



THINKING TODAY FOR A PROSPEROUS FUTURE

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2024 | ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

JIANGXI COPPER COMPANY LIMITED

One Heart One Creation One Progress

About this Report

This report is the eighth *Environmental, Social and Governance (ESG) Report* issued by Jiangxi Copper Co., Ltd.(also referred to as "Jiangxi Copper", "our company" or "us").This report sets out Jiangxi Copper's key ESG practices and outcomes during 2024 in order to respond to stakeholders' expectations and concerns and contribute to the company's continued improvement in sustainable performance.

Reporting Entity

Unless otherwise specified, the scope of this report covers Jiangxi Copper Co., Ltd. and its subsidiaries.

Time Range

This report is an annual report. The time range covers January 1, 2024 to December 31, 2023, consistent with the financial year. Some information relates to prior years or is forward-looking in description.

Compilation Basis

This report is prepared in accordance with *Self-regulatory Guidelines for Listed Companies No.14 - Sustainability Report (Trial)* and *Self-regulatory Guidelines for Listed Companies No.4 - Compilation of Sustainable Development Reports* published by Shanghai Stock Exchange (SSE), *Appendix C1 Corporate Governance Code and Appendix C2 Environmental, Social and Governance Reporting Code of the Main Board Listing Rules* published by The Stock Exchange of Hong Kong Limited (HKEX), *Sustainable Development Goals(SDGs)*, *Sustainable Development Reporting Standard (2021 edition)* published by Global Reporting Initiative (GRI), *IFRS Sustainability Disclosure Standard* published by International Sustainability Standards Board (ISSB) and other domestic and foreign ESG report standards.

Data Description

The data involved in this report comes from the company's internal statistical ledger, company documents, audit reports and other materials, some of the economic data comes from the company's annual report. Unless otherwise specified, all currency units used in this report are RMB(yuan).

Report Release

The report is available in electronic form on the web and is available on the official websites of the SSE, the HKEX and Jiangxi Copper Co., Ltd. (www.jxcc.com).

Report Language

This report is released in Chinese and English. In case of any discrepancy, the Chinese version shall prevail.

Contact Information

Jiangxi Copper values the views of stakeholders and welcomes readers to contact our company through the following contact information. Your comments will help the company further refine this report and improve its overall performance in implementing the concept of sustainable development.

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Chairman’s Message



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The year of 2024 is a critical year for us to thoroughly study and implement the guiding principles as laid out in the Third Plenary Session of the 20th CPC Central Committee and General Secretary Xi Jinping's important speech during his inspection tour of Jiangxi, and it is also the 75th anniversary of the founding of New China. Faced with the accelerated evolution of changes rarely seen in a century, the Chinese economy, with its strong resilience, has injected more stability into the world. Bearing in mind patriotism and its historical responsibilities, Jiangxi Copper has always been committed to unswervingly advancing courageously in the direction guided by General Secretary Xi Jinping. This year, Jiangxi Copper has kept the instructions in mind, been grateful and forged ahead amidst all the ups and downs, and as a result, the modern, beautiful new Jiangxi Copper is full of vitality; this year, we have gathered strength to set out again, continued to struggle, and harnessed the momentum, making our dream of becoming a world-class enterprise shine brightly.

”

Deepen Reform Missions to Demonstrate New Prospects

This year, we have implemented a package of reform measures to fully implement the new development concept, deeply integrated ourselves into the new development pattern, and vigorously promoted the spirit of reform and innovation of the times. We have vigorously promoted the "1+3" systematic reform, successfully completed the innovation and value creation actions, and achieved remarkable results in Deepening and Improvement Actions and the "Double Hundreds Initiative". We have won the title of "Benchmark Enterprise under the Double Hundreds Initiative" for two consecutive years. By optimizing organizational structure, strengthening internal control and improving the incentive mechanism, we have effectively stimulated endogenous driving force and enhanced market competitiveness. In addition, we proactively responded to Jiangxi Province's "1269" Action Plan, worked on improving our modern industrial system with our own unique advantages, and demonstrated the new prospects and corporate vitality brought about by deepening reforms.

Forging Ahead to Foster New Advantages

This year, we have embraced the new round of waves of scientific and technological revolution, vigorously developed new quality productive forces, accelerated the transformation of the industry towards being high-end, intelligent and green, to continuously consolidate our leading edge in the industry. We have further deepened our cooperation with leading enterprises through the expansion and upgrading of the "6+12" high-level collaborative innovation platform, and worked with universities such as Nanchang University to foster a new dimension of university-enterprise cooperation and industry-education integration. We have accelerated the research and development of key core technologies, and generated a number of landmark achievements and industrial transformation projects. The successful practice of Guixi Smelter "Copper Smelting Intelligent Manufacturing Demonstration Plant" has become an industry model. Innovative scenarios such as 5G mining and smart mineral processing have blossomed in many fronts, indicating that the foundation of "Digital Jiangxi Copper" has become more solid. This year, we were approved for one major national science and technology project and three provincial-level projects, and won two second prizes in the National Science and Technology Progress Award, four second prizes in the Provincial-level Science and Technology Progress Award, and 10 industry science and technology awards. We took the lead in formulating, revising and establishing 20 national and industry standards, continuously enhancing our say in the industry, and demonstrating Jiangxi Copper's unlimited potential and development momentum in the new era.

Advancing Green Development to Protect Green Waters and Lush Mountains

This year, Jiangxi Copper has continued to deepen the construction of ecological conservation, proactively implemented a number of new materials, new energy and greening projects in the process of green transformation, and continuously fostered new areas of economic growth. We always regard environmental protection as the lifeline of corporate development and are committed to building green mines and factories to achieve harmonious coexistence of resource development and environmental protection. At present, we have 3 national-level green mines and 15 national-level green factories, and have ensured all of our smelting and processing units in production (except those recently put into production) are green. In addition, our waste-free and intelligent development initiative has been steadily advanced. At the same time, Yongping Copper Mine has been selected as a national typical case of ecological restoration in productive mines, becoming a model for ecological conservation construction in the industry, attracting all parties to come and exchange and learn from each other. At the same time, on the one hand, we have proactively promoted energy-saving and emission-reduction technologies and strive to reduce carbon emissions; on the other hand, we have accelerated our strategic layout in new materials and new energy fields and steadily moved into high-end fields. We take a two-pronged approach of optimizing structure and improving quality and efficiency to contribute Jiangxi Copper's strength to achieving China's goals of achieving carbon peaking and carbon neutrality.

Consolidating Our Foundation by Putting People First

This year, we have insisted on creating and sharing development results together with employees, continuously optimizing their quality of life, to build a firmer foundation for development, thus having significantly enhanced their sense of professional honor and gain. We have pushed forward the Three-Year Action Plan to Address the Root Causes and Challenges Threatening Work Safety in a deep-going manner, and elevated the reform of industrial workers in the new era to a new level. The talent development mechanisms featuring development of "four batches" of cadres, tempering of technical and R&D personnel through training and practice, "assigning outstanding young employees to higher - level positions for temporary experience and sending them to lower-level positions for on-the-ground practice, development of Party affairs talents, "four-copper" financial talents, copper merchant talents, and copper shield talents have activated the vitality and creativity within Jiangxi Copper. At the same time, we have adopted a series of comprehensive measures to effectively enhance employees' sense of gain, happiness and security.

Specifically, we have deepened the medical mutual aid security system, improved the quality of medical and recuperation services, and carried out heartwarming actions to improve their working environment and quality of life, making everyone's work and life more convenient and their spiritual and cultural life more colorful. We strive to provide all types of talents with full support and a platform for growth and struggle, demonstrating our solid foundation and development potential under the people-oriented concept.

Extending Our Global Presence to Be a Top Player in the International Stage

This year, we have continued to expanded our access to sources of international resources, thus effectively improving the resilience and security of the industrial chain and supply chain. We have proactively responded to China's "Belt and Road" initiative, deeply participated in the reshaping of the global industrial chain, and further expanded our overseas resource development system. Our senior management led the "going global" strategy by carrying out multiple rounds of mutual visits and exchanges with the mining sectors of many countries, establishing a number of new offices overseas, thus forming a strategic support network covering the globe. Our Tungsten Mine in Kazakhstan, the world's largest single-unit tungsten mining project, was completed and put into production, and a large number of overseas projects were accelerated.

Looking to the Future and Forging Ahead while Pursuing Our Dreams

2025 is the year when the "14th Five-Year" Plan comes to an end and also the year when the "15th Five-Year" Plan is kicked off. Let us bear in mind our patriotism, ambitions and sense of responsibilities, stay unwavering in increasing our sources of resources, strengthen our industrial entities, develop new quality productive forces according to local conditions, and accelerate the construction of a modern industrial system. We must be brave enough to be the practitioner of serve the overall interests, the pioneer who follow the trends, the tough fighter who seeks innovations and drives changes, the demonstrator of green transformation, and be practitioner of high-quality development. We must lay a solid foundation for building a world-class enterprise with global core competitiveness with fresh substantial results and achievements, and make our new and greater contributions to writing the Jiangxi chapter of Chinese path to modernization!

Jiangxi Copper Co., Ltd. Chairman

Zheng Gaoqing

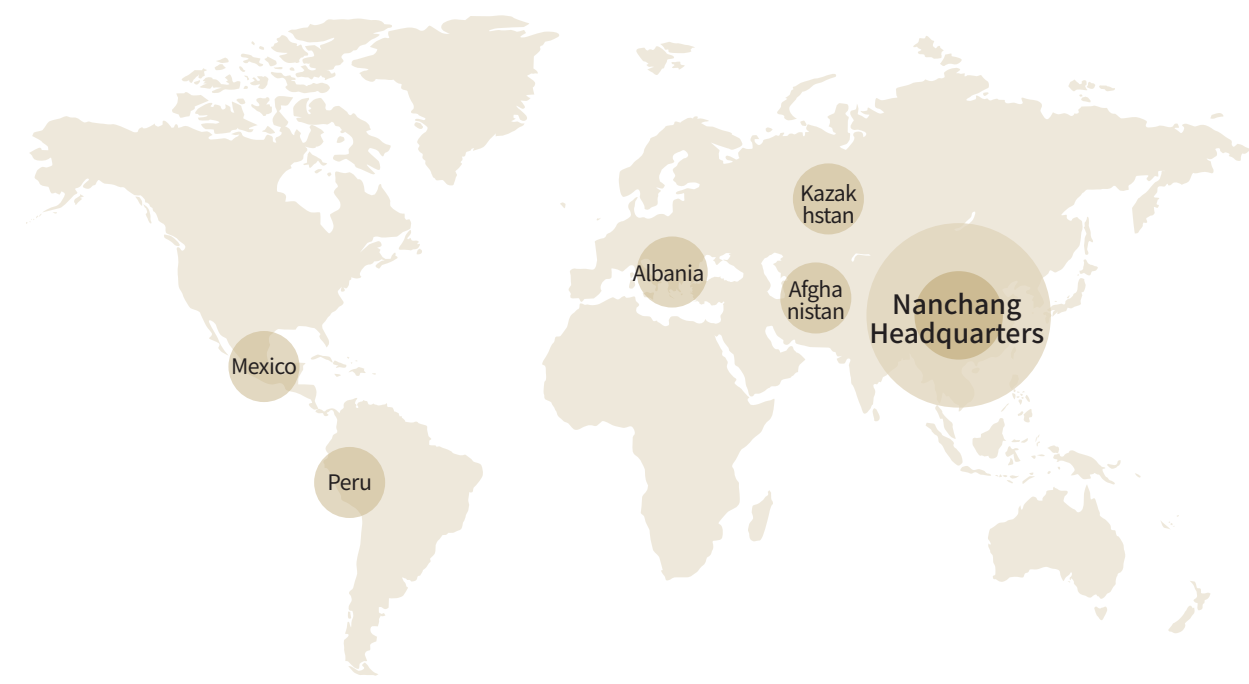
About Jiangxi Copper

Company Profile

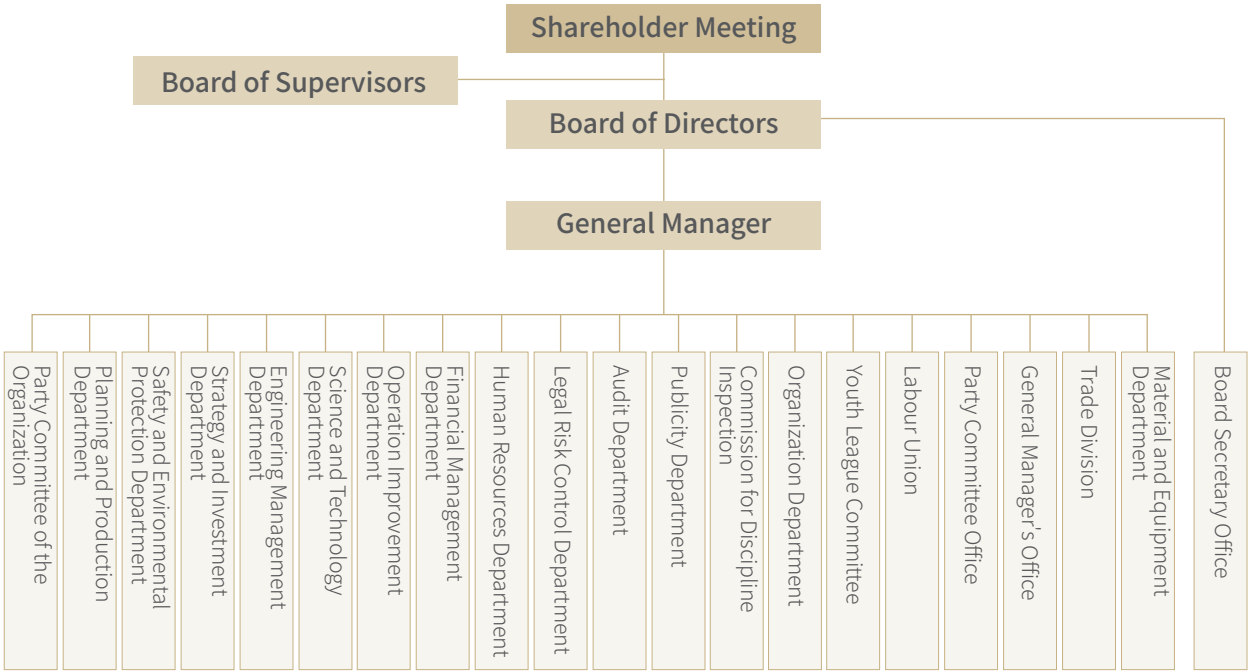
Jiangxi Copper Co., Ltd. was established in 1997, and was listed in Hong Kong and London simultaneously in the same year, becoming the first overseas listed mining stock in China. In 2002, our company was listed on the Shanghai Stock Exchange. Our company has a holding listed company—Shandong Humon Smelting Co., Ltd., five operating smelters¹, five fully-owned operating mines² and ten modern copper processing plants³. With the mission of pursuing the harmonious coexistence of man and nature, our company has established an environmental protection control system covering the whole process of the copper industry chain, realised high efficiency and energy saving in production, and actively promoted the combination of greenness and intelligence to create intelligent mines and intelligent smelting. In 2024, our company ranked 29th in the "Fortune China 500".

As the largest comprehensive copper production enterprise in China, our company has been engaged in various business covering mining, smelting and processing of copper and gold; extraction and processing of dissipated metal; sulfide industry, finance, trade and other fields. Our company has a complete industrial chain integrating exploration, mining, mineral dressing, smelting and processing. Among them, our company's copper smelting and processing capacity ranks in the tops in China, and our holding subsidiary, Shandong Humon Smelting Co., Ltd. is one of the top ten gold smelting enterprises in China. At the same time, our company is actively making strategic deployments overseas, gradually improving our international development map.

Our company's products include cathode copper, gold, silver, sulfuric acid, copper rod, copper tube, copper foil, selenium, tellurium, rhenium, bismuth, etc., more than 50 varieties, of which "Guixi Smelter Brand", "Jiangxi Copper Brand" and "HUMON-D brand" cathode copper are registered products at the London Metal Exchange, and "Jiangxi Copper Brand" gold and silver are registered products at the London Bullion Market Association.



Organizational Structure



Business Philosophy

Adhering to the concept of building "Powerful Jiangxi Copper, Scientific Innovation Jiangxi Copper, Green Jiangxi Copper, Digital Jiangxi Copper, International Jiangxi Copper and Vigorous Jiangxi Copper", our company pursues a development strategy "copper-oriented, transformation and upgrading, diversified development, dual-cycle mutual promotion". Our company always upholds the new development concept of innovation, coordination, green, openness, and sharing, focuses on the main business, high-quality development and adheres to innovation-led, talent-driven principle, thus striving to keep a steady and sound path of innovation-driven, investment-driven, reform-driven, integrated and interactive, open-driven, and green linkage development. Through the joint efforts of all Jiangxi Copper employees, our company will comprehensively build a world-class enterprise with global core competitiveness and become a new modernized Jiangxi Copper after a period of continuous struggle.

- Company Mission:** Integrate global resources to create high-quality life
- Company Vision:** Become a widely respected world-class enterprise with global core competitiveness
- Core Idea:** Think about today with the future
- Core Values:** Responsibility, focus, innovation, inclusiveness and pragmatism

1 Guixi Smelter, Jiangxi Copper (Qingyuan) Co., Ltd., Jiangxi Copper Hongyuan Copper Co., Ltd., Jiangxi Copper Guoxing (Yantai) Copper Co., Ltd. and Zhejiang Jiangxi Copper Fuye Heding Copper Co., Ltd. Of which, Guixi Smelter is the largest and technologically leading crude and refined copper smelter in China.

2 Dexing Copper Mine (including Copper Plant Mine, Fujiawu Mine, Zhushahong Mine), Yongping Copper Mine, Chengmenshan Copper Mine (including Jinjiwo Silver-Copper Mine), Wushan Copper Mine and Yinshan Mining Company.

3 Jiangxi Copper Copper Material Co., Ltd., Guangzhou Jiangxi Copper Copper Material Co., Ltd., Jiangxi Copper Foil Technology Co., Ltd., Jiangxi Copper-Taiyi Special Electrical Materials Co., Ltd., Jiangxi Copper Longchang Precision Copper Tube Co., Ltd., Jiangxi Copper Corporation Copper Material Co., Ltd., Jiangxi Copper North China (Tianjin) Copper Co., Ltd., TJDWF Copper Material Co., Ltd., Jiangxi Copper East China Copper Material Co., Ltd. and Jiangxi Copper East China Electric New Material Technology Co., Ltd..

Industry Participation

Industry Development

The Nonferrous Metals Society of China (NFSOC), China Nonferrous Metals Construction Association, China Nonferrous Metals Industry Association (CNIA), China Investment Council, China Overseas Development Association for Industries, Jiangxi Copper Industry Association, Jiangxi Mining Federation, Jiangxi Foreign Investment and Cooperation Association, Jiangxi International Chamber of Commerce

Corporate Governance

China Association for Public Companies (CAPCO), Jiangxi Association for Public Companies, Jiangxi Enterprise Confederation, Jiangxi Bar Association, Economic Crime Investigation and Prevention Association, Jiangxi Archives Society, Jiangxi Bidding Association

Production Quality

The London Bullion Market Association (LBMA), China Association for Quality (CAQ), China Emergency Management Association, Jiangxi Geological Society, Jiangxi Standards Association, Jiangxi Metrology Association, Jiangxi Association for Quality, Jiangxi Brand Promotion Association, Jiangxi Science and Technology Equipment Business Chamber

Green and Environmental Protection

Ecological Civilization Research and Promotion Association (CECRPA), Zhongguancun Green Mining Industry Alliance (ZGMIA), Jiangxi Environmental Science Association

Talent Development

Education Standards Professional Committee of the Chinese Society for Educational Development Strategy (CSEDS), Jiangxi Human Resources Development Association

Annual Honors⁴

At the Level of the Company and Subordinate Units

Excellent Organization Award for Nonferrous Metals Standardization Work
Honorary Title of "Provincial Advanced Unit in the Mid-term of the Eighth Five-Year Law Popularization Campaign"

Jiangxi Copper



⁴ The annual honors are based on an incomplete statistics of awards won in 2024.

Jiangxi Province's "First Provincial Advanced Cultural Construction Unit"
Selected for the List of Innovative Application Enterprises of "Intelligent Mine Data Fusion and Sharing Specifications"

Dexing Copper Mine

Selected as a Pilot Enterprise for Digital Transformation of State-owned Enterprises
Selected for the List of Provincial "Digital Navigator" Enterprises in 2024

Guixi Smelter

Selected as One of the First Batch of Typical Cases of Ecological Restoration of Productive Mines in China

Yongping Copper Mine

Selected as one of the top 50 enterprises in the fifth comprehensive ranking of China's electronic materials industry and the top 10 enterprises in the fifth electronic copper foil materials ranking of China's electronic materials industry

Jiangxi Copper Foil Technology Co., Ltd.

At the Level of Projects and Technologies

National Awards

Won the second prize of the National Science and Technology Progress Award for 2023

"New-Generation Green and Efficient Rare and Precious Metal Refining Technology and Applications thereof" of Shandong Humon Smelting Co., Ltd.



Provincial Awards

Won the second prize of Jiangxi Province Science and Technology Progress Award for 2023

Leading the "Complete Key Technologies and Equipment for Efficient Recovery of Low-Grade Copper Ore Resources"



Won the second prize of Guangdong Province Science and Technology Progress Award for 2023

"Key Technologies for High-Value Utilization of Valuable Elements in Dust Sludge in Copper-based Solid Waste" of Jiangxi Copper (Qing Yuan) Company Limited



Industry/Association-Level Awards

<div>Won the first prize of Science and Technology Award of the China Nonferrous Metals Industry for 2023</div> <div>Leading the Research and Application of Key Technologies for Accurate Separation of Copper, Molybdenum and Sulfide Ores Based on Mineral Genetic Properties</div>	
<div>Won the first prize of Science and Technology Award of the China Non-ferrous Metal Industry for 2023</div> <div>Leading the "Key Technologies and Applications of Intelligent Electrolysis of High-purity Cathode Copper"</div>	
<div>Won the first prize of Science and Technology Award of China Non-ferrous Metal Industry for 2023</div> <div>"R&D and Industrialization of the Technology for Recycling Non-Ferrous Smelting Wastewater" of Shandong Humon Smelting Co., Ltd.</div>	
<div>Won the first prize of Science and Technology Award of China Non-ferrous Metal Industry for 2023</div> <div>"Key Technologies for Efficient Utilization of Valuable Elements in the Copper Recycling Process and Applications thereof" of Jiangxi Copper (Qing Yuan) Company Limited</div>	
<div>Won the second prize of China Nonferrous Metals Industry Science and Technology Award for 2023</div> <div>"Research and Application of the Downward-to-Upward Segmentation-based Mine-and-Fill Mining Technology for Horizontally Interlaced Broken Ore Bodies" of Wushan Copper Mine</div>	
<div>Won the second prize of Science and Technology Award of China Nonferrous Metals Industry for 2023</div> <div>"Key Technologies and Applications thereof for Whole-Process Clean Separation of High-Sulfur Copper Ore" of Wushan Copper Mine</div>	

<div>Won the first prize of the Science and Technology Progress Award of China Circular Economy Association</div> <div>"New Technology for Efficient Cascade Recovery of Strategic Metals from Secondary Antimony-Containing Materials through the Coordinated Treatment of Complex Lead Anode Mud" Shandong Humon Smelting Co., Ltd.</div>	
<div>Won the first prize of Science and Technology Award of China Gold Association</div> <div>"Key Technologies and Applications thereof for Highly Layered Cascade Mining of Steeply Inclined, Broken, Thin Ore Bodies" of Shandong Humon Smelting Co., Ltd.</div>	
<div>Won the first prize of Science and Technology Award of China Gold Association</div> <div>"Research and Application of High-Flow Stable Paste Filling Technology for Unstable-Gradation Full Tailings" of Wushan Copper Mine</div>	
<div>Won the third prize Science and Technology Award of China Gold Association</div> <div>"Technical Specification for Co-treatment of Cyanide Slag in Blowing Furnace for Copper Smelting" of Shandong Humon Smelting Co., Ltd.</div>	
<div>Won the first prize of the Excellence Award for Technical Standard by National Nonferrous Metals Standardization Committee</div> <div>Leading formulation of national standard <i>Greenhouse Gas Emission Accounting and Reporting Requirements Series Standards - Copper, Lead, Zinc Smelting and Industrial Silicon Production Enterprises (4 items)</i></div>	
<div>Selected for the 2023 National Industrial Internet Pilot Demonstration List</div> <div>"Industrial Internet + Edge Computing Empowers Smart Mine Construction" Project of Dexing Copper Mine</div>	
<div>Selected for the List of Typical Cases of IoT Empowering Industry Development in 2024</div> <div>Case on "Application of Internet of Things in Copper Smelting Smart Factory" of Guixi Smelter</div>	
<div>Won the first prize of the 2024 National Management Innovation Conference</div> <div>"Building a World-Class Copper Smelter from Scale to Strength" Project of Guixi Smelter</div>	

Annual Key Performance

Economy and Governance

Operating income	Total profit
520.928 billion RMB	9.109 billion RMB
Total assets at the end	Total amount of dividends
193.128 billion RMB	2.417 billion RMB
Proportion of female director	Investment in scientific and technological research and development
25 %	6.013 billion RMB

Environmental

Total greenhouse gas emissions	with a decrease of	Greenhouse gas emission intensity
2.1997 million tons of carbon dioxide equivalent	3.85 %	0.042 tCO2/10,000 RMB operating income
Comprehensive energy consumption	with a decrease of	Comprehensive energy consumption intensity
554,985.46 tons of standard coal	2.61 %	0.011 tce/10,000 RMB operating income
Total area of ecological restoration	with an increase of	Total investment in environmental protection
108.21 hectares	7.13 %	404 million RMB

Renewable energy usage	accounting for
102.057 million kilowatt-hours	2.26 %
Total water intensity	Reuse rate of industrial water
20.39 tons/10,000 RMB operating income	96.61 %
Total wastewater discharge	with a decrease of
47.8328 million tons	9.94 %
Tailings recycling rate	with an increase of
40.26 %	7.18 %

Social

Total number of employees	Local employee hiring rate	Proportion of female employees
26,411 people	64.74 %	15.01 %
Signing rate of labor contract	Social security coverage rate	Occupational health examination rate of employees
100 %	100 %	100 %
Customer satisfaction rate	Product complaint resolution rate	Product passing rate
100 %	100 %	100 %
Total investment in production safety	Rural revitalization assistance inputs	Charitable donations
877 million RMB	6.05 million RMB	1.80 million RMB



Pursuing Sustainable Development by Creating a Prosperous Ecology

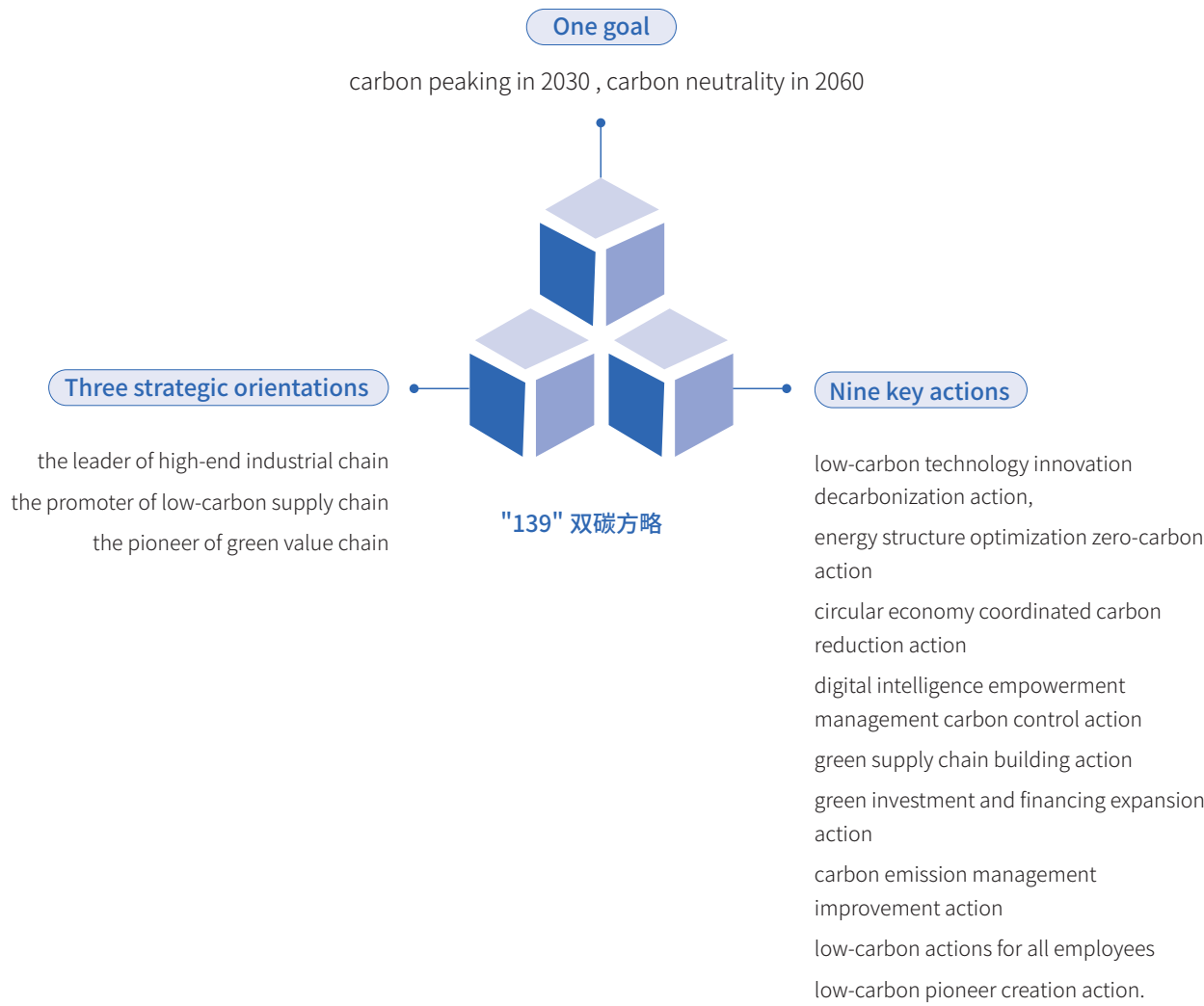
We have proactively responded to the United Nations Sustainable Development Goals (SDGs) and China's strategic planning on carbon peaking and carbon neutrality, integrated the goals of achieving carbon peaking and carbon neutrality into our overall development strategy, demonstrating our due responsibilities and commitments. We continued to give more play to the guiding role of the strategic planning during the "14th Five-Year Plan" period, firmly implemented the concept of sustainable development, and strove to achieve harmonious progress between ecological environment protection and economic development. It not only demonstrates our commitment to environmental protection, but also highlights our determination to promote high-quality economic development. While proactively responding to the challenges brought by climate change, we have also laid a solid foundation for our long-term and stable development.

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Pursuing Sustainable Development by Creating a Prosperous Ecology

ESG Strategy

We followed the *Strategic Planning for Carbon Peaking and Carbon Neutrality of Jiangxi Copper Group* formulated by our controlling shareholder Jiangxi Copper Group, adhered to the four basic principles of conservation first, innovation-driven, coordinated development, and safe carbon reduction and further promoted clean, low-carbon and green transformation with production and operation, energy structure, product supply as the core. By accelerating the transformation of mindsets, production mode, energy structure, and industrial structure in an all-round way, we continued to improve the efficiency of energy and resource utilization, explored new paths to energy conservation and carbon reduction for non-ferrous metal enterprises, and accelerated the construction of global-leading green and intelligent industrial chain, supply chain, and value chain to provide sustainable and strong strategic support for accelerating the creation of a world first-class enterprise with global core competitiveness.



ESG Goals and Responses

Dimensions	Response to SDGs	Company Strategy and Goals
Environmental	<div><div>6 CLEAN WATER AND SANITATION</div><div>7 AFFORDABLE AND CLEAN ENERGY</div><div>13 CLIMATE ACTION</div><div>14 LIFE BELOW WATER</div><div>15 LIFE ON LAND</div></div>	<ul style="list-style-type: none">•Promote low-carbon technology and process throughout the industrial chain, make in-depth plans for "carbon peaking and carbon neutrality" actions, comprehensively build green factories and green mines, and promote industrial transformation and upgrading of our company.•By 2025, all mines and factories will meet the construction standards of national green mines and green factories, and more than two national mine parks will be established.•Maximize the use and recycling of water resources, minimize the external water sources required for operation, and minimize the discharge of sewage and wastewater to the external environment.•Accelerate zero-carbon energy substitution actions, fully realize green and low-carbon circular development, and reach international leading levels in energy utilization efficiency and carbon emission intensity before 2060.•The coverage rate of plants in the area of the ecological restoration project (excluding the hardened area) will reach 90% or above, the plant diversity will exceed seven or more species.
Social	<div><div>1 NO POVERTY</div><div>2 ZERO HUNGER</div><div>3 GOOD HEALTH AND WELL-BEING</div><div>4 QUALITY EDUCATION</div><div>5 GENDER EQUALITY</div><div>8 DECENT WORK AND ECONOMIC GROWTH</div><div>10 REDUCED INEQUALITIES</div><div>11 SUSTAINABLE CITIES AND COMMUNITIES</div><div>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</div></div>	<ul style="list-style-type: none">•Take up social responsibilities with practical actions, and continue to carry out projects such as rural revitalization, emergency rescue and disaster relief, and education donations.•The labor contract signing rate, social insurance coverage rate and employee occupational health examination rate are kept at 100%.•The overall complaint resolution rate of the product is kept at 100%.•Respect employees' religious beliefs, cultural background, gender, ethnicity, nationality, etc., treat overseas workers equally, and resist all forms of forced and compulsory labor.•Pay attention to the internal training of talents and the overall development of employees, create a variety of channels such as education and training, skill competitions, and job training, build a good platform for employee career development, and guide and encourage all kinds of talents to grow up and achieve great success based on their posts.•Pay attention to the development of the community where the project is located, and actively carry out communication with stakeholders.
Governance	<div><div>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</div><div>16 PEACE AND JUSTICE, STRONG INSTITUTIONS</div><div>17 PARTNERSHIPS FOR THE GOALS</div></div>	<ul style="list-style-type: none">•Continue to improve the ESG governance structure, increase ESG information disclosure, and improve ESG governance capabilities.•Include ESG factors as an important part of risk management and internal control.•Maintain an annual growth rate of 15% in R&D investment.•Make efforts to promote the integrated development of the digital economy and the real economy, and accelerate the construction of "Digital Jiangxi Copper".

ESG Structure

We formulated the *Working Rules of the ESG Development Committee under the Board of Directors of Jiangxi Copper Co., Ltd.* As the supreme body responsible for the ESG work, the Board of Directors exercises overall supervises over ESG-related matters, actively leads and advances the capacity building on ESG, thereby promoting our overall value enhancement and sustainable development.

At the board level, as a special committee under the board of directors, the ESG Development Committee is mainly responsible for formulating ESG strategic goals, identifying ESG-related risks, management and policy formulation, ESG performance management and assessment, and supervising and managing ESG implementation. The ESG Development Committee is chaired by the chairman of our company, responsible for presiding over the work of the committee.

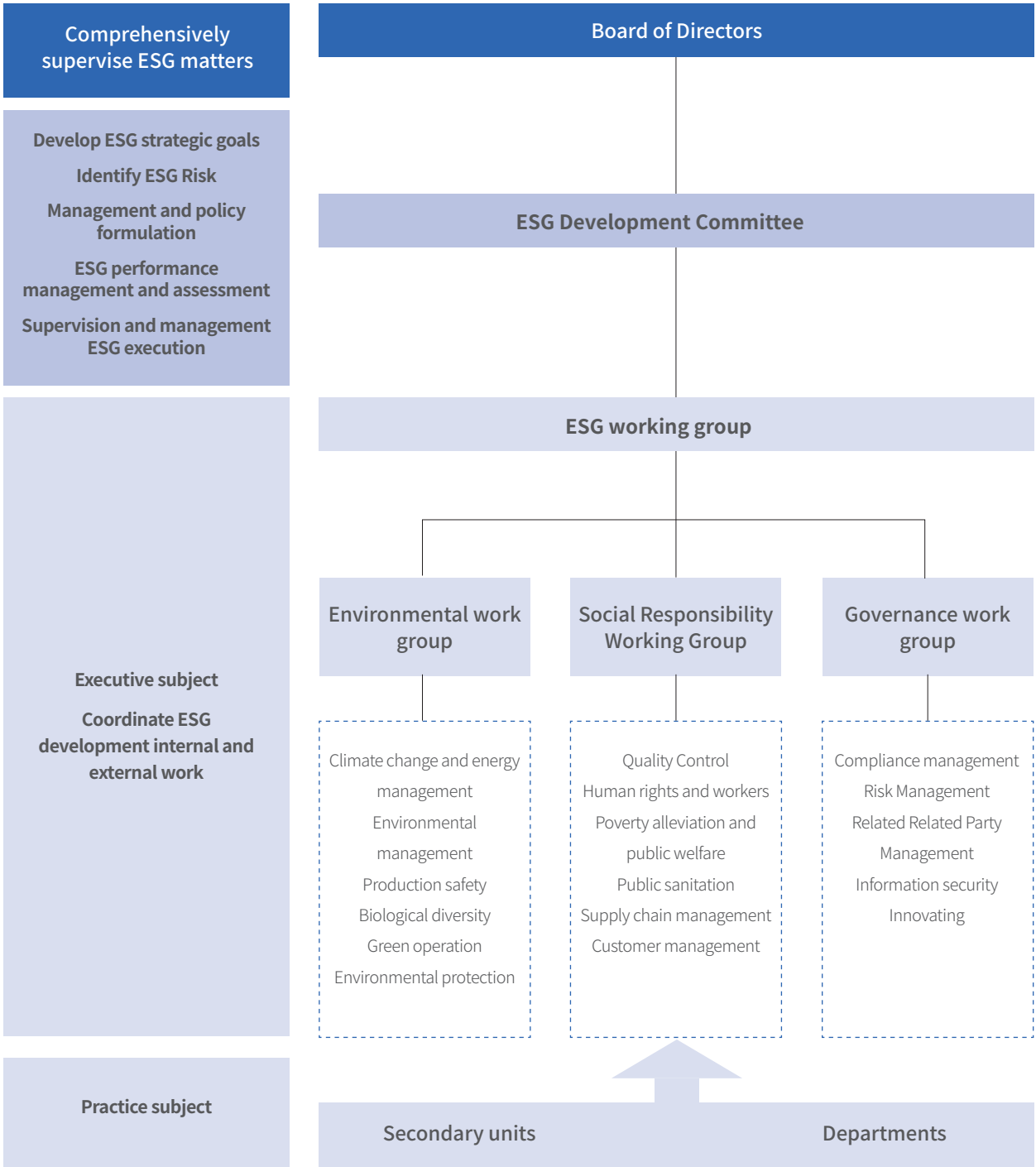
The responsibilities of the ESG Development Committee include:

- Formulate and review the company's short-, medium-, and long-term ESG-related vision, goals, and strategic plans, and provide recommendations and reports to the Board of Directors.
- Review and propose, when necessary, the company's internal ESG-related development policies and management guidelines, including but not limited to climate change, environment, health and safety, human rights, community, and governance, etc.
- Review and propose, when necessary, the company's ESG-related targets/key performance indicators (KPIs), and monitor the progress of these targets/indicators at least annually.
- Formulate the company's ESG-related management systems, including personnel appointment, responsibilities and authorities, and rules of procedure, etc.
- Review the company's ESG annual report.
- Supervise and inspect the relevant work of the ESG working group.
- Formulate and organize the company's working meetings related to promoting ESG development.
- Regularly report to the Board on the company's ESG-related work, promptly feedback the progress of the company's ESG development, issues of concern from internal and external stakeholders, and provide suggestions for enhancing the company's ESG management.
- Collaborate with the Risk Management Committee to incorporate identified ESG risks into the company's overall risk assessment process and management system, to identify and assess new risks and significant changes arising from internal and external factors as early as possible.
- Responsible for other tasks proposed by the Board to the ESG Development Committee.

