

2023

Environmental, Social and Governance Report

CHENGDU SIWI SCIENCE AND TECHNOLOGY COMPANY LIMITED



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01 | Openings

A Message from the Management

2023 was a crucial year for SIWI SCI & TECH to meet new challenges, shoulder new missions, and break new ground. During the year, the Company adhered to the leadership of Party building, continued to implement the development philosophy of "breaking the situation, seeking change, and pursuing strength", exerted multi-dimensional efforts and took multiple measures, proactively assumed corporate governance, environmental and social responsibilities, and committed to the implementation and promotion of the concept of sustainable development.

We implemented excellent governance and created a stable development pattern. We insisted on improving the governance mechanism of state-controlled listed companies and actively explored new mechanism, new path, and new situation for the construction of corporate governance system. We actively recognized and responded to changes, formulated a plan for three-year business development, and strengthened strategic leadership. We optimized and adjusted the organizational structure and functional positioning, and improved the operational and managerial layout; strengthened the construction of informatization of systems and processes, enhanced basic management capabilities. We improved the risk prevention and control system, built a solid defense line for compliance operations and further improved the effectiveness of governance and promoted the steady development of the Company.

We promoted green development and implemented the concept of safety and environmental protection. We reorganized our product structure, strengthened our independent research and development capabilities, and innovated and developed environmentally friendly and efficient products; we deepened lean production management, activated the momentum of quality improvement and efficiency creation, and solid efforts were made to promote energy conservation and consumption reduction, effectively improving production efficiency and resource utilization by adjusting parameters, optimizing tooling, and innovating technologies etc.. We revised the safety management system, formulated safety operating procedures, consolidated safety compliance requirements, achieved continuous improvement in safety management, and ensured continued and stable safe production.

We joined hands to achieve common development and prosperity. We persisted in focusing on product quality, strengthened product responsibility, delivered excellent customer service to communicate with suppliers, and insisted on provided better quality products. We carried out talent team building work focusing on "adjusting incentive assessment mechanisms and improving team capabilities" and strived to improve employee benefits, so as to build synergy for development and stimulated the vitality of employees. We actively assumed social responsibilities, jointly created harmonious communities, assisted rural revitalization, and engaged in voluntary services to inject more vitality into the common development and prosperity of society.

We will remain true to the founding mission of the Company, to keep pressing ahead and consistently implement ESG principles, promote the Company's sustainable development, fulfill our social responsibilities in a more proactive manner, and establish a beautiful home.

About us

Company Profile

Chengdu SIWI Science and Technology Company Limited (formerly known as Chengdu PUTIAN Telecommunications Cable Company Limited) was established in 1958 and listed in Hong Kong (HK01202) in 1994. In June 2021, upon the approval of the State-owned Assets Supervision and Administration Commission of the State Council and China Electronics Technology, Chengdu PUTIAN Telecommunications Cable Company Limited was merged into the 29th Research Institute of China Electronics Technology Group Corporation (hereinafter referred to as the 29th Research Institute) from the original China PUTIAN Corporation. The 60% of the shares of the Company was transferred at nil consideration to Chengdu Siwi Electronic Co., Ltd, and the Company became a subsidiary of the 29th Research Institute of China Electronics Technology Group Corporation. In July 2022, approved by the Chengdu Market Supervision and Administration Bureau, the Company was renamed as "Chengdu SIWI Science and Technology Company Limited".

Chengdu SIWI Science and Technology Company Limited, headquartered in Chengdu, Sichuan Province, currently has more than 400 employees and total assets of RMB 996 million. With the philosophy of "pursuing mission, innovation, synergy and pragmatism", the spirit of "being stringent, excellent, realistic and pioneering", and the direction of "Optoelectronic and Interconnected Business", the Company is committed to become "an excellent intelligent manufacturing enterprise in Southwest China" by focusing on the four main products including "Optical fiber, Optoelectronic, Cable and Cable assembly".



Core businesses and products

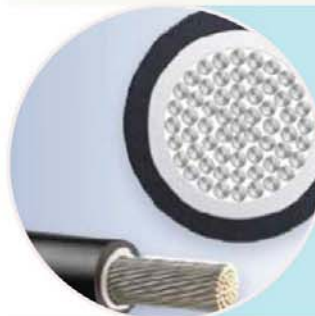
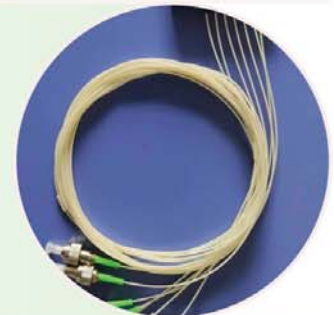


Optical fiber products

We are concentrating on developing more environmentally friendly and reliable high value-added optical fiber products with specific features, such as G.657.B3, ultra-small diameter optical fiber, low-loss optical fiber and other special varieties, while constantly promoting the realization of small batch of differentiated production.