At the management level, we has established an ESG working group responsible for coordinating internal and external ESG work. The ESG working group has established environmental working group, social responsibility working group, and governance working group, which are responsible for the practice and development of related issues.

In the operational level, each functional department of the company and its subordinate secondary units participate in the corresponding group work according to their own departmental functions, implementing ESG-related work across departments.

In 2024, our company organized the third meeting of the ESG Development Committee of the ninth Board of Directors, at which the *Environmental, Social and Governance Report of Jiangxi Copper Co., Ltd in 2023* was reviewed and approved, and submitted to the 29th meeting of the ninth Board of Directors for deliberation.



ESG Risk Management

We have incorporated ESG factors into the risk management mechanism and process. Based on the construction of an integrated risk control system, we have clarified the risk control responsibilities of the three lines of defense. Specifically, the specific risk control responsibilities for ESG factors are assumed by corresponding functional departments and the relevant responsibilities are further detailed in our *Internal Control Manual*.

Environmental:

Enhancing environmental protection and promoting energy conservation and emission reduction, incorporating environmental protection into risk control activities.

Social:

Promoting employment and safeguard employee rights by integrating the protection of employee rights, social responsibility, and obligations into risk control activities.

Corporate governance:

Incorporating financial reporting management, fund activity management, research and development management, production inventory management, and other aspects of company's operational activities into risk control matters.

Furthermore, in the process of conducting equity investments, we comprehensively consider various investment risks during the pre-investment and in-investment project justification, which also includes ESG risks. In post-investment management, project companies strictly adhere to the ESG-related laws and regulations of the project location, comply with environmental protection requirements, and maintain good relations with the local community. They reduce ESG risks through measures such as donations, educational assistance, medical aid, infrastructure construction, and providing employment opportunities for local residents.

Communication with Stakeholders

Our company attaches great importance to communication with internal and external stakeholders, formulates communication channels and mechanisms for all stakeholders, and adopts positive measures to make response through regular and irregular communication in the daily operation process to ensure that the demands and expectations of all stakeholders in environmental, social and governance aspects are fully understood and implemented.

Stakeholder Demands and Response Mechanism			
Stakeholder		Demands and Expectations	How to Communicate and Respond
Internal Interested Parties	Board of Directors/ Board of Supervisors /Senior Management Members	Strategic Response Modern Corporate Governance Risk and Compliance Management Brand and Image Management	Actively respond to national strategies such as carbon peaking and carbon neutrality, high-quality development, green transformation, digital transformation, and rural revitalization; Develop a complete top-level design and management system to continuously promote corporate reform; Regularly hold formal or extraordinary meetings of the Board of Directors, Board of Supervisors, etc.; Establish and improve the risk control and internal control system; Public opinions monitoring and public responses;

Stakeholder		Demands and Expectations	How to Communicate and Respond
Internal Interested Parties	Employee	Equal Employment Rights and Interests Guarantee and Remuneration and Performance Occupational Safety and Health Training and Promotion Communication Mechanisms and Channels	Fair and complete employee management system and system construction; Carry out safety patrols from time to time to ensure the production and work safety of employees; Carry out physical examinations for employees, pay visits to and offer assistance to them to strengthen employee care; Complete employee training and promotion mechanism; Organize and carry out diversified training programs and activities such as cultural and sports activities, skills training, ideological and political training for employees; Convene meetings of the workers' congress and improve the construction of the trade union and the communication mechanism;
External Interested Parties	Clients ⁵	Product Quality and Safety Communication Mechanisms and Channels	Establish a complete product quality management mechanism and after-sales management mechanism; Conduct regular client satisfaction surveys; Strengthen client relationship management and maintenance, establish complaint communication channels, and maintain regular communication;
	External Investors/ Shareholders	Information Disclosure Modern Corporate Governance Investor Relations Management Risk and Compliance Management Performance Growth	High-quality, transparent information disclosure (annual report, ESG report, etc.); Develop a complete top-level design and management system to continuously promote corporate reform; Regularly hold performance briefings and general meeting of stockholders; Establish and improve the risk control and internal control system; Establish a smooth, complete and multi-channel investor communication mechanism; Information disclosure on official websites, official WeChat account and other platforms;
	Industry Association	Industry Contribution and Participation Green Transformation and Climate Change Technological Innovation and Digital Transformation Strategic Response	Actively organize/participate in industry summits, exchanges and seminars, etc.; Participate in the formulation of national/local/industry related standards; Carry out industry-university-research-application project cooperation and strengthen inter-industry cooperation and industrial chain assistance; Pay close attention to industry transformation and green development, and promote energy conservation, emission reduction and pollution and waste management; Strengthen technology research and development and innovation, and promote digitization and intellectualization; Actively respond to national strategies such as carbon peaking and carbon neutrality, high-quality development, green transformation, digital transformation, and rural revitalization;
	Partner ⁶	Supply Chain Management Industry Contribution and Participation Green Transformation and Climate Change Technological Innovation and Digital Transformation Modern Corporate Governance Information Disclosure	Build a complete supplier screening, admission, review, and exit mechanism to strengthen supply chain management; Carry out cooperation and exchanges with suppliers and launch relevant training programs Actively organize/participate in industry summits, exchanges and seminars, etc.; Carry out industry-university-research-application project cooperation and strengthen inter-industry cooperation and industrial chain assistance; Pay close attention to industry transformation and green development, and promote energy conservation, emission reduction and pollution and waste management; Strengthen technology research and development and innovation, and promote digitization and intellectualization; Develop a complete top-level design and management system to continuously promote corporate reform; High-quality, transparent information disclosure (annual report, ESG report, etc.); Information disclosure on official websites, official WeChat account and other platforms;

⁵ Refers to the downstream clients who purchase products.
⁶ Refers to the interested parties who have signed strategic cooperation agreements with we, upstream suppliers whose products are purchased by we, third-party service consulting institutions, universities and scientific research institutions, etc.

External Interested Parties	Public Service Organizations, Community Organizations	Community Relations Rural Revitalization Public Charity Pollution Prevention and Control Ecological Governance Product Quality and Safety Information Disclosure Green Campaign	Pay close attention to the maintenance of relationships with communities around domestic and overseas projects/constructions, maintain communication and exchanges, and actively participate in the development of the communities' social and economic environment; Assist rural revitalization through multiple channels such as industrial project assistance, cash donations, consumption assistance, technical and educational support, infrastructure construction, and living environment improvement; Pay close attention to vulnerable groups and public welfare and charity, organize various social activities including volunteer activities, and stay engaged with the communities and grassroots; Pay close attention to industry transformation and green development, and promote energy conservation, emission reduction and pollution and waste management; Establish a complete product quality management mechanism and after-sales management mechanism; High-quality, transparent information disclosure (annual report, ESG report, etc.); Information disclosure on official websites, official WeChat account and other platforms; Organize and carry out various environmental protection publicity and education themed activities and mine lot opening days;
	Media	Industry Contribution and Participation Pollution Prevention and Control Ecological Governance Information Disclosure Green Campaign	Actively organize/participate in industry summits, exchanges and seminars, etc.; Pay close attention to industry transformation and green development, and promote energy conservation, emission reduction and pollution and waste management; High-quality, transparent information disclosure (annual report, ESG report, etc.); Information disclosure on official websites, official WeChat account and other platforms; Organize and carry out various environmental protection publicity and education themed activities; Public opinions monitoring and public responses;
	Government and regulatory authorities	Strategic Response Modern Corporate Governance Risk and Compliance Management Business Ethics Green Transformation and Climate Change Information Disclosure	Actively respond to national strategies such as carbon peaking and carbon neutrality, high-quality development, green transformation, digital transformation, and rural revitalization; Develop a complete top-level design and management system to continuously promote corporate reform; Establish and improve the risk control and internal control system; Pay close attention to industry transformation and green development, and promote energy conservation, emission reduction and pollution and waste management; High-quality, transparent information disclosure (annual report, ESG report, etc.); Information disclosure on official websites, official WeChat account and other platforms.

Dual Materiality Analysis

The Jiangxi Copper Board of Directors and ESG Development Committee continued to pay attention to the dynamics and trends on sustainable development of the industry, and identified, evaluated, differentiated and managed the importance of ESG issues we addressed. In 2024, based on the work of the previous year, we proactively responded to the requirements laid out in the Code of ESG Reporting by HKEX and Self-Regulatory Guidelines for Listed Companies No. 14 - Sustainability Reporting (Trial) (hereinafter referred to as the Guidelines for Sustainability Reporting) by Shanghai Stock Exchange, and identified substantive issues and analyzed their dual materiality in combination with our own business characteristics. In general, two new ESG topics have been added compared to the previous year, namely data security and privacy protection, and circular economy, mainly in response to the requirements laid out in the Guidelines for Sustainability Reporting by Shanghai Stock Exchange.

The specific process is as follows:

Identification. With reference to requirements of GRI, the United Nations Sustainable Development Goals (SDGs), Shanghai Stock Exchange and HKEX and other authorities for ESG information disclosure, through peer benchmarking and expert judgment, we have preliminarily identified 31 ESG-related issues for this year, including 14 environmental issues, 10 social issues and 7 governance issues.

Evaluation. We conducted an impact materiality assessment based on the demands of stakeholders, and leveraged stakeholder surveys and expert scoring methods to assess whether the issues are impactfully material by comprehensively taking into account factors such as the scale, scope, and likelihood of the impact of each issue. We conducted a financial materiality assessment based on our operating fundamentals, in conjunction with the recommendations of experts from the finance department. We approached the issues from the perspectives of continuity of resource use and dependence on going concern, selected financial factors such as income, expenditure, assets and liabilities, and cash flow, and assessed the impact of each issue under different operating cycles (short-term, medium-term, and long-term) to determine whether the issues are financially material.

Confirmation. Based on the above two steps, we integrated the impact and financial materiality results, conducted quantitative analysis on them, and formulated our substantive issues to ensure that important issues have been fully disclosed in this report, and used this as the focus of our ESG work.

14 Environmental Issues

Environmental Management System
Climate Change and Greenhouse Gas Emissions
Pollutants and Wastes Disposal
Energy Management
Water Resources Management
Air Quality Management
Tailing Management
Green Production and Green Mines
Green Packaging and Supply Chain
Circular Economy
Biodiversity Protection
Ecological Restoration
Green Office and Operations
Green Publicity

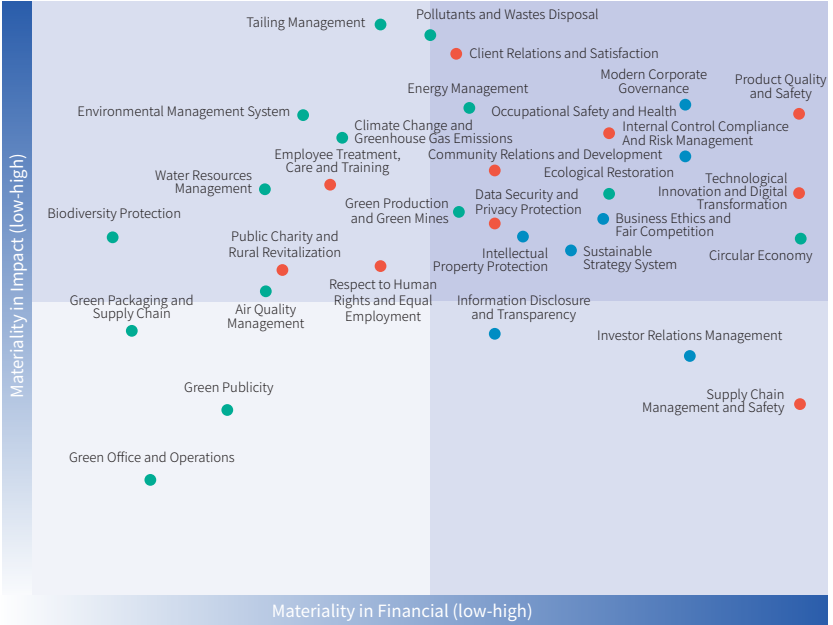
10 Social Issues

Respect to Human Rights and Equal Employment
Occupational Safety and Health
Employee Treatment, Care and Training
Product Quality and Safety
Supply Chain Management and Safety
Client Relations and Satisfaction
Public Charity and Rural Revitalization
Technological Innovation and Digital Transformation
Data Security and Privacy Protection
Community Relations and Development
Community Relations and Development

7 Governance Issues

Sustainable Strategy System
Modern Corporate Governance
Investor Relations Management
Internal Control Compliance And Risk Management
Business Ethics and Fair Competition
Information Disclosure and Transparency
Intellectual Property Protection

After identification and analysis, our issue analysis matrix is as follows, including 25 issues of impact materiality, 19 issues of financial materiality, and 16 issues of both impact and financial materiality.



Putting into Place a Sound Governance System to Jointly Build Long-Term Value



We have built a ten-in-one governance system supported by our characteristic ten working mechanisms featuring "scientific decision-making, standardized operations, strong execution, and efficient coordination", with Party building as the principal axis, and guaranteed by risk management, scientific and technological innovation, supervision management, coordination and collaboration, position system, comprehensive budget, standard setting, digital empowerment and corporate culture. We have integrated sustainable development into the governance genes to ensure the transparency and compliance of our operations, aiming to forge a resilient chain of co-existence and common prosperity among investors and shareholders, partners, governments and regulatory authorities, so that commercial value and social welfare can resonate and achieve a win-win outcome under the forging of governance framework and institutional system construction.

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Investor Relations	24
Business Ethics	25
Risk Control and Internal Control	29
Information Disclosure	32

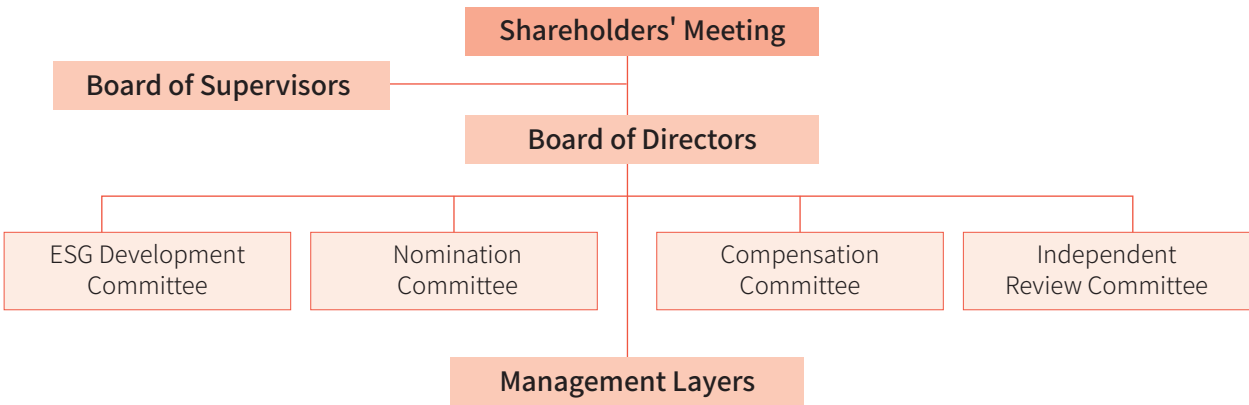
Putting into Place a Sound Governance System to Jointly Build Long-Term Value

Governance Structure

We strictly abide by the *Company Law of the People's Republic of China*, *Securities Law of the People's Republic of China*, *Code of Governance for Listed Companies*, *Securities Listing Rules of the Shanghai Stock Exchange*, *Listing Rules of the HKEX Limited* and other relevant laws and regulations and the *Articles of Association of Jiangxi Copper Co., Ltd.* (hereinafter referred to as the *Articles of Association*), and have built a governance system that is in line with domestic and foreign regulatory requirements and has industry characteristics, given full play to the functions of the Shareholders' Meeting, the Board of Directors and its specialized committees, and the management to ensure our standardized, stable and efficient operation and we achieve high-quality development.

As a power organ, the Shareholders' Meeting exercises the power to make decisions on significant matters. We strictly follow the provisions and requirements of the *Guidelines for the Articles of Association of Listed Companies (Draft for Soliciting Comments on the Revised Draft)* and *Rules for Shareholders' Meetings of Listed Companies (Draft for Soliciting Comments on the Revised Draft)* by China Securities Regulatory Commission to ensure that all shareholders, especially small and medium-sized shareholders, enjoy equal status and can fully exercise their rights.

The Board of Directors plays the role of "strategic helmsman" and is responsible for formulating our development strategy, making major decisions, supervising operations, conducting information disclosure and regular reviews. It has four specialized committees, namely Independent Audit Committee, Compensation Committee, Nomination Committee and ESG Development Committee, each of which performs its duties and cooperates with each other to form a "1+4" specialized decision-making system. The number of members and composition of the Board of Directors strictly comply with laws, regulations and the *Articles of Association*. It has the triple advantages of diversified industry background, professional qualifications and compound governance experience, forming a three-dimensional intellectual support system for strategic decision-making. In 2024, we drafted and issued the *Working System for Independent Directors of Jiangxi Copper Co., Ltd.* and revised the rules of procedure for each specialized committee. Through institutionally regulating the boundaries of independent directors' rights and responsibilities and the procedures for performing their duties, strengthening the effectiveness of checks and balances as well as supervision, we have improved our governance transparency and credibility of strategic decision-making as a listed company. As of the end of 2024, we have a total of 8 directors, including 5 executive directors and 3 independent non-executive directors, accounting for 37.5%; the number of female directors stand at 2, accounting for 25% of the board members. Information of all directors has been published in our 2024 Annual Report.



Company Governance Structure

As of the end of 2024, we held three shareholders' meetings and reviewed and approved 16 proposals; 10 meetings of the Board of Directors and reviewed and approved 38 proposals; 8 meetings of specialized committees and reviewed and approved 8 proposals; and 4 meetings of the Board of Supervisors and reviewed and approved 13 proposals. All meetings were held in accordance with the requirements of the Articles of Association and Rules of Procedure.

Investor Relations

| Protecting the Rights and Interests of Investors

In the management of investor relations, we always regard improving the corporate governance structure, perfecting the risk control system, strictly fulfilling the obligation of information disclosure, and encouraging investor engagement as core measures to protect their basic rights. In 2024, we protected shareholders' rights and interests in multiple dimensions, safeguarded the legitimate rights and interests of small and medium-sized investors, and promoted the implementation of rational investment concepts by convening shareholders' meetings in a standardized manner, strictly supervising the fulfillment of commitments, and carrying out investor education and publicity programs.

•**Guarantees by Organs of Power:**

We ensure the rights and interests of all shareholders, especially small and medium-sized shareholders, and have held three shareholders' meetings, adopting a combination of on-site and online voting, and separately counting the votes of small and medium-sized investors. The Board of Directors performed its duties in strict accordance with relevant laws, regulations and our Articles of Association, and conscientiously implemented all resolutions passed by the Shareholders' Meeting.

•**Commitment Fulfillment:**

We strictly urged the controlling shareholder, directors, supervisors, senior management and others to fulfill relevant commitments, and no violations of commitments have occurred.

•**Investor Education and Publicity Programs:**

We proactively responded to the call of the Jiangxi Office of CSRC on investor protection, participated in the International Day for Protecting Consumers' Rights investor education programs, the publicity month program for preventing illegal securities and futures investment activities, etc., and publicized relevant knowledge to investors through various media. We guided investors to establish the concept of long-term and rational investment, and took solid steps to protect investors' legitimate rights and interests.

•**Training of Relevant Professional Skills:**

We conducted special training sessions on the revised contents of the new *Company Law of the People's Republic of China* regarding the shareholder contribution period, contribution with right of credit at an evaluated price and other amendments, to optimize the corporate governance structure, prevent legal risks caused by capital contribution defects, and ensure the connection between shareholder rights and interests and management compliance.

| Shareholder Returns and Cash Dividends

We organically combined governance innovation with shareholder returns, and launched a special program featuring "Improving Quality and Profitability to Offer Shareholders Considerable Returns" in 2024, aiming to improve operating quality by focusing on principal businesses, technological innovation, and industrial upgrading, while strengthening investor returns through

cash dividends, share repurchases and other means. Faced with challenges such as copper price fluctuations and declining processing fees, we consistently adheres to stabilizing business performance through "improving quality and efficiency" and promised to continue to strengthen market value management in the future.

•Continuous Cash Dividends:

We adhered to a stable cash dividend policy, and paid a cash dividend of RMB 6 (tax included) per 10 shares to all shareholders in 2024, with a total cash dividend of approximately RMB 2.071 billion, accounting for 31.84% of the net profit attributable to shareholders of the listed company in 2023.

•Share Repurchases:

In order to safeguard our value and shareholders' rights and interests, we repurchased a total of 10,441,768 A-shares through centralized bidding transactions, using RMB 259 million of our own funds.

| Investor Engagement

Jiangxi Copper has always been concerned about investors' needs and maintained close contact with them. We proactively worked on ensuring sound investor relations management in strict accordance with the *Investor Relations Management System of Jiangxi Copper Co., Ltd.* and has established a complete investor relations management system. We maintained communication with investors through various channels, including the investor interaction platform, hotline, company email, etc., and regularly maintained these communication channels.

- We regularly invited securities firms, funds and other intermediary institutions to hold on-site meetings or telephone conferences to communicate on various projects being promoted and potential areas of expansion. So far, we have established a regular communication mechanism with dozens of companies.
- We proactively communicated with domestic and foreign rating and research institutions and offered to provide corporate data to maintain and manage our external image so that investors can learn about us and make decisions.
- We proactively receives site surveys from institutional investors in strict accordance with internal systems and norms and recorded the information on visiting investors in a timely manner.

As of the end of 2024, we had successfully held performance briefings for 2023, the semi-annual one for 2024 and the one for the third quarter of 2024, participated in one collective reception day for investors of listed companies in Jiangxi Province, attended 3 strategy meetings on site, and participated in a total of 12 investor meetings during such meetings; we received more than 50 domestic and foreign intermediary institutions and funds through telephone conferences and site surveys; and we maintained close communication with well-known overseas institutions such as UBS, Bank of America, Goldman Sachs, and Morgan Stanley.

Business Ethics

| Fight against Corruption

Anti-corruption is not only a requirement for legal compliance, but also a necessary guarantee for our sustainable development; intensifying anti-corruption will help optimize our governance structure and provide strong guidance and support for us to make all-out efforts to launch the Three-Year Action for Further Improvement for achieving high-quality development and accelerate

the creation of a world-class enterprise with global core competitiveness. We strictly abode by the *Criminal Law of the People's Republic of China*, the *Supervision Law of the People's Republic of China*, and the *Interim Provisions on Prohibition of Commercial Bribery*, and formulated a series of normative documents such as the *Opinions on Implementation of the "Integrated Supervision" System of Jiangxi Copper* and the *Implementation Measures of Jiangxi Copper Co., Ltd. for Preventing and Managing Corruption Risks*. In 2024, we issued the *Work Plan for Carrying out the Special Campaign against "Taking Advantage of the Copper Business to Seek Personal Gains"* and *Relevant Related-Party Transactions in Violation of Rules and Regulations*, and newly revised the *Interim Provisions on Official Business Avoidance of Leaders and Risky Post Personnel of Jiangxi Copper Co., Ltd.*. We insisted on implementing the "Integrated Supervision" system and advancing the program to ensure our officials do not have the audacity, opportunity or desire to be corrupt in an integrated manner, and carried out a series of rectifications, making integrity construction a common practice. **During the reporting period, we were not subject to any external anti-corruption investigations or penalties.**

◦ Implement the "Integrated Supervision" System

Jiangxi Copper has implemented the *Opinions on Implementation of the "Integrated Supervision" System of Jiangxi Copper*, proactively promoted the construction of our "Integrated Supervision" System, and effectively guaranteed the implementation of rules and regulations such as the *Consultation System on the "Integrated Supervision" Work of Jiangxi Copper*. Through the systematic integration of five major forces: comprehensive supervision, specialized supervision by disciplinary inspection and supervision agencies, functional supervision by business departments, regular daily supervision, and democratic supervision by the masses, we have simultaneously deepened the restraint mechanism enabled by the six disciplines, namely political rules, organization principles, integrity line of defense, purpose of serving the people, performance effectiveness, and work style and moral self-cultivation, and achieved two-way empowerment of internal control and supervision results and external supervision resources such as disciplinary inspections, checks and balances by the Board of Supervisors, and auditing and supervision. Ultimately, we mean to put into place a three-dimensional supervision pattern where internal and external resources interact and collaborate, thereby improving administrative efficiency and building long-term mechanisms in key areas.

Convened the 2024 Annual Work Conference on "Integrated Supervision"

On December 30, 2024, we held the 2024 Annual Work Conference on "Integrated Supervision" to report on the performance of the functional supervision role and the results of the "Integrated Supervision" work, shared and discussed typical problems and management difficulties of grassroots units, encouraged functional departments to offer opinions and suggestions on the construction of the "Integrated Supervision" System, and reported on the arrangements for supervision work in 2025.

◦ Achieved Full Coverage of Corruption Risk Prevention and Control Measures

In response to corruption risks, we promoted risk prevention and control through a three-stage closed-loop management system featuring "early-stage prevention- mid-stage monitoring - late-stage disposal". We made multi-level reporting channels accessible, including our e-mail box and our physical reporting boxes and dedicated telephone lines as an inspected unit. We implemented rapid response and closed-loop management for letters and visits, appeals, reports and other opinions from social groups and the public, and put into place the special ledger to track and grade them by dedicated personnel.

We put the focus of corruption risk prevention and control on supplier integrity management. In the early prevention stage, we strictly implemented internal systems such as the *Measures for the Administration of Avoidance in Procurement of Materials*,

Equipment and Spare Parts of Jiangxi Copper Co., Ltd. (Trial) and the Measures for the Administration of the Supply of Materials, Equipment and Spare Parts of Jiangxi Copper Co., Ltd. (2022 Edition) to establish a supplier access assessment mechanism which covers qualification verification, on-the-spot investigations and risk assessments, to ensure that the procurement process is fair and transparent, and to constrain suppliers to fulfill the obligations agreed in the *Letter of Commitment on Integrity*, in terms of mid-stage monitoring, we built a transparent procurement platform to strengthen process control, conduct supplier integrity reviews and implement dynamic tracking. In the late-stage disposal process, we clarified the procurement responsibility accountability mechanism, and ensured that every letter, visit and report was responded to by putting ledger management into place.

Deepen the Practice of Governance that Promotes Mutual Promotion of Integrity and Ability

In constructing the "Integrated Supervision" System, we promoted the deep integration of integrity building and efficiency improvement, and also effectively facilitated Jiangxi Copper's transformation from passive response to proactive prevention, and from single-sided governance to a holistic approach when dealing with risks, forming a virtuous circle of "integrity guarantees efficiency, and efficiency further ensures integrity." In 2024, we implemented the guiding principles governing organizational governance modernization, launched special rectification programs, conducted open and secret inspections during the Mid-Autumn Festival, to build a solid line of defense for working with integrity; at the same time, we focused on cultivating a clean and upright cultural ecology, carried out themed education month programs, and worked to create an integrity culture brand.

Build a Solid Defense Line for Working with Integrity

Action Plan for the Special Campaign against Typical Problems such as "Taking Advantage of the Copper Business to Seek Personal Gains"

In order to rectify problems based on the feedback from the Provincial Party Committee during its inspection, we issued the *Work Plan for Carrying out the Special Campaign against "Taking Advantage of the Copper Business to Seek Personal Gains" and Relevant Related-Party Transactions in Violation of Rules and Regulations*, which aims to strengthen employee discipline and integrity education, centrally manage the business operations and interest transfer of corporate leaders and related personnel, improve system construction and graded list management, establish a long-term governance mechanism, solve outstanding internal problems, and ensure compliant operations.

Overt and Covert Inspections during the Mid-Autumn Festival

We paid close attention to key nodes, adopted means of top-down interaction and cross-checking to conducts overt and covert inspections on the "pointless formalities, bureaucratism, hedonism, and extravagance", and adopted the "Four Nos and Two Directs (No prior notice, no informed schedule, no report listening, no accompanying and reception, going straight to the grassroots level units and the scenes where problems arise directly)" approach to directly go to relevant places and areas to learn about and discover problems; for violations of regulations and disciplines discovered during the inspection, we would collect evidence or pointed them out on the spot. After the overt and covert inspections were completed, we would form a situation report and urged rectification of the problems found.

Cultivating a Clean and Upright Cultural Ecology

Build an Integrity Culture Brand

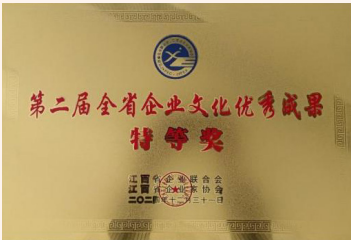
Our Discipline Inspection Commission selected 9 "Excellent Integrity Culture Brands" based on the effectiveness of integrity culture construction in various units, the *Cultivating the Integrity Foundation and Working on Three Fronts: Building and Practice of Integrity Culture System in Large State-owned Enterprise* selected working with our Publicity Department won the Special Award for Provincial Outstanding Corporate Culture Achievements.

Cultivating a Clean and Upright Cultural Ecology

Themed Education Month Featuring "Learning and Knowing Disciplines to Be Inspired to Take on Heavy Responsibilities and Take Actions, Knowing and Abiding by Disciplines to Promote Integrity and Uprightness"

In June 2024, we fostered an atmosphere of diligence, integrity, dedication, entrepreneurship, and achievement through a themed publicity and education month program. During the publicity and education month, we:

- Organized 2 concentrated learning sessions; Dexing Copper Mine organized more than 80 learning sessions on "Top Agenda".
- The Office organized 46 people to go to Wenzhen Prison in Jiangxi Province for warning education; Guixi Smelter organized family representatives of people in risky positions in the plant to go to the detention center for warning education.
- Dexing Copper Mine organized a quiz activity on the Jiangxi Copper Party Building APP, with more than 4,000 participants; Wushan Copper Mine, Chengmenshan Copper Mine and other units organized offline tests.
- Dexing Copper Mine Organized a "Clean Heart" publicity team which covered more than 1,000 employees; Guixi Smelter formulated a work plan for the construction of integrity culture
- Yongping Copper Mine launched a campaign to collect family letters on integrity.



Fair Play

Jiangxi Copper has always followed the requirements of laws and regulations such as the *Anti-Monopoly Law of the People's Republic of China (Revised in 2022)*, the *Anti-Unfair Competition Law of the People's Republic of China*, and the *Regulation on Fair Competition Review*, resolutely upholding the principle of fair competition. We strengthen legal awareness training, promptly stop and correct any behavior that may violate laws and regulations, and are committed to creating a favorable environment for the healthy development of the market economy. **During the reporting period, we were not involved in any litigation cases related to unfair competition, anti-monopoly or antitrust.**



Special Training on Fair Competition

Anti-Money Laundering

We strictly abides by the *Anti-Money Laundering Law of the People's Republic of China* and other relevant laws and regulations, always adheres to the risk-based principle, and continuously improves the internal control mechanism and persistently strengthens the monitoring and management of transactions, products, and services. We have effectively prevented money laundering risks and ensured the legality and compliance of financial transactions. **During the reporting period, we did not commit any major violations.**

| Pay Taxes according to Law

We always adhere to the principles of paying taxes in accordance with the law and operating in good faith, and strictly abide by tax-related laws and regulations. We have always regarded tax compliance and transparency as an important part of the governance system. By regularly publishing financial reports, proactively disclosing tax payment details and tax management mechanisms, we continuously enhance stakeholders awareness of our social contributions. In recent years, our tax payment scale has been significant, with considerable growth potential. The payment of resource tax, value-added tax and other taxes continues to contribute to the steady growth of the local economy. At the same time, we proactively fulfilled our obligations to pay environmental protection taxes, drive our green transformation, indirectly promote local ecological governance, and achieve sustainable development. For a more in-depth look at our tax payment, please refer to our 2024 Annual Report.

Risk Control and Internal Control

| Comprehensive Risk Management

Our company has continued to improve its risk control system, and has identified risk management objects, risk control objectives, specific control measures and risk management responsibilities in all aspects of the company's management and operations, nurtured a good risk management culture, and promoted the realization of comprehensive risk management. At the same time, we have supervised a number of subsidiaries to complete the system construction and risk ranking and control, forming a full scope of the risk control system. Each year, our company develops annual risk management and internal control management plans, and carries out special or comprehensive risk supervision and inspection work.

o Risk Management System

Our company has built a ‘Jiangtong Model’ of risk management with the main contents of ‘one system, two supervision and management, three lines of defense, four in one, five major fields and six perfections’, forming a multi-level, full-process, full-employee and omni-directional management pattern of risk control. The board of directors and authorized institutions act as the highest decision-making center, leading the Risk Management Committee, the Legal Affairs and Risk Control Department, and other professional departments and subordinate units. Through the ‘three lines of defense’, hierarchical authorization management is carried out between the Group and its subsidiaries, and between its subsidiaries and subordinate units to ensure closed-loop management. Each main body accurately divides decision-making, execution, and supervision powers; sets up three lines of defense, including core business departments, support departments and guarantee departments, to form a risk management model with clear powers and duties and synergistic linkage.

o Risk Management Procedure

Our company has enacted a series of internal systems related to risk management, such as Management Measures for *Risk Management and Internal Control of Jiangxi Copper Co., Ltd.*, and *Management Measures for the Access of High-Risk Business of Jiangxi Copper Co., Ltd.*, which clearly define the management requirements for risk identification and assessment, early warning and monitoring, tracking and analysis, and appraisal and accountability.

•Risk Identification and Assessment:

Based on the standard risk framework, we form a comprehensive risk list and a key area risk list, considering the business objectives and internal and external situations, as well as adopting a three-tier risk categorization plus risk point descriptions.

•Risk Early Warning and Monitoring:

The Company's Risk Management Committee, Legal Risk Control Department and all functional departments and affiliated companies constitute the risk early warning organization system, whose duties contain oversight authority for risk early warning and the division of risk management hierarchy. A two-tier important risk monitoring mechanism has been constructed, with clear monitoring indicators, monitoring frequency and abnormal response procedures. 2024, our company continuously monitors risks in key areas, including trade business model, third-party warehousing inventory management, and cross-granting of credit.

•Risk Tracking and Analyze:

Our company has established a regular tracking and supervisory mechanism for risk events and rectification matters. Each affiliated company is required to report regularly on the progress of relevant risk management and the completion of rectification matters. In 2024, we dynamically tracked the progress of rectification of risk management issues found by the provincial party committee inspection, and supervised the implementation of 45 risk control rectification measures and 13 trade rectification tasks throughout the whole process, and all issues have been canceled as scheduled. At the same time, our Company regularly analyzes and summarizes the risk situation to conduct and issue risk management reports, conducts self-evaluation of the effectiveness of internal control and releases annual self-assessment reports.

•Appraisal and Accountability:

Our company has set up a risk control performance appraisal mechanism to appraise our subsidiaries and their executives in charge of risk control. The assessment includes the completion of annual key work, daily risk management, risk culture propaganda, etc. In 2024, we formulated and issued the annual *Risk Control Performance Assessment Program* and the *Assessment Program for Executives in Charge of Risk Control in Subsidiaries* to play the role of risk control performance assessment. We have completed the annual risk control performance appraisal for 28 affiliated companies and 11 affiliated company executives in charge of risk control work. Through the guiding effect of risk control performance appraisal, our comprehensive risk management system is continuously improved.

| Internal Control

We have established and improved an internal control system, implemented closed-loop management through regular internal control evaluations, rectification of internal control deficiencies, and maintenance and optimization of the important carrier of the internal control system, the *Internal Control Manual*, to achieve effective internal control. Our company has established "institutional firewalls" and "system control shields" in corporate management and business processes, complemented by the implementation of the *Internal Control Manual*, significantly reducing risks such as financial fraud and operational distortions in the company's business operations. In 2024, we continued to strengthen the construction and optimization of our internal control system, while preventing loss of assets, we built a fortress of investor confidence and protected the rights and interests of small and medium shareholders.

Constructing a Penetrating Dynamic Internal Control System Featuring "Self-Examination - Tracking - Disclosure"

In order to eliminate regulatory arbitrage space and ensure that our transactions comply with Chapter 14A of the *Listing Rules* and other regulatory requirements, we promptly urged relevant departments and subsidiaries to conduct self-inspections on related-party transactions, break through the cycle restrictions of traditional annual report audits, and reduce the lag of monitoring; we tracked our stock price, compiled register of shareholders, published monthly reports on overseas shareholders on time, and issued weekly securities statistical analysis reports; at the same time, we ensured compliance disclosure and achieved full-cycle penetrating dynamic internal control of the transaction processes.



I Compliance Management

In 2024, Jiangxi Copper strictly abode by the *Measures for Administration of Compliance (2023 Edition)* and *Measures for Administration of Compliance of Overseas Business Operations (2023 Edition)* of its controlling shareholder Jiangxi Copper Group Co., Ltd., stayed anchored to the goal of deepening the compliance management system, set up compliance managers, and established a matrix management and control network; we focus on the four key areas including procurement transactions, trade business, safety and environmental protection, and labor employment, accurately complied with the requirements of the compliance evaluation system of the State-owned Assets Supervision and Administration Commission of Jiangxi Province, and effectively built a solid institutional foundation for preventing operational risks and serving high-quality development.

At the trade level, we revised and issued the *Measures for Administration of Trade Business (2024 Edition)*, and invited experts to conduct special training sessions to answer employees' questions about the "Ten Prohibitions" set out in new regulations on trade, and conducted special compliance inspections on key units.

At the audit level, we issued the *Measures of Jiangxi Copper Co., Ltd. for the Administration of Auditing Based on Real Practices (Trial)* to enhance the professional competence of personnel through audit practices and ensure our compliance management and stable development.

At the legal level, we held the 2024 annual legal knowledge and compliance management training course covering multiple aspects such as compliance system construction. A total of more than 130 people from various functional departments and affiliated units participated in the course. Through comprehensive and focused compliance management training, employees' awareness of the rule of law and compliance management capabilities have been comprehensively improved.

Information Disclosure

Jiangxi Copper strictly abides by the current regulatory rules and requirements of Shanghai Stock Exchange and HKEX, adheres to the principles of "truthfulness, accuracy, completeness and timeliness" in information disclosure, insists on the consistency and coordination of information disclosure in the two markets, and fully protects investors' legitimate right to know. We strictly abide by regulatory requirements such as the *Securities Law of the Peoples Republic of China* and the *Measures for the Administration of Information Disclosure of Listed Companies*, and continue to improve internal control systems such as information disclosure management, insider information control, annual report quality accountability and disclosure exemption mechanism. We also carry out special training on annual report information disclosure to strengthen the Board of Directors and management's awareness of the compliant disclosure of ESG data, proactively respond to the arrangements for the "Special Program to Regulate Corporate Governance", and effectively improve the quality and compliance level of information disclosure.

In 2024, we disclosed quarterly, semi-annual and annual reports on time, and disclosed significant matters, related-party transactions, etc. in accordance with the requirements of the exchanges, and kept A and H share announcements consistent. In 2024, we disclosed a total of 249 reports, including 4 regular reports and 245 interim announcements; by A/H shares: there were 89 A-share announcements and 160 H-share announcements.



Working Together to Share a Responsible Value Chain

Jiangxi Copper is well aware that a responsible, high-quality value chain requires all parties upstream and downstream of the industrial chain to share and build it together and move forward hand in hand. We ensure that every product meets the highest standards through a strict quality control system, improve user experience and satisfaction through a comprehensive customer rights protection mechanism; we ensure that every link, from source to terminal, is transparent, traceable, safe and reliable through a sound supply chain management system; we explore new mechanisms for innovation and cooperation by deepening cooperation between and among the industry, universities and research institutions. We give full play to our influence and sense of responsibility as a "chain leader" with the goal of maximizing shared value. We continuously promote industry upgrades and innovations, strive to become an industry model, and lead more companies to move towards a more responsible future together.

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Working Together to Share a Responsible Value Chain

Product Quality Management

I Quality Management System

We always adhere to the concept of "Putting Equal Emphasis on Quality and Quantity", stick to the quality concept of "quality comes from details", continuously deepen the construction of the "five-standards-in-one" management system and evaluation system, strictly implement daily quality control measures, and strive to improve product quality, thereby strengthening the brand advantages of Jiangxi Copper and maintaining its market reputation. We strictly abide by the *Product Quality Law of the People's Republic of China* and have established an "Integrated Quality" management system covering products and services such as cathode copper, industrial sulfuric acid, gold ingots, silver ingots, arsenic trioxide, sulfur concentrate, zinc concentrate, lead concentrate, molybdenum concentrate, ammonium molybdate, ammonium rhenate, copper sulfate, copper tubes, etc., providing a solid guarantee for the continuous improvement of our product quality and our stable development. In 2024, our three products, electrical copper wire billets, electrical round copper wires, and silver ingots, passed the re-evaluation for Jiangxi Province's famous brand products, and our famous brand product gold ingot was added to the list; a total of our 14 Jiangxi Province famous brand products are within the validity period.

We formulated an annual production and operation plan at the beginning of the year, issued major product quality targets and incorporated them into performance management. We continuously strengthened product quality management through various control measures such as annual product inspection, compulsory inspection by quality supervision departments, and regular inspection of registered products. We also strengthened guidance and supervision over weak links through regular statistical analysis and reporting based on weekly and monthly quality reports. We conducted special audits on abnormal situations, put forward improvement suggestions, and enhanced our production process control capabilities.



Quality Management System Certification

During the reporting period, the internal self-inspection rate of our secondary units was 100%; the qualification rate of mineral products was 100%, the A-grade rate of cathode copper chemical composition was 100%, the A-grade rate of gold ingots was 100%, and the A-grade rate of silver ingots was 99.8%. In addition, we commissioned a third party to conduct an annual customer satisfaction survey on related products, according to which, cathode copper, industrial sulfuric acid, silver, copper rod and wire, and copper sulfate are all user-satisfied products.

I Measurement Management System

We have formulated the *Measurement Management Measures of Jiangxi Copper Co., Ltd.* to carry out measurement work, organized the establishment of our measurement standards, coordinated the arrangement and utilization of our measurement resources, established an internal measurement size traceability system, improved measurement assurance capabilities, and proactively promoted measurement data management and application. In accordance with laws and regulations, customer, production and operation requirements, we identified and derived measurement requirements from the aspects of production control, safety and environmental protection, energy measurement, material accounting, measurement standards, inspection and testing, and equipment maintenance, and established the *Measurement Requirements Identification Table*.

In 2024, we followed the *Internal Verification (Calibration) Plan for Measuring Equipment of Metrology and Testing Center of Jiangxi Copper Group* issued by the controlling shareholder, and made full use of the favorable conditions that the three units Dexing Copper Mine, Guixi Smelter and Yongping Copper Mine have national measurement standard testing certificates to carry out internal appraisal business to activate internal resources, reduce testing costs, and better give play to the effectiveness of measurement standard devices.



Measurement Management System Certification

I Quality Capability Improvement

In order to carry out comprehensive quality management in depth and stimulate the enthusiasm and creativity of our employees to participate in enterprise management and improve quality, we have formulated the *Measures of Jiangxi Copper Co., Ltd. for the Administration of Quality Management Group Activities* to encourage employees to consciously, solidly, healthily and effectively carry out Quality Control Group (QC Group) activities and continuously improve the quality of products, projects and services. We regularly organized the release of our QC Groups' results, and recommended the best ones to Jiangxi Province and the national nonferrous industry. In 2024, *Quality Inspection Center Laboratory* of our Yongping Copper Mine was awarded the honorary title of "National Quality Trustworthy Shift Team".

During the reporting period, we held a total of 7 training sessions on quality and system operation, with nearly 300 participants involved.



Yongping Copper Mine Won the Honorary Title of "National Quality Trustworthy Shift Team"

Carried Out "Quality Month" Activities to Enhance the Quality Management Awareness and Ability of All Employees

In 2024, we launched the "Quality Month" program with the theme of "Promoting the Spirit of Craftsmanship and Spreading Quality Culture", making full use of existing publicity media to carry out publicity activities, and adopting various forms such as knowledge lectures and newspaper columns to popularize quality management knowledge, spread quality culture, and promote the exchange and mutual learning of scientific quality management methods, thus effectively promoting the further improvement of the quality awareness and quality management competence of all employees.

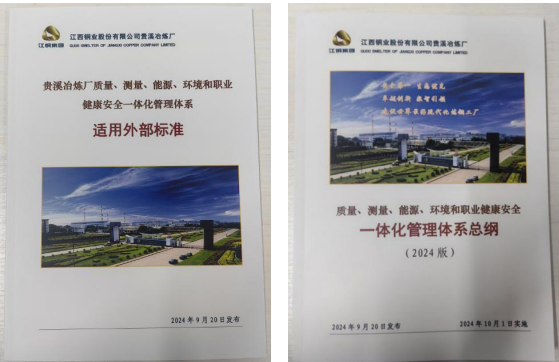


At the same time, subordinate units also carried out activities with their own characteristics based on their own realities.

- Dexing Copper Mine organized and carried out the learning activity of "learning excellent QC cases and improving QC management competence", and organized employees to study the "National Excellent Group" cases and the operations guide of the *Quality Promotion Platform of China Association for Quality* to further enhance the quality awareness of the masses of the employees.



- Guixi Smelter organized and carried out the revision of system documents, provided a convenient platform for employees to conduct in-depth learning and continuous improvement, which further enhanced their quality awareness.



Customer Service Guarantee

Customer Resilience Risk Management

In order to establish a mutually beneficial and win-win development environment and improve customer quality management and customer-level risk resilience, we have formulated institutional documents such as the *Client Credit Management Measures* and the *Client Classification Grade and Rating Score Corresponding Table* to fully implement customer-level risk response. We classified customers according to their credibility, dividing them into four categories at six levels: high-quality customers, good customers, general customers and bad customers. We gave priority to cooperating with high-quality and good customers, carefully selected general customers to conduct business in a moderate manner, and strictly refrained from conducting business with bad customers.

Customer Rights and Interests Protection

We adheres to the business philosophy of "creating value with customers", follow high-level business ethics, respect the laws and regulations of the business and customer locations, meet customer needs with high-transparency management, and continuously improve the mechanism for protecting customer rights and interests. We have built a "humanistic" customer management system. Through benchmarking against high-level demands, we implemented after-sales responsibilities layer by layer, proactively responded to product quality feedback, ensured long-term operation and insights into multi-chain customer groups, and effectively deepened our connection with customers.

Customer Profile Creation

We established detailed and accurate customer files and customer management mechanisms, carried out customer evaluation and customer credit management, and ensured timely and effective actions when providing customers with services such as order guidance, product consultation and maintenance, brand promotion, and recording of opinions and suggestions.

Customer Communication

Through various measures such as irregular visits, seminars, annual "Customer Appreciation Meetings", etc., we maintained good and close customer and product relationships, ensured that customer needs and their rights and interests protection needs are fully communicated, and positive feedbacks were effectively conveyed.

Confidentiality of Customer Information

In order to safeguard the basic rights of customers, such as the right to information security, the right to be respected, and the right to fair trade, we strictly abode by relevant confidentiality regulations throughout the entire consulting service process, implemented graded confidentiality management of customers' archival materials, and strengthened privacy protection.

| After-Sales Services and Complaint Handling

We have explicitly defined rights and responsibilities for our product after-sales service by formulating a series of guarantee documents such as the *Management Measures for the Handling of Measurement and Quality Complaints of Jiangxi Copper Products* and the *Measures for Handling Objections to the Measurement and Quality of Smelting Raw Materials and Products*, and continuously improved the after-sales management and complaint feedback mechanism to form a closed-loop management process with seven major links: "complaint acceptance - complaint identification - investigation and analysis - proposal of handling plan - review - implementation - evaluation". **During the reporting period, our product complaint resolution rate was 100%, and no major product quality complaints arose; complaints about copper processing product quality decreased by 22 times year on year, and the product return rate remained below 0.72%, which is at a relatively low level in the industry, and lean management has reached a new level.**

After-sales Management Processes and Actions

After-Sales Management	Specific Measures
Goods Receipt by Client	<ul style="list-style-type: none">Clarify the clients' receipt of goods, obtain relevant certificates for the transfer of goods rights, and ensure that the exchange and transfer of goods are well documented.The sales business departments respond within 24 hours after receiving client objections and communicate subsequent processing opinions.
Settlement Reconciliation	<ul style="list-style-type: none">After completing the settlement, submit the settlement documents to the Finance Department for invoicing, and deliver the invoice to the client in the same month.Actively handle and make adjustments to any product orders with objections.
After-Sales Consultation	<ul style="list-style-type: none">Record opinions and suggestions from the client and make subsequent improvements.Patiently accept client inquiries, including technical performance, instructions for use, complaint handling, etc. for products .Continuously improve consulting professionalism and response speed.
Product Usage Tracking	<ul style="list-style-type: none">The sales business departments track clients' usage of products and learn about clients' personalized needs for product quality and services.Clearly inform clients of defective products and work out the solution to address objections together with the clients.
Client Objection and Complaint Handling	<ul style="list-style-type: none">Keep records of clients' opinions on the product in all aspects.Strengthen communication with clients and respond to relevant comments and objections in a targeted manner.Strengthen daily communication and reduce complaints.Feedback product quality complaints to the corresponding management department and make improvements.The result of the complaint handling opinion is return, exchange or sale at a reduced price, etc.
Division of Liabilities for Complaint Handling Result	<ul style="list-style-type: none">After a complaint is handled, the sales business departments shall work with our Planning and Production Department to conduct cause analysis and assign liabilities.
Goods Return and Exchange	<ul style="list-style-type: none">Return and exchange defective goods.
Mark-Down Sale and Compensation	<ul style="list-style-type: none">Exercise mark-down sale for downgraded goods.Compensate clients for damages to machinery and equipment, product quality problems, etc. caused by the use of our products.
Supervision and Assessment	<ul style="list-style-type: none">The sales business departments shall provide filing instructions to the Risk Management Department regarding order abnormalities caused by return of goods, mark down and compensation.Based on the complaint handling results and client feedback, the Planning and Production Department shall urge the production units to make corresponding rectifications.

Supply Chain Management

| Supplier Management Mechanism

In terms of supply chain management, we have established full-process normative documents including bidding management, supplier expert review management, e-commerce platform and mall management, emergency supply of important risk materials, and localization management. In accordance with the *Management Measures for Suppliers of Materials, Equipment and Spare Parts, Implementing Rules for Supplier Management* and other documents, we strictly classified and managed suppliers, and created a management system covering the entire process of supplier access, daily management, selection, evaluation and exit, thus forming a healthy and stable supplier ecosystem. We also continuously optimized the supplier structure based on standards for evaluating environmental and social co-construction, set a sustainability example for the industry supply chain, and helped promote the high-quality development of the industry supply chain.

As of the end of 2024, we had a total of 1,212 suppliers, including 341 in Jiangxi Province, 854 outside Jiangxi Province, 3 in Hong Kong, Macao and Taiwan, and 14 overseas (mainly distributed in the United States, Japan, Germany, Finland, Sweden, Austria, etc.). 56 new suppliers were added for the year, including manufacturing single-product specialists, national-level "Little Giant" enterprises with high growth potential, advanced Technology, and strong market competitive edge and other industry leading suppliers. We continuously improved the value of our supply chain. In the "First Ranking of China's Top 40 Nonferrous Metals Suppliers" by *China Nonferrous Metals* magazine, our full life-cycle supplier management methods and practices were highly recognized by the nonferrous industry and became the basis for the "Top 40 Suppliers" selection program.

◦ Supplier Access

We strictly adhere to the six principles of supplier selection: giving priority to manufacturer; giving priority to quality; giving priority to applicability, safety, environmental protection and energy conservation; giving priority to on-time quotation, high contract fulfillment rate, sound after-sales service, and timely technical support; and giving priority to technology leadership and high market share. Starting from 2022, we have added a number of environmental protection evaluation requirements in supplier selection, including but not limited to new evaluation requirements for suppliers' safety, environmental protection, green development levels, product energy conservation and consumption reduction levels, etc.; in our surveys on productive suppliers, in addition to the necessary qualifications, research and development, quality management, research and development and other routine materials, suppliers also need to make special explanations on green resources such as energy conservation and emission reduction, recycling, and on promoting the application of new materials, new technologies and equipment.

At the same time, we have implemented delicacy management in the supplier qualification review process, formulated the *SOP for Supplier Introduction* to reduce management loopholes and human errors, and strictly implemented the requirement to write an inspection report for the first inspection of suppliers, and uploaded the inspection report to the system for sharing and review.

◦ Supplier Evaluation and Withdrawal

We continued to strengthen the daily management and evaluation of suppliers, issued 12 warnings on abnormal supplier operations risks throughout the year, and regularly reviewed and cleared supplier qualifications through "supplier annual evaluation" and "transforming temporary suppliers to qualified ones".

• In terms of the review to transform temporary suppliers to qualified ones

we reviewed 94 temporary suppliers in 2024, and 38 of them passed the review, with a pass rate of approximately 40%. The main reasons for failure to pass the review include insufficient competitiveness of suppliers and no subsequent purchasing needs from us. One supplier failed the review due to substandard environmental protection.

• In terms of annual supplier review

we organized an annual review of qualified suppliers in 2023 for 1,089 suppliers. There were 1,036 suppliers rated qualified, including suppliers rated 52 A+ (5.02%), 438 suppliers rated A (excluding A+) (42.28%), 504 suppliers rated B (48.65%), 42 suppliers rated C (4.05%), 39 suppliers were put on the wait list, and 14 suppliers were disqualified.

Held the Plaque-Granting Conference for A+ Grade Suppliers in 2024

On May 31 and June 6, we held the 2024 Annual Plaque-Granting Conference for A+ Grade Suppliers of Jiangxi Copper at two venues in Shangrao and Changsha respectively. 52 A+ Grade suppliers were awarded plaques and more than 150 supplier representatives were invited to attend the ceremony. Adhering to the concept of "win-win cooperation, openness and sharing", we continuously intensified Jiangxi Copper's position as the "chain leader" in the industrial chain and supply chain, and carried out special discussions on "new materials, new equipment, new technologies and green and low-carbon development". The participating suppliers were organized to speak one by one to jointly explore the development of new quality productive forces, which was a successful exploration and practice for truly building a higher-quality, more efficient, safer, more stable and greener system of copper industry chain and supply chain.



| Supply Chain Resilience Management

In order to enhance the resilience and quality assurance of the supply chain, we continued to optimize our supplier structure, strictly control the proportion of traders, and reduce procurement risks and costs. Currently, our supplier database includes 55 single-product specialists in the manufacturing industry, 128 national-level "Little Giant" enterprises with high growth potential, advanced Technology, and strong market competitive edge, and 615 national high-tech enterprises. The proportion of traders has dropped from 37% to 9%. At the same time, we continued to make efforts in digital upgrades, unit energy consumption contracting, green procurement, localization, and single-source cracking, aiming to enhance procurement competitiveness and improve supply stability. During the reporting period, our supply guarantee timeliness reached 100%.

In terms of supplier compliance and responsibility

We have formulated the *Implementing Rules for Supplier Management* to emphasize the importance of compliant operations and responsibility fulfillment. According to regulations, all cooperative suppliers must sign a *Letter of Commitment on Integrity* to ensure integrity and transparency in business dealings between the two parties. In addition, the detailed implementing rules has clearly defined the penalty measures and procedures for breach of contract, covering situations such as failure to comply with quotations, ignoring quality issues, and providing counterfeit and shoddy goods, aiming to create a fair competition environment and strengthen suppliers' responsibilities and ability to fulfill their contracts.

In terms of the system-wide management of material procurement

We issued the *Measures of Jiangxi Copper Co., Ltd. for the Administration of Procurement of Materials from Wholly-Owned, Controlled and Joint Stock Enterprises (Trial)*, which clarified Jiangxi Copper's internal enterprise standards, standardized procurement methods, and held a material supply work conference to organize various units to exchange ideas on and discuss the material supply work, and further standardized the material procurement management process.

In terms of digital empowerment

On November 18, we officially launched the digital transformation and upgrading program for the Jiangxi Copper Procurement Management System, which has been fully replicated and promoted. We continued to explore the value of big data based on artificial intelligence technology to create a "Procurement Brain (Smart Brain)" to empower material procurement to move towards "innovation" and "intelligence", and provide strong support for high-quality and sustainable development.

In terms of procurement model innovation

We launched the "unit energy consumption contracting" procurement model and formulated the *Promotion Plan for Unit Energy Consumption Contracting*, taking the "service life" and "total annual consumption" of purchased materials as important basis for signing contracts or agreements, guiding suppliers and the overall industry supply chain to move towards high-quality development. At the same time, in order to solve the challenges faced by various units in the process of practice, we organized an Exchange Meeting on Deepening Unit Energy Consumption Contracting Work to further summarize experiences and practices, exchange opinions and suggestions, and explore more possibilities for promoting the new unit energy consumption contracting procurement methods in the future on a regular basis.

In terms of supply of important materials

We have established the management system based on the *Measures for the Administration of Emergency Supply of Materials against Principal Risks (Trial)*, which adheres to the three principles of "prevention first, rapid response, and unified leadership"; it divides the three emergency supply sections into "business, management, and supplier management", and features clear-cut category list; in terms of contingency plans, we sped up sorting out and regular updating the catalog of materials against principal risks.

| Supply Chain Due Diligence

We proactively responded to international policies such as *LME Policy on Responsible Sourcing of LME-Listed Brands* by London Metal Exchange (LME), *Responsible Gold Guidance and Responsible Silver Guidance* by London Bullion Market Association (LBMA), proactively practiced the principle of responsible procurement, formulated the *Management Measures for Due Diligence of Gold and Silver Supply Chain of Jiangxi Copper* and established a responsible gold and silver supply chain compliance team. By continuously improving information collection, risk identification, risk assessment, risk management measures, risk rating, transaction risk monitoring, information and communication, etc., we ensured the compliance of the gold and silver supply chain due diligence process and met international requirements in terms of human rights protection, corruption prevention, occupational safety, environmental risks, etc. During the reporting period, we hired a third-party professional organization to conduct an independent verification of our *LME Red Flag Assessment Report* and issued a relevant authentication report. In May 2024, we obtained the responsible sourcing certificate issued by London Bullion Market Association (LBMA).



Responsible Gold and Silver Certificates by London Bullion Market Association (LBMA)

| Communication and Interaction with Suppliers

In our daily work, we continued to maintain technical and business exchanges with suppliers, aiming to jointly explore potential cooperation opportunities in the industrial chain and supply chain, build bridges for in-depth cooperation among enterprises in the supply chain, and promote a new situation of mutual benefit and win-win results. In 2024, we carried out a training program on supplier management knowledge and application of Jiangxi Copper Procurement System, and conducted a supplier satisfaction questionnaire survey. According to the survey, **the annual procurement satisfaction reached 98.65%.**

Going Global: Participate in MINEXPO International Mining Exhibition to Learn and Communicate

In September 2024, our representatives visited the MINEXPO International Mining Exhibition in the United States at the invitation of Michelin and other companies. As one of the world's largest mining exhibitions, it is held every four years by the National Mining Association of the United States, bringing together global mining equipment manufacturers and service providers to showcase the latest technologies, equipment and solutions. During the exhibition, our representatives visited the booths of many well-known companies and the electric shovel production plants of Komatsu and P&H in the United States, and had in-depth exchanges on the latest technology of electric shovels and their future application prospects in Jiangxi Copper. This visit not only enabled us to understand the latest development trends in the mining field, but also laid the foundation for future cooperation and technology introduction.



| Support for Local and Small and Medium-Sized Suppliers

We always stand at the strategic height of ensuring the security of Jiangxi Copper's material supply and strive to promote the localization process of imported materials. Since 2024, we have launched 81 localization projects, covering key equipment such as the high-horsepower land leveller of Dexing Copper Mine, and compressor volute of Guixi Smelter. It is expected their successful implementation will create economic benefits of approximately RMB 49 million. In order to promote the localization of imported instruments, we have signed a strategic procurement cooperation agreement with a leading domestic instrument manufacturers, and will give priority to this enterprise as the partner for localized instruments under the same conditions. **During the reporting period, our expenditure on local (intra-provincial) suppliers reached 58%, procurement expenditure on domestic suppliers accounted for 99.78%, and the domestic-made product substitution rate reached 95%.**

Breaking the International Monopoly and Deepening the Localization Cooperation on Giant Tyres

In order to further deepen the technical exchanges and cooperation of domestic giant tires, we participated in the 2024 Annual Tire Technology Seminar and had in-depth exchanges with Haian Rubber Group Co., Ltd. Both parties emphasized the importance of tire quality and the urgency of tire localization, and conducted in-depth discussions on the operating conditions of various tire models and on-site technical services. The current international situation is changing rapidly. As the largest giant tire R&D and manufacturing company in China, Haian Group is undoubtedly a strong guarantee for the localization of giant tires. This move has not only broken the long-term monopoly of the three giants, namely, Michelin of France, Goodyear of the United States and Ishibashi of Japan, but also ensured the supply security of giant tires required for electric wheels in Dexing Copper Mine.



At the same time, we insisted on treating all suppliers equally in open procurement, and set no discriminatory thresholds such as enterprise size, high registered capital, and number of insured personnel, to ensure that small and medium-sized enterprises have fair opportunities to compete. We strictly abode by payment regulations and did not arbitrarily delay payments to suppliers, especially payments to small and medium-sized enterprises, private enterprises and projects involving migrant workers' wages, ensuring that they are paid in a timely manner, further demonstrating the sense of responsibility and industry commitment as the "chain leader" enterprise.

Industry-University-Research Institution Cooperation

| Standard Setting

In order to further strengthen our standardization management and improve the quality and efficiency of standardization work, in accordance with the *Standardization Law of the People's Republic of China* and other relevant laws and regulations, we have issued the *Measures for the Administration of Standardization of Jiangxi Copper Co., Ltd. (2024 Edition)*. By establishing the Standardization Management Committee and Standardization Expert Groups in multiple professional fields, we clarified the work processes and requirements for standard formulation and revision, implementation, supervision and inspection, and safeguard measures, ensured the quality of standards, and provided expert-level intellectual support. We also included standards in our scientific and technological innovation assessment for the first time, to promote the timely transformation of scientific and technological achievements into standards.

In 2024, our influence in the standards system of the non-ferrous metals industry has significantly increased. We have proactively participated in more than 20 seminars, including the Annual Standards Conference of the National Nonferrous Metals Industry, the Intelligent Manufacturing and Low-Carbon Standards Conference, etc.,. Centering around being high-end, intelligent and green, we took the lead in formulating and revising 31 standards at all levels, including 6 national standards, 14 industry standards and 11 group and local standards, setting a historical high. At the 2024 annual meeting of the National Technical Committee on Nonferrous Metals Standardization, we won the "Excellent Organization Award for Nonferrous Metals Standardization. We presided over the formulation of the national standard *Part 42 of Greenhouse Gas Emissions Accounting and Reporting Requirements: Copper Smelting Enterprises* and won the first prize of the Excellence Award for Technical Standard by National Nonferrous Metals Standardization Committee, which represented the industry's high recognition of our standardization work. In addition, we proactively expanded into the field of international standards, and our proposed international standard *Precious Metal Ingots* was preliminarily approved by ISO/TC174. These achievements not only enhanced our industry influence, but also provided solid technical support and standard guarantees for the high-quality development of China's nonferrous metals industry.



Participated in the National Nonferrous Metals Standardization Technical Committee Annual Meeting

Cooperation with Universities

Adhering to the principle of "integrating industry, academia, research institutions and applications, leading technological innovations and cultivating industry elites", we continued to deepen cooperation with domestic and foreign universities to promote the integration of industry and universities and technological innovation. We integrated the academic resources of universities and our own industrial advantages to cultivate high-end interdisciplinary talents, and matched industry demands with education supply through the industry-education integration community, providing efficient technical and talent support for the "high-end, intelligent, and green" development of the non-ferrous metals industry.

Promoting Strategic Cooperation with Nanchang University in All Aspects

We have always maintained a good cooperative relationship with Nanchang University. Our needs in the development of the industry such as new mining, processing and smelting technologies, green and low-carbon development, digital empowerment, new materials, and high-end equipment manufacturing are highly consistent with the disciplinary advantages of Nanchang University. In recent years, the two sides have effectively integrated school-enterprise resources, signed a strategic cooperation agreement, deepened communication and cooperation, and jointly built the Jiangxi Copper Materials College (Copper Industry Research Institute), carefully co-organized the Jiangxi Copper Experimental Class, established the Education Development Foundation, and carried out a series of fruitful and diverse forms of cooperation initiatives among the industry, university and research institute:

- We signed the "Jiangxi Copper Star" Outstanding Student Scholarship Donation Agreement and established the "Nanchang University • Jiangxi Copper Star" scholarship, providing RMB 20,000 scholarship to 49 Nanchang University students each year, the highest scholarship amount in the school; we completed the first-year scholarship donations in September 2024.
- The *Talent Training Agreement for Jiangxi Copper Experimental Class* was signed. We provided supporting financial

Promoting Strategic Cooperation with Nanchang University in All Aspects

support for the construction of the experimental class to jointly cultivate high-level innovative talents for the non-ferrous metals industry. Enrollment for 2024 has begun; after graduation, the students will follow our recruitment procedures and pass the assessment to work with us and our affiliated units in accordance with the principle of "matching people to positions".

- Jointly built Jiangxi Copper Materials College (Copper Industry Research Institute) and it was established in November 2024.
- Jointly formulated cutting-edge information briefs on "High-Performance Spherical Copper Powder" and "High-Value Utilization of Molybdenum across the Entire Industry Chain"; jointly applied for "Controllable Preparation Technology and Industrialization Research of Multi-Specification High-Elongation Lithium Battery Copper Foil" which was successfully approved as a key R&D plan of Jiangxi Province; jointly submitted an application guideline for a National Natural Science Foundation project.



Leading the Establishment of the Industry-Education Integration Community of the Nonferrous Metals Industry in Jiangxi Province

The Industry-Education Integration Community of the Nonferrous Metals Industry in Jiangxi Province is a non-profit organization led by us and jointly established by Jiangxi University of Science and Technology and Jiangxi Metallurgical Vocational and Technical College. The community brings together 73 member units including relevant organizations, schools, research institutions and upstream and downstream enterprises in the industry, aiming to integrate industry-education resources across regions, promote the high-degree matching of industry-education planning and efficient connection of services, and support the development of the nonferrous metals industry. We signed an agreement on Modern Apprenticeship Jiangxi Copper Class with the community member unit Jiangxi Metallurgical Vocational and Technical College to achieve accurate matching of talent demand and education supply. We have sent a total of 21 mentors to the College for on-site teaching, and has trained a total of 263 talents under the modern apprenticeship mechanism, with more than 80 of them now working with us.

Industry Exchange

Adhering to the concept of building a community featuring cooperation, exchange, mutual benefit and win-win outcome, and under the development orientation of becoming a "world-class enterprise", we proactively participated in 5 international exhibitions such as the Shanghai International Copper Exhibition, China Green Mining Expo, Shenzhen High-Tech Fair in 2024, and participated in scientific research results exchange activities centered on the industrial chain such as the China Copper Industry Science and Technology Innovation Conference, promoted the collision of our high-level talents with more science and technologies, and continuously enhanced the brand influence of Jiangxi Copper with high-quality and excellent products.

The "6N High-Purity Copper Project" Won the "Excellent Scientific Research Achievement Innovation Award" at the High-Tech Fair

In November 2024, the 26th China International High-Tech Fair opened, with nearly 5,000 well-known companies and international organizations from more than 100 countries and regions around the world participating in the Fair. The "6N High-Purity Copper Project", with our self-produced 4N (with a purity of 99.99%) Grade A copper as raw material, produced high-purity copper with a purity of 99.9999% in one step through an industry-leading short- process and high-efficiency refining method. After fierce competition and professional review, the project stood out from many projects and won the Outstanding Scientific Research Achievement Innovation Award.



Hosted the 3rd China Copper Industry Science and Technology Innovation Conference

In June 2024, we co-hosted the 3rd China Copper Industry Science and Technology Innovation Conference in Yingtan. Our leader delivered a speech at the opening ceremony. At the conference, we exchanged the latest scientific research results on promoting the copper industry in mining, selection, smelting and processing.



The Copper Foil Company has Won Two Honors in the China Electronic Materials Industry Innovation and Development Conference for Five Consecutive Years, Namely "Top 50 Enterprise in China's Electronic Materials Industry" and "Top 10 Enterprise in Electronic Copper Foil Materials".

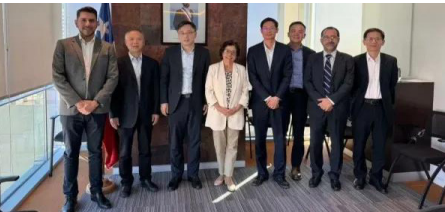
In July 2024, Jiangxi JCC Copper Foil Technology Co., Ltd. was invited to participate in the 2024 China Electronic Materials Industry Innovation and Development Conference, and won the two honors of the Top 50 Enterprises in the Fifth Comprehensive Ranking of China's Electronic Materials Industry and Top Ten Enterprises in the Electronic Copper Foil Materials Field In the Fifth Ranking of China's Electronic Materials Industry for the fifth consecutive year.

At the conference, around the development momentum of new energy vehicles and artificial intelligence, the Copper Foil Company exchanged ideas on continuing to strengthen the research and development and innovation of high-end copper foil, proactively promoting academic innovation, technological progress and industrial development in the domestic and foreign electronic materials industry.



Visited and Exchanged Ideas with Senior Mining Executives from Brazil and Chile

From March 7 to 16, 2024, our leaders led a delegation to visit Brazil and Chile, and held mutual visits and exchanges with senior executives of the global mining industry; focusing on the theme of overseas resources and smelting project investment and cooperation, they held talks with Vale of Brazil, the Ministry of Mines of Chile, Antofagasta Minerals, National Copper Corporation of Chile, National Mining Corporation of Chile, Chile Copper and Mining Research Center, etc., and conducted in-depth surveys of Chilean smelting project factories and copper mines, and fully learned about the current status of resource development and copper smelter development in South America, laying the foundation for accelerating Jiangxi Copper's international strategic layout in South America and promoting resource risk exploration, copper resources and smelting project cooperation.



Meeting with Chilean Minister of Mining



Cooperation Agreement Signing Ceremony for Jiangxi Copper-Chile Copper and Mining Research Center

Jiangxi Copper Huadong Electrical New Material Technology Co., Ltd.al New Material Technology Co., Ltd. participated in the Thailand New Energy Vehicle Industry Conference

From September 26 to 27, 2024, the 2nd Southeast Asia-China New Energy Vehicle Industry Conference was held in Bangkok, Thailand. Jiangxi Copper Huadong Electrical New Material Technology Co., Ltd. displayed its enameled flat copper wire, enameled round copper wire, copper foil and other products. This exhibition is a grand event in the field of new energy vehicles, attracting many well-known companies and industry experts from home and abroad. With its high-quality enameled wire products, Jiangxi Copper Huadong Electrical New Material Technology Co., Ltd. demonstrated its excellent products and advanced technologies in the field of new energy vehicles, becoming one of the highlights of the conference.



Industry Chain Collaboration

With the "circle of friends" for scientific research as our support, we integrated resources from universities, research institutes, and enterprises, gave full play to the advantages of efficient flow and allocation of resources such as industrial chain enterprises, think tanks, and academic ecosystems, formed an innovation consortium for scientific and technological innovation and chain upgrades in the non-ferrous metals industry, and promoted high-quality development of the industrial chain.

In-depth Investigations and Researches on the Industry Chain

In 2024, we conducted in-depth industry investigations and researches, and went to Ningbo, Yingtan and other places to conduct surveys together with Beijing Antaike Information Co., Ltd., which focuses on non-ferrous metal industry researches, to clarify the current status of industry development and key common issues, and formulated the *Research and Analysis Report on Copper Industry in Jiangxi Province*.

Supporting the Application of Industrial Chain Clusters

During the reporting period, we participated in supporting the surveys on "Industrial Base Innovation and Development Catalog" project and "High-end Equipment in the Nonferrous Industry" project of the Chinese Academy of Engineering, providing decision-making support for major national strategic needs; at the same time, we fully responded to the *1269 Action Plan for Modernization of Key Industrial Chains of Manufacturing Industry in Jiangxi Province (2023-2026)*, and proactively participated in the application for being listed as national advanced manufacturing clusters, helping Jiangxi's "Copper-based New Materials Cluster in Fuchang, Yingrao" to be selected into the list of national advanced manufacturing clusters, and leveraging clusters to foster synergy to promote the high-end, intelligent and green development of Jiangxi's copper industry chain.

An aerial photograph of a mountain landscape. The mountain is covered in dense forest with trees showing vibrant autumn colors of red, orange, and yellow, interspersed with green. A light-colored, winding road snakes through the forest on the right side of the image. At the bottom of the image, there are decorative wavy lines in white and blue, creating a modern, graphic look.

Putting Green Development First to Create a Sustainable Future

Jiangxi Copper adheres to the concept of green development, proactively responds to China’s strategy of carbon peaking and carbon neutrality, and is committed to building a low-carbon, efficient and sustainable production and operation system. We have formulated a strategic planning for carbon neutrality, promoted low-carbon technology and energy optimization, strictly controlled carbon emissions, and formulated industry standards. We have established a comprehensive environmental management system to ensure that emissions meet standards, strengthen environmental data monitoring, and improve management levels. In energy resource management, we implemented energy conservation and consumption reduction, promoted the application of clean energy, optimized processes, reduced energy consumption, and supported sustainable development. We realized resource conservation and ecological protection through construction of green mines and factories and research and development of green technologies. We also promoted green office, procurement, construction and other measures, strengthened the green supply chain, participated in green exhibitions, promoted green concepts, practiced green responsibilities in all aspects, and helped achieve national strategic goals.

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Putting Green Development first to Create a Sustainable Future

Response to Climate Change⁷

I Carbon Neutrality Strategy and Governance

Jiangxi Copper proactively responds to China's strategy of carbon peaking and carbon neutrality and follows the *Strategic Planning of Jiangxi Copper Group Co., Ltd. for Carbon Peaking and Carbon Neutrality* formulated by its controlling shareholder Jiangxi Copper Group. Guided by clear-cut emission reduction goals and action paths, we demonstrated our responsibility and commitment to promoting green transformation through a series of measures such as optimizing energy structure, promoting circular economy and green production, innovating low-carbon technologies, ecological reclamation, and strengthening carbon emission management. In 2024, we continued to promote the implementation of energy-saving measures and projects in accordance with the Group's strategic goals and promote the application of advanced adaptive technologies. No major adjustments were made to specific goals and strategic directions.

The Overall Goal of Carbon Peaking and Carbon Neutrality

- By 2025**, our energy efficiency level and carbon emission intensity will reach the domestic industry-leading level, comprehensive energy consumption for RMB 10,000 of output value will be reduced by 18% compared with 2020, and carbon emissions per RMB 10,000 of output value will be reduced by 20% compared with 2020.
- By 2030**, our smelting energy efficiency level and carbon emission intensity will reach the international advanced level, and we strive to achieve carbon peaking in 2029.
- By 2060**, we will fully realize green, low-carbon and circular development, reach the world's leading carbon emission levels, and become a leader in low-carbon development of the global nonferrous industry chain.

Low-Carbon Technology Innovation

- Carry out technical researches on zero-carbon smelting, intelligent manufacturing, and comprehensive recycling of resources.
- Promote the application of green hydrogen smelting and ultra-low emission equipment, and improve the green technology level of the industrial chain.

Optimizing Energy Structure

- Accelerate the promotion of clean energy substitution and gradually reduce the consumption of fossil energy such as coal, coke and heavy oil.
- Increase the proportion of green electricity use, utilize renewable energy for electricity generation, and achieve low-carbon energy consumption.

Circular Economy and Efficient Utilization of Resources

- Improve the comprehensive utilization efficiency of resources such as tailings and smelting by-products, and promote the recycling of "three wastes".
- Develop urban minerals, enhance the recycling and regeneration capabilities of waste non-ferrous metals, and improve resource sustainability.

Carbon Emissions Monitoring and Management

- Establish a complete carbon emissions measurement, monitoring and management system to ensure that carbon emissions are traceable and verifiable.
- Emission-controlled enterprises and reporting enterprises shall regularly prepare carbon emission monitoring plans and accept government supervision and third-party verification.

Green Supply Chain Management

- Promote upstream suppliers and downstream customers to jointly reduce carbon emissions and build a low-carbon supply chain.
- Carry out green product ecological design, improve the low-carbon level of copper processing products, and meet the needs of low-carbon industries such as new energy vehicles and new energy power grids.

Carbon Trading and Financial Innovation

- Proactively participate in carbon market transactions, optimize carbon asset management, and improve the efficiency of carbon quota utilization.
- Research carbon financial instruments, promote carbon credit trading, and explore innovative financing methods such as green bonds and carbon futures.