Optoelectronic products

We pay more attention to optoelectronic products, vigorously develop optical devices, and accelerate construction to make it a new profit growth point for the company.



Cable products

Based on rail transportation cables, we continue to develop and produce products on a trial basis that meet user needs, and increase the promotion of thin-walled series cables using polyetheretherketone (PEEK) as insulating material to diversify the Company's products.

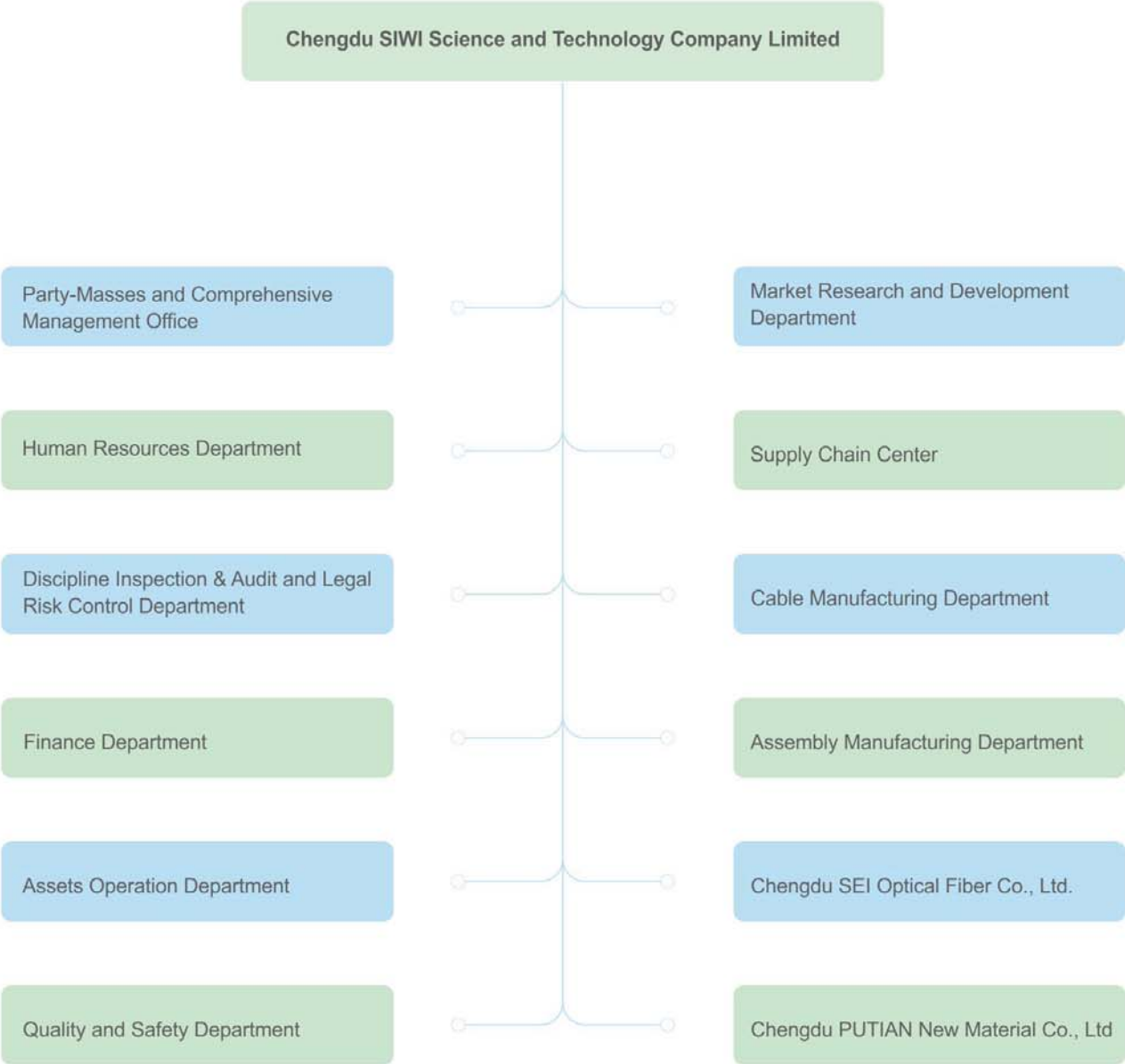
Cable component products

We give priority to high-frequency cable component and low-frequency cable component, and accelerate the development and expansion of optical fiber cable components.