Ecological Carbon Sequestration and Carbon Sink Development

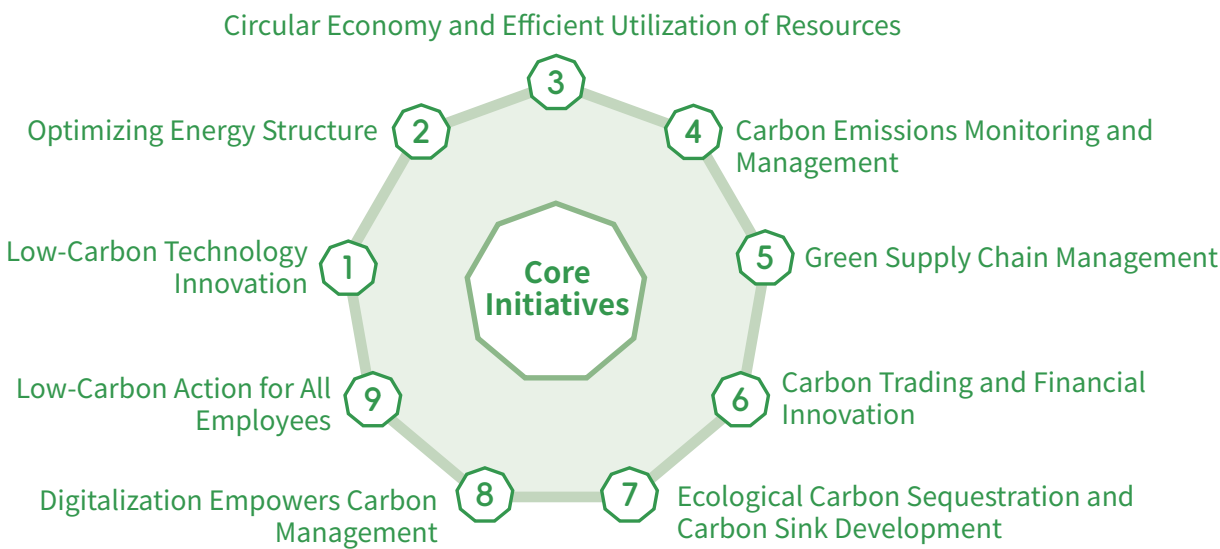
- Through measures such as mine ecological restoration and afforestation, carbon sink reserves can be increased and carbon emissions can be offset.
- Develop forestry carbon sinks and tailings ponds ecological restoration project to achieve coordinated advancement of ecological environment improvement and carbon neutrality goals.

Digitalization Empowers Carbon Management

- Promote the application of industrial Internet, big data, and artificial intelligence in carbon management, and build intelligent low-carbon factories and smart mines.
- Through 5G+ smart mining, smart smelting and other technologies, the energy utilization efficiency in the production process can be improved and carbon emissions can be reduced.

Low-Carbon Action for All Employees

- Promote energy conservation and carbon reduction in office, production, logistics and other aspects, and promote paperless office and green travel.
- Strengthen low-carbon awareness training for employees, advocate a corporate culture of energy conservation and emission reduction, and form a consensus on green and low-carbon development.

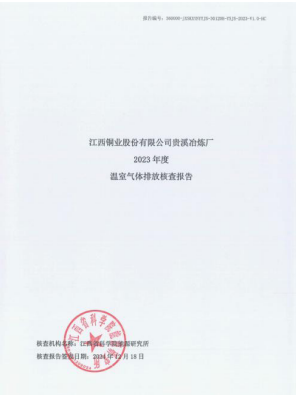


⁷ In accordance with the disclosure requirements set out in Appendix C2 Code of ESG Reporting of the Main Board Listing Rules of the Stock Exchange of Hong Kong Limited, detailed climate information disclosure is provided in Appendix I "Special Report on Climate Information Disclosure".

In 2024, Jiangxi Copper Group further formulated a supporting document, *Carbon Emission Management Measures of Jiangxi Copper Group Co., Ltd. (Trial)*, to regulate carbon emission monitoring and accounting, carbon emission and emission reduction management, carbon emission rights trading, and carbon emission information reporting. **A Leading Group for Carbon Emission Management was established**, and its office was set up in the Safety and Environmental Protection Department. The Chairman and General Manager serve as Group Leader, and the Deputy General Manager in charge serves as the Executive Deputy Group Leader, and is responsible for coordinating the implementation of the carbon neutrality strategy. We fully responded to the Group's strategic planning and arrangements, proactively strengthened the carbon management responsibilities of various departments and subordinate units, and ensured the implementation of carbon emission reduction measures.

I Greenhouse Gas Emissions Management

We follow the *Carbon Emission Management Measures of Jiangxi Copper Group Co., Ltd. (Trial)* formulated by its controlling shareholder Jiangxi Copper Group to standardize carbon emission management, verification, reporting and other tasks. **In 2024, our total greenhouse gas emissions stood at 2,199,700 tons of carbon dioxide equivalent, a year-on-year decrease of 3.85%; of which emissions falling under Scope I stood at 247,100 tons of carbon dioxide equivalent, and emissions falling under Scope II stood at 1,952,600 tons of carbon dioxide equivalent; the greenhouse gas emission intensity stood at 0.042 tons of carbon dioxide equivalent/10,000 RMB operating income.** Greenhouse gas emissions are calculated in strict accordance with *ISO 14064-1:2018 Specification with Guidance at the Organization Level for Quantification and Reporting of Greenhouse Gas Emissions and Removals, Greenhouse Gas Protocol: Corporate Accounting and Reporting Standards, Guidelines for the Accounting and Reporting of Greenhouse Gas Emissions from Other Non-ferrous Metal Smelting and Rolling Processing Enterprises (Trial)* and other international and domestic standards. During the reporting period, the Department of Ecology and Environment of Jiangxi Province organized and conducted a greenhouse gas emission verification for the Guixi Smelter and issued a verification report.



Verification Report on Greenhouse Gas Emissions in Guixi Smelter

In addition, we proactively responded to the guiding principles set out in the document *Opinions on Accelerating the Establishment of a Product Carbon Footprint Management System*, explored the construction of Jiangxi Copper's product carbon footprint management system, and organized product carbon footprint certification work. In 2024, our subsidiaries Jiangxi COPPER (Qing Yuan) Company Limited and Jiangxi JCC Copper Foil Technology Co., Ltd. carried out carbon footprint certification for cathode copper and copper foil products respectively, systematically sorting out the carbon emissions of products throughout their life cycle, and providing support for the formulation of more scientific emission reduction strategies.



Product Carbon Footprint Certification of Jiangxi Copper (Qingyuan) and Jiangxi Copper Foil



Won the "First Prize of National Nonferrous Metals Excellent Standard Award"

Part 42 of *Greenhouse Gas Emissions Accounting and Reporting Requirements: Copper Smelting Enterprises*, led by Jiangxi Copper, won the "First Prize of Excellence Award for Technical Standards by National Nonferrous Metals Standards Committee". This is the second consecutive year that the standard project led by Jiangxi Copper has won this honor. Led by Guixi Smelter, this standard referred to the ISO14064 series of international standards, solved the problem of inconsistent greenhouse gas emission accounting methods for copper smelting enterprises, provided a scientific carbon emission accounting method for the copper smelting industry, and promoted the improvement of the industry's carbon emission management level. Jiangxi Copper has achieved outstanding results in promoting standardization work, helping the non-ferrous metals industry to develop with high quality.

I Identifying and Responding to Climate Risks

We fully recognized the significant impact of climate change on its business operations and the entire value chain. Through in-depth research interviews and detailed desk research, combined with the characteristics of industry development, we comprehensively analyzed the climate risk exposure of various business activities in the entire value chain, systematically identified and assessed the climate-related risks and opportunities that we may face, and continuously improved our climate resilience through a series of effective measures.

We are increasingly attaching importance to the physical risks brought about by climate change, as well as the transition risks related to regulatory changes, laws, technologies, markets and reputation, such as the impact of extreme climate disasters on the environment, safety accidents and the normal production operations, and are taking active measures to respond. We have formulated relevant contingency plans for various meteorological disasters such as floods, typhoons, lightning, rain, snow, freezing, and high temperatures, and arranges regular inspections during the high-incidence periods of relevant meteorological disasters. For example, we arranged for flood prevention and drainage in advance during the flood season, confirmed whether the mine roads, tailings ponds and the intercepting drains of the refuse dumps were cleared and unblocked in time, etc., to improve infrastructure construction and ensure equipment safety. We have formulated emergency supply management measures for materials against principal risks to ensure supply capabilities, prevent and reduce the risk of supply interruptions caused by sudden climate disasters to the greatest extent possible, and improve the ability to respond to sudden climate disasters.

For more information on our climate risk management, please refer to "Appendix I : Special Report on Climate Information Disclosure".

Environmental Management System

I Green Development Strategy

In order to achieve the strategic goal of continuing to lead the development of China's copper industry and initially building a world-class enterprise with global core competitiveness, we have put into place a framework-based special guarantee mechanism for green production safety and low-carbon environmental protection guarantee in accordance with the Three-Year Scheme for Further Improvement Regarding High-Quality Development. In terms of management system construction, we proposed to aim to improve the quality of the ecological environment and promote green development, prioritize institutional innovation, institutional supply, and pattern exploration to strengthen the promotion and operation of the management system featuring integration of three standards. In terms of business development and innovation, we proposed to develop comprehensive services such as wastewater prevention and control, waste gas prevention and control, comprehensive utilization of solid wastes, and ecological restoration of mines, vigorously build green mines and green factories, and create green design demonstrations for industrial products. In terms of energy conservation and carbon reduction, we proposed to continue to carry out actions such as industrial carbon reduction, energy carbon reduction, technological decarbonization, institutional carbon control, ecological carbon sequestration, and low-carbon life style, benchmark against internationally advanced players in terms of comprehensive energy consumption for RMB 10,000 of output value and carbon emission intensity, promote the research and development and application of green and low-carbon technologies, and form a green and low-carbon development pattern. **In 2024, we invested a total of RMB 404 million in ecological and environmental protection.**

I Environmental Governance Structure

We followed the *Eco-Environmental Protection Management Measures* of our controlling shareholder Jiangxi Copper Group, clarified the management responsibilities and work objectives of ecological environment protection, and established a complete ecological environment protection management framework to ensure the coordinated development of production and environmental protection. We adhered to the principles of "protection first, prevention first, and comprehensive management", promoted clean production and circular economy, implemented environmental pollution control and ecological restoration, and advanced the innovation and application of environmental protection technologies based on actual conditions.

We have established a Leading Group for Ecological and Environmental Protection, which holds a regular meeting every quarter to coordinate and supervise the overall ecological and environmental protection work; the Safety and Environmental Protection Department assumes the responsibilities of the Office of the Leading Group, is responsible for the supervision and management of the entire ecological and environmental protection process, and guides and supervises the subordinate production and operation units to carry out ecological and environmental protection work; the subordinate production and operation units implement the responsibility system featuring "those who manage development must also manage environmental protection, and those who manage production must also manage environmental protection", and are responsible for the comprehensive and integrated management of their ecological and environmental protection work to ensure they are environmentally legal and compliant.

I Environmental Management System

We strictly abide by the *Environmental Protection Law of the People's Republic of China* and the China's policies and guidelines on ecological environmental protection, proactively carry out ecological environmental governance activities, establish and improve the environmental system, and have obtained the ISO14001 environmental management system certification.

Environmental Protection Responsibility System

We formulate and issue the *All-Staff Safety and Environmental Protection Responsibility System* to implement the environmental protection responsibilities, clarify the environmental protection responsibilities of employees at all levels and positions, and form a complete environmental protection responsibility network system with our safety and environmental protection responsibility system.

Goals and Performance Appraisal

We have formulated the *Appraisal Program for Ecological and Environmental Protection Responsibility Targets and the Measures for the Assessment of Rewards and Punishments for Ecological Environmental Protection* to clarify environmental protection goals and conduct regular assessments of the environmental protection performance of each unit. The assessment content includes sudden environmental incidents, pollutant emissions, resource utilization and other aspects, and rewards and punishments are given based on the assessment results. Outstanding units will be rewarded, and units that do not meet the standards will be required to make corrections. The implementation of performance appraisal and reward and punishment mechanisms ensures the effective implementation of environmental protection measures.

Platform Construction and Operation

We proactively promoted the use of emerging technologies such as big data to empower environmental governance, developed and operated safe and environmental protection management systems, and realized the systematic integration of multiple functions such as environmental target management, environmental information sharing, risk investigation, online monitoring, emergency and accident management, key area management, hazardous materials management, environmental protection ledgers and archives management, task assignment and assessment, which has greatly promoted our efficient environmental governance and digital transformation. Relying on the digital platform, we have achieved real-time monitoring and management of environmental data, strengthened the early warning mechanism for environmental risks, effectively supported the collection and analysis of our environmental data, and provided a scientific basis for decision-makers.



Environmental Management System Certification

I Environmental Risk Management

In terms of environmental risk identification

We sorted out important environmental factors and major hazardous sources under its control, strictly monitored and controlled potential environmental risks, and took effective measures to proactively respond to them. At the same time, we conducted risk ratings on possible environmental incidents and predicted the scope of impact and consequences for each of our subordinate production and operation units, implemented graded environmental risk management, and ensured that environmental hazards in high-risk areas and positions were promptly detected and dealt with.

In terms of environmental risk identification

We conducted environmental supervision and inspection on a regular basis, thoroughly investigated various environmental hazards, made timely rectifications, and prevented environmental risks to ensure legality and compliance throughout the entire production life cycle. In 2024, we and our subordinate units conducted more than 40 environmental protection inspections and found more than 400 potential hazards. All problems were rectified on time and in full, **with a rectification completion rate of 100%.**

Environmental Inspections Carried Out by Subordinate Units

In 2024, all of our subordinate units proactively carried out environmental protection inspections, effectively eliminated potential environmental risks, and ensured the efficient implementation of environmental management work in the mining area.

Dexing Copper Mine conducted 4 quarterly inspections, found a total of 158 problems, and achieved a 100% rectification completion rate, effectively improving the level of environmental protection management.

Wushan Copper Mine conducted four special inspections on environmental protection equipment and hazardous chemicals management to identify safety risks and ensure the normal operation of the facilities. Through these inspections, a total of 6 problems were discovered and resolved, all potential hazards were dealt with in a timely manner, and the safety management and prevention and control capabilities of environmental protection facilities were strengthened.

Guixi Smelter organized more than ten special and comprehensive environmental protection inspections, focusing on environmental online monitoring facilities, hazardous waste management and environmental protection work in important periods. A total of 35 potential hazards were discovered and rectified. All problems were resolved on time, and the control level of environmental protection indicators was continuously optimized.



In terms of environmental risk response

Our subordinate production and operation units have formulated and filed environmental pollution contingency plans in accordance with the *Emergency Management Measures for Environmental Emergencies*. We have established and improved response mechanisms for sudden environmental protection accidents, constructed an environmental incident emergency rescue system, ensuring that rapid and effective response measures can be taken when sudden environmental incidents occur, to the greatest extent possible protect the safety of personnel, the environment, and property, and minimize the impact of environmental accidents. **During the reporting period, we and our subsidiaries conducted more than 33 environmental emergency drills, covering approximately 750 people**, thus having strengthened the emergency response capabilities of employees, improved the emergency management competence, and effectively enhanced our capabilities to prepare for and prevent environmental risks.

Environmental Emergency Drills Carried Out by Subordinate Units

In 2024, our subordinate units organized environmental emergency drills from time to time based on production and operation conditions, effectively improving employees' emergency response capabilities in response to sudden environmental incidents and ensuring the environmental safety management level of the mining area.



- Dexing Copper Mine conducted 18 environmental emergency drills in 11 secondary units, including mining sites, Dashan Dressing Plant, Sizhou Dressing Plant, etc., with a total of 352 people participating. The drills covered the prevention of acidic water and tailings overflow, flood prevention and flood season, etc., which comprehensively improved the employees' ability to respond to sudden environmental incidents and their competence of coordinated operations.
- In 2024, Wushan Copper Mine completed the revision and filing of the Contingency Plan for Environmental Emergencies, covering Wushan Copper Mine, the Old Tailings Pond and the Yunchikou Tailings Pond. Four environmental emergency drills were conducted throughout the year, including the flood prevention and control drill at the Yunchikou Tailings Pond, the waste mineral oil leakage drill in the hazardous waste warehouse, the radioactive source accident emergency rescue drill and the acid pond flood prevention drill, with a total of 115 people participating.



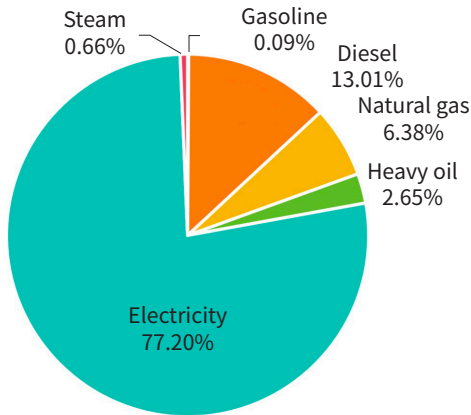
Energy Resource Management

I Energy Management and Utilization

Jiangxi Copper has established a sound energy management system, formulated clear-cut *Energy Management Measures*, and set up a Leading Group for Energy Conservation and Energy Use Rights, which is responsible for the overall work of energy management. By strengthening organizational construction, we conducted regular energy audits and verifications to ensure that energy use is compliant and efficient. In addition, we proactively promoted ISO50001 energy management system certification, continuously optimized management processes, improved energy utilization efficiency, and promoted the realization of energy conservation and consumption reduction and green production goals.



Energy Management System Certification



Energy Structure and Proportion

In 2024, our main energy structure includes electricity (77.20%), diesel (13.01%), natural gas (6.38%), heavy oil (2.65%), steam (0.66%), and gasoline (0.09%).

In terms of energy conservation and consumption reduction, we formulated the *Implementation Measures for Assessment of Energy Conservation and Consumption Reduction in 2024*. Based on the current energy consumption characteristics, we proactively promoted green energy transformation, and continuously improved energy utilization efficiency through delicacy management and technological innovation, reduced the proportion of fossil energy consumption, continuously optimized energy structure and lowered the level of energy consumption. **In 2024, our total energy consumption stood at 554,985.46 tons of standard coal, a decrease of 2.61% from last year.** We proactively encouraged our subordinate units to formulate energy substitution plans and explore space for energy substitution. During the reporting period, units such as Guixi Smelter and Dexing Copper Mine used a total of 48.7616 million cubic meters of natural gas, replacing approximately 81,200 tons of standard coal and reducing carbon emissions by approximately 51,200 tons.

In addition, we continued to strengthen energy-saving technology transformation and equipment management, proactively promoted energy-saving demonstration projects, advanced the application of new energy-saving equipment, new materials, and new technologies, optimized the operation of high-energy-consuming equipment, and improved energy utilization efficiency. For example, magnetic suspension and air suspension fans were used in Chengmenshan Copper Mine, Yinshan Mine, Dexing Copper Mine and Yongping Copper Mine to replace traditional fans to reduce energy consumption.

Effectiveness of the Company's Energy Saving and Consumption Reduction Practices

- All 3,583 high-energy-consuming motors in service have been eliminated, with an estimated annual electricity saving of 24.9014 million kWh.
- Dexing Copper Mine expanded its investment in new energy equipment in 2024, replacing 16 fossil fuel vehicles with new energy vehicles, and added 4 120-ton pure circuit material trucks and sprinkler trucks, further reducing energy consumption.
- Guixi Smelter's efforts to promote suspended blower has achieved remarkable energy-saving effect. Many units have updated to suspended blowers. Among them, Dexing Copper Mine is expected to reduce the noise level in the fan room to less than 80 decibels after the update, and the power saving rate will exceed 8%, which can save 9.58 million kWh of electricity annually.
- The energy-conservation and revamping project for the medium-speed enameling machine with an annual capacity of 10kt Jiangxi Copper Taiyi enameled wire can save 7.422 million kWh of electricity consumption every year. The energy-saving revamp of the MAG vertical high-speed enameling machine has reduced electricity consumption from 1,500 kWh/ton before the revamp to 950 kWh/ton after the revamp. After the revamp, the electricity consumption can be saved by 82,500 kWh per month, and by 990,000 kWh per year.
- The energy-saving revamp of the DC power supply system of the secondary system of the Guixi Smelter electrolysis workshop is expected to save 100 kilowatts of energy per system and 3.5 million kWh of electricity.

In terms of clean energy, we proactively responded to the national and local governments' demands for the consuming and accepting power from renewable energy power, promoted the application of clean energy, proactively consumed and accepted green electricity, continuously increased the proportion of green electricity use, and effectively promoted green production. In 2024, Jiangxi JCC Copper Foil Technology Co., Ltd. consumed 30.08 million kWh of green electricity and 2.82 million kWh of photovoltaic power throughout the year. Green energy accounted for 11.30%, an increase of 1.30% over the previous year. In addition, we continued to expand our own renewable energy installed capacity. In 2024, the Copper Foil Phase IV Project and Longchang Copper Pipe Factory Rooftop Photovoltaic Power Generation project were connected to the grid for power generation, adding 1.20MWp of photovoltaic power generation capacity. **During the reporting period, our overall clean energy usage was 102.057 million kWh, accounting for 2.26%.**

Water Resources Management and Utilization

Water resources, as a key element in the production process, are vital to sustainable development. We mainly rely on surface water, recycled water and municipal water as water sources to ensure the supply and utilization of water resources in the production process. In order to optimize water resource management, we have implemented a number of internal initiatives, including strengthening the recycling of water resources, improving the efficiency of water treatment facilities, and implementing water-saving technology transformation. Through these measures, We have significantly improved the efficiency of water resource utilization, effectively reduced water consumption, and continuously promoted the goal of green production.

During the reporting period, our total water consumption was 1,062,023,700 tons, added water consumption was 35,950,800 tons, recycled water consumption was 1,026,011,500 tons, and the industrial water reuse rate reached 96.61%.

Intelligent Revamp Project for Drainage System of the Drainage Pump Room in Yongping Copper Mine

In 2024, Yongping Copper Mine completed the intelligent revamp of the 200-meter underground drainage pump room. The project realized the intelligent operation of the main drainage system by installing sensors and electric valves such as pressure, liquid level, flow, temperature, etc. After the revamp, the system can automatically reduce peak loads and fill valleys, reduce energy consumption, and optimize drainage methods to improve efficiency and stability. The new system also has energy consumption self-assessment and fault self-diagnosis functions, supports intelligent alarm and drainage statistical analysis, and has improved the safety and efficiency of equipment operation and maintenance. This revamp project has not only improved production efficiency and saved energy costs, but also significantly enhanced the intelligent management level of the drainage system.

Management and Utilization of Mineral Resources

Mineral Resources Management

In terms of mining rights management, our company, according to laws and regulations such as the *Mineral Resources Law of the People's Republic of China*, implements the strategy of ecological civilization, and formulates and promulgates the *Mining Rights Management Measures of Jiangxi Copper Co., Ltd.* to promote the comprehensive utilization and reasonable development of mineral resources in the mines it belongs to and ensure the security of energy resources.

In terms of mine excavation, our company, according to the *Management Measures of Mining (Stripping) Technical Plan of Jiangxi Copper Co., Ltd.*, controls reasonable excavation, ensures the balance of ore production, reduces mining loss rate and ore dilution rate, improves ore dressing recovery percentage, which achieving efficient recovery and comprehensive utilization of mineral resources.

In terms of green exploration, our company, according to *Specification for Solid Mineral Exploration (GB/T 33444-2016)*, *Specification for Green Geological Exploration (DZ/T 0374-2021)* and other related requirements, released the *Measures for the Administration of Geological Exploration Projects of Jiangxi Copper Co., Ltd.* to ensure the continuous, green and healthy development of company's geological exploration, promote the implementation of resource strategies, improve the category of resource reserves, and improve the comprehensive utilization of resources.

Tailings Management and Utilization

Jiangxi Copper has always adhered to the principles of "reduction, resource utilization, harmlessness and reuse" in tailings management, and is committed to the efficient management and resource utilization of tailings. Currently, we have 5 operating mines⁸ and eight tailings ponds in use. The tailings slurry is transported to tailings ponds for storage by gravity or pressurization. Among them, Dexing Copper Mine 4# and 5# tailings ponds use the centerline method to build the dam, while the other tailings ponds use the upstream method or one-time dam construction method. All tailings ponds comply with the requirements of the *Pollution Control Standards for Storage and Disposal Sites of General Industrial Solid Wastes* (GB18599-2001), and the tailings storage facility management specifications. **During the reporting period, we generated 37.6 million cubic meters (53.419 million tons) of tailings and stored 29.51 million cubic meters (41.91 million tons). As of the end of 2024, our total storage capacity of tailings ponds stood at 2.141 billion cubic meters, of which Dexing Copper Mine's 4# tailings pond and 5# tailings pond stood at 835 million cubic meters and 1.031 billion cubic meters respectively; the tailings storage volume of tailings ponds reached 1.027 billion cubic meters (1.458 billion tons).**

We continued to promote the comprehensive utilization of tailings resources, achieves tailings reduction and harmlessness by improving the recycling rate of tailings resources, proactively promoted the implementation of the circular economy concept, and ensured the maximum utilization of resources. **During the reporting period, our tailings recovery rate stood at 40.26%.**

⁸ Dexing Copper Mine, Yongping Copper Mine, Wushan Copper Mine, Chengmenshan Copper Mine, and Yinshan Mining Company.

Our Tailings Recycling

Indicator	Unit	2024 Annual Data
Total Amount of Tailings Produced	10,000 tons	5,341.90
Comprehensive Utilization Volume of Tailings	10,000 tons	2,150.60
Of which: Tailings Filling	10,000 tons	334
Building Materials Made from Tailings	10,000 tons	214.84
Tailings Sulfur Beneficiation	10,000 tons	271.64
Tailings Utilization	10,000 tons	1,330
Copper and White Tungsten Tailings Selection	10,000 tons	1,250
Tailings Recycling Rate	%	40.26%

The Main Achievements of Recovering Copper from Tailings

Dexing Copper Mine uses CGF-40 mechanical stirring coarse particle high-efficiency flotation machine, which can recover about 1,000 tons of copper metal per year (copper concentrate grade greater than 15%). In addition, Dexing Copper Mine uses a 680 cubic meter ultra-large flotation machine to recover copper resources in tailings, increasing the copper recovery rate by more than 1.36%, and recovering approximately 260 tons of copper metal each year.

The Main Achievements of Recovering Sulfur from Tailings

Our main mines have successively upgraded and renovated the flotation system, promoted low-alkalinity copper-sulfur differential flotation processes to improve efficiency. The sulfur recovery rate in tailings has increased from 44% to 61%, and 3.46 million tons of standard sulfur can be recovered every year. At present, the sulfur content in the tailings of Dexing Copper Mine, Yongping Copper Mine, and Chengmenshan Copper Mine has been reduced to less than 0.4%, which has reduced the degree of acidification of the tailings and provided prerequisites for high-value utilization of the tailings.

Main Achievements of Recovering Scheelite from Tailings

Yongping Copper Mine adopted combined magnetic-gravity-flotation-gravity beneficiation process to recover scheelite resources from tailings. The project can recover 450 tons of tungsten concentrate (65% WO3) every year.

Building Materials Made from Tailings

Tailings of Chengmenshan Copper Mine are used as raw materials to produce building materials, achieving waste-free mining in the Mine. The Wantong Project has a designed processing capacity of 2.5 million tons per year, thus being capable of consuming all tailings.

Tailings for Filling

Cemented filling of tailings refers to a production process in which the tailings pulp is graded by a whirlcone, and coarse sand and cement are mixed in a certain proportion to fill goafs under the shaft; Yongping Copper Mine utilizes 700,000 tons of tailings per year.

Full-size tailings were adopted for full-tailings paste filling, which can reduce the amount of tailings stored in the tailings ponds and extend the service life of tailings ponds; Wushan Copper Mine utilizes 1 million tons of tailings per year, and Yinshan Mine underground mining project with a need of 8,000t/d full tailings paste filling utilizes 1.34 million tons of tailings per year.

I Land Resource Management and Utilization

Our company strictly adheres to the *Land Management Law of the People's Republic of China* and other national land laws and regulations to ensure the compliant use of land resources. To strengthen land resource management, we established the *Land Management Measures of Jiangxi Copper Co., Ltd.*, implementing a management principle that equally emphasizes land resources and land assets, and enhancing the capital efficiency of land assets. Our company established a comprehensive land management system, strengthened land use and reserves, actively promoted the revitalization and reuse of land, ensuring the efficient use and sustainable development of land resources. In addition, our company is also committed to advancing the construction of the "One Map" for cadastral red lines, further optimizing land boundary management, ensuring the compliance of land for project construction, and continuously improving the efficiency of land resource utilization.

In terms of land reclamation and management, Jiangxi Copper has always adhered to the principle of "who damages, who reclaims," conducting land reclamation work in accordance with laws and regulations, and fulfilling the responsibility of ecological restoration. We promote land reclamation through two main methods. First, conventional ecological greening, which involves soil restoration and vegetation recovery after the use of mining or industrial land has ended, thereby improving the ecological environment. Second, land reclamation and vacating construction land quotas, which involves applying for ecological restoration projects and implementing them according to the reclamation design standards after the use of land has ended. After passing the inspection by relevant departments and completing the land type change, an application is made to the provincial department of natural resources for the land quotas to be registered in the vacated construction land pool. These measures have effectively promoted environmental protection and the rational utilization of land resources, advancing the realization of sustainable development goals.

I Packaging Material Management and Utilization

We are fully aware of the importance of packaging material management. Reasonable management of packaging materials can not only reduce resource waste, but also reduce environmental protection costs. **During the reporting period, our main product packaging material was wood, with a consumption of 5,653 tons.**

In addition, we also set requirements and specifications for suppliers' packaging materials to promote the sustainable use of packaging materials in the supply chain. For example, the purchase contract for mineral processing agents clearly stipulates that the packaging must comply with transportation, storage and environmental protection requirements, and the outer packaging must be kept intact to ensure that product quality is not affected; the contract also clearly stipulates that if the packaging needs

to be recycled, the supplier should recycle it free of charge and ensure that the recycling and disposal comply with national environmental protection laws and regulations. In 2024, Jiangxi Copper recycled 35,915 mineral processing agent packaging barrels through suppliers, successfully reducing hazardous waste treatment costs and saving packaging costs for suppliers, further promoting the recycling and environmental management of packaging materials.

Emissions Management

I Compliant Emissions

Jiangxi Copper has always strictly abode by national and local environmental protection laws and regulations, including the *Environmental Protection Law of the People's Republic of China*, *Air Pollution Prevention and Control Law of the People's Republic of China*, *Water Pollution Prevention and Control Law of the People's Republic of China*, *Solid Waste Pollution Prevention and Control Law of the People's Republic of China*, *Regulations on Pollution Discharge Permit*, etc., and strengthened emission monitoring and control measures to ensure compliance with waste gas, wastewater and solid waste emissions. **In 2024, all units have obtained pollutant discharge permits or registered for pollutant discharge permits, and the total emissions of major pollutants are lower than the limit values.** In addition, in terms of environmental monitoring, we have formulated a monitoring plan applicable to each production and operation unit in accordance with the relevant requirements such as the *Measures for the Self-Monitoring and Information Disclosure by the Enterprises subject to Intensive Monitoring and Control of the State* and the *Technical Guidelines for Self-Monitoring of Pollutant Discharging Units*. We strictly implement the online pollutant monitoring management system by combining the installation of online monitoring devices and the establishment of environmental monitoring stations in key environmental monitoring units such as mines and smelters, and upload the monitoring data to the supervision platform. **During the reporting period, the online monitoring data compliance rate of each of our production and operation units stood at 100%.**

I Wastewater Discharge and Disposal

We set up sewage outlets in strict accordance with laws, regulations and the requirements of ecological and environmental protection authorities at all levels. We continued to improve the clean and sewage diversion project, optimized water-saving processes, increased the reuse rate of industrial water, and reduced wastewater discharge. In 2024, our water pollutant emission concentration was far lower than the national standard, which will comprehensively promote the efficient use of water resources and contribute to green and sustainable development. **During the reporting period, our wastewater discharge volume (including process drainage and treated sewage) was 47,832,800 tons.**

Wushan Copper Mine Completed the Researches on Key Technologies for Industrial Application of Drainage Softening

Wushan Copper Mine completed the "Key Technology Researches on Industrial Application of External Drainage Softening" in 2024. The project uses ion exchange to treat external drainage and reuse it in production. This technology improves the recycling rate of water resources, reduces the use of new water from the Nanyang River, saves RMB 0.18-0.32 per ton of water, and is expected to save RMB 183,600-326,400 in costs throughout the year. At the same time, the project effectively alleviates the impact of the seasonal dry-up of the Nanyang River on mining production, ensures the stable operation of the enterprise, and makes positive contributions to environmental protection and sustainable use of water resources.

Wastewater Pollutant Discharge

Indicator		Unit	2024 Annual Data
Emission Factor	COD	Ton	1,106.34
	Ammonia Nitrogen	Ton	68.08
	Suspended Solids	Ton	988.65
	Copper	Kilogram	958.51
	Zinc	Kilogram	4,134.59
	Lead	Kilogram	871.51

I Waste Gas Emission and Disposal

We have implemented strict management measures for waste gas emissions and disposal. In the production process, we effectively reduced waste gas emissions by optimizing processes, adopting clean energy and high-efficiency desulfurization and dust removal equipment, and strengthened dust control to promote the reduction of atmospheric pollutants. In the emission process, we set up emission outlets in accordance with national regulations and conducts real-time monitoring to ensure that emissions meet standards. In the processing stage, we adopted centralized collection and purification technology to ensure that the waste gas is effectively treated and the emission of dust and harmful gases is controlled. **During the reporting period, our emission indicators of major air pollutants were significantly lower than the national emission standards.**

Air Pollutant Emissions

Indicator		Unit	2024 Annual Data
Emission Factor	Oxynitride	Ton	62.68
	Sulfur Dioxide	Ton	774.95
	Particulate Matter (PM)	Ton	43.53

I General Waste Disposal

We adhere to the principles of "reduction, resource utilization and harmlessness" in waste disposal. We minimized waste generation by optimizing production processes and increasing resource recovery rates. At the same time, we promoted the resource utilization of waste, converted recyclables into production raw materials, ensured the harmless treatment of waste, prevented environmental pollution, and continuously promoted green development.

Disposal of General Solid Wastes

Indicator		Unit	2024 Annual Data
General Wastes	Waste Rock	10,000 tons	9,506.38
	Tailings	10,000 tons	5,341.90
	Others	10,000 tons	38.56
Comprehensive Utilization Rate of General Wastes	Waste Rock	%	12.13
	Tailings	%	40.26
	Others	%	0

I Disposal of Hazardous Chemicals and Hazardous Wastes

In terms of management of hazardous chemicals, based on documents such as the *Catalog of Hazardous Chemicals and the Catalogue of Highly Poisonous Substances*, we actively carried out harmful factor analysis, identified and formulated a list of hazardous chemicals and a list of major hazard sources of hazardous chemicals. For the use, storage, loading and unloading, and transportation of hazardous chemicals we continuously strengthen the potential hazards investigation, rectification, and emergency management mechanisms to ensure that all operations comply with safety and environmental protection standards, minimizing the risks associated with hazardous chemicals as much as possible.

In terms of management of hazardous wastes, we identified hazardous wastes according to the *National Catalog of Hazardous Wastes* and collected, stored, transferred and disposed of hazardous wastes legally and compliantly in accordance with the *Pollution Control Standards for Hazardous Waste Storage* and other requirements. For hazardous wastes with different characteristics, we select appropriate storage methods and take measures to prevent leakage and dispersion, ensuring the safety and effectiveness of the wastes treatment process. Hazardous wastes are transferred to qualified disposal units, with strict control measures to prevent the occurrence of secondary pollution. In 2024, we generated a total of 61,600 tons of hazardous wastes, all of which were effectively managed and controlled without observing any safety accidents.

Green Production

I Green Mines

Green mine construction is a key measure to promote the sustainable development of the mining industry and an important way to achieve ecological civilization construction. Jiangxi Copper has always adhered to the development concept of "Green Water and Lush Mountains are Invaluable Assets". With the goal of rationally coordinating resource development, environmental protection and economic benefits, we are committed to building a new model of green mining development that is economical, efficient, environmentally friendly, and harmonious between mines and the local communities. We have incorporated green mine construction into our strategic planning. Each quarterly production and operation meeting requires each unit to report on green development achievements and proactively participate in the formulation of industry standards to ensure continuous optimization of green mine construction. **As of 2024, our 3 mines, Yinshan Mine Mining, Wushan Copper Mine, and Chengmenshan Copper Mine, have been rated as national green mines.**

Green Mining Model - Wushan Copper Mine

Wushan Copper Mine aims to "build a domestic benchmark shaft mining mine" and adheres to the concept of safe, green and efficient development. It continues to optimize and upgrade in the areas of comprehensive resource utilization, energy conservation and carbon reduction, ecological restoration, and green technology to create a modern green mine demonstration.

In terms of green environmental protection, during the ore transportation process, special water sprinkling and dust removal equipment is installed along the belt conveyor to ensure that there is no dust in the ore transportation process and achieve clean transportation. The unloading point and ore storage bin are equipped with water sprinkling and dust prevention facilities to effectively reduce dust during the unloading process. The mining area also has a special car wash station to wash transport vehicles and keep the environment clean.

In terms of energy conservation and consumption reduction, Wushan Copper Mine has established a three-level energy management network (mine, workshop, and work section), formulated an energy-conservation management system, and established an energy-saving management network. By using information technology to collect statistics and manage the energy consumption of the entire mine, it has achieved the goal of efficient energy conservation and carbon reduction.

In terms of circular economy, Wushan Copper Mine has explored a set of advanced mining and mineral processing technologies that are adapted to the ecological and environmental characteristics of the mining area, achieving efficient development and recycling of resources. In 2024, the comprehensive utilization rate of co-existing mineral resources reached 82.50%, reflecting the principles of "reduction, resource utilization and reuse".

In terms of scientific and technological innovation, Wushan Copper Mine has been continuously carrying out technological transformation, promoting mechanization, automation, informatization, and intelligent upgrades, strengthening cooperation with scientific research institutes, promoting digital mine construction, improving production efficiency and resource utilization, and setting a benchmark for green mine construction in the industry.

In terms of ecological restoration, Wushan Copper Mine has proactively responded to China's call for a green, low-carbon and circular economy. In accordance with the requirements of the reviewed and filed mine geological environment protection, governance and restoration plan and land reclamation plan, it has established a responsibility mechanism and annual plan, followed the principle of "mining, governance and restoration all at the same time", and orderly promoted the protection of the ecological environment in the mining area, achieving good governance results.

I Green Factory

Jiangxi Copper attaches great importance to the construction of green factories, proactively responds to the national green development strategy, and continuously promotes energy conservation and consumption reduction, pollution control and circular economy development around the green manufacturing system. In 2024, we deepened green production management, and emphasized green development work in every quarterly production and operation meeting, requiring all units to regularly summarize results and optimize measures to ensure the steady progress of green development goals. **As of 2024, 12 units⁹ have been rated as national green factories, demonstrating Jiangxi Copper's industry-leading position in the field of green manufacturing.**

9 Copper Foil Company, Guangzhou Copper, Guixi Smelter, Group Copper, Copper Industry Copper, Jiangxi Copper Longchang, Jiangxi Copper Taiyi, Qingyuan Jiangxi Copper, Hengbang Smelting, North China Copper, Tianjin Dafengwu, Zhejiang Heding.

Green Factory Model - Guixi Smelter

Guixi Smelter is China's first modern copper smelting plant that adopts the world's advanced flash smelting technology, high-concentration sulfur dioxide conversion acid production technology, tilting furnace, Kaldo furnace mixed copper smelting technology and ISA (ISA process) electrolytic refining technology. In 2013, it proposed the goal of "building a world benchmark copper smelting factory" and is committed to building a new copper smelting model with "highest efficiency, best technology, lowest energy consumption, lowest cost and best environmental protection". It has now become a benchmark for green manufacturing in the industry, providing a model for the sustainable development of Jiangxi Copper and even the global non-ferrous metal industry.

In terms of environmental protection, Guixi Smelter has invested more than RMB 2 billion in environmental protection, built more than 180 sets of various environmental protection devices for environmental governance, pollution prevention and control, and clean production. The operating costs of environmental protection facilities exceed RMB 500 million per year, achieving "zero discharge" of industrial wastewater, an industrial water reuse rate of more than 97%, and a pollutant emission compliance rate of 100%. It has been listed as one of the first clean production demonstration enterprises in Jiangxi Province.

In terms of circular economy, Guixi Smelter vigorously develops circular economy, continuously improves the construction of energy management system, deeply promotes energy conservation and emission reduction, and continuously consolidates the "green smelting" model. The comprehensive energy consumption of copper smelting has dropped to 156.11 kilograms of standard coal per ton of cathode copper, reaching the advanced level in the industry. Waste gas, waste water and waste residue are all scientifically treated and comprehensively utilized.

Green Technology

Jiangxi Copper attaches great importance to the key role of green technology in promoting the sustainable development of the industry, proactively leads technological innovation, and accelerates the research and development and application of green technology with high-end, intelligent and green development as the core. We promote the optimization and upgrading of the non-ferrous metal industry and contribute to the low-carbon transformation of the industry through industry standard setting, technological innovation and demonstration application. Dexing Copper Mine pioneered the domestic "first application of high-pressure roller mill to porphyry copper ore crushing operations", effectively solving the impact of difficult-to-grind ores on production and saving electricity and steel consumption in ball milling operations. After it is officially put into production, it is expected to save more than 3 million kWh of electricity annually. In 2024, the "New-Generation Green and Efficient Refining of Rare and Precious Metals Technology and Application" project led by us won the second prize of the National Science and Technology Progress Award, reflecting our leading achievements in technological innovations such as green refining of rare and precious metals, and our important contributions to the industry's sustainable development and low-carbon transformation.

"Sulfidation Extraction Technology of Low-Concentration Copper Resources in Acidic Water" was Included in the Provincial Green Technology Database

On August 19, 2024, the Jiangxi Provincial Development and Reform Commission issued the *Directory of Green Technology Promotion in Jiangxi Province (2024 Edition)*. The "Sulfidation Extraction Technology of Low-Concentration Copper Resources in Acidic Water" of Baitai Environmental Protection Technology Co., Ltd., we controlled, was included as one of the 17 green technologies in the provincial green technology database. This technology separates heavy metal ions by regulating pH and potential, and uses sulfide crystallization technology and hydrogen sulfide recycling technology to effectively recover valuable metals such as copper and zinc. It solves the problem of heavy metal separation in complex acidic water and the odor problem of sulfidation reaction, and has the characteristics of low energy consumption, low cost and high efficiency. It not only significantly reduces the cost of environmental protection treatment, but also achieves the harmonious unity of economic and ecological benefits, helping the green development of enterprises.

"High-Efficiency and Energy-Saving Grinding Technology" Research of Sizhou Dressing Plant, Dexing Copper Mine

The research achieved the reduction of the ball mill operation rate in the second-phase grinding and flotation section to less than 85% for the first time by improving the grinding operating conditions. The efficiency of the grinding and flotation ball mill system increased by 26.04% compared with the same period last year. The second-phase crushing mill saved 0.879 kWh/ton of ore in power consumption compared with the same period last year, and the second-phase steel ball unit energy consumption saved 0.096 kg/t compared with the same period last year, significantly reducing electricity consumption and equipment loss, and saving more than RMB 5.2 million in costs annually.



Application of Circular Economy and Resource Recycling Technology

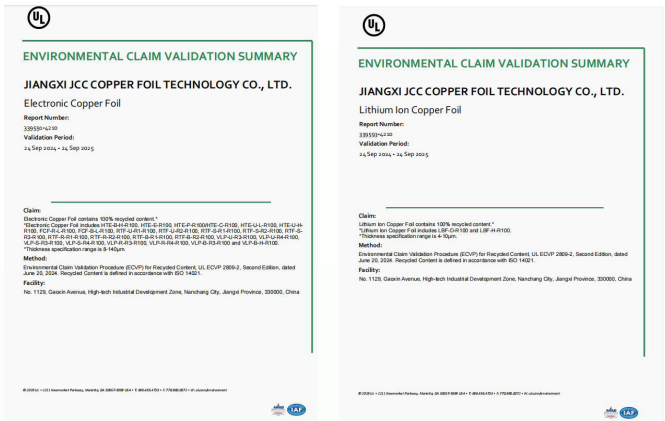
- Dexing Copper Mine leads the implementation of the national key R&D project "Technology and Equipment for Large-Scale Utilization of Photoelectric Separation of Metal Mine Waste Rock": The R&D project built an accurate prediction model for ore identification. Our subsidiary Dexing Copper Mine participated in the formulation of the process flow for comprehensive utilization of full-size waste rock and the design of key components of the equipment.
- Research on photoelectric preselection process for molybdenum ore in Yongping Copper Mine : The research can achieve a waste rate of 28.35% in a single separation operation and a molybdenum metal recovery rate of 91.47% when the molybdenum grade of the raw ore is 0.058%.
- Exploratory research on the enrichment technology of copper-containing waste rock in Yinshan Mining Company: The research project has processed more than 18,000 tons of copper-containing waste rock, with a copper ore yield of 30.5% and copper, sulfur and gold recovery rates of 57.8%, 41.5% and 53.7% respectively.
- Research on comprehensive technology for safe and efficient mining of deep copper, sulfur and gold ore bodies in Yinshan Mine: This technical research has been applied to production practice. On the basis of reducing the safety risks of excavation, it also reduces the copper-sulfur ore loss rate by 3.4% and the depletion rate by 1%. The annual additional benefits are expected to reach RMB 8 million.
- Experimental study on ore dressing agent optimization in Chengmenshan Copper Mine: The study applied new reagents to increase the copper recovery rate by 0.58% and the sulfur recovery rate by 1.13%, and is estimated to generate additional benefits of more than RMB 6.7 million.
- Applied research on "Key Technology for Green Low-Alkalinity Copper-Molybdenum Symbiosis, Precise Sulfur Suppression and Harmonious Separation": The project has achieved results transformation and promotion at the Sizhou Plant, Dexing Copper Mine, which can recover an additional 220 tons of molybdenum metal each year, with an estimated additional benefit of more than RMB 16 million per year.

I Green Products

We adhere to green innovation and promote environmental protection upgrades throughout the product life cycle. We continue to optimize our processes, improve energy efficiency, and develop low-carbon, energy-saving, and recyclable new materials and products to help the industry's green transformation and contribute to sustainable development. As of the end of 2024, we have been awarded 3 types of "Green Design Product" category by the Ministry of Industry and Information Technology of China.

Jiangxi Copper Foil Technology Co., Ltd. Successfully Obtained UL2809 Certification

On September 24, 2024, Jiangxi Copper Foil Technology Co., Ltd. obtained the UL2809 authentication certificate for 100% recycled copper content issued by UL Solutions, marking an important progress in green product authentication. UL2809 is an environmental declaration verification standard for recycled material content, which aims to ensure that the product will not cause harm to users during use, transportation and storage. It is a mandatory certification for entering the US market. This certification covers all products of Jiangxi Copper Foil Technology Co., Ltd., meeting the needs of high-end export customers for product traceability and environmental protection. Through full-process "traceability", Jiangxi Copper Foil Technology Co., Ltd. has enhanced the competitiveness of its green products in the global market.



UL2809 Certificate

Green Operation

I Green Office

Jiangxi Copper attaches great importance to green office and integrates environmental protection concepts into daily management. By posting green office posters and reminders, holding theme activities, etc., it raises employees' environmental awareness and promotes energy conservation and consumption reduction. In addition, we proactively advocate a low-carbon office model, encourage green travel, paperless office and resource recycling, create a sustainable working environment, and jointly practice green responsibility. **During the reporting period, our water consumption for office activities was 21,450 tons and our electricity consumption for office activities was 3,512,841 kWh.**

Green Office	Specific Initiatives
Electricity Management	<ul style="list-style-type: none">•The air conditioning temperature in offices, conference rooms and other places shall not be lower than 26° C in summer nor over 20° C in winter;•Computer, printer, copier and other office equipment shall be turned on and off in time to reduce standby energy consumption;•Turn off the lights and prevent lights on for long time or without attendance;•Give priority to green energy-saving lighting fixtures and make full use of natural light.
Water Management	<ul style="list-style-type: none">•Post water conservation slogans in washrooms and break rooms.
Paper Management	<ul style="list-style-type: none">•The office process mainly adopts the online OA approval procedure to minimize the use of paper documents and promote paperless office.
Vehicle Management	<ul style="list-style-type: none">•Strictly control the number of business vehicles in accordance with the principles of economy, use and strict management, and improve the efficiency of business vehicles;•Promoting the procurement of new energy vehicles, with a total of 113 official vehicles (including 4 new energy vehicles) as at the end of 2024.
Diner Management	<ul style="list-style-type: none">•Strengthen process control, make accurate statistics on the number of diners and the consumption of ingredient, reasonably manage and control costs, and keep the amount of kitchen waste low;•Encourage the promotion of the "optical disc action" and organise the separation and management of food waste.



Yongping Copper Mine Organized Volunteering Activities for the Arbor Day



Wushan Copper Mine Organized Volunteering Activities to Water Plants

I Green Procurement

Jiangxi Copper proactively promotes green procurement and formulates a number of guarantee measures to lay a solid foundation for its work. We organized personnel to study the documents regarding the "carbon peaking and carbon neutrality" strategy in depth, refined the division of tasks, strengthened the entity responsibilities, optimized the *Guidelines for Green Procurement*, improved the procurement process, and incorporated green concepts throughout the entire life cycle of the product. At the same time, we enhanced the environmental awareness of purchasing personnel through publicity and training, regularly organized technical exchanges and new material promotion training sessions for suppliers, accurately matched user needs, and improved green procurement efficiency.

On the basis of improving mechanisms, we systematically promoted green procurement, focusing on the elimination and renewal of high-energy-consuming equipment. We ordered 2,424 energy-saving equipment throughout the year, with a contract value of over RMB 60 million. We have also expanded our procurement of new energy equipment, such as electric forklifts and pure electric mining vehicles, and have worked with leading companies in the industry to build a green supply chain, standardize procurement standards, promote green product upgrades from the source, and contribute to low-carbon sustainable development. Green procurement not only reduces fixed costs but also enhances our market competitiveness. At the same time, according to *Implementation Plan for Integrated Procurement of Energy-Conservation Motors*, we proactively introduced leading companies in the motor industry. Currently, there are about 16 energy-saving motor manufacturers of various motor types in the supplier directory. Through in-depth cooperation with high-quality suppliers, we proactively promoted the innovation and upgrading of new materials and new technologies, helped build a green supply chain and achieved sustainable development.

In 2024, our green procurement work that has been put into use and can be measured has achieved economic benefits totaling approximately RMB 22.5145 million, effectively reducing our production costs.

I Green Building

In terms of green buildings, we strictly abides by relevant national environmental protection and construction standards, such as the *Green Building Evaluation Standards* and the *Building Energy Saving Design Standards*, to ensure that all construction projects meet green building requirements. We proactively takes energy-saving and consumption-reducing measures, optimizes building design and material selection, and improves the energy efficiency of buildings. At the same time, we strengthens environmental management within buildings, promotes green building certification, improves resource utilization efficiency, and reduces energy consumption during construction and operation to support the implementation of Sustainable development strategy.

I Green Training

In order to continuously improve the environmental management level and risk prevention capabilities of managers at all levels and strengthen employees' awareness and perception of the "carbon peaking and carbon neutrality" strategy, in 2024, we invited internal and external experts to hold 4 special training courses covering core areas such as environmental protection and "carbon peaking and carbon neutrality". Nearly 300 people participated in the courses, which effectively improved the business knowledge level of managers at all levels.

"Carbon Peaking and Carbon Neutrality" Management Capacity Improvement Training Course

From September 18 to 20, 2024, we held a "Carbon Peaking and Carbon Neutrality" Management Capacity Improvement Training Course, with more than 60 "Carbon Peaking and Carbon Neutrality" managers participating. We invited experts from the Jiangxi Academy of Sciences and the Guangzhou Institute of Energy of the Chinese Academy of Sciences. The content covered national carbon emissions trading policies, international trade barriers, and corporate carbon emissions monitoring and verification. Our Safety and Environmental Protection Department also publicized and implemented the new *Carbon Emission Management Measures*, clarifying the responsibilities and key tasks of each unit. Through this training, the trainees have enhanced their carbon management awareness and skills, helping us to advance the "Carbon Peaking and Carbon Neutrality" strategy, promote green and low-carbon development, and move towards becoming a world-class enterprise.

Environmental Management Capacity Improvement Training Course

From October 28 to 30, 2024, we held a training course to improve environmental management capabilities, with a total of 93 environmental management personnel participating. We invited experts from the Department of Ecology and Environment of Jiangxi Province and the Jiangxi Institute of Environmental Sciences and Planning. The course covered industrial solid waste management, heavy metal pollution prevention and control, and ecological environmental protection supervision. The experts interpreted environmental protection laws and policies and answered related questions. Through this training course, the trainees enhanced their environmental awareness and deepened their understanding of laws and regulations. They also expressed that they would put what they learned into practice, improve our environmental protection mechanism, and promote green and low-carbon development.

I Green Equity Investment

Jiangxi Copper has always integrated the ESG concept into the entire process of equity investment, strictly controlling the management links before, during and after making an investment to ensure that investment projects meet the requirements of sustainable development. In 2024, we completed a total of 4 equity investment projects in the field of strategic emerging industries,

with a total amount of RMB 1.362 billion, including 1 project in the environmental protection field with an investment amount of RMB 78.25 million, and 3 projects in the new materials field with an investment amount of RMB 1.283 billion. We promote green technology innovation and efficient use of resources by investing in environmental protection and new materials industries, proactively fulfill our social responsibilities, and promote low-carbon sustainable development.

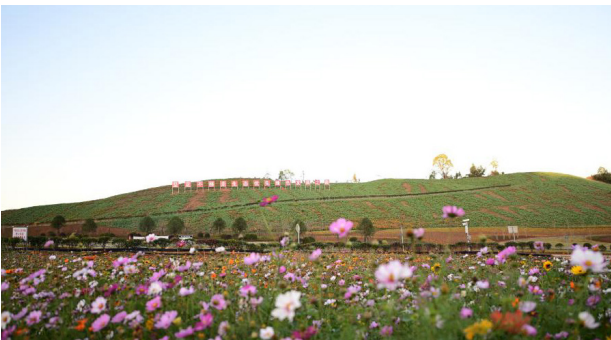
Ecological and Biodiversity Protection

We attaches great importance to ecological restoration and biodiversity conservation efforts, strictly adheres to relevant national laws and regulations, and actively promotes the implementation of ecological restoration projects. We has formulated the *Interim Regulations on the Acceptance of Ecological Restoration Projects of Jiangxi Copper Co., Ltd.*, to standardize the acceptance procedures for restoration projects and ensure the long-term effectiveness and quality of the restoration. We place particular emphasis on restoring the diversity and coverage of plants within the area, requiring that the plant coverage in the ecological restoration area reaches over 90%, and that the variety of plants is diverse, exceeding seven species. Furthermore, within the restoration area, it is also required to establish an effective drainage system to prevent water accumulation and ensure the healthy growth of plants. Through these initiatives, we actively promote biodiversity conservation and drives the continuous improvement of the ecological environment, practicing the concept of green development. In 2024, we invested RMB 120.0644 million in ecological restoration, and the total ecological restoration area reached 108.21 hectares. Among the first batch of 15 national cases of ecological restoration of production mines released by the Ministry of Natural Resources, Yongping Copper Mine was selected as the sole case from Jiangxi province.

In addition, in order to further strengthen ecological and environmental protection, we issued the *Notice on Ensuring Safety and Environmental Protection during the Flood Season in 2024*, requiring all units to strengthen ecological safety management during the flood season, carry out self-inspection and rectification of potential hazards, and prevent the adverse effects of extreme weather on the ecological environment.



Swans "Visiting" No.4 Tailings Pond at Dexing Copper Mine



Ecological Restoration of Chengmenshan Copper Mine



Yongping Copper Mine Selected as One of the First Typical Cases of Ecological Restoration of Productive Mines in China



Status Quo of the Refuse Dump at Dexing Copper Mine



Leading the Future with Intelligence and Jointly Driving Technological Changes

Jiangxi Copper innovates the circular economy development model of the mining industry with new quality productive forces. Guided by the goal of becoming a "world-class enterprise", we focus on five major innovation layouts, strengthen scientific and technological innovation, connect with major domestic and foreign research institutes, attach importance to capacity building and platform matrix construction for R&D talents, empower work scenarios with digitalization, and support the transformation and upgrading of the circular economy of the entire industrial chain by shouldering the responsibility for creating an "Innovation Consortium" and discover the innovative power that could be driven by technologies in all aspects of production and operation.

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Leading the Future with Intelligence and Jointly Driving Technological Changes

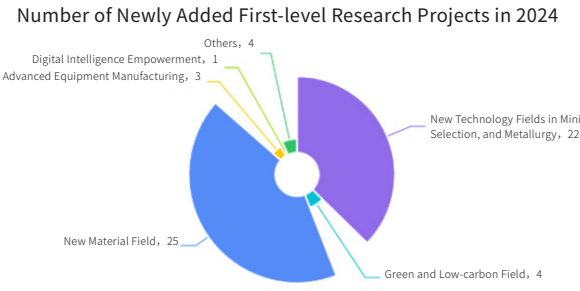
Technological Innovation

I Scientific and Technological Innovation Researches

We focus on five major areas: new technologies in mining, beneficiation and smelting, green and low-carbon development, digital empowerment, new materials, and high-end equipment manufacturing. We enable discovery of circular economy opportunities from the perspective of new quality productive forces, and aim at key research directions such as new technologies for deep treatment of industrial wastewater, new technologies for intelligent mining, and research and development of intelligent smelting equipment. We carry out key technology researches, cultivate major innovative achievements, and promote industrial development and upgrading.

•**Major scientific research projects:** We have proactively integrated into the national and regional innovation systems, and have taken the initiative to undertake a number of major innovation projects. Among them, the "Comprehensive Evaluation of Strategic Mineral Resources" was approved as a major national science and technology project by the Ministry of Natural Resources, and two projects of our subsidiary Copper Foil Company were approved as provincial key scientific research projects.

•**Carefully select and approve projects:** According to the plan for building a source of original technologies, we added 59 first-level scientific research projects in five batches in 2024, with approved scientific research funds exceeding RMB 390 million. As of the end of the reporting period, we had a total of 151 projects under development, including 7 national projects, 6 provincial projects, 91first-level projects, and 60 second-level projects.



•**Hierarchical management of scientific research projects:** We implement hierarchical and classified management of scientific research projects, allowing key projects to be subject to special control and continuously promoting the research and development of key technologies.

I Science-based Management and Control and System Construction

In 2024, we completed the construction and trial operation of the science and technology management system, and relying on science and technology management and scientific control, we comprehensively improved the overall efficiency of scientific and technological innovation and project research and development. At the same time, in order to further demonstrate our support for technology-driven innovation and activate innovative forces, we issued the new *R&D Reserve System of Jiangxi Copper Co., Ltd. (Trial)* to formulate more scientific R&D planning and fund management around the reserve, provide stable and special financial support for R&D projects, and help long-term technologies and more difficult research projects to develop.

I Capacity Building for Scientific Researches

We are committed to building capabilities and establishing a platform matrix for "R&D talents", and have gradually established an innovation system for all employees.

◦ Encourage Employees to Invent and Create

In order to mobilize the creativity of employees and encourage them to proactively participate in the transformation of scientific and technological achievements, we have established a series of systems such as the *Management Measures on Promoting the Transformation of Scientific and Technological Achievements of Jiangxi Copper Co., Ltd.* In 2024, we further revised and improved the *Measures for Special Assessment on Scientific and Technological Innovations, Detailed Rules for the Implementation of Science and Technology Progress Award Selection*, and *Measures for the Administration of Incentives for Innovations and Benefits Creation*, and carried out annual evaluation and rewards for the transformation of scientific and technological achievements to encourage employees to invent and create.



In 2024, we doubled the number of transformation and application projects and the amount of rewards for 2023 compared with the previous year. We rewarded 86 scientific and technological achievement transformation projects that generated significant economic benefits, with a total reward amount of RMB 33.3966 million.

◦ Establish a "Flying Geese" Innovation Team around Production Entities

We insist on taking production entities as the basis of innovation, discovering problems, studying problems and solving them in innovative ways in daily production and operation links, encouraging various units to apply for high-tech enterprise qualifications, and facilitating various units to leap from ordinary production entities to high-tech enterprises and then to scientific and technological production enterprises. We have formed a "1+18" goose formation innovation echelon with the Company (provincial science and technology leading enterprise) as the "head goose" and 18 technology-based enterprises as the "wings" (including 16 high-tech enterprises).

In 2024, Copper Foil Company and Guangdong Taolin Company were approved as a national-level "Little Giant" enterprises with high growth potential, advanced technology, and strong market competitive edge, and many units such as the Copper Materials Company and Jiangxi Copper Research Institute were awarded provincial qualifications such as "Gazelle Enterprise", "Enterprises with High Growth Potential, Advanced Technology, and Strong Market Competitive Edge" and "High-tech Enterprise".

◦ Create a High-level Innovation Platform Matrix

Platforms represent the basis for gathering innovative resources, implementing innovative exchanges, and realizing organizational innovation. In 2024, we participated in the co-construction of one national platform, independently established one provincial platform, and three units applied for and were approved as provincial platforms. We have basically formed a "6+14" high-level innovation platform array consisting of 6 national platforms and 14 provincial platforms.

- 1 National Platform

National Mine Safety Administration Key Laboratory for Tailings Pond Disaster Prevention and Control Technology and Equipment Jiangxi Copper participated in constructing was approved for establishment
- 3 Provincial Platforms

Shandong Humon Smelting Co., Ltd. was awarded the Shandong Provincial Engineering Research Center for High-Purity New Materials

Innovation and Practice Achievements of Key Laboratories (Partial)

The Jiangxi Provincial Key Laboratory for Rare, Precious and Dissipated Metal Materials has carried out research and development of high-purity materials such as molybdenum-rhenium and its alloys, high-purity tellurium and selenium indium, and tellurium-based sensor materials such as bismuth telluride and tellurium oxide.

The Jiangxi Copper Branch of the China GRINM Group Corporation Limited National Key Laboratory for Nonferrous Metal Materials Preparation and Processing has carried out two projects, "Tin-phosphor bronze strip for high-performance heat sinks with low residual stress" and "Single crystal copper for high-performance signal transmission lines", which have made initial progress and market transformation results.

Based on the platform of the Jiangxi Copper Branch of the National Key Laboratory for Intelligent Optimization Manufacturing in Mining and Metallurgical Processes, we jointly carried out the research and development of the "Dexing Copper Mine 7# ball mill digital twin optimization control system" with BGRIMM Technology Group, achieving a full-automatic control utilization rate of over 99% and a grinding product fineness compliance rate of over 98%.

Research on the Technology for Preparation of High Performance CuCr Alloy Ingot and Hot Rolled Billet

By optimizing the performance of high-precision copper plates and strips, this technology has achieved the export of approximately 300 tons of hot-rolled billets, sales of 150 tons of finished strip products, and cumulative processing fee income of more than RMB 5 million.

Transformation of Technical Research Results

Molybdenum Powder Pilot Line and New Material Products

During the reporting period, we built a pilot line with an annual output of 30 tons of molybdenum powder and vigorously promoted the trial sales of new materials and new products. High-purity rhenium powder, high-purity tellurium and other products achieved sales of nearly RMB 30 million.



Molybdenum Powder Pilot Line



New Material Product - High Toughness Samarium Cobalt Magnet

Research on Key Technologies of Copper Rod Used as Matrix Material for Niobium-titanium Alloy Superconducting Wire

The project has produced products that meet the requirements of special-shaped materials. The copper material company has become a supplier of low-oxygen copper rods for Western Superconducting Corporation, achieving sales of more than RMB 15 million.

Scientific Research Achievement Awards

In 2024, our scientific research results won a total of 14 awards recognized by national, local and association organizations. Among them, one achievement won the second prize of the National Science and Technology Progress Award, two achievements won the second prize of the Provincial Science and Technology Progress Award, and eleven achievements won industry science and technology awards.

Scientific Research Exchange and Training

In 2024, we enhanced the scientific literacy of employees through activities such as "Science and Technology Festival" and "Science and Technology Progress Month", and organized more than 20 units to publicize scientific and technological achievements through popular science posters and lectures to stimulate enthusiasm for scientific research. During the reporting year, we focused on resource exploration, copper-based new materials, non-ferrous metal recycling and other fields, invited well-known experts and scholars to organize 5 special technical training seminars, and carried out 5 special trainings on scientific research skills to help scientific and technological workers master cutting-edge technologies, improve their innovation capabilities and scientific research management levels.

Transformation of Scientific and Technological Achievements

Since the 14th Five-Year Plan, we have completed a total of 259 scientific research projects, of which 186 have been transformed, with a conversion rate of 71.81%; in terms of economic benefits, 86 scientific and technological achievement transformation projects that were transformed and applied between 2023 and generated significant economic benefits were counted in 2024, with a transformation benefit of RMB 210 million.

In 2024, with circular economy as the core, we carried out a series of results transformation around reducing the loss rate in the mining process, saving electricity and reducing carbon in the production process, improving the recovery rate in screening and processing links, and increasing the durability of products. 47 first-level projects were completed and 34 new transformation applications were added, leading the market-oriented demonstration of technology-driven circular economy in the mining industry.

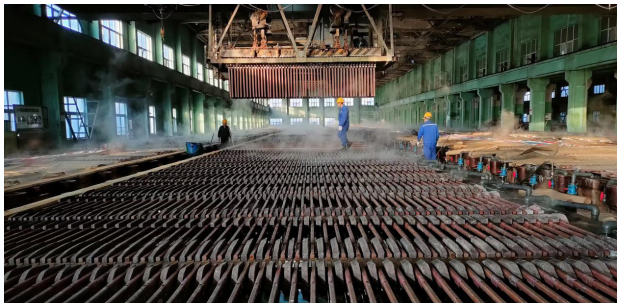
Improve the Management in Transforming Scientific and Technological Achievements

We have implemented dual-line management for the transformation of scientific research results. We have established two lists, respectively for "transformed projects" and "untransformed projects", tracked and coordinated the promotion of "untransformed projects", strengthened the inspection of the application of "transformed projects", and implemented supporting incentive measures.

Improve Quality and Efficiency in Transforming Relevant Results

Research on Anode Passivation and Floating Anode Mud Control Technology in Guixi Smelter Ultra-Low Arsenic Copper Anode Electrolysis

The project has effectively solved the problems of floating anode mud and anode passivation, improved the electrolysis efficiency and the quality of cathode copper, achieved a 100% qualified rate for the chemical composition of grade a copper and a 95% qualified rate for physical appearance, and processed nearly 50,000 tons of low-arsenic anodes in total.



Research on Anode Passivation and Floating Anode Mud Control Technology in Guixi Smelter Ultra-Low Arsenic Copper Anode Electrolysis

Scientists' Special Training Sessions Revealed the Future Direction of Copper-based Scientific Research

We have been conducting special training for scientists since 2022, and has held more than ten sessions in total, focusing on five major areas of mining, mineral processing, smelting, processing and new materials. It has customized seminar content with top experts, built a high-end technology exchange platform, and helped the R&D team break through technical bottlenecks.

On May 27, 2024, we specially invited Professor Mi Xujun, Dean of the Advanced Technology Research Institute of South China University of Technology, to hold a discussion on the "Future Direction of Copper-Based Materials". He had in-depth exchanges with front-line personnel on key technical issues such as copper processing industry dynamics, annealing detection standards and oxygen content control, and accurately guided the scientific research layout and research direction.



Special Training Session on Mineral Resource

In order to implement the strategic deployment of "resources are king", we organized a special training on mineral resources on December 10, 2024, initiated by the Ministry of Science and Technology. Two professors, Wang Qingfei, Academic Vice President of East China University of Technology, and Wei Junhao, School of Resources, China University of Geosciences (Wuhan), were specially invited to systematically explain cutting-edge theories such as mineralization mechanism, mine types and element distribution laws. More than 60 people from us and our subsidiaries participated in the training through "on-site + video", which deepened their understanding of geological exploration technology and injected new impetus into the advancement of resource strategy.



The Group's "Digital Jiangxi Copper" Strategic Planning



5G Factories

Mechanism Construction for Digital Transformation

We proactively implemented the "1269" Action Plan of the Jiangxi Provincial Government. Under the leadership of the Leading Group for "Top-level Design for Digital Jiangxi Copper", we further established the *Digital Expert Database Management Measures (Trial)* to match our digital expert database, and issued the *Special Assessment Measures for Construction of "Digital Jiangxi Copper" Project in 2024 (Trial)* and other support for standardized digital project management work to make decision-making more science-based.

As of the end of the reporting period, we have achieved integrated collaboration of information management and production control, breaking down production barriers. Driven by both data and business, we have built a complete industrial Internet platform system and a unified data base, standard and platform. We built systems for digital mining, digital twin control, centralized control management, and equipment management to promote full coverage of intelligent manufacturing for core enterprises, and led the digital transformation and upgrading of the industry and Jiangxi Province's industry.

Successfully Applied for "Jiangxi Copper Industry Digital Transformation Promotion Center"

The Department of Industry and Information Technology of Jiangxi Province, the Jiangxi Province Development and Reform Commission, and the Department of Science and Technology of Jiangxi Province jointly created a provincial digital transformation promotion center pilot demonstration, and we successfully applied to be the Jiangxi Copper Industry Digital Transformation Promotion Center. The Center provides demand matching, transformation consulting, solutions and other services to upstream and downstream enterprises in the copper industry chain and small and medium-sized enterprises, and builds a public service system for the digital transformation of the industry. By providing public services such as basic technologies, test equipment, transformation paths, typical scenarios, etc., the cost of industrial digital transformation can be significantly reduced.

Digital Transformation

Focusing on the Group's strategic plan of "Top-level Design for Digital Jiangxi Copper", we continue to advance the construction of integrated systems and platforms, and big data, and realize the "118N" path of building "1" industrial Internet platform architecture, "1" data standard system, "8" digital transformation sectors, and "N" intelligent innovation application ecosystems, leading the digital empowerment and management innovation model across the entire industrial chain, at the national, provincial and ministerial levels. In 2024, Jiangxi Copper ranked 85th in the list of Top 500 Industrial Internet Companies; Dexing Copper Mine 5G Factory, Yinshan Mining Company Unmanned Operation 5G Factory, and Huadong Copper Foil 5G+ Smart Factory were selected into the *2024 Directory for 5G Factories*; "Jiangxi Copper Guoxing (Yantai) Copper Smart Factory" was selected into the 2024 Yantai municipal-level smart factory.

Support the Establishment of "Jiangxi Provincial Copper Industry Brain"

We proactively cooperated with the Yingtan Municipal Government to build the provincial copper industry brain in Jiangxi Province, integrating both enterprises and governments into the industrial brain thinking, connecting the production and consumption ends, empowering the production and operation of enterprises in the industry, serving the construction of the industrial ecology, and providing means for the economic governance of characteristic industries. It is an integrated and open empowerment platform that focuses on promoting quality, efficiency and power changes in related industries.

Seven Projects were Awarded the 24th Jiangxi Enterprise Management Modernization Innovation Achievement Award

In April 2024, the 24th Jiangxi Province Enterprise Management Modernization Innovation Achievements were released, and our 7 selected projects were all rated as innovative achievements, including 5 first prizes and 2 second prizes. This is an affirmation and recognition of our efforts to improve quality and efficiency through innovative enterprise modernization management, stimulate enterprise innovation vitality, and further promote industrial transformation and upgrading and high-quality development of enterprises.

Digital Platform Construction

We independently developed the "Jiangtong Industrial Internet Platform", integrating key technologies and solutions to form a comprehensive digital service system. It has been rated as the provincial industrial Internet platform in Jiangxi Province for three consecutive years, and won the third prize in the "R&D and Design Category" of the first Professional Competition for State-Owned Enterprise Digital Scene Innovation. Relying on its ubiquitous connection, factor aggregation and data analysis advantages, it effectively promotes the deep digital transformation of all factors, the entire industrial chain and the entire value chain of the manufacturing industry.

Platform Composition

Tongji basic platform, K8S development and operation integrated platform, IOT platform, data middle ground, low-code platform, mobile portal platform, digital twin platform, artificial intelligence platform, etc.

Solution

Form industrial data acquisition solutions, data governance solutions and mobile application unified portal solutions. Utilize LLM technology, R&D system question-and-answer robots and contract review LLMs to improve the level of intelligence.

At the same time, through the "digital mining platform" and "digital integrated management and control platform", we focus on "ore flow" exploration, create typical application scenarios in mining, smelting, processing and other fields, realize full coverage of intelligent manufacturing, and intelligently improve productivity.

Digital Management Applications

Digital practice in mines is a key direction for Jiangxi Copper to develop ESG from systems to implementation. By integrating environmental, social and governance management elements to promote digital technology, it aims to achieve intelligent, transparent and sustainable mine management. In 2024, our Chengmenshan Copper Mine achieved full life cycle management around data elements and built a data foundation for the cultivation of future mining scenarios; Dexing Copper Mine won the "IDC 2024 Future Enterprise" and "2024 IDC China Future Digital Industry Navigator" awards for its industrial Internet "Industrial Internet + Artificial Intelligence to Promote Digital Mine Transformation" project; Guixi Smelter's smart smelting platform built by integrating multiple technologies was selected by the Ministry of Industry and Information Technology as the "Smart Manufacturing Pilot Demonstration Factory" and "New-Generation Information Technology and Manufacturing Integration Development Pilot Demonstration 'Digital Navigator' Enterprise".

Chengmenshan Copper Mine Intelligent Mine Data Element Management

Chengmenshan Copper Mine won the second prize in the Jiangxi Division of the 2024 "Data Elements ×" Competition hosted by the Jiangxi Development and Reform Commission for its "Data Elements Empowering the Digital Transformation of Nonferrous Open-pit Copper Mines" project. It has won more than ten provincial and ministerial awards and demonstrations, such as the second prize of "5G Blooming Cup" and the first prize of the first National State-owned Enterprise Digital Scene Innovation Professional Competition, and has been selected into many catalogues recommended by national ministries and local governments.

Smart Mine 1.0 involves the entire process of "mining, mineral processing, measurement, sales, safety, environmental protection, and energy" in mines. It is built on the full life cycle of data elements, realizes the connection of data from end to top-level applications, achieves the goals of data collaboration, reuse, and integrated innovation, and reflects the multiplication effect of data elements.

Technology Application Innovation:

We adopt new technologies such as 5G, big data, VR, AR, artificial intelligence, and deeply integrate them with mining production to realize one-control multiple remote driving of bulldozers, remote driving of drilling rigs, remote driving of excavators, unmanned driving of mining trucks, unmanned grab systems, and expert system control of the entire mineral processing process, to build an integrated management and control system for intelligent mine production.

Digital Management Results:

Taking into account the actual scale and operating volume of the mines, the copper recovery rate was increased by 1.37% and the comprehensive sulfur recovery rate was increased by 17.77% in 2024 compared with that in 2018.

Intelligent Management and Control

Production Control Center

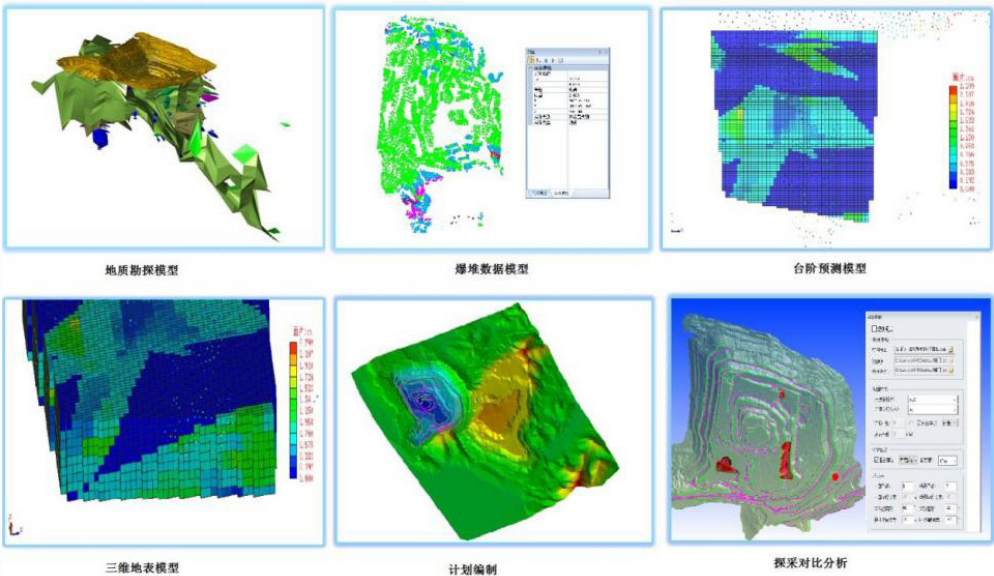


Chengmenshan Copper Mine Intelligent Mine Data Element Management

Smart Mining IoV Platform for Mining



Digital Production Scheduling Platform



Intelligent Mineral Processing



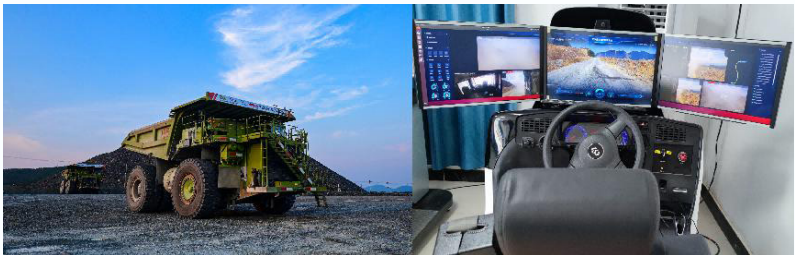
Dexing Copper Mine • Industrial Internet Smart Mine Construction

Dexing Copper Mine has built a unified "centralized control center" and "digital production comprehensive management and control system" through the construction of the Sizhou Dressing Plant Phase II centralized control upgrade and revamp and production execution system, realizing centralized control of the entire mineral processing process, and building a unified cloud-edge collaborative platform based on the industrial Internet architecture. It has now put into operation AI intelligent applications such as 5G+ unmanned intelligent mining, mineral processing intelligent applications and expert systems, and comprehensive mine management and control platforms.

Technology Application Innovation:

- A new cloud data center with cloud computing architecture has been built with 1.6PFLOPS computing power and 2.2PB storage capacity, providing cloud services of network, computing, and storage resources.
- In accordance with the "Cybersecurity Law" and the three-level requirements of "Level Protection 2.0", we will build an active defense network security system to achieve comprehensive level protection.
- For intelligent applications such as remote control systems and expert control systems with high real-time requirements, a new edge cloud computing model with highly integrated "cloud, network, and edge" is built to achieve rapid deployment, easy expansion, and simple operation and maintenance.
- The construction of a "3D visual digital mining platform" has been fully realized, covering 3D geological modeling of ore deposits, reserve calculation and dynamic management, measurement and acceptance, and rapid mapping of data.
- The 5G+ unmanned driving system relies on the precise operation guidance of the three-dimensional visualization mining platform and the intelligent measurement and scheduling of the truck dispatching system to optimize mining resources and reach the international leading level.