Organizational Structure

In order to adapt to the strategic development plan of the Company, SIWI SCI & TECH has adjusted and optimized its organizational structure in 2023, aiming to further strengthen centralized management, optimize resource allocation, improve the efficiency of the Company's business management, and achieve the management goal of cost reduction and efficiency increase. After adjustment, there are a total of 12 departments and holding companies.



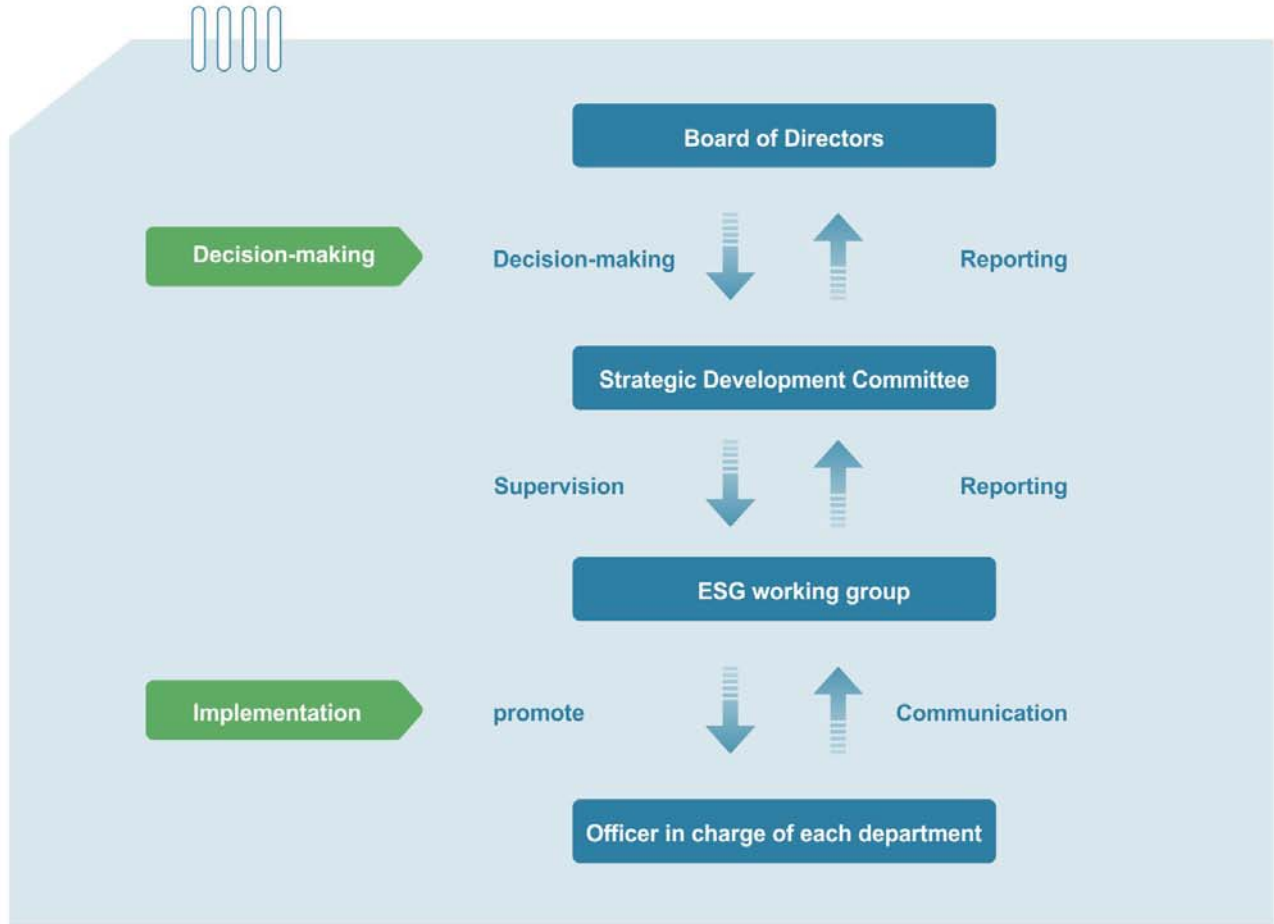
ESG Governance

Taking "double carbon" and sustainable development goals as the direction of its operations, the Company always adheres to the basic principles of environment, society and governance. In 2023, the Company formulated its three-year business development plan, fully implemented the ESG strategy, continuously improved the ESG governance structure, and promoted its development and maintained the harmony and sustainability of the economy, society and environment simultaneously.