Electric Wheel Driverless Trial Project



Measurement Centralized Control Management System of Inspection and Chemical Analysis Center



Digital Mine Comprehensive Management and Control Platform



Dexing Copper Mine • Industrial Internet Smart Mine Construction

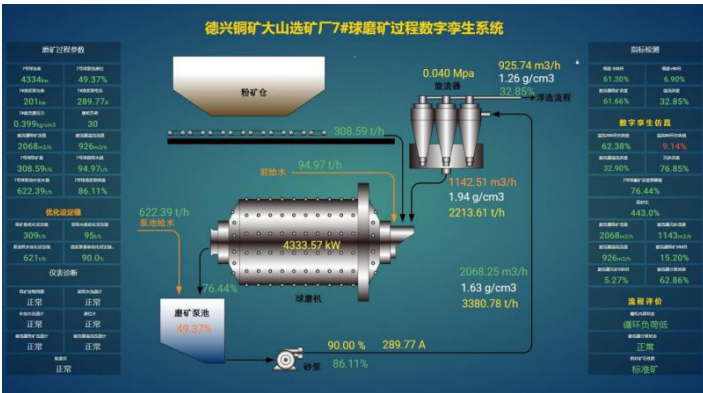
Cloud Data Center



Intelligent Material Distribution Optimization Control System For Small Vehicles



Digital Twin Optimization Control System for Ball Mill



Guixi Smelter • Building a Big Data Smart Smelting Platform

In 2024, Guixi Smelter built a "smart smelting platform" through big data analysis, integrating cloud computing, big data and artificial intelligence technologies to achieve coordination of smelting, acid production, electrolysis and other processes. The case of *Application of Internet of Things in Copper Smelting Smart Factory* was successfully selected into the list of typical cases of Internet of Things empowering industry development in 2024 announced by the Ministry of Industry and Information Technology; the project "Innovative Application 'Smart Smelting' Based on Computing Power Engine and Big Data Platform" won the national first prize in the "Computing Power + Industry" special competition under the second "Huacai Cup" Computing Power Innovation Application Competition.

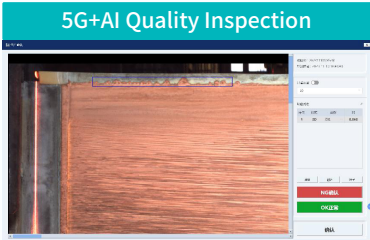
As a pilot enterprise for digital transformation, it is promoting the "second phase of smart factory construction" through process control and big data analysis. Its goal is to build a "lighthouse factory" in Jiangxi Province and the nonferrous industry and comprehensively build a new model of smart smelting.

Guixi Smelter • Building a Big Data Smart Smelting Platform

Technology Application Innovation:

Using cutting-edge technologies such as 5G, big data analysis, AI machine vision, intelligent robots, edge computing and virtual reality, we materialize smart factories with four major characteristics: "basic digitalization, process automation, management visualization, and multi-terminal analysis" in many fields such as product quality, process control, material and energy coordinated optimization, and labor efficiency improvement.

- 5G+ intelligent railway transportation dispatching: The total number of old vehicles with delays of more than 31 hours has been reduced by 70%.
- 5G+UAV escort: It can realize intelligent judgment and warning of driving trajectory of external logistics vehicles, driver behavior analysis, and roadblock detection, and provide accurate and timely data information for management personnel's decision-making and transportation dispatch command.
- 5G+ unattended weighing room: Realize the standardization, electronicization and integration of all material measurement business to ensure the material assets entering and leaving the factory.
- 5G+UAV specific working condition safety and environmental monitoring: Wireless monitoring of atmospheric tail emission data to provide early warning monitoring of pollutant emission indicators.
- 5G+AGV intelligent transportation: Improve the stability and efficiency of AGV operation, and increase the inbound and outbound flow by more than 30%.
- 5G+ intelligent infrared inspection robot: Improve short circuit detection efficiency and identification accuracy.
- 5G+AI quality inspection: After the system was launched, the product failure rate was reduced by 10%.
- 5G+ driving intelligent collaboration system: The qualified rate of slot filling reached 98.8%, and the equipment saved energy by about 10%.



Railway Transportation Dispatching Optimization System



I Digital Governance Training

Jiangxi Copper organized a number of special training sessions on "Digital Governance Training" in 2024 to improve digital capabilities and coordinated management competence from within, ensuring that during the digital transformation process, it can proactively discover digital transformation needs, employees' demands during digital transformation, and employees at all levels can discover more possible digital application scenarios.

2024 "Digital Jiangxi Copper" on-site Promotion Meeting

In October of 2024, leaders of the company, heads of various units and departments attended the annual "Digital Jiangxi Copper" promotion meeting. The meeting covered product promotion, sharing of digital solutions, and work results reporting. It also included on-site observation of intelligent scenes and joint discussion of the construction direction of "Digital Jiangxi Copper".



Data Governance and Artificial Intelligence Training Course

In March 2024, we participated in the "Data Governance and Artificial Intelligence" training session organized by Jiangxi Copper Group, and many internal and external experts were invited to provide special guidance to all trainees. The training covered the interpretation of transformation policies and the application research of cutting-edge technologies in the field of digital transformation of mines, providing strong support and suggestions for the construction of "Digital Jiangxi Copper".



Invited to Participate in the "Digital Economy and New Infrastructure Industry Development Conference"

In November 2024, Jiangxi Copper was invited to participate in the 2024 Second China (Nanchang) Digital Economy and New Infrastructure Industry Development Conference and Expo, showcasing the construction achievements of "Digital Jiangxi Copper". Our leaders attended the opening ceremony. An Baojun, member of the Standing Committee of the Nanchang Municipal Party Committee and deputy mayor, and his delegation visited the Jiangxi Copper exhibition hall and spoke highly of Jiangxi Copper's achievements in intelligentization and big data applications. The exhibition hall, centering around our "1393" digital transformation goals and "118N" construction path, showcased the top-level design concept and construction achievements of Digital Jiangxi Copper, and focused on the construction of the "3+1" sectors including mining, smelting, processing and digital industries.



Participated in the 6th "Digital Almaty Forum" as a Representative of Chinese Enterprises

As one of the three Chinese corporate representatives at the 6th "DIGITALALMATY: INDUSTRY X", Jiangxi Copper's Deputy General Manager Liao Xingeng took the construction experience and exploration of "Digital Jiangxi Copper" as the theme at the "Digital Innovation-Industrial Digital Transformation Practice Sub-Forum". He gave an introduction focusing on the background of the digital economy era, the development overview of Jiangxi Copper, the construction of a digital group blueprint, the creation of intelligent pilot demonstrations, and the creation of a digital transformation system, and exchanged and shared experiences with other guests.



I Strengthening Industry Exchanges on Digital Transformation

In order to promote the intelligent and information-based development of the entire industrial chain, Jiangxi Copper proactively participates in industry exchange platforms, shares digital transformation experiences, explores technical paths, promotes the widespread application of digital solutions in the mining field, and stimulates innovation vitality with industry partners, coordinating with the local economy to accelerate the pace of digital transformation in the mining industry.

Information and Network Security

Information and cybersecurity are important components of achieving our sustainable development goals. It is the core competitiveness of Jiangxi Copper in carrying out digital and intelligent transformation in the era of digital assetization, and it is also the key to contingency management of new sustainable risks such as climate in the digital era.

In terms of computer room construction

We have 6 two-way servers, which serve as a computing and storage fusion platform to provide computing and storage resource pools for the cloud platform.

In terms of network architecture

We use 10G access for distributed storage networks, management networks, and business networks. 10G interconnection is also used between core switches and export devices to meet the high network requirements of computing and storage resource pools.

In terms of data security

We have strictly followed relevant requirements, formulated a network security emergency plan, and refined the handling and response processes to improve its ability to deal with network security emergencies. At the same time, we have further improved the specific emergency drill plan in combination with our network security emergency plan system to meet the needs of emergency Internet communication security and system recovery work in unexpected situations.

In 2024, based on the principle of "Those who operate and use shall be held liable", we carried out a series of specific tasks such as sorting out the Internet information system asset list, using a combination of internal and external network scanning to discover vulnerabilities, in-depth analysis of scanning reports and timely rectification of problems, verifying the port information of Internet firewalls and external network application systems, checking the account and password settings of application system users, building an internal network test environment and strictly controlling the IP addresses of external and internal network business interactions.

"Industrial Data Security Protection Solution" of Guixi Smelter was Selected as One of Many Outstanding Cases

Guixi Smelter's *Industrial Data Security Protection Plan for Nonferrous Smelting Enterprises* was selected as a single typical case of data security management in the industrial field of the Ministry of Industry and Information Technology in 2022, a typical case of data security management pilot in the industrial field of the Jiangxi Provincial Cyberspace Administration of China and the Ministry of Industry and Information Technology, and the list of excellent cases of classified and graded security protection in Jiangxi Province in 2023.

2024 Network and Information Security Training

We participated in the "Network and Information Security" themed training organized by Jiangxi Copper Group and visited the training base of Jiangxi Unicom Industrial Internet Research Institute. The training focused on national policy documents on network security. Our relevant departments summarized the 2024 network security work and arranged for follow-up work.

Intellectual Property Management

Intellectual property management not only protects the originality of our scientific research talents and maintains our sustainable competitiveness, but also guarantees the product quality rights and interests of customers. It is the core of our high-quality development. In 2024, we further strengthened trademark management and conducted a comprehensive physical examination of management systems, trademark validity periods, authorization licenses, etc. At the same time, we proactively mobilized employees' R&D and innovative spirit, encouraged patent applications and results transformation, and created a sustainable competitive community.

Trademark Management

We maintains the legitimate rights and interests of trademarks, protects our market brand and product quality, and has formulated *Administrative Measures for Quality Audit and Assessment of Products Authorized to Use Trademarks of Jiangxi Copper Group Co., Ltd.*, *Measures for the Administration of Trademark Use of Jiangxi Copper Co., Ltd. (2021 Edition)*, *Notice on Issuing the Implementation Rules for Jiangxi Copper's Trademark Licensing* and other management systems to strengthen the comprehensive standardization and management of trademark registration, maintenance, and use.

In 2024, on one hand, our company continues to carry out trademark rights protection work, initiating trademark opposition or invalidation procedures against relevant trademarks that infringe upon the company's registered trademark rights with the State Intellectual Property Office, to combat malicious registration and trademark infringement behavior. On the other hand, we have strengthened the daily management of trademarks, completed the trademark renewal work, conducted research on the use of trademarks by some affiliated units, and optimized the trademark licensing process. During the reporting period, we had observed no major intellectual property infringement incidents.

As of the end of 2024, in terms of domestic trademarks, we alone held 3 registered trademarks, and we and our controlling Group Jiangxi Copper Group jointly owned 15 registered trademarks; in terms of international trademarks, we have obtained 3 Madrid trademark registration numbers, and the designated countries include the United Kingdom and the European Union respectively.

Patent Management and Incentives

We encourage patent application and transformation of results, and follow the *Management Measures for Patent of Jiangxi Copper Co., Ltd. (Trial)*, *Management Measures for Science and Technology Development of Jiangxi Copper Co., Ltd.* and other management measures. In the patent management organizational structure, our Science and Technology Department and the unincorporated entities' science and technology management department are responsible for patent application, patent maintenance, patent rewards and other work. When it comes to patent transactions or implementation licenses, we entrust a qualified and authoritative evaluation agency to issue a fair feasibility analysis report, a legal status investigation report, and a market analysis and price evaluation report. In terms of patent rewards, bonuses ranging from RMB 100-30,000 are set from appearance patent authorization to international patents. Authorized patents that are eligible for applying for scientific and technological achievement transformation rewards are implemented in accordance with the Group provisions of the *Administrative Measures of Jiangxi Copper Co., Ltd. for Promoting the Transformation of Scientific and Technological Achievements*.

As of the end of the reporting period, we have obtained a total of 885 authorized patents (198 new ones), including 199 invention patents (30 new ones).



Putting People First to Build a Warm Workplace

Jiangxi Copper has always adhered to the people-oriented strategic concept, and through the construction of a sound system of institutions, it has ensured the efficient operation of the human resources management mechanism and comprehensively protected the basic rights and interests of employees. We promote the outstanding growth of employees by providing professional and diverse career development opportunities and paths, strengthen employees' sense of belonging by creating a safe and healthy working environment, and enrich employees' spiritual and cultural construction by organizing various activities, providing solid talent guarantee for accelerating the creation of a world-class company with global core competitiveness.

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Putting People First to Build a Warm Workplace

Compliance with Employment Regulations

In China, we abide by the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China*, the *Regulations of the People's Republic of China on the Prohibition of Child Labor* and other laws and regulations, adhere to the principles of legality and compliance, and explicitly prohibit the employment of child labor and forced labor. In the international market, we strictly abide by the relevant laws and regulations of China or regions where we operate, clearly state the employment conditions in the contract signed with employees in a language that employees understand, and ensure that all work is a voluntary decision made by employees. We treat employees equally and are proactively committed to protecting the rights and interests of female employees and minority employees, eliminating all forms of discrimination based on gender, ethnicity, age, religion, nationality, etc., and strive to create a fair, just, diverse and inclusive working environment.

Employee Rights and Interests

We strictly abide by the *Labor Law of the People's Republic of China* and other relevant laws and regulations, establish a sound human resources management system and management system, standardize the management of recruitment and dismissal, salary and promotion, working hours and holidays, and sign written labor contracts with employees in a timely manner in accordance with the *Provisions on Labor Contract Management of Jiangxi Copper Group Co., Ltd.*, establish labor relations, and safeguard the legitimate rights and interests of employees. In 2024, we conducted a survey on the implementation of the *2023-2025 Collective Contract of Jiangxi Copper Co., Ltd.*, according to which, the employee satisfaction reached 100%.

- In terms of salary distribution**, we strictly follow the *Guiding Opinions on Employee Performance Management of Jiangxi Copper Co., Ltd.* and other systems, adhere to the salary performance principle of distribution according to work and position, and continuously improve the management system of employee work performance appraisal and wage management and distribution to ensure that our welfare performance is shared with employees. We distribute employee income based on a performance-based wage system, with income distribution tilted toward positions with heavy responsibilities, great contributions, high value, and employees with sound personal performance. At the same time, we have established and improved a normal increase and decrease mechanism for employee income. Employee income fluctuates with corporate business performance. Employee labor remuneration is paid in full in cash on a monthly basis in accordance with the salary system and standards as well as performance appraisal results.
- In terms of welfare protection**, we provide employees with six insurances and two funds, regular physical examinations, welfare leave, allowances, performance rewards, paid maternity leave for female employees, seniority allowances and mid- and late-shift allowances, foreign language proficiency test rewards and subsidies for the introduction of outstanding students, etc., to continuously improve the overall welfare level of employees. During the reporting period, our labor contract signing rate and social security coverage rate were both 100%.

Supplementary medical insurance: In accordance with the *Supplementary Medical Insurance Plan of Jiangxi Copper Group Co., Ltd.* of our controlling shareholder Jiangxi Copper Group, we have fully implemented supplementary medical insurance and established a multi-level employee medical insurance system covering our current and retired employees. The maximum compensation in 2024 stood at RMB 254,700, and the total compensation for the whole year stood at RMB 29,110,800, benefiting 6,285 employees and effectively reducing the medical burden of employees.

Enterprise annuity: Based on the *Enterprise Annuity Scheme of Jiangxi Copper Group Co., Ltd.* of its controlling shareholder Jiangxi Copper Group, We have established an enterprise annuity to motivate employees to work long-term and stably and promote the common development and its employees. The corporate pensions reached a high yield growth of 5.54%, ranking first in Jiangxi Province.

Leave and medical examination: We grant employees paid leave in accordance with the law and regulations in accordance with the *Regulations on Paid Annual Leave for Employees and the Implementation Measures for Paid Annual Leave for Enterprise Employees*, and implement a system of holidays and rest such as family leave, marriage and funeral leave, paid annual leave, and those stipulated in other laws and regulations to ensure employees' right to rest and leave. At the same time, we regularly arrange recuperation and health examinations for employees.

Protection for employees with disabilities: We take the initiative to assume social responsibility, proactively participate in employment assistance activities for people with disabilities, and support various units in their efforts to protect the employment rights of people with disabilities through various channels and forms. We carry out employment management for persons with disabilities in accordance with the *Law of the People's Republic of China on the Protection of Disabled Persons, Measures of Jiangxi Province on the Employment of the Disabled* and other laws and regulations, and formulate the *Measures for the Administration of Payment of Employment Security Fund for the Disabled of Jiangxi Copper Co., Ltd.* to protect their basic rights and interests. In addition, employees who are disabled due to work-related injuries, die due to work-related injuries, or suffer from occupational diseases can enjoy relevant insurance benefits in accordance with relevant national laws and regulations.

Protection of female employees: We implement relevant laws and regulations such as the *Special Provisions on Labor Protection for Female Employees*. Female employees enjoy special protection during pregnancy, delivery and lactation periods in accordance with the law, and it is prohibited to arrange female employees to engage in high-risk labor operations. In light of the actual situation of the enterprise and the characteristics of female employees, we have separately included special protection contents such as the "four-period" protection, labor hygiene, gynecological and breast disease health examinations for female employees into the seventh chapter of the *Collective Contract*: "Protection of the Rights and Interests of Female Employees" to safeguard the legitimate rights and special interests of female employees from the source. In addition, while developing production, we timely improve the working and hygiene conditions of female employees and pay a hygiene fee of RMB 60 per month as required.

- In terms of democratic communication management**, we held the Fourth Workers' Congress and the Sixth Session of the Labor Union Members' Congress in January 2024 to ensure that employees have the right to know, the right to participate, the right to express and the right to supervise. A total of 169 representatives attended the congress, including representatives with dual identities as employees and members and representatives with only employee identity. After careful deliberation and by a show of hands, the resolutions on various reports were passed. In order to ensure that the representatives are broadly representative, we implements a diversified employee representative system, including general employees and middle-level and above managers. Among them, front-line employees shall account for no less than 60%, middle-level and above managers shall not exceed 20%, and representatives of female employees, young employees, model workers (advanced workers), etc. shall account for a certain proportion to ensure the effective promotion of democratic management. In 2024, our democratic management work was fully commended, the Chengmenshan Copper Mine Labor Union was rated as a "Six Haves and Six Norms" demonstration unit in Jiangxi Province, and the Copper Foil Company was awarded the title of "Advanced Unit for Open Factory Affairs and Democratic Management".

Talent Introduction

We attach great importance to the selection of talents and proactively reserve talents needed for high-quality leapfrog development. We have successively formulated relevant internal systems such as the *Management Measures for Human Resources Recruitment and Allocation of Jiangxi Copper Co., Ltd.*, adhered to the principles of fairness, job matching, selection of excellent talents, and putting quality before quantity, and selected and appointed talents as needed through campus recruitment, social recruitment, internal recruitment, and placement of veterans. During the reporting period, we proactively carried out recruitment work and achieved new breakthroughs in the quality and quantity of recruitment through innovative recruitment channels and mechanisms. A total of 819 employees were recruited, including 612 with bachelor's degrees or above; 160 high-level talents were introduced (111 doctors and 49 masters).

As of the end of 2024, our total number of employees reached 26,411, of which local employees in Jiangxi Province accounted for 64.74% of the total number of employees; female employees accounted for 15.01%; vulnerable employees accounted for 1.08%; ethnic minority employees accounted for 1.23%; and foreign employees accounted for 0.02%. There are 8,072 employees who have obtained professional and technical titles or qualifications.

Statistics of Employees

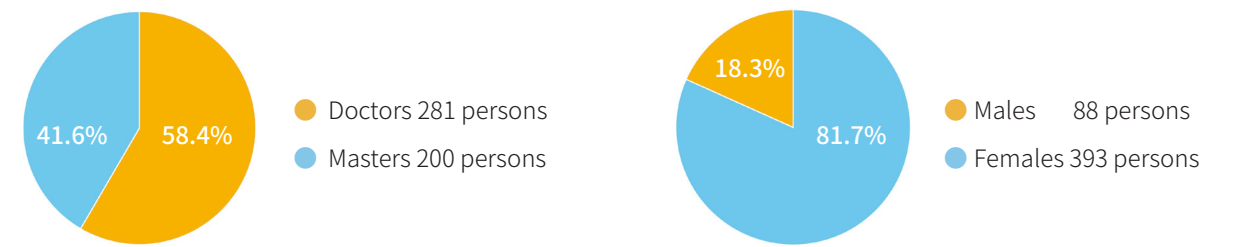
Categories		Number of People	Proportions
Gender	Male	22,446	84.99%
	Female	3,965	15.01%
Age	30 and under	6,082	23.03%
	Age 31-40	6,275	23.76%
	Age 41-50	6,258	23.69%
	Above 50	7,796	29.52%
Education	PhD	275	1.04%
	Master	1,015	3.84%
	Bachelor	6,139	23.24%
	College	5,867	22.21%
	Technical secondary school	1,795	6.80%
	Vocational school	2,554	9.67%
	High school	2,978	11.28%
	Junior high and below	5,788	21.92%
Region	Within Jiangxi Province	17,098	64.74%
	Outside of Jiangxi Province	9,313	35.26%
Total		26,411	100%

Employee Turnover

Total Turnover Rate		4.14%
Gender	Male	3.28%
	Female	0.86%
Age	20 and under	0.13%
	Age 21-30	1.66%
	Age 31-40	1.26%
	Age 41-50	0.68%
	Age 51-60	0.41%

Total Turnover Rate		4.14%
Education	PhD	0.10%
	Master	0.30%
	Bachelor	1.15%
	College	0.87%
	High school and below	1.71%
Region	Within Jiangxi Province	1.70%
	Outside of Jiangxi Province	2.44%

- **In terms of campus recruitment**, we explored new regional recruitment models, carried out precise recruitment publicity, and improved recruitment efficiency. We held large-scale recruitment promotion meetings in cities with a large number of universities, such as Beijing, Changsha, and Zhengzhou, attracting a large number of outstanding students to participate. For example, the Beijing station attracted more than 230 students, received 136 resumes, and reached intention to sign contracts with more than 20 people. At the same time, we have also created a "green channel" for the introduction and cultivation of high-level talents by conducting seminars and exchanges with many universities and signing strategic talent cooperation agreements, realizing the integration of production and education and deepening the construction of school-enterprise cooperation. We implemented a policy of cultivating outstanding students, provided outstanding student allowances to outstanding graduates, and included them in the outstanding student training sequence. We set up dual mentors for business and management to teach them, helping outstanding students to grow into independent business backbones as soon as possible.
- **In terms of attracting and cultivating high-level talents**, we have formulated the *Implementation Measures of Jiangxi Copper Co., Ltd. for Introducing and Training Leading Talents (Trial)*. By building a competitive talent introduction and training system, we focuses on introducing and cultivating three types of leading talents: leading scientific and technological talents, leading international business talents, and leading capital operation talents. The aim is to provide a solid talent guarantee for we to achieve its goal of building a world-class enterprise. As of the end of 2024, we had initially formed a talent pool with a total of 481 high-level talents, including 13 scientists (including 2 academicians). 10 people with senior professional titles , 15 people with associate senior professional titles , 117 people with intermediate professional titles and 65 people with junior professional titles. There are 281 doctorsand 200 masters ; 393 males and 88 females;



In 2024, we completed a series of talent selection and certification work based on the talent recommendation and selection mechanism: completed the recommendation work for the 2024 State Council Special Government Allowance and Provincial Government Allowance, completed the recommendation work for the Ganpo Talent Plan, completed the recommendation work for Skill Master Studios and Provincial Talent Bases, and completed the declaration and recognition of high-level talents. In addition, a group of outstanding R&D personnel stood out in innovative practices, 3 doctors were selected for provincial talent programs, and another 20 doctors were recommended to apply for national and provincial talent programs.

Human Capital Management

I Position System Construction

We adhere to the core principles of benefit and efficiency, and creatively proposed the "1+3" employee position system reform measures in accordance with the *Regulations on Employee Position System of Jiangxi Copper Group Co., Ltd.* formulated by the controlling shareholder, continuously improved the labor productivity of all employees, aiming to accelerate the construction of a human resources management system that is compatible with world-class enterprises.

We have formulated the *Assessment Plan for Staff Position System Construction in 2024* to further standardize the position system assessment mechanism, and conduct assessments in eight aspects: position information maintenance and reporting, employee performance management, internal human resources market, self-evaluation of skilled talents and professional title review, job assignment and staffing, human resources digitalization, talent introduction and training, and management improvement. Quantitative and qualitative indicators are set for each aspect, and a corresponding reward and punishment mechanism is set up based on the assessment results.

In order to deepen the application of assessment results, in 2024, we took a series of initiatives and optimization measures for the construction of the position system to improve employee performance and optimize the position promotion mechanism. Specific measures include improving the dynamic management mechanism for positions such as upgrading, demotion and relegation, conducting job exchanges for outstanding employees, strengthening performance coaching and training, and conducting cross-checks. During the reporting period, we included 9,983 people in the position system, and the initiative of employees to learn technology, improve skills and improve performance was further enhanced.

At present, the construction of our employee position system has become a model for reform and innovation in state-owned enterprises, and won the second prize of the "30th National Enterprise Management Modernization Innovation Achievement" and the first prize of "Jiangxi Province Innovation Achievement".

I Standardization Construction of Human Resources

During the reporting period, we continued to focus on the regularization, standardization, intelligence and unification of human resources work. In terms of standardization, in order to strengthen the basic work of human resources management, in 2024, we leveraged "position" as the smallest unit of human resources management, formulated the *Catalogue of Professional Categories of Practitioners* and *Correspondence Table of Posts and Occupations*, revised the *Description of Work Nature Indicators*, and standardized the *Classification of Income of Permanent Workers* and *List of Special Occupations* to achieve job occupation integration, standardize standards, strengthen data governance, and lay a solid foundation for improving our human resources management. In terms of intelligence, we continued to improve the intelligence construction of the third phase of the s-HR system, put into place a unified platform, unified releases, and unified standards, and promote the centralized management of human resources information. At the same time, we proactively explored the way to empower management via AI, and formed a list of application scenarios of AI in human resources management systems, laying the foundation for human resources digital management systems.

I Skills Assessment and Self-Assessment

In 2024, we implemented a series of innovative and optimized measures in vocational skills assessment, aiming to enhance the career development channels and incentive mechanisms for skilled talents.

• We proactively responded to the policy requirements of the *Notice on Implementing the Vocational Skill Level Recognition System Featuring "New 8-Grade Workers" in Enterprises*, revised and improved the *Work Program for the Recognition of Professional Skill Levels of Master Technicians and Chief Technicians*, and submitted an application for review to the Jiangxi Provincial Department of Human Resources and Social Security, aiming to stimulate the innovative vitality and work enthusiasm of skilled talents.

• In order to cope with the contradiction between limited evaluation resources and growing employee demand, we have enriched the content and forms of independent training and evaluation of skilled talents, promoted the "Integrated Occupation" construction strategy, vigorously encouraged employees to learn and master a variety of skills across positions and fields, and focused on cultivating a group of compound high-skilled talents with one specialty and multiple skills, to comprehensively improve the overall efficiency and comprehensive competitiveness of our human resources.

• In terms of the development of national occupational skill standards, we participated as the main drafter in the development of three national occupational skill standards, namely *Open-pit Miners*, *Ore Dressing Workers* and *Precious Metal Smelters*.

Staff Development

I Training System

In the construction of our training system, we comply with the requirements of the *Training Management Measures of Jiangxi Copper Group Co., Ltd. (Trial)* and have established a scientific and standardized training management mechanism in accordance with the principles of "overall planning, layered implementation, resource sharing, and continuous improvement". We have formulated medium- and long-term training plans, incorporated them into the overall development plan, and implemented annual planning and reporting management. The training business is divided into three categories: management, technology and skills, in order to meet the needs of different levels, enhance employees' learning ability, practical ability and innovation ability, comprehensively improve employees' comprehensive quality, and achieve coordinated development of enterprises and employees.

In strict accordance with our Development Planning during the "14th Five-Year Plan" Period, "Three-Year Action for Further Improvement", the guiding principles laid out in our congress of Party representative and staff congress, we sorted out and formulated the Corporate Level Training Plan for 2024, which consists of 114 items and 144 issues. Each secondary unit has also formulated an annual training plan based on their actual needs. **During the reporting period, a total of 17,662 employees participated in training sessions, with a total of 58,426 person-times trained and a total training time of 1,413,060 hours.**

Staff Training			
Total Number of People Covered by the Training Sessions		Number of People	Proportion
		17,662	100%
Gender	Male	14,947	84.64%
	Female	2,715	15.36%
Employee Ranking	Senior Management	7	0.04%
	Middle Management	363	2.06%
	Grassroots Employees	17,292	97.90%

In addition, in the construction of the digital empowerment training system, we have developed a training module in combination with the s-HR system, using some subordinate units as pilot units and operating process flow as pilot content to explore the implementation of a new digital training model. As of the end of 2024, a total of 2,073 training video courses had been produced, including operating procedures, hazard identification, safety briefings for outside personnel, routine business processes, equipment maintenance, etc., with 1,396 people involved in the production, and the total duration of the short videos produced stood at 7,230 minutes. By making learning resources video-based and systematized, we achieved seamless connection between teaching scenes and production sites, improve training effectiveness, stimulate employees' initiative in learning, and lay the foundation for in-depth digital transformation of our skill training.

I Staff Training

In terms of targeted talent training, we improved the comprehensive quality and business level of employees by organizing graduate training sessions, assigning outstanding young employees to higher - level positions for temporary experience and sending them to lower-level positions for on-the-ground practice, and two-way training of technical R&D personnel.

•Graduate training

In July 2024, our Human Resources Department coordinated resources to register new university graduates and customized the course schedule according to factors such as corporate nature to communicate corporate information in five phases.

•Assigning outstanding young employees to higher-level positions for temporary experience and sending them to lower-level positions for on-the-ground practice

We initiatively implemented the Training Program for Excellent Young Talents of Jiangxi Copper Group, according to which, 38 outstanding young talents were assigned to the departments of the Office for training, and 15 outstanding students from the Office were trained at the grassroots level to improve their competence and professional skills of outstanding young talents.

•Two-way training for technicians

We have formulated a training and cultivation program for R&D personnel and continuously strengthened the drive for innovative talents. The first batch of 60 technical and R&D talents carried out two-way training, with 48 R&D personnel going to Dexing Copper Mine, Guixi Smelter, Processing Division and other units for training; 12 technical personnel from related units went to the Institute for training. By doing so, we aim to build a high-level R&D team that is truth-seeking, pragmatic, hard-working and innovative.

•Training for "Bronze Collar" financial talent

On September 12, 2024, the graduation ceremony of Jiangxi Copper's first "Bronze Collar" financial talent training session was grandly held at the Shanghai National Accounting Institute, and 49 students graduated as scheduled. Since its official launch in 2022, 49 trainees have undergone 8 intensive off-job training sessions with a total duration of 84 days. The training covered multiple fields such as Party building, macroeconomics, financial accounting, financial investment, audit internal control, corporate governance, information technology, etc.

•Training for "Rising Bronze Merchants" marketing talents

At the end of 2024, we organized a selection examination for the candidates under the training program for "Rising Bronze Merchants" marketing talents. This project is an important means and way for us to cultivate commercial marketing elites. It is committed to cultivating high-end marketing talents with international thinking and international vision, and focuses on international knowledge input and international faculty configuration.

•Training for foreign employees

In order to improve the skills of Kazakh employees and help the Bakuta Tungsten Mine to go into production smoothly, we arranged 11 Kazakh employees to go to the Company and related units for study from September 8 to 22, 2024. The content included visiting the Jiangxi Copper Exhibition Hall, Guixi Smelter Smelting Workshop, Theoretical and Practical Training at Dexing Copper Mine, and Yongping Copper Mine and Practical Training on Scheelite Testing Technology.



In terms of the development of female employees, in order to improve the theoretical literacy and professional ability of female cadres of Labor Unions at all levels, we held a training course for female cadres from May 21 to 23. Nearly 100 female committee directors, female committee members and female shift team leads from grassroots Labor Unions participated in the training course. The training covered work exchanges among female employees and experience sharing among three female benchmark teams, helping female cadres master effective methods to advance their work. In addition, the training course also arranged lectures on mental health knowledge and organized visits to the "Loving Mommy Hut" to enhance attention and support for the mental health of female employees and accurately help female employees solve various problems they encounter. During the training course, our Labor Union commended 10 "Female-Held Pacesetter Posts" and 14 "Female Pacesetter", encouraging everyone to make greater contributions in offering ideological guidance, improving quality and scoring achievements and showing care and concerns.

Heart Committed to Bronze Dreams Releases SHE Power

As the leader of the Model Worker Innovation Studio at Sizhou Dressing Plant of Dexing Copper Mine, Xu Husheng has integrated the delicacy and tenacity unique to women into the spirit of model workers. Since 2016, she has led her team to complete 42 innovation projects and won many awards and national utility model patents. In eight years, the Studio has created more than RMB 40 million in economic benefits for the company. She also formulated the *Collection of Technical Achievements of the Model Workers Innovation Studio* to promote the application and transformation of innovative achievements. Today, under her leadership, the studio has been upgraded to a provincial-level model worker and craftsman talent innovation studio, demonstrating the style and strength of women in the workplace.



In terms of skill development for front-line employees, we proactively carry out skill training programs for shift team leads and pre-competition training programs for various occupations, and organized a labor competition with the theme of "Gathering Strength in Improving Quality and Efficiency, Working Hard and Seeking Breakthroughs" to promote learning through competitions and excellence through competitions. A total of 7 company-level Olympic competitions were held throughout the year, resulting in generating 9 "Jiangxi Province Technical Experts" and 29 technicians, and the quality of industrial workers was greatly improved. At the same time, in 2024, we proactively participated in various skill competitions, not only winning the top places in many events, but also setting many historical records in the competitions, further improving our overall skill competitiveness.



Skills Training for Shift Team Leads



Skills Competition Practical Operation

Proactively Participate in External Vocational Skills Competitions

- In 2024, the Industry-Education Integration Community of the Nonferrous Metals Industry in Jiangxi Province organized and held the first Human Resources Management Vocational Skills Competition. As a co-organizer, we participated in the whole process and proactively organized employees to sign up for the competition. Among all 75 contestants, they successfully won the top 16 places and occupied 19 seats among the 26 winners, achieving remarkable results.
- In the final of the first National "Red Flag Cup" Shift Team Leads Competition, we won the first, second and third place in the non-ferrous metal event and occupied nine of the top ten seats, setting a record for winning national first-class competitions in Jiangxi Province and breaking the historical best results in the shift team leads skills competition.
- In the 2024 Jiangxi Province "Tiangong Cup" Shift Team Leads Comprehensive Management Skills Competition, 17 people from the company were on the list, and 5 won the individual first prize.
- In the "Chalco Cup" National Nonferrous Metals Industry Vocational Skills Competition, the team won the top four places in the Engineering Surveyor S (Mine Surveyor) Professional Skills Competition, and the second and third place in the Electrician (Smart Factory for Nonferrous Metals Enterprises) Professional Skills Competition, and won the second place in the Final Group Prize, setting a new record in our history of attending the competition.

Innovations in Fostering Model Workers and Master Craftsmen

We manage the selection of our advanced collectives, model workers and advanced workers in accordance with the *Measures of Jiangxi Copper Group Co., Ltd. for Selecting Advanced Collectives and Advanced Workers* formulated by the controlling shareholder Jiangxi Copper Group. Every two years, a batch of Advanced Collectives and Advanced Workers are selected and commended. In 2024, 7 collectives and 19 individuals won honors at the provincial level or above. Among them, the Control Workshop and the fourth shift team of the Drying Section of the Material Preparation Workshop at the Guixi Smelter were awarded the title of "National Worker Pioneer", and Chen Maolin and Xu Qi won the "Jiangxi Province May 1st Labor Medal". Ma Shibing from Guixi Smelter was selected as one of the first batch of Candidate Master Craftsmen of the Nation in Jiangxi Province. We publicized these advanced collectives and individuals on platforms such as "Jiangxi Copper Media" and "Jiangxi Copper E-Home", implemented commendation and reward treatment, and organized more than 100 model workers and technical workers to participate in recuperation activities, creating a good atmosphere of respecting model workers, learning from model workers, striving to become model workers, and caring for model workers in the whole company.



Solemnly Commending the "Good People of Jiangxi Copper", "Benchmark Shift Teams" and Excellent Shift Team Leads



Commending Advanced Collectives and Individuals Who Have Won Honors at the Provincial Level or above

In addition, we continue to construct "Copper Industry" Craftsman College, Model Workers and Craftsman Talent Innovation Studio in Jiangxi Province. By the end of 2024, "Copper Industry" Craftsmen College in Jiangxi Province has been successfully upgraded to Jiangxi Province's Provincial-level Craftsmen College. We currently have one national-level Model Worker and Craftsman Talent Innovation Studio, and 9 provincial-level Model Worker and Craftsman Talent Innovation Studios. With the Craftsman College, Model Workers and Craftsman Talent Innovation Studio as the base, we gave full play to the exemplary and leading role of model workers, highly skilled talents and skilled craftsmen to improve quality and efficiency in accelerating the construction of a high-quality industrial workforce.

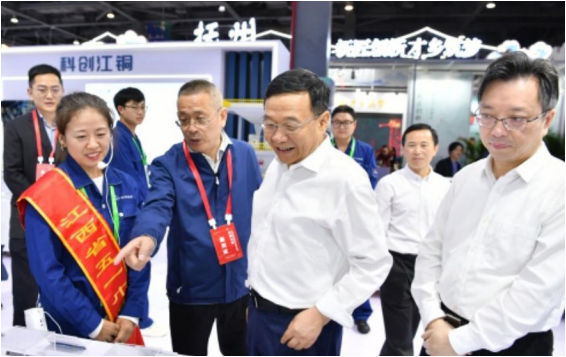
Held the "Chinese Dream • Beauty of Labor" Model Workers and Craftsmen Style Display and Works Evaluation Program

From April to May 2024, our Labor Union held the "Chinese Dream • Beauty of Labor" Model Workers and Craftsmen Style Display and Works Evaluation Program for the first time. A total of 28 works were submitted by 17 units, attracting more than 200 employees in the Nanchang area to watch on-site. The event aimed to promote the spirit of model workers, labor and craftsmanship. By telling the new era stories of Jiangxi Copper's strugglers, it showcased the enterprising spirit and high spirits of the working class, and highlighted the professionalism and concentration of model workers and craftsmen in the new era. It has become a spiritual feast to pay tribute to model workers and enhance the skills of employees.



Participated in the First Workers' Innovation Achievement Exchange Conference of Jiangxi Province

From April to May 2024, we participated in the Outstanding "Gan (Jiangxi Province)" - the First Workers' Innovation Achievement Exchange Conference of Jiangxi Province held in Nanchang, and demonstrated the employees' hard work and innovative spirit through four sections: Craftsmanship in Jiangxi Copper, Science and Technology Innovation in Jiangxi Copper, Digital Jiangxi Copper and Green Jiangxi Copper. Relevant leaders visited the Jiangxi Copper Exhibition Hall and spoke highly of our innovative achievements, encouraging us to set new goals, pursue higher achievements, and lead the development of the industry.



We organized more than 150 employees from 12 units to visit the exhibition. In addition to physical exhibits and video displays, the exhibition site also has exciting interactive experience projects and unique stunt performances, allowing employees visiting the exhibition to fully appreciate the innovative and creative achievements of Jiangxi Copper employees while feeling the infinite power brought by science and technology, and further enhancing their sense of responsibility and urgency for innovative development.

Assistance for Those in Need

We revised the *Measures for Helping and Sending Warmth*, established a leading group for supporting and sending warmth, improved the four-level support organization network covering companies, factories and mines, workshops, and shift teams, and the system for cadres at all levels to contact and support workers in need, proactively carried out voluntary support services, Sisters' Caring and other activities, and truly cared about the needy workers. We focused on implementing support and warmth projects to help the poor, provide financial aid to students, and provide medical assistance. At the same time, we promptly established archival information on needy employees on the National Labor Union Assistance Work Intelligent Platform, and proactively sought special central and provincial financial assistance funds for needy employees.

Visits and Condolences

We have formulated the *Regulations on Visits and Comforts during New Year's Day and Spring Festival* to express comforts to model workers, model Party members, retired cadres, etc. In addition, on special holidays such as the "August 1" Army Day, we took the initiative to visit and express comforts to military-to-civilian cadres and other personnel, and each affiliated unit distributed condolence money at the rate of RMB 500 per person.

Comforts Amid High Temperature

We attached great importance to sunstroke prevention and cooling, and coordinate resources to provide coolness through multiple dimensions, multiple departments and multiple measures. "High temperature comforts" have found their way to the front line teams, and a total of RMB 1.23 million of high temperature comfort funds were allocated throughout the year.

Care for Female Employees

We regularly organize gynecological examinations and "two cancers" screening for female employees, provide female employees with a "happiness insurance" every year, and handle "happiness insurance" claims and condolences for female employees, effectively enhancing the risk resistance ability of their families. In 2024, we organized health psychology lectures for female employees, helped single female employees in difficulties, paid more attention to the protection of special rights and interests of pregnant and lactating female employees, and completed the construction of 5 "Love Mommy Houses", further enhancing the sense of happiness and gain of female employees.

Employee Care

Mutual Aid Protection

We always regard the happy and beautiful life of employees as our goal to pursue, and serving the employees wholeheartedly as our immutable goal. According to the work arrangements of the Jiangxi Province Mutual Aid Association for Security of Workers, we started with building a harmonious enterprise, continuously improves our "Integrated Assistance" pattern, and proactively incorporated mutual assistance into our "Integrated Assistance" system to ensure that the assistance work is meticulous. In 2024, Jiangxi Copper Branch of the Association completed the mutual aid insurance registration for 63,109 people, paid claims and relief funds of RMB 3.2488 million, and benefited 1,128 employees. In addition, in 2024, Jiangxi Copper Branch of the Association won the third prize in the first "Tiangong Cup" Employee Mutual Aid Skills Competition in Jiangxi Province.

Care and Support

We adhere to the concept of "Put people first, pursue mutual benefit and win-win outcome, so that our reform and development results can benefit more employees", follows the principle of "ensuring the basic life of employees' families and embodying our humanistic care", and provide multi-faceted care and support to our employees.We improved the long-term mechanism of assistance and condolences, formed a full-coverage, multi-channel assistance pattern, and created an assistance brand.



Assistance for Employees in Need



High Temperature Comforts

I Cultural and Sports Activities

We attach great importance to cultural and sports activities for employees. By conducting company-wide cultural and sports competitions for employees, offering subsidies to subordinates, building brand cultural and sports activities, and organizing district sports competitions, we fully mobilize the enthusiasm of employees to participate in cultural and sports activities, meet their spiritual and cultural needs, and better promote and convey positive energy of progress, kindness, and beauty, creating a positive and harmonious atmosphere.

In 2024, we carried out 357 cultural and sports activities with 31,651 participants. Among them, 20 company-level cultural and sports competitions such as chess, table tennis, badminton, volleyball, and basketball were held, with 1,964 employees participating in the competitions; 28 secondary unit Labor Unions held 337 cultural and sports activities, with 29,687 people participating.



We organized themed photography, animation, blackboard newspaper and other competitions. More than 20 units proactively created and participated in the competition. A total of 64 excellent photography works, 12 excellent animation works, and 35 excellent blackboard newspaper works were selected.



Photography Works from Staff

We selected and submitted three works with distinct themes to the literary and artistic competition to celebrate the 75th anniversary of the founding of New China. They stood out among 92 participating programs and all won second prizes. Among them, *Setting Sail to Chase Dreams* won the second place in the dance category, *Mountain and Flag* won the third place in the language category, and *Craftsmanship* won the sixth place in the language category.



Participating in the Literary and Artistic Competition to Celebrate the 75th Anniversary of the Founding of New China

In addition, on major holidays such as International Women's Day and National Day, we organized various cultural and sports activities for female employees that were close to them, constantly enriching the spiritual and cultural life of the masses of female employees. We organized female employees to proactively participate in the 2024 "Rosy Books, Fragrant Ganpo" Female Employee Themed Reading Activity. 22 works won provincial-level awards, showing the heroic style of Jiangxi Copper's female employees in the new era.

Occupational Safety and Health

I Occupational Safety and Health Goals and Progress

We have effectively promoted production safety and occupational health management by formulating an annual work plan for production safety, strengthening production safety compliance, facilitating the construction of a professional occupational health and safety management system, and increasing investment in production safety. With the in-depth implementation of the Three-Year Action Plan to Address the Root Causes and Challenges Threatening Work Safety as our priority, we keep a close eye on key areas and key links, conduct safety supervision and inspection on a regular basis, pay close attention to managing risks and identifying and treating potential hazards, see that responsibilities are fulfilled, and continuously consolidate the results of identifying and managing major incidents and potential hazards.

According to the *Notice on Effectively Carrying out Safety and Environmental Protection Work in 2024*, we have made work arrangements in 11 aspects and clearly formulated specific target indicators for occupational safety:

- Overall goals of safety management: General production safety incidents are put under control, and efforts are made to achieve zero serious injuries and accidents listed above, and to eliminate major production safety incidents;
- Specific indicators of occupational safety and health: The average monthly injury rate per thousand people is controlled below 0.53 ‰ ; the occupational health examination rate for on-the-job employees is over 95%; and the dust concentration pass rate is over 85%.

During the reporting period, we did not observe any major or above production safety incidents, the employee occupational health examination rate was 100%, there were no new employees with occupational diseases for many years, the rate of passing safety training programs and holding special operation certificates was 100%, the overall production safety work throughout the year ran smoothly, and safety management was continuously strengthened, providing a strong guarantee for the smooth completion of the production and operation tasks throughout the year.

I Health Management and Occupational Disease Prevention

We adhere to the principle of "prevention first, combination of prevention and treatment", continuously strengthen the occupational health management system and occupational disease screening, and formulate and improve the occupational health management system and operating procedures.

When the labor contract is signed, we proactively inform employees of possible occupational hazards and their consequences, occupational disease prevention measures, etc. during the work process; for employees engaged in work that is exposed to occupational disease hazards, we organize occupational health examinations before their taking up the post, during their taking the post, and at the time of their leaving the post in accordance with regulations and truthfully inform employees of the examination results. During the production process, we continuously improve the working environment by implementing measures such as ventilation and dust removal, and low-harmless and harmless alternatives to harmful substances, and provide employees with labor protection supplies and tools that meet national or industry standards to ensure safe production and occupational disease prevention and control requirements.



Occupational Health and Safety Management System Certification

During the reporting period, we took a series of measures to further improve workplace safety and protect employee health:

- Process technology transformation and upgrading: By eliminating backward technologies, processes, equipment and materials, we can fundamentally improve working conditions and working environment.
- Safety and occupational health education: We take advantage of activities such as "Safety Month", "Occupational Disease Prevention and Control Week", and the "Ankang Cup" Competition to carry out publicity and education on occupational disease prevention and control laws and regulations and occupational health knowledge, and enhance employees' safety awareness and self-protection capabilities.
- On-site supervision and management: We urge all units to strictly follow national standards in the distribution and wearing management of labor protection equipment.
- Internal audit and continuous improvement: We conduct internal audits on the occupational health and safety management systems of all units within our system, identify deficiencies and propose practical improvement measures, and improve production safety levels by optimizing the management system.
- Annual occupational health check-up: We entrust qualified units to carry out detection and evaluation of occupational hazard factors, conduct regular occupational health examinations, establish and improve occupational health monitoring files, and ensure the effective implementation of occupational disease prevention and control work.

I Production Safety Risk Management and Potential Hazards Identification

We strengthen the grading-based management of safety risks by formulating a safety risk list, and proactively eliminate safety risks and potential hazards through special supervision and inspection activities such as large-scale identification and rectification of production safety risks and potential hazards, special campaign to identify and manage high-risk areas (positions), etc., to consolidate the foundation of production safety and improve our overall production safety level.

In terms of safety risk management, we continue to emphasize grading-based management and control of safety risks. On the one hand, each unit conducts a bottom-up re-identification of safety risks every year to achieve comprehensive coverage from shift teams to factories/mines, continuously improve the three-level safety risk list and implement control measures to form a closed-loop management. On the other hand, we have carried out in-depth special inspections and rectifications on high-risk areas and high-risk positions, identified and inspected 164 high-risk areas and 124 high-risk positions or processes, and implemented targeted mechanized replacement of personnel, automated reduction of personnel, and intelligent unmanned transformation and upgrading to effectively improve the inherent safety level.

In terms of identifying potential safety hazards, we adopted the "company leadership + inspection departments + experts" model, combined comprehensive inspections with special inspections, and conducted comprehensive safety and environmental supervision and inspections based on the production safety situation and work priorities faced in different periods, with the focus placed on key areas such as mining, metal smelting, fire protection, and hazardous chemicals. In addition, we regularly conducted on-site supervision and inspection during important holidays and major sensitive periods to ensure production safety. During the reporting period, we conducted 4 comprehensive inspections and 6 special inspections, and found 442 potential safety hazards of various types and made 39 recommendations. All the problems found have been rectified within the time limit, with a rectification completion rate of 100%.



Inspecting Potential Safety Hazards

Measures to Enhance Security Capabilities

Dexing Copper Mine

Realize digitized safety management. Dexing Copper Mine built a comprehensive centralized control center, connected the information management processes such as electronic work tickets, MES, safety and environmental monitoring, vehicles and personnel, and built a comprehensive management platform for resource sharing and interconnection, so as to ensure that basic information on production safety was standardized and complete, dynamic information could be retrieved at any time, the process of identifying and managing potential hazards could be traced, and emergency response could be quick and visible, thereby comprehensively improving the efficiency of digitizing safety management.

Intelligent construction of Dongpo substation. Dongpo Substation has been upgraded to a microcomputer intelligent protection system, realizing the remote one-button sequential control function and remote power-off and power-off operation mode, which has significantly improved production safety. Through the construction of various subsystems, real-time collection of electrical quantities, environmental quantities, physical quantities, state quantities and behavioral quantities of important equipment is realized, and in-depth perception, risk warning and panoramic display of the equipment itself and operating environment are achieved, ensuring the safe and stable operation of the substation.

Wushan Copper Mine

Advancing technological changes at the source of mining methods. Through cooperation with universities on scientific research projects, Wushan Copper Mine has vigorously carried out experiments on efficient mining methods. As of the release of the report, the mining output of medium and deep holes can be stabilized at 2,000t/d, providing technical support for safe underground mining.

Promoting the mechanization and automation of equipment. Wushan Copper Mine has vigorously promoted the mechanization and automation of underground mining operations, and improved work efficiency and quality, significantly reduced personnel operation risks, and ensured production safety by introducing welding robots to replace manual welding and hydraulic shears for cutting wire ropes to replace traditional underground gas cutting wire rope processes.

Realizing remote operation control. By improving the local area network and communication interface, remotely controlled shoveling operations in the mining area and unattended operation of multiple pumping stations have been achieved. Through automatic control and remote control revamp of workshops, the Mine could improve operational safety and reduce safety hazards.



Emergency Drill Site of the Guixi Smelter



Fire Drill

In terms of safety education and training, relying on the themed activities of Safety Production Month, various units arrived out a series of activities featuring novel content, diverse forms and extensive participation of all employees, creating a sound safety atmosphere. In addition, in order to strengthen warning education and improve employees' safety knowledge level, we organized high-frequency and full-coverage activities to watch safety warning education films in the form of "online + offline" modes to effectively strengthen employees' "bottom line" thinking. During the reporting period, more than 10 safety and environmental protection warning and educational films were broadcast, with a total viewing number of approximately 50,000 people.



Chengmenshan Copper Mine Conducting Emergency Management Training Courses

Emergency Drills and Safety Education and Training

In 2024, we further strengthened our emergency management work and revised and issued a company-level production safety accident emergency plan. We have established a leading group to promote emergency drills. Focusing on production realities, we carried out emergency drills in an orderly manner, with unscripted actual drills as the main method and scripted drills as the supplementary method. During the reporting period, units at all levels organized and carried out more than 500 emergency drills of various types, with a total of more than 11,000 participants, effectively improving employees' ability to respond quickly and efficiently when faced with emergencies.

4# Tailings Pond of the Dexing Copper Mine, as the only key unit included in the Corporate Tailings Ponds Database, participated in the "Jiangxi Emergency • 2024" Flood Prevention and Disaster Relief Drill throughout the whole process, and was awarded the title of "Outstanding Group" in the Drill.



"Jiangxi Emergency • 2024" Flood Prevention and Disaster Relief Drill of the Dexing Copper Mine



Guixi Smelter Watching the Safety Warning Education Film



Special Training Session of Yongping Copper Mine on Mine Fire Safety



Taking Our Due Responsibilities and Fulfilling Social Commitments

The sustainable development of Jiangxi Copper relies on the joint support of employees, local communities and global partners. We take assuming social responsibilities as the core of our development, and take fairness, freedom, respect and other human rights as the cornerstone. Adhering to the concept of "fulfilling social responsibilities and being an excellent corporate citizen", we have formed a community co-construction and livelihood assistance path with contemporary characteristics, national characteristics and world standards. We have consolidated our economic foundation, proactively promoted the advancement of human rights, integrated the well-being of the people into the care for vulnerable groups, the support for community services and the tolerance of cultural diversity. We have gathered the strength of various partners and implemented a series of sustainable "investment" projects that take into account both high-quality operating environment and resource support.

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Taking Our Due Responsibilities and Fulfilling Social Commitments

Human Rights and Communities

We advocate the principles of freedom, fairness and mutual respect, and proactively implements the core spirit of the *Universal Declaration of Human Rights*, *National Human Rights Action Plan (2021-2025)* and the Ten Principles of the United Nations Global Compact in domestic and foreign projects. Relying on ESG management, we attach importance to working environment protection, respect local cultures, community infrastructure and economic development during the project implementation. We are also committed to working with partners to promote equal opportunities under freedom and fairness and eliminate all forms of forced labor.

In China, Jiangxi Copper attaches importance to the overall progress of society. Under the concept of China's ESG characteristic social responsibility, it strives to create a more equitable and harmonious living environment for everyone by supporting rural revitalization, promoting community economic development, protecting the rights and interests of residents, and paying special attention to the mental health and educational needs of left-behind children and the elderly in rural areas during the urbanization process. At the same time, we take the development and construction of community infrastructure as our cornerstone, with industrial revitalization as the focus, to allow everyone to enjoy equal development opportunities and promote common prosperity.

In the international market, we always abide by local laws and regulations, highly respects and understands cultural differences, and takes the United Nations Sustainable Development Goals as our guiding principles. We proactively encourage and promote in-depth exchanges and integration between resident staff and local employees and communities, integrate decent work, economic growth, responsible consumption and production into management objectives, and are committed to promoting local infrastructure construction through overseas projects, bringing win-win results for people's well-being and social and economic development. As an important member of the global mining industry, we still need to adapt to various aspects of the world when we go global. But we believe that with mutual understanding and shared sustainable development values, we can work together with our partners, local communities, employees and their families to build a more inclusive and equal world.

Rural Revitalization

In 2024, Jiangxi Copper leveraged the experience of the *Project to Make Thousands of Villages Demonstrative Examples and Renovate Tens of Thousands of Villages* to steadily promote the construction of a beautiful countryside with "four integrations and one commonality". It closely combined the actual situation and development of Yaoqian Village, and carefully created a working model of "three focuses, three-attribute farmers, and three guarantees" to achieve common prosperity driven by industry, and provide precise services to improve the quality and effectiveness of assistance.

• In terms of villagers' daily livelihood needs, we conducted regular home visits to obtain first-hand information in a timely manner, records actions to implement the needs, and incorporates village conditions and public opinion into various work plans. In response to targeted rural revitalization, we regularly visited poverty-stricken households to understand family dynamics; we assisted insured persons in the village to pay for medical insurance and new rural insurance in 2024, and assisted family doctors to regularly visit villagers to check their health; we cooperated with the townships and villages to verify if the "two no worries and three guarantees" and drinking water safety in the village were ensured one by one, and formulate rectification measures, etc.



• In order to provide educational support for the children of villagers, we have set up a "Children's Harbor" and regularly carried out activities to care for left-behind children. Every weekend, we gathered volunteers to provide academic tutoring, red education, interest cultivation, family companionship, self-protection education and other activities for left-behind children. In 2024, we organized a "Going to the Countryside" practice team of college students to carry out more than 10 "Caring for Left-behind Children" series of activities; we launched the "Walk with Love for Children, Care for Growth" charity donation activities, donating 152 sets of schoolbags and other items.

During the reporting period, we directly invested RMB 6.05 million in rural revitalization and poverty alleviation, and RMB 9.743 million in product procurement or material-based assistance; among them, RMB 1.3469 million went to the "New Year's Consumption Assistance Action", RMB 1.7961 million went to the "Golden Autumn Consumption Assistance Action", and RMB 6.6 million went to the "Come on Jiangxi, Benefit Life" campaign to purchase agricultural materials, helping the operating income of village collective to once again exceed RMB 1 million.



Industrial Revitalization Brings Wealth to Farmers

We further tap into our resource endowments and cultivate characteristic industries. In 2024, on the basis of consolidating the existing white lotus, beekeeping, oil tea and other industries in Yaoqian Village, we strengthened the daily management of various industrial bases, improved production and quality, invested RMB 600,000 in assistance funds, fully activated the idle mountain resources in Yaoqian Village, planted 100 acres of nai plum, and further expanded the total scale of the village's industries. At the same time, we purchased more than RMB 1.4 million of agricultural products such as white lotus, honey, and tea oil in the form of "consumption-based assistance", the village collective economy exceeded RMB 1.5 million, three new jobs were created, and farmers' income increased by more than RMB 200,000.

Community Construction "Beauty in the Farmhouse"

We helped improve governance and achieved co-construction and sharing. In line with the local "Beautiful Countryside" construction campaign, we coordinated the infrastructure construction and public service layout of Yaoqian Village, proactively promoted the construction of digital villages, promoted the integration of emerging technologies with grassroots governance, invested RMB 350,000 in assistance funds, and created "Digital Yaoqian". Through the application of three-dimensional panoramic management and improved rural governance, the modernization level of Yaoqian Village's governance system and governance capabilities was effectively improved. At the same time, based on the actual situation of the elderly and children in Yaoqian Village, RMB 480,000 of assistance funds were invested to build a "Happy Home for the Old and the Young" to enhance the sense of belonging of the elderly and children; based on the demands of the villagers, RMB 120,000 of assistance funds were invested to support the village lighting project.

Cultural Revitalization

"Joy in the Farmhouse" We created a cultural atmosphere and advocated healthy trends. In order to create a strong cultural atmosphere and give full play to the role of the Villagers' Cultural Activity Center, we cooperated with Jinggangshan City to carry out one "Red Movies Going to the Countryside" activity and one "Opera Going to the Countryside" activity; we cooperated with the village and township to carry out the program under college students go to the countryside to spread scientific and literacy knowledge and offer medical service to farmers for college students from Nanchang University, Gannan Medical University, etc., organized three art performances for more than 1,000 villagers in Yaoqian Village and surrounding areas; and used the multi-functional stadium to hold more than 10 basketball friendly matches and exchange matches.

Social Welfare

In 2024, we organized and held charity fundraising and sports events for health and the future in cooperation with local charity organizations and governments, focusing on the needs of modern society.As of the end of the reporting period, we participated in Jiangxi Province's "One-Day Charity Donation" event and donated RMB 1.8 million to the Provincial Charity Federation; and sponsored the 2024 Jiujiang City Games and Shangrao City Half Marathon with RMB 1.5 million each.

Jiangxi Copper 2024 Shangrao Half Marathon Kicked off at the Citizen Square

On March 31, 2024, the Jiangxi Copper 2024 Shangrao Half Marathon started at the Shangrao Citizen Square in Jiangxi Province. About 15,000 runners from all over China participated in the competition, including 6,500 in the half marathon and 8,500 in the mini fun run. Compared with previous events, this event is themed on "Sports as the stage, culture and tourism as the performers", combining culture, tourism and industrial characteristics.



The 14th Jiujiang City Sports Games Opened at the Ruichang Sports Park Stadium

On October 22, 2024, the 14th Jiujiang Sports Games sponsored by we opened at the Ruichang Sports Park Stadium in Jiujiang City, Jiangxi Province. The event has a youth division and a social division, with nearly 7,000 athletes from across the city competing in 26 major events and 478 minor events.



Continuing the Spirit of Lei Feng, Jiangxi Copper Got Deeply Engaged with the Community to Pass on the Power of Role Models

March 5, 2024 is the 61st "Learn from Lei Feng Memorial Day" and the 25th "China Youth Volunteer Service Day". In order to vigorously promote the Lei Feng spirit and the volunteer service spirit of "dedication, friendship, mutual assistance and progress", Jiangxi Copper Headquarters and its affiliated units proactively organized activities to learn from Lei Feng and build communities.

Office, Trade Division

On March 3, 2024, our Youth League Committee, the Trade Division, and the Youth League Committee of the High-tech Hospital of the First Affiliated Hospital of Nanchang University jointly carried out free medical consultations, which included blood pressure and blood sugar measurements, thyroid examinations, and subjects such as cardiology and dentistry.



Dexing Copper Mine

From March 2 to 5, 2024, Dexing Copper Mine and its affiliated units at all levels organized volunteer service activities such as public health maintenance, caring for empty-nest elderly and left-behind children, safe use of electricity on campus, railway safety publicity, and anti-fraud publicity in various communities and factory areas of the mine, Zongru Village, Lizhai Township, Dexing City, and Dexing Copper Mine Central Primary School.



Guixi Smelter

On March 3, 2024, Guixi Smelter, in conjunction with the community and other units, organized 36 young volunteers to carry out concentrated volunteer service activities at the Guixi Smelter Cultural Square, including computer repairs, health checks, free haircuts, anti-fraud publicity and other projects; by collecting door-to-door service needs in advance, organizing volunteer teams to go door-to-door to provide residents with computer troubleshooting and washing machine drum cleaning services.



Continuing the Spirit of Lei Feng, Jiangxi Copper Got Deeply Engaged with the Community to Pass on the Power of Role Models

Wushan Copper Mine

On March 3, 2024, the Wushan Copper Mine "Copper Youth" Young Volunteer Service Team went to the mining area to carry out the themed activity of "Inheriting the Lei Feng Spirit and Youth Volunteers Walking Together". More than 40 young people in the service team provided voluntary services of respecting and loving the elderly, including washing clothes, cutting hair, and making dumplings for the elderly living alone; they carried out comprehensive civilized and sanitation improvement in the surrounding communities, and provided convenient services such as inspection, lubrication, maintenance and repair of fitness and entertainment facilities throughout the mine.



Fulfillment of Responsibilities Overseas

We attach importance to the differences in cultural and social needs faced by overseas mining projects, as well as diverse demands such as natural environment protection and local infrastructure construction. We hope to use project operations as an opportunity to bring a modern, sustainable economic model based on ESG to the countries and regions where we are located, to protect the local ecology to the greatest extent possible, understand and integrate ourselves into local culture, ensure safety and hygiene, and develop education and infrastructure.

At the same time, we have incorporated environment, society and governance into the pre-investment/mid-term risk assessment of overseas mining areas when conducting equity investment. In the post-investment stage, based on compliance with local laws, environmental protection and community needs, we proactively assume social responsibility through donations, educational assistance, medical assistance, road construction, recruitment of local residents, etc., to close the full life cycle management of investments.

Peru Lumina Project

We have established a good interactive relationship with the local community by gaining an in-depth understanding of the local community and disclosing information with high transparency and proactive communication.

- In-depth Research and Understanding: We got ourselves updated on the political environment and community economy in the area surrounding the project and met with community managers to update survey statistics for the populations in surrounding directly impacted areas and indirectly impacted areas.
- Proactive Communication: We continuously adjusted, communicated and updated environmental information assessments according to local community needs, organized and participated in 11 community village meetings, 1 Encanada municipal meeting, and 3 Cajamarca Regional Government representative meetings.
- Community Activities and Interactions: Community residents, government representatives, and school teachers and students were invited to participate in 14 community information exchange meetings, and professionals from various industries gave knowledge lectures to help local residents master skills closely related to life, such as yogurt making, white syrup making, and greenhouse cultivation.

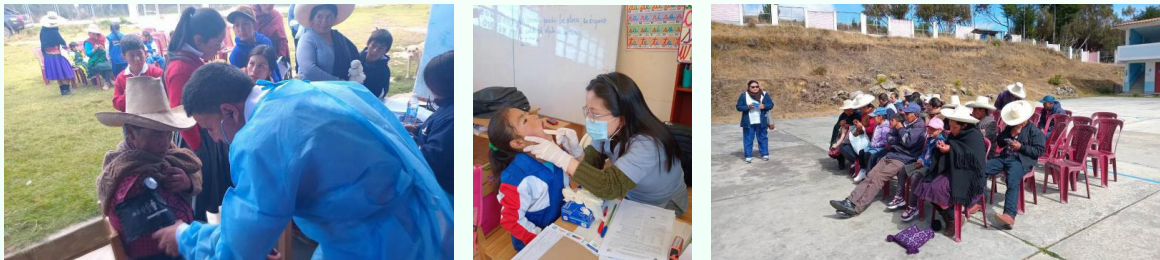
Peru Lumina Project

- Local Medical Support: We organized six free medical consultations, benefiting a total of 436 beneficiaries; in the community health care center, we hired two medical staff at a salary of 91,000 Peruvian soles per year to support local medical work.
- Educational Support: We specially hired 17 teachers to support local education; continued to support teacher transportation subsidies for community education institutions, providing transportation support for 99 teachers; in March 2024, we launched an education donation project for 673 students and 96 teachers in 30 educational institutions in 15 villages. As of the end of the reporting period, the total amount of the education support project was 613,000 Peruvian soles.
- Environmental Protection: We provided water quality testing for the community on a quarterly basis and invited residents to participate in the entire process, provided analysis results to the community water quality management committee and relevant functional departments of the authorities, and organized residents and government representatives to participate in water quality results publicity meetings.



Education Donation

Locally Hired Teachers



Free Medical Consultation

Aynak Project in Afghanistan

The Aynak Copper Mine is one of the world's largest copper deposits that has been discovered but not yet developed. After 16 years of multi-national mining rights disputes, it urgently needs to be restarted.

After conducting in-depth research on the local government, culture, economy and actual people's livelihood development needs, Jiangxi Copper implemented two donations to support local construction in 2024, totaling \$8,000.

Supporting Local School Construction: On March 25, 2024, we provided \$1,000 in construction funds for Imam Abu Hanifa's youth religious school in Kabul.

Local Mining Talent Training: On May 16, 2024, we provided financial support for a capacity building training course for the employees of the Ministry of Mines, which was highly valued by the Minister of Mines and highly praised by officials at all levels of the Ministry of Mines, creating favorable conditions for effective and adequate communication between the two parties.



Capacity Building Training for Employees in the Ministry of Mining

Appendix I: Special Report on Climate Information Disclosure

Governance

Responding to climate change is an important issue in the ESG development of Jiangxi Copper, and we attach great importance to the construction and improvement of climate governance capabilities. We have fully incorporated the governance responsibility for addressing climate change into the ESG governance framework. Each level in Jiangxi Copper has refined the overall climate-related work according to ESG management responsibilities, and collaborated with each other to jointly promote our climate governance.

The ESG Development Committee under the Board of Directors is responsible for formulating, reviewing and supervising our overall work on climate response, including the formulation and review of climate goals and strategic plans, the review of climate change policies and management guidelines, and the supervision of the achievement of climate goals and indicators; working with the Risk Management Committee to regularly review and monitor our climate risks and opportunities in its business operations, and incorporating climate risks into our overall risk assessment process and management system.

The ESG Working Group is responsible for leading our climate-related work and ensure that the work requirements of ESG Development Committee are fully implemented. The Environmental Working Group is responsible for managing the promotion and implementation of our specific climate-related work.

In 2024, our controlling shareholder, Jiangxi Copper Group, established a Leading Group for Carbon Emission Management to guide and arrange for carbon emission management tasks, review the medium- and long-term plans for carbon emission management, and discuss and decide on major issues in carbon emission management. The Office of the Leading Group for Carbon Emission Management is located in our Safety and Environmental Protection Department.

*This report has disclosed our ESG and climate governance structure in detail. For more information, please refer to the "ESG Structure" section of the "Pursuing Sustainable Development by Creating a Prosperous Ecology" chapter of this report.

Strategy

In 2023, our controlling shareholder, Jiangxi Copper Group, formulated the *Strategic Planning for Carbon Peaking and Carbon Neutrality of Jiangxi Copper Group*. Adhering to the four basic principles of "saving first, innovation-driven, coordinated development, and safe carbon reduction", with low-carbon technology enabled innovative decarbonization action, energy structure optimization enabled zero-carbon action, circular economy enabled coordinated carbon reduction action, carbon control action enabled by digital empowerment management, action to build green supply chain, action to expand green investment and financing, action to improve carbon emission management, action to promote low-carbon behaviors by all employees and action to build us as a carbon reduction pioneer in place, we aim to make overall arrangements for our climate governance work. In 2024, Jiangxi Copper Group further formulated a supporting document, *Carbon Emission Management Measures of Jiangxi Copper Group Co., Ltd. (Trial)*, to regulate carbon emission monitoring and accounting, carbon emission and emission reduction management, carbon emission rights trading, and carbon emission information reporting.

Jiangxi Copper fully responds to the Group's strategic planning and arrangements, and has recognized the significant impact of climate change on its business operations and the entire value chain. Through in-depth research interviews and detailed desk research, we, in combination with the characteristics of industry development, comprehensively analyzed the climate risk exposure of various business activities in the entire value chain, systematically identified and assessed the climate-related risks and opportunities that we and our local mining bases may face in the short, medium or long run, as well as the financial impact on us, and continuously improved our climate resilience through a series of effective measures.

*This report has disclosed in detail our detailed measures and practices in addressing climate risks and promoting green transformation. For more information, please refer to the "Putting Green Development First to Create a Sustainable Future" section of this report.

Physical Risk Assessment and Analysis

	Risk Type	Impact of Risks on Business Models	Possibility of Occurrence	Severity of Impact	Impact Cycle	Irremediability	Impact on Value Chain	Potential Financial Impact	Overall Risk Level
Acute	Typhoon/ Storm Surge	Impact on production: It may lead to power supply interruption, physical damage to production facilities in factories and mines, etc., resulting in shutdown; Impact on transportation and supply chain : It may cause road damage and suspension of railway and highway systems, affecting logistics transportation and employee commuting, and causing supply chain disruptions; Impact on security : It may pose a threat to the production safety of some employees working outdoors; Impacts from other disasters: It may cause flooding and bring secondary impacts;	Low	Low	Short-term	Low	Production operations, supply chain	Increased operating costs; Reduced income; Impairment of fixed assets;	Low
	Heavy Rain and Flooding	Impact on production: It may flood factories and mining areas, leading to power outages and physical damage to production facilities, causing shutdowns and production stoppages; Impact on transportation and supply chain: It may cause road flooding, affecting logistics transportation and employee commuting, causing supply chain disruptions; Impact on security : It may pose a safety hazard to employees and surrounding communities; Environmental impact: It may cause the collapse of facilities such as tailings dams, causing environmental pollution; the pressure on wastewater treatment will increase, and the amount of water discharged will increase; Impacts from other disasters: It may trigger landslides/ mudslides, bringing secondary impacts;	Middle	Middle	Short-term and medium-term	Middle	Production operations, supply chain	Increased operating costs; Reduced income;	High
	Wildfire	Impact on production: It may lead to interruption of water and electricity supply, affecting factory and mining areas, physical damage to production facilities, etc., resulting in shutdown; Impact on transportation and supply chain: It may affect traffic routes, logistics and employee commuting, and cause supply chain disruptions; Security Impact: Threaten employee safety, may cause a decline in air quality, and thus affect employee health; may pose a safety hazard to surrounding communities; Environmental impact: Changes to the mining area's ecological environment will lead to a reduction in biodiversity, affecting our environmental protection and sustainable development strategies;	Low	High	Short-term, medium-term, long-term	High	Production operations	Increased operating costs; Reduced income; Impairment of fixed assets;	High
	Landslide/ Mudslide	Impact on production: It may lead to interruption of water and electricity supply, affecting factory and mining areas, physical damage to production facilities, etc., resulting in shutdown; Impact on transportation and supply chain: It may cause road damage, affecting logistics transportation and employee commuting, causing supply chain disruptions; Impact on security: It may pose a threat to open pits and underground mines, increases the risk of accidents, and threatens the lives of employees; Environmental impact: It may cause leakage from tailings ponds or other places where hazardous substances are stored, causing environmental pollution;	Low	High	Short-term, medium-term, long-term	High	Production operations, supply chain	Increased operating costs; Reduced income; Impairment of fixed assets;	High
	Extreme Heat	Impact on production: This may lead to a decrease in the operating efficiency of production equipment and affect production progress; Impact on security: Working in a high temperature environment for a long time will threaten the health of employees and may cause health problems such as heat stroke and dehydration; Environmental impact: Increased use of additional refrigeration/cooling facilities for production operations, increased energy consumption, and increased carbon emissions; Impacts from other disasters: It may cause wildfires and bring secondary impacts;	Middle	Low	Short-term, medium-term, long-term	Low	Production operations	Increased operating costs;	High

Risk Type		Impact of Risks on Business Models	Possibility of Occurrence	Severity of Impact	Impact Cycle	Irremediability	Impact on Value Chain	Potential Financial Impact	Overall Risk Level
Acute	Extreme Cold Temperatures	Impact on production: This will lead to a decreased operating efficiency of production equipment and affect production progress; Security Impact: Outdoor workers may pose a risk of frostbite; Environmental impact: Increased use of additional heating/heating facilities for production operations, increased energy consumption, and increased carbon emissions;	Low	Low	Short-term, medium-term, long-term	Low	Production operations	Increased operating costs;	Low
	Changes in Precipitation Patterns	Impact on production: Water stress and drought may lead to water shortages and unstable water supply, affecting production progress or even interrupting it;	Middle	Middle	Long-term	High	Production operations	Increased operating costs; income reduction;	High
Chronic	Average Temperature Rise	Impact on production: The annual temperature increase may lead to an increase in the load on production equipment and affect production progress; Environmental impact: Increased cooling demand for production equipment, increased energy consumption, and increased carbon emissions; Impact on transportation and supply chain: Rising sea levels may affect port infrastructure and logistics;	Middle	Low	Long-term	High	Production operations	Increased operating costs; Reduced income;	Middle

Assessment and Analysis of Risks and Opportunities Arising from Transformation

Risks/Opportunities		Impact of Risks/Opportunities on Business Models	Possibility of Occurrence	Severity of Impact	Impact Cycle	Irremediability	Impact on Value Chain	Potential Financial Impact	Overall Risk Level
Risks	Policy and Legal Risks	Compliance impact: The government and regulatory compliance requirements for environmental protection and carbon emissions are becoming stricter, such as pressure from energy-saving and emission-reduction policies, increased pressure from carbon emission verification and disclosure requirements, carbon pricing mechanisms and carbon taxes, etc.	High	High	Short-term, medium-term, long-term	High	Full value chain	Increased operating costs; Increase in non-operating expenses;	High
	Market, Product and Service Risks	Impact on energy structure: Insufficient fossil fuel supply, volatile energy prices, and increased demand for green electricity procurement; Impact on market demand: Market and customer preferences change, and demand for green and low-carbon products and services increases;	High	High	Medium-term and long-term	Low	Production operations, supply chain, marketing	Reduced income; Increased financing costs;	Middle
	Technological Change Risk	Impact on production: Traditional technology is not suitable for new demands, which affects production; Impact on investments: The need for R&D and investment in low-carbon transformation technologies and projects may involve risks of failure;	High	Middle	Medium-term and long-term	Low	Production operations	Increased operating costs; Reduced income;	Middle
	Reputational Risk	Impact on reputation: The public and stakeholders are increasingly concerned about companies' climate actions. If a company performs poorly in addressing climate change or has a lack of transparency, its reputation and corporate image will be affected.	High	High	Medium-term and long-term	High	Full value chain	Increased operating costs; Reduced income; Increased financing costs;	High
Opportunities	Opportunities in Resource Efficiency and Energy Sources	Technology: There is an opportunity to invest in greener, lower-carbon, more efficient production technologies; Energy: There is an opportunity to optimize the energy structure, increase the proportion of renewable energy, and reduce energy consumption and emissions; Production: There is an opportunity to further implement the concept of circular economy and green production, and the production model promotes enterprise transformation;	High	High	Medium-term and long-term	Low	Production operations	Increased operating costs; Increased income;	High
	Market, Product and Service Opportunities	Market: Opportunities to enter markets that require new technologies and materials to meet new standards; Product: There is an opportunity to optimize product mix and quality, and increase the proportion of green products to meet customer needs; Brand: There is an opportunity to establish a sustainable corporate image and attract more sustainable investors and consumers;	High	High	Medium-term and long-term	Low	Full value chain	Increased income; decreased financing costs;	High

Risk Management

Jiangxi Copper is committed to promoting the deep integration of climate risks and our comprehensive risk management. We refer to the recommended framework of international standards such as the *International Standard on Sustainability Disclosures in Financial Reports (ISSB) No. 2 - Climate-related Disclosures*, and combine our own comprehensive risk management system to continuously improve the processes of climate risk identification, assessment, management and disclosure.



Indicators and Targets

In response to climate change, our controlling shareholder, Jiangxi Copper Group, has set clear three-stage climate goals for "2025-2030-2060":

- 2025

The energy efficiency level and carbon emission intensity will reach the domestic industry-leading level, comprehensive energy consumption for RMB 10,000 of output value will be reduced by 18% compared with 2020, and carbon emissions per RMB 10,000 of output value will be reduced by 20% compared with 2020.
- 2030

The smelting energy efficiency level and carbon emission intensity will reach the international advanced level, and we strive to achieve carbon peaking in 2029.
- 2060

We will fully realize green, low-carbon and circular development, achieve internationally leading energy efficiency and carbon emission intensity, and become a leader in low-carbon development of the global nonferrous industry chain.

Jiangxi Copper Industry responded positively and implemented dual control over total carbon emissions and intensity. The carbon emission intensity indicator includes carbon dioxide emissions per RMB 10,000 of output value and carbon dioxide emissions per unit product. In addition, we also proactively facilitated each business unit to formulate its own climate-related goals and indicators covering carbon, energy, water resources and solid waste.

In 2024, our total greenhouse gas emissions stood at 2,199,700 tons of carbon dioxide equivalent, a year-on-year decrease of 3.85%; of which emissions falling under Scope I stood at 247,100 tons of carbon dioxide equivalent, and emissions falling under Scope II stood at 1,952,600 tons of carbon dioxide equivalent; the greenhouse gas emission intensity stood at 0.042 tCO2/10,000 RMB operating income.

Our total investment in climate/environmental protection stood at RMB 404 million, with equity investment in climate/environmental protection amounting to RMB 78.25 million. There was no climate and environmental loss and the compensation cost was zero.

*This report has disclosed in detail the key climate-related indicators and targets we have selected and the calculation methods of each indicator. For more information, please refer to the "Putting Green Development First to Create a Sustainable Future" section and "Appendix II Overview of Annual ESG Performance" of this report.

Appendix II: Annual ESG Performance Overview

Economic Performance

Financial Indicators

Products	Unit	2024 Data	2023 Data	2022 Data	2021 Data	2020 Data
Operating income	100,000,000 RMB	5,209.28	5,218.93	4,799.38	4,427.68	3,185.63
Total profit	100,000,000 RMB	91.09	83.80	74.92	73.01	33.36
Net profit attributable to parent	100,000,000 RMB	69.62	65.05	59.94	56.36	23.20
Total assets at the end of the period	100,000,000 RMB	1,931.28	1,681.51	1,673.31	1,610.35	1,408.82
Total amount of dividends	100,000,000 RMB	24.17	20.78	17.31	17.31	3.46

Business Indicators

Products	Unit	2024 Data	2023 Data	2022 Data	2021 Data	2020 Data
Cathode copper	10,000 Tons	229.19	209.73	183.94	178.22	164.07
Gold	Tons	118.26	112.64	88.80	71.66	78.59
Silver	Tons	1,214.18	1,351.54	1,232.72	1,123.71	1,126.39
Sulfuric acid	10,000 Tons	604.12	595.79	541.64	530.11	511.83
Copper processing products	10,000 Tons	206.95	181.79	176.74	165.17	147.13
Copper in self-produced copper concentrate	10,000 Tons	19.97	20.20	20.44	20.23	20.86

Scientific and Technological Innovation

Indicators	Unit	2024 Data
Number of patents	Pieces	885
Including: number of invention patents	Pieces	199
Number of newly authorized patents	Pieces	198
Including: Number of newly authorized invention patents	Pieces	30
Investment in scientific and technological research and development	100,000,000 RMB	60.13
Total amount of incentives for transformation of scientific and technological achievements	100,000,000 RMB	3,339.66

Information of Suppliers

Indicators	2024 Data		2023 Data		2022 Data	
	Quantity (Companies)	Proportion (%)	Quantity (Companies)	Proportion (%)	Quantity (Companies)	Proportion (%)
Number of suppliers in Jiangxi Province	341	28.14%	353	27.86%	344	27.72%
Number of suppliers from other provinces	854	70.46%	895	70.64%	878	70.75%
Number of suppliers from Hong Kong, Macao and Taiwan	3	0.25%	3	0.24%	3	0.24%
Number of overseas suppliers	14	1.16%	16	1.26%	16	1.29%
Total	1,212	100%	1,267	100%	1,241	100%

Information of Procurement

Indicators	Unit	2024 Data	2023 Data
Percentage of procurement expenditure by suppliers in Jiangxi Province	%	58%	56.87%
Percentage of procurement expenditure by domestic suppliers	%	99.78%	95.78%
Localisation substitution rate	%	95%	94.00%

Information of Products

Indicators	Unit	2024 Data
Product Quality		
Recall rate for sold or shipped products (excluding copper processing and other small products)	%	0
The number of sold or shipped products that have been complained about (excluding copper processing and other small products)	Pieces	0
Product complaint resolution rate	%	100%
Product passing rate (mineral products)	%	100%
Customer satisfaction rate	%	100%
Product Packaging		
Consumption of timber	Tons	5,653

Governance Performance

Information of the Board of Directors, the Board of Supervisors and the General Meeting of Shareholders

Indicators	Unit	2024 Data	2023 Data	2022 Data
Board of Directors				
Total number of people	Persons	8	10	11
Internal executive director	Persons	3	4	5
External director	Persons	2	2	2
Independent non-executive director	Persons	3	4	4
Female director	Persons	2	0	0
Proportion of independent non-executive director	%	37.5%	40%	36.36%
Proportion of female director	%	25%	0	0
Meetings of the Board of Directors, the Board of Supervisors and the General Meeting of Shareholders				
Total number of times	Occurrences	17	14	24
Number of the Meeting of the Board of Directors	Occurrences	10	8	13
Number of the Meeting of the Board of Supervisors	Occurrences	4	4	8
Number of the General Meeting of Shareholders	Occurrences	3	2	3

Information of Disclosure

Indicators	Unit	2024 Data	2023 Data	2022 Data
Total disclosure report	Copies	249	158	203
Including:Periodic announcement	Copies	4	4	4
Interim announcement	Copies	245	154	199
Regulatory announcement	Copies	0	0	0

Information of Other Governance Statistics

Indicators	Unit	2024 Data	2023 Data	2022 Data
Number of investor exchange activities conducted	Occurrences	70+	40+	35
Number of internal and external training sessions on corporate governance	Occurrences	13	17	18
Total number of stakeholder complaints and reports	Occurrences	0	0	0

Environmental Performance

Environmental Performance

Indicators	Unit	2024 Data	2023 Data	2022 Data	2021Data	2020Data
Total investment in environmental protection	100,000,000 RMB	4.04	5.45	12.20	7.86	3.29
Total investment in ecological restoration	100,000,000 RMB	1.20	0.91	3.20	2.86	0.94
Total area of ecological restoration	Hectares	108.21	101.01	272.00	234.68	59.19

Greenhouse Gas Emissions¹⁰

Indicators	Unit	2024 Data	2023 Data	2022 Data	2021Data	2020Data
Greenhouse gas emissions (Scope I)	10,000 tons of CO2 equivalent	24.71	26.31	27.22	28.81	28.23
Greenhouse gas emissions (Scope II)	10,000 tons of CO2 equivalent	195.26	202.46	204.29	188.16	192.20
Total greenhouse gas emissions	10,000 tons of CO2 equivalent	219.97	228.77	231.51	216.97	220.43
Greenhouse gas emission intensity	10,000 tons of CO2 equivalent/100,000,000 RMB operating income	0.042	0.044	0.048	0.049	0.069

Energy Structure and Consumption

Indicators	Unit	2024 Data	2023 Data	2022 Data	2021Data	2020Data
Comprehensive energy consumption	tonne of coal equivalent	554,985.46	569,852.92	583,156.11	582,964.68	589,282.27
Comprehensive energy consumption intensity	tonne of coal equivalent/10,000 RMB operating income	0.011	0.011	0.012	0.013	0.018

10 Explanation of Calculation Methodology: Our company is committed to energy conservation and emission reduction, and in recent years, our greenhouse gas emissions have been decreasing annually. For carbon emission calculations, we adopt the latest nationally published power sector CO2 emission factors.

Energy Structure and Consumption

Indicators		Unit	2024 Data	2023 Data	2022 Data
Direct energy	Gasoline	tonne of coal equivalent	518.64	469.20	430.19
	Diesel	tonne of coal equivalent	72,214.20	76,259.73	78,683.40
	Natural gas	tonne of coal equivalent	35,415.54	38,404.57	40,566.73
	Heavy oil	tonne of coal equivalent	14,697.99	17,006.25	17,457.21
Indirect energy	Purchased electricity	tonne of coal equivalent	428,463.63	433,073.01	435,453.64
	Purchased steam	tonne of coal equivalent	3,675.45	4,640.16	10,564.94
Renewable energy	Usage	10,000 Kilowatt-hours	10,205.70	/	/
	Proportion	%	2.26%	/	/

Atmospheric Emissions

Indicators		Unit	2024 Data	2023 Data	2022 Data	2021 Data	2020 Data
Emission Factor	Sulfur dioxide	Tons	774.95	774.51	1,239.00	1,458.51	1,453.50
	Particulate matter	Tons	43.53	88.07	181.57	196.67	209.75
	Nitrogen oxide	Tons	62.68	39.28	/	/	/

Waste Disposal

Indicators	Unit	2024 Data	2023 Data	2022 Data	2021 Data	2020 Data
General waste	10,000 tons	3.68	8.14	7.20	7.00	8.06
Hazardous waste	10,000 tons	6.16	3.90	3.95	4.13	3.94

Water Resources and Wastewater Discharge

Indicators		Unit	2024 Data	2023 Data	2022 Data	2021 Data	2020 Data
Water resources	Total water consumption	10,000 tons	106,202.37	95,979.87	83,634.33	77,691.70	83,713.00
	New water consumption	10,000 tons	3,595.08	/	/	/	/
	Circulating water consumption	10,000 tons	102,601.15	/	/	/	/
	Total water intensity	10,000 tons/100,000,000 RMB operating income	20.39	18.39	17.43	17.55	26.28
	Reuse rate of industrial water	%	96.61 %	95.77%	94.90%	95.86%	95.67%
Emission Factor	Total wastewater discharge	10,000 tons	4,783.28	5,311.17	4,048.20	5,392.37	5,448.16
	COD	Tons	1,106.34	1,024.79	1,011.00	1,054.09	1,404.77
	Ammonia, Nitrogen	Tons	68.08	59.90	56.20	58.08	133.68
	Copper	Tons	0.96	0.55	1.53	1.02	1.45
	Zinc	Tons	4.13	2.62	1.68	2.61	2.42
	Lead	Tons	0.87	1.02	1.34	1.58	1.97
	Suspended solids discharge	Tons	988.65	551.11	561.58	262.34	332.57

Tailings Disposal

Indicators	Unit	2024 Data	2023 Data	2022 Data	2021 Data	2020 Data
Production of tailings	10,000 tons	5,341.90	5,288.00	5,442.44	5,454.66	5,519.49
Overall utilization of tailings	10,000 tons	2,150.60	1,749.13	925.21	829.24	698.46
Tailings recycling rate	%	40.26%	33.08%	17.00%	15.20%	12.65%

Social Performance

Employment

Indicators			2024 Data		2023 Data		2022 Data	
			Number of people (persons)	Proportions (%)	Number of people (persons)	Proportions (%)	Number of people (persons)	Proportions (%)
Number of employees	Total number of people		26,411	100%	26,066	100%	25,051	100%
	Gender	Male	22,446	84.99%	22,138	84.93%	21,224	84.72%
		Female	3,965	15.01%	3,928	15.07%	3,827	15.28%
	Age	30 and under	6,082	23.03%	5,524	20.04%	4,205	16.79%
		31-40	6,275	23.76%	6,368	24.43%	5,669	22.63%
		41-50	6,258	23.69%	6,316	24.23%	6,648	26.54%
		Above 50	7,796	29.52%	8,158	31.30%	8,529	34.05%

Indicators			2024 Data		2023 Data		2022 Data	
			Number of people (persons)	Proportions (%)	Number of people (persons)	Proportions (%)	Number of people (persons)	Proportions (%)
Number of employees	Education	PhD	275	1.04%	185	0.71%	106	0.42%
		Master	1,015	3.84%	846	3.25%	638	2.55%
		Bachelor	6,139	23.24%	5,777	22.16%	4,701	18.77%
		College	5,867	22.21%	5,537	21.24%	4,887	19.51%
		Technical secondary school	1,795	6.80%	1,685	6.46%	1,582	6.32%
		Vocational school	2,554	9.67%	2,719	10.43%	2,745	10.96%
		High school	2,978	11.28%	3,182	12.21%	3,404	13.59%
		Junior high and below	5,788	21.92%	6,135	23.54%	6,988	27.90%
	Regions	Jiangxi	17,098	64.74%	17,644	67.69%	16,660	66.50%
		Beijing	4	0.02%	5	0.02%	6	0.02%
		Sichuan	/	0.00%	50	0.19%	50	0.20%
		Tianjin	299	1.13%	193	0.74%	337	1.35%
		Guangdong	661	2.50%	715	2.74%	525	2.10%
		Shanghai	143	0.54%	163	0.63%	244	0.97%
		Shandong	8,159	30.89%	7,287	27.96%	7,182	28.67%
		Hong Kong	47	0.18%	9	0.03%	47	0.19%
	Category	Management personnel	4,404	16.67%	4,389	16.84%	4,022	16.06%
		Engineering and technical personnel	3,321	12.57%	3,249	13.16%	3,138	12.53%
		Production operator	15,981	60.51%	16,110	61.80%	15,755	62.89%
		Service operator	2,224	8.42%	1,796	6.89%	1,710	6.83%
		Off-duty personnel	481	1.82%	342	1.31%	426	1.70%

Indicators	Unit	2024 Data	2023 Data	2022 Data
Employment rate of local staff	%	64.74%	67.79%	66.50%
Proportion of female employees	%	15.01%	15.07%	15.28%
Proportion of vulnerable employees	%	1.08%	1.28%	0.97%
Proportion of ethnic minority employees	%	1.23%	1.58%	1.61%
Proportion of foreign employees	%	0.02%	0.004%	0.004%

Employee Turnover

Indicators			Unit	2024 Data	2023 Data	2022 Data
Employee turnover rate	Total turnover rate		%	4.14%	2.08%	5.98%
	Gender	Male	%	3.28%	1.68%	4.73%
		Female	%	0.86%	0.40%	1.25%
	Age	20 and under	%	0.13%	0.06%	0.08%
		Age 21-30	%	1.66%	1.34%	0.93%
		Age 31-40	%	1.26%	0.53%	0.94%
		Age 41-50	%	0.68%	0.08%	0.81%
		Age 51-60	%	0.41%	0.07%	3.22%
	Education	PhD	%	0.10%	0.11%	0.02%
		Master	%	0.30%	0.37%	0.20%
		Bachelor	%	1.15%	0.70%	1.01%
		College	%	0.87%	0.48%	0.83%
		High school and below	%	1.71%	0.41%	3.91%
	Regions	Within Jiangxi Province	%	1.70%	1.04%	5.39%
		Outside Jiangxi Province	%	2.44%	1.04%	0.58%
Employee turnover ¹¹			Persons	2,720	4,095	2,391

Employee's Rights and Interests

Indicators	Unit	2024 Data	2023 Data	2022 Data
Signing rate of labor contract	%	100%	100%	100%
Social security coverage rate	%	100%	100%	100%
Occupational health examination rate of employees	%	100%	100%	100%
Basic salary of employees	100,000,000 RMB	12.00	11.62	7.27
Employee allowance	100,000,000 RMB	2.18	2.21	1.66
Executive remuneration	100,000,000 RMB	0.13	0.13	/

11 The statistics are for additions plus reductions, excluding retirements and deaths.

Staff Training

Indicators	Unit	2024 Data	2023 Data	2022 Data
Total number of persons covered by training	Persons	17,662	17,365	19,364
Total number of training sessions covered	Person-Occurrences	58,426	57,307	56,553
Total hours of training	Hours	1,413,060	1,405,080	1,438,566
Training hours per capita	Hours/person	80.01	80.91	74.29
Total investment in vocational training	10,000 RMB	2,280	2,221	1,632

Production Safety

Indicators	Unit	2024 Data	2023 Data	2022 Data	2021 Data	2020 Data
Number of work-related deaths	Persons	1	0	1	1	1
Work-related deaths rate	%	0.004%	0%	0.004%	0.004%	0.004%
1,000,000 man-hours accident rate	%	0.21%	0.56%	0.20%	0.22%	0.38%
Total investment in production safety	100,000,000 RMB	8.77	5.42	6.30	4.52	3.92

Information of Rural Revitalisation and Public Charities

Indicators	Unit	2024 Data	2023 Data
Number of employees in difficulty visited	Persons	108	136
Difficulty employee benefits	10,000 RMB	39.13	22.48
Poverty alleviation funds (rural revitalisation assistance) inputs	10,000 RMB	605	591
Procurement of Poverty Alleviation Products Amounting to RMB	10,000 RMB	974.30	488.25
Charitable donations	10,000 RMB	180	170
Donation of Public Welfare and Charity Goods Amounting to RMB	10,000 RMB	300	/

Appendix III: Index Table

Environmental, Social and Governance Reporting Code published by HKEX

Contents			Corresponding Section in this Report
Mandatory Disclosure Requirements			
Governance Structure	A statement from the board containing the following elements: (i) a disclosure of the board's oversight of ESG issues; (ii)the board's ESG management approach and strategy, including the process used to evaluate, prioritise and manage material ESG-related issues (including risks to the issuer' s businesses); and (iii)how the board reviews progress made against ESG-related goals and targets with an explanation of how they relate to the issuer' s businesses.		ESG Structure
Reporting Principles	A description of, or an explanation on, the application of the following Reporting Principles in the preparation of the ESG report: Materiality: The ESG report should disclose: (i) the process to identify and the criteria for the selection of material ESG factors; (ii) if a stakeholder engagement is conducted, a description of significant stakeholders identified, and the process and results of the issuer' s stakeholder engagement. Quantitative: Information on the standards, methodologies, assumptions and/or calculation tools used, and source of conversion factors used, for the reporting of emissions/energy consumption (where applicable) should be disclosed. Consistency: The issuer should disclose in the ESG report any changes to the methods or KPIs used, or any other relevant factors affecting a meaningful comparison.		About this Report
Reporting Boundary	A narrative explaining the reporting boundaries of the ESG report and describing the process used to identify which entities or operations are included in the ESG report. If there is a change in the scope, the issuer should explain the difference and reason for the change.		About this Report
"Comply or explain"Provisions			
Subject Areas, Aspects, General Disclosures and KPIs			
A. Environmental			
A1: Emissions	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air emissions, discharges into water and land, and generation of hazardous and non-hazardous waste. Note: Air emissions include NOx, SOx, and other pollutants regulated under national laws and regulations. Hazardous wastes are those defined by national regulations.		Emissions Management, Green Production, Green Operation
	A1.1 KPI A1.1	The types of emissions and respective emissions data.	Emissions Management, Appendix II: Annual ESG Performance Overview
	A1.2 KPI A1.2	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
	A1.3 KPI A1.3	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
	A1.4 KPI A1.4	Description of emission target(s) set and steps taken to achieve them.	
	A1.5 KPI A1.5	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	
Aspect A2: Use of Resources	General Disclosure Policies on the efficient use of resources, including energy, water and other raw materials. Note: Resources may be used in production, in storage, transportation, in buildings, electronic equipment, etc.		Energy Management and Utilization, Green Production, Green Operation
	A2.1 KPI A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	Energy Management and Utilization, Green Production, Green Operation, Appendix II: Annual ESG Performance Overview
	A2.2 KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	

Contents			Corresponding Section in this Report
Aspect A2: Use of Resources	A2.3 KPI A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	Energy Management and Utilization, Green Production, Green Operation, Appendix II: Annual ESG Performance Overview
	A2.4 KPI A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	
	A2.5 KPI A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	
Aspect A3: The Environment and Natural Resources	General Disclosure Policies on minimising the issuer's significant impacts on the environment and natural resources.		Environmental Management System, Ecological and Biodiversity Protection
	A3.1 KPI A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them..	Environmental Management System, Ecological and Biodiversity Protection, Appendix II: Annual ESG Performance Overview
B. Social			
Aspect B1: Employment	General Disclosure Information on: (a)the policies; and (b)compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.		Compliance with Employment Regulation, Employee Rights and Interests, Talent Introduction Employee Care
	B1.1 KPI B1.1	Total workforce by gender, employment type (for example, full- or part-time), age group and geographical region.	Appendix II: Annual ESG Performance Overview
	B1.2 KPI B1.2	Employee turnover rate by gender, age group and geographical region.	
Aspect B2: Health and Safety	General Disclosure Information on: (a) the policies; and (b)compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.		Occupational Safety and Health
	B2.1 KPI B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Occupational Safety and Health, Appendix II: Annual ESG Performance Overview
	B2.2 KPI B2.2	Lost days due to work injury.	
	B2.3 KPI B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored.	
Aspect B3: Development and Training	General Disclosure Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. Note: Training refers to vocational training. It may include internal and external courses paid by the employer.		Human Capital Management, Staff Development
	B3.1 KPI B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	Appendix II: Annual ESG Performance Overview
	B3.2 KPI B3.2	The average training hours completed per employee by gender and employee category.	
Aspect B4: Labour Standards	General Disclosure Information on: (a)the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.		Compliance with Employment Regulations, Human Rights and Communities

Contents			Corresponding Section in this Report
Aspect B4: Labour Standards	B4.1 KPI B4.1	Description of measures to review employment practices to avoid child and forced labour.	Compliance with Employment Regulations, Human Rights and Communities
	B4.2 KPI B4.2	Description of steps taken to eliminate such practices when discovered.	
Aspect B5: Supply Chain Management	General Disclosure Policies on managing environmental and social risks of the supply chain.		Supply Chain Management
	B5.1 KPI B5.1	Number of suppliers by geographical region.	Supply Chain Management, Appendix II: Annual ESG Performance Overview
	B5.2 KPI B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored.	
	B5.3 KPI B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	
	B5.4 KPI B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	
Aspect B6: Product Responsibility	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.		Product Quality Management, Customer Service Guarantee
	B6.1 KPI B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Product Quality Management, Customer Service Guarantee, Appendix II: Annual ESG Performance Overview
	B6.2 KPI B6.2	Number of products and service related complaints received and how they are dealt with.	
	B6.3 KPI B6.3	Description of practices relating to observing and protecting intellectual property rights.	
	B6.4 KPI B6.4	Description of quality assurance process and recall procedures..	
	B6.5 KPI B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	
Aspect B7: Anti-corruption	General Disclosure Information on: (a)the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.		Business Ethics
	B7.1 KPI B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Business Ethics, Appendix II: Annual ESG Performance Overview
	B7.2 KPI B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	
	B7.3 KPI B7.3	Description of anti-corruption training provided to directors and staff.	
Aspect B8: Community Investment	General Disclosure Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests.		Human Rights and Communities, Rural Revitalization, Social Welfare, Fulfillment of Responsibilities Overseas
	B8.1 KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	Human Rights and Communities, Social Welfare, Fulfillment of Responsibilities Overseas, Appendix II: Annual ESG Performance Overview
	B8.2 KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	

Contents		Corresponding Section in this Report
Climate-related Disclosures		
Governance	An issuer shall disclose information about: (a)the governance body(s) (which can include a board, committee or equivalent body charged with governance) or individual(s) responsible for oversight of climate-related risks and opportunities. (b)management's role in the governance processes, controls and procedures used to monitor, manage and oversee climate-related risks and opportunities.	Response to Climate Change, Appendix I: Special Report on Climate Information Disclosure
Strategy	Climate-related risks and opportunities: An issuer shall disclose information to enable an understanding of climate-related risks and opportunities that could reasonably be expected to affect the issuer's cash flows, its access to finance or cost of capital over the short, medium or long term. Business model and value chain: An issuer shall disclose information that enables an understanding of the current and anticipated effects of climate-related risks and opportunities on the issuer's business model and value chain. Strategy and decision-making: An issuer shall disclose information that enables an understanding of the effects of climate-related risks and opportunities on its strategy and decision-making. Financial position, financial performance and cash flows: An issuer shall disclose qualitative and quantitative information about current financial effect and anticipated financial effect. Climate resilience: An issuer shall disclose information that enables an understanding of the resilience of the issuer's strategy and business model to climate-related changes, developments and uncertainties, taking into consideration the issuer's identified climate-related risks and opportunities. An issuer shall use climate-related scenario analysis to assess its climate resilience using an approach that is commensurate with an issuer's circumstances. In providing quantitative information, the issuer may disclose a single amount or a range.	
Risk Management	An issuer shall disclose information about: (a)the processes and related policies it uses to identify, assess, prioritise and monitor climate-related risks. (b)the processes the issuer uses to identify, assess, prioritise and monitor climate-related opportunities (including information about whether and how the issuer uses climate-related scenario analysis to inform its identification of climate-related opportunities). (c)the extent to which, and how, the processes for identifying, assessing, prioritising and monitoring climate-related risks and opportunities are integrated into and inform the issuer's overall risk management process.	
Metrics and Targets	Greenhouse gas emissions: An issuer shall disclose its absolute gross greenhouse gas emissions generated during the reporting period, expressed as metric tons of CO2 equivalent, classified as: (a) Scope 1 greenhouse gas emissions; (b) Scope 2 greenhouse gas emissions; and (c) Scope 3 greenhouse gas emissions. Climate-related transition risks: An issuer shall disclose the amount and percentage of assets or business activities vulnerable to climate-related transition risks. Climate-related physical risks: An issuer shall disclose the amount and percentage of assets or business activities vulnerable to climate-related physical risks. Climate-related opportunities: An issuer shall disclose the amount and percentage of assets or business activities aligned with climate-related opportunities.	
	Capital deployment: An issuer shall disclose the amount of capital expenditure, financing or investment deployed towards climate-related risks and opportunities. Internal carbon prices: An issuer shall disclose: (a) an explanation of whether and how the issuer is applying a carbon price in decision-making (for example, investment decisions, transfer pricing, and scenario analysis); and (b) the price of each metric tonne of greenhouse gas emissions the issuer uses to assess the costs of its greenhouse gas emissions; Remuneration: An issuer shall disclose whether and how climate-related considerations are factored into remuneration policy, or an appropriate negative statement. Industry-based metrics: An issuer is encouraged to disclose industry-based metrics that are associated with one or more particular business models, activities or other common features that characterise participation in an industry. In determining the industry-based metrics that the issuer discloses, an issuer is encouraged to refer to and consider the applicability of the industry-based metrics associated with disclosure topics described in the IFRS S2 Industry-based Guidance on implementing Climate-related Disclosures and other industry-based disclosure requirements prescribed under other international ESG reporting frameworks. Climate-related targets: An issuer shall disclose (a) the qualitative and quantitative climate-related targets the issuer has set to monitor progress towards achieving its strategic goals; and (b) any targets the issuer is required to meet by law or regulation, including any greenhouse gas emissions targets.	

Self-regulatory Guidelines for Listed Companies No.14 - Sustainability Report (Trial) published by Shanghai Stock Exchange

Dimension	No.	Issues	Corresponding Articles	Corresponding Section in this Report
Environmenta	1	Addressing Climate Change	Article 21 to Article 28	Appendix I: Special Report on Climate Information Disclosure
	2	Pollutants Emissions	Article 30	Emissions Management
	3	Wastes Disposal	Article 31	Emissions Management
	4	Ecosystem and Biodiversity Conservation	Article 32	Ecological and Biodiversity Protection
	5	Environmental Compliance Management	Article 33	Environmental Management System
	6	Energy Utilization	Article 35	Energy Resource Management
	7	Water Resources Utilization	Article 36	Energy Resource Management
	8	Circular Economy	Article 37	Energy Resource Management, Green Production, Technological Innovation
Social	9	Rural Revitalization	Article 39	Rural Revitalization
	10	Social Contribution	Article 40	Human Rights and Communities, Social Welfare, Fulfillment of Responsibilities Overseas
	11	Innovation-driven	Article 42	Technological Innovation, Digital Transformation
	12	Technology Ethics	Article 43	Not Applicable
	13	Supply Chain Safety	Article 45	Supply Chian Management
	14	Equal Treatment of Small and Medium-sized Enterprises	Article 46	Supply Chian Management
	15	Product and Service Safety and Quality	Article 47	Product Quality Management, Customer Service Guarantee
	16	Data Security and Customer Privacy Protection	Article 48	Information and Network Security
	17	Employee	Article 50	Compliance with Employment Regulations, Employee Rights and Interests, Talent Introduction, Human Capital Management, Staff Development, Employee Care, Occupational Safety and Health
Sustainable Development Related Governance	18	Due Diligence	Article 52	ESG Risk Managment, Dual Materiality Analysis
	19	Stakeholder Communication	Article 53	Communication with Stakeholders
	20	Anti-commercial Bribery and Anti-corruption	Article 55	Business Ethics
	21	Anti-unfair Competition	Article 56	Business Ethics

全球报告倡议组织《可持续发展报告标准（2021 版）》内容索引

Disclosure No.	Contents	Corresponding Section in this Report
GRI 2: General Disclosures 2021		
The Organization And Its Reporting Practices		
2-1	Organizational details	About Jiangxi Copper
2-2	Entities included in the organization's sustainability reporting	About this Report
2-3	Reporting period, frequency and contact point	
2-4	Restatements of information	
2-5	External assurance	/
Activities And Workers		
2-6	Activities, value chain and other business relationships	About Jiangxi Copper
2-7	Employees	Communication with Stakeholders
2-8	Workers who are not employees	
Governance		
2-9	Governance structure and composition	Governance Structure
2-10	Nomination and selection of the highest governance body	
2-11	Chair of the highest governance body	
2-12	Role of the highest governance body in overseeing the management of impacts	
2-13	Delegation of responsibility for managing impacts	
2-14	Role of the highest governance body in sustainability reporting	ESG Structure
2-15	Conflicts of interest	Communication with Stakeholders
2-16	Communication of critical concerns	
2-17	Collective knowledge of the highest governance body	Governance Structure
2-18	Evaluation of the performance of the highest governance body	
2-19	Remuneration policies	Employee Rights and Interests
2-20	Process to determine remuneration	
2-21	Annual total compensation ratio	Appendix II: Annual ESG Performance Overview
Strategy, Policies And Practices		
2-22	Statement on sustainable development strategy	ESG Strategy
2-23	Policy commitments	ESG Strategy, ESG Goals and Responses
2-24	Embedding policy commitments	
2-25	Processes to remediate negative impacts	ESG Risk Management
2-26	Mechanisms for seeking advice and raising concerns	Communication with Stakeholders
2-27	Compliance with laws and regulations	The Full Report
2-28	Membership associations	About Jiangxi Copper
Stakeholder Engagement		
2-29	Approach to stakeholder engagement	Communication with Stakeholders, Dual Materiality Analysis

Disclosure No.	Contents	Corresponding Section in this Report
2-30	Collective bargaining agreements	Communication with Stakeholders, Employee Rights and Interests
GRI 3: Material Topics 2021		
3-1	Process to determine material topics	Dual Materiality Analysis
3-2	List of material topics	
3-3	Management of material topics	
GRI 201:Economic Performance 2016		
G201-1	Direct economic value generated and distributed	Appendix II: Annual ESG Performance Overview
G201-2	Financial implications and other risks and opportunities due to climate change	Appendix I: Special Report on Climate Information Disclosure, Response to Climate Change
G201-3	Defined benefit plan obligations and other retirement plans	Employee Rights and Interests
G201-4	Financial assistance received from government	/
GRI 202: Market Presence 2016		
G202-1	Ratios of standard entry level wage by gender compared to local minimum wage	/
G202-2	Proportion of senior management hired from the local community	/
GRI 203: Indirect Economic Impacts 2016		
G203-1	Infrastructure investments and services supported	Human Rights and Communities, Rural Revitalization, Social Welfare, Fulfillment of Responsibilities Overseas
G203-2	Significant indirect economic impacts	
GRI 204: Procurement Practices 2016		
G204-1	Proportion of spending on local suppliers	Supply Chain Management, Appendix II: Annual ESG Performance Overview
GRI 205: Anti-corruption 2016		
G205-1	Operations assessed for risks related to corruption	Business Ethics
G205-2	Communication and training about anti-corruption policies and procedures	
G205-3	Confirmed incidents of corruption and actions taken	
GRI 206: Anti-competitive Behavior 2016		
G206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Business Ethics
GRI 207: Tax 2019		
G207-1	Approach to tax	Business Ethics
G207-2	Tax governance, control, and risk management	Business Ethics, Risk Control and Internal Control
G207-3	Stakeholder engagement and management of concerns related to tax	Business Ethics, Communication with Stakeholders
G207-4	Country-by-country reporting	/
GRI 301: Materials 2016		
G301-1	Materials used by weight or volume	Green Operation
G301-2	Recycled input materials used	Appendix II: Annual ESG Performance Overview
G301-3	Reclaimed products and their packaging materials	

Disclosure No.	Contents	Corresponding Section in this Report
GRI 302: Energy 2016		
G302-1	Energy consumption within the organization	Energy Resource Management, Appendix II: Annual ESG Performance Overview
G302-2	Energy consumption outside of the organization	
G302-3	Energy intensity	
G302-4	Reduction of energy consumption	
G302-5	Reductions in energy requirements of products and services	
GRI 303:Water and Effluents 2018		
G303-1	Interactions with water as a shared resource	Energy Resource Management, Emissions Management, Appendix II: Annual ESG Performance Overview
G303-2	Management of water discharge-related impacts	
G303-3	Water withdrawal	
G303-4	Water discharge	
G303-5	Water consumption	
GRI 304: Biodiversity 2016		
G304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	Ecological and Biodiversity Protection, Appendix II: Annual ESG Performance Overview
G304-2	Significant impacts of activities, products and services on biodiversity	
G304-3	Habitats protected or restored	
G304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operations	/
GRI 305: Emissions 2016		
G305-1	Direct (Scope 1) GHG emissions	Response to Climate Change, Appendix I: Special Report on Climate Information Disclosure, Appendix II: Annual ESG Performance Overview
G305-2	Energy indirect (Scope 2) GHG emissions	
G305-3	Other indirect (Scope 3) GHG emissions	/
G305-4	GHG emissions intensity	Response to Climate Change, Appendix I: Special Report on Climate Information Disclosure, Appendix II: Annual ESG Performance Overview
G305-5	Reduction of GHG emissions	
G305-6	Emissions of ozone-depleting substances (ODS)	/
G305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	Emissions Management, Appendix II: Annual ESG Performance Overview
GRI 306: Waste 2020		
G306-1	Waste generation and significant waste-related impacts	Emissions Management, Appendix II: Annual ESG Performance Overview
G306-2	Management of significant waste-related impacts	
G306-3	Waste generated	
G306-4	Waste diverted from disposal	
G306-5	Waste directed to disposal	
GRI 308: Supplier Environmental Assessment 2016		
G308-1	New suppliers that were screened using environmental criteria	Supply Chain Management
G308-2	Negative environmental impacts in the supply chain and actions taken	

Disclosure No.	Contents	Corresponding Section in this Report
GRI 401: Employment 2016		
G401-1	New employee hires and employee turnover	Talent Introduction, Appendix II: Annual ESG Performance Overview
G401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Human Rights and Interests
G401-3	Parental leave	
Labor/Management Relations 2016		
G402-1	Minimum notice periods regarding operational changes	/
GRI 403: Occupational Health and Safety 2018		
G403-1	Occupational health and safety management system	Occupational Safety and Health, Appendix II: Annual ESG Performance Overview
G403-2	Hazard identification, risk assessment, and incident investigation	
G403-3	Occupational health services	
G403-4	Worker participation, consultation, and communication on occupational health and safety	
G403-5	Worker training on occupational health and safety	
G403-6	Promotion of worker health	
G403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	
G403-8	Workers covered by an occupational health and safety management system	
G403-9	Work-related injuries	
G403-10	Work-related ill health	
GRI 404: Training and Education 2016		
G404-1	Average hours of training per year per employee	Human Capital Management, Staff Development, Appendix II: Annual ESG Performance Overview
G404-2	Programs for upgrading employee skills and transition assistance programs	
G404-3	Percentage of employees receiving regular performance and career development reviews	/
GRI 405: Diversity and Equal Opportunity 2016		
G405-1	Diversity of governance bodies and employees	Compliance with Employment Rgulations, Talent Introduction, Appendix II: Annual ESG Performance Overview
G405-2	Ratio of basic salary and remuneration of women to men	/
GRI 406: Non-discrimination 2016		
G406-1	Incidents of discrimination and corrective actions taken	Compliance with Employment Rgulations, Employee Rights and Interests
GRI 407: Freedom of Association and Collective Bargaining 2016		
G407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Compliance with Employment Rgulations, Human Rights and Communities
GRI 408: Child Labor 2016		
G408-1	Operations and suppliers at significant risk for incidents of child labor	Compliance with Employment Rgulations, Human Rights and Communities

Disclosure No.	Contents	Corresponding Section in this Report
GRI 409: Forced or Compulsory Labor 2016		
G409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	Compliance with Employment Rgulations, Human Rights and Communities
GRI 410: Security Practices 2016		
G410-1	Security personnel trained in human rights policies or procedures	/
GRI 411: Rights of Indigenous Peoples 2016		
G411-1	Incidents of violations involving rights of indigenous peoples	Human Rights and Communities, Fulfillment of Responsibilities Overseas
GRI 413: Local Communities 2016		
G413-1	Operations with local community engagement, impact assessments, and development programs	Human Rights and Communities, Rural Revitalization, Social Welfare, Fulfillment of Responsibilities Overseas
G413-2	Operations with significant actual and potential negative impacts on local communities	
GRI 414: Supplier Social Assessment 2016		
G414-1	New suppliers that were screened using social criteria	Supply Chain Management
G414-2	Negative social impacts in the supply chain and actions taken	
GRI 415: Public Policy 2016		
G415-1	Political contributions	/
GRI 416: Customer Health and Safety 2016		
G416-1	Assessment of the health and safety impacts of product and service categories	Product Quality Mangement, Customer Service Guarantee
G416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	
GRI 417: Marketing and Labeling 2016		
G417-1	Requirements for product and service information and labeling	Product Quality Mangement, Customer Service Guarantee
G417-2	Incidents of non-compliance concerning product and service information and labeling	
G417-3	Incidents of non-compliance concerning marketing communications	
GRI 418: Customer Privacy 2016		
G418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	Information and Network Security

Appendix IV: Feedback Form

Thank you for reading the *Jiangxi Copper Co., Ltd. Environmental, Social and Governance Report* in 2024. In order to enhance communication and exchange with stakeholders and further improve our company's ability and level of social responsibility, we expect you to give us your valuable comments and suggestions by filling in the feedback form and choosing any of the following ways to send your comments back to us.

No. 7666 Changdong Avenue, High-Tech Development Zone, Nanchang, Jiangxi Province, People's Republic of China
Tel: 0791-82710117
E -mail: jccl@jxcc.com

1.Which of the following stakeholders do you belong to:
☐ Goverment/regulators ☐ Industry associations ☐ Investors/shareholders ☐ Customers ☐ Staff ☐ Suppliers
☐ Partners ☐ Community ☐ Media ☐ Others

2.Your location :
☐ China Mainland ☐ Hong Kong, Macau and Taiwan (China) ☐ Overseas

3.Your overall assessment of this report :
☐ Not good ☐ Average ☐ Good ☐ Very good

4.Your assessment of our practices in environmental protection :
☐ Not good ☐ Average ☐ Good ☐ Very good

5.Your assessment of our practices in social responsibility:
☐ Not good ☐ Average ☐ Good ☐ Very good

6.Your assessment of our practices in corporate governance :
☐ Not good ☐ Average ☐ Good ☐ Very good

7.Your assessment of the layout and design style of this report :
☐ Not good ☐ Average ☐ Good ☐ Very good

8.Do you consider the information disclosed in this report to be complete and accurate :
☐ No ☐ Genera ☐ Yes

9.Do you consider the report is well structured :
☐ No ☐ Genera ☐ Yes

10.Do you consider the content of this report to be clear and easy to understand :
☐ No ☐ Genera ☐ Yes

11.Do you think this report meets your reading needs :
☐ No ☐ Genera ☐ Yes

12.Your other comments and suggestions for improving and enhancing our practices of the ESG development concept and this report :