ESG Governance Structure

In 2023, SIWI SCI & TECH boosted ESG governance capabilities by formulating ESG plans, conducting regular assessments, strengthening oversight and regulation, and implementing risk management. By continuously improving a more scientific, efficient and orderly ESG governance structure, we continued to provide strong organizational safeguards for the Company to promote ESG management.

◎ ESG Governance Structure





Board of Directors

As the highest decision-making body of the Company in ESG governance, it is responsible for the overall planning and coordination of ESG matters.

- Coordinates the identification and management of risks and opportunities related to ESG.
- Approves the Company's ESG-related objectives.



Strategic Development Committee

Strategic Development Committee is responsible for researching and formulating the long-term strategic plans on environmental, social, and governance, establishing and improving ESG governance system and strategic framework, supervising and guiding the Company's environmental, social and governance performance, and ensuring its compliance with relevant laws and regulations.

- Approves the Company's annual Environmental, Social and Governance Report, sustainability policy documents and other ESG -related disclosures and make recommendations to the Board of Directors for approval.
- Provides routine monitoring and reporting on the implementation progress of risk management and related work.



ESG Governance Group

The ESG Governance Group continuously integrates risk management related to environment, society, and governance into the ordinary operations of the Company, and coordinates with all subsidiaries and business systems to promote the implementation of related work.

- Strengthens the consensus and strategic synergy of sustainable development among all departments, and promote the implementation of ESG management standards and sustainable development culture.
- Coordinates the collection of relevant information and preparation of report on environment, society and governance of the Company.
- Identify and manage risks related to environmental, social and governance and propose corresponding risk mitigation measures.
- Regularly reports to the Company's management and the Strategic Development Committee of the Company's Board of Directors on the implementation of ESG targets.



Heads of Departments

ESG related departments include general management, laws and regulations, stakeholder management, R&D and manufacturing, quality and safety, environmental management, supply chain management, human resources, financial risk, etc., which collaborate to promote the implementation of various ESG tasks with the ESG Governance Group.

ESG Governance Policy

◎ **SDGs and SIWI SCI & TECH's Actions**

Our Theme	Our Actions	UN Sustainable Development Goals
<p>Excellent Governance and Stable Development</p>	<p>Improve ESG governance structure Strengthen investor communication Safeguard the lawful rights and interests of stakeholders Management in compliance with the laws and regulations Strengthen risk management and control Protect customer privacy Improve the quality of information disclosure</p>	
<p>Green development and low-carbon operation</p>	<p>Improve Environmental management system Carry out climate risk management Regulate pollutant emissions Use clean technology Promote green office Build green plant Optimize packaging materials</p>	
<p>Join Hands to Empower Society</p>	<p>Strengthen the control of product quality Promote innovation-driven development Promote Intellectual property protection Strengthen customer satisfaction management Standardize supplier admission procedures</p>	
<p>Join Hands to Empower Society</p>	<p>Equal employment opportunity Diversified talent recruitment Good compensation and benefits Improve employee incentive mechanism Staff training and development Occupational health and safety Enhance communication with employees Improve social contribution</p>	

Materiality Assessment

We attach great importance to stakeholders' feedback and suggestions on sustainable development issues. Through industry benchmarking, stakeholders survey and expert analysis, we identified the ESG risks and opportunities of the Company and screened out and determined 21 material issues of great importance or impact to the Company and its stakeholders. These issues are highlighted and responded to in this report from three perspectives, namely "Excellent Governance", "Green Development" and "Join Hands to Create".

The analysis results of materiality issues in 2023 have been reviewed and confirmed by the ESG Governance Group.

Materiality Issues

Issues	Key Focus	Countermeasures
Environmental issues	Environmental management	Improve environmental governance Address climate change Promote green operation
	Address climate change	
	Compliant emissions	
	Water resource usage	
	Packaging materials usage	
Environmental issues	Product and service quality	Responsible for products Responsible for employees Socially responsible
	Technological innovation	
	Supply chain responsibility	
	Diversity and equality	
	Employee care and communication	
	Employee training and development	
	Protection of employees' rights and interests	
	Occupational Health	
	Safety management	
	Community communication	
	Volunteer service	
Governance issues	Compliant operation	Standardizing Corporate Governance Adhere to integrity and compliance Intensify efforts to fight corruption and perform with integrity
	Internal Control	
	Risk Management	
	Anti-corruption	
	Investor Relations Management	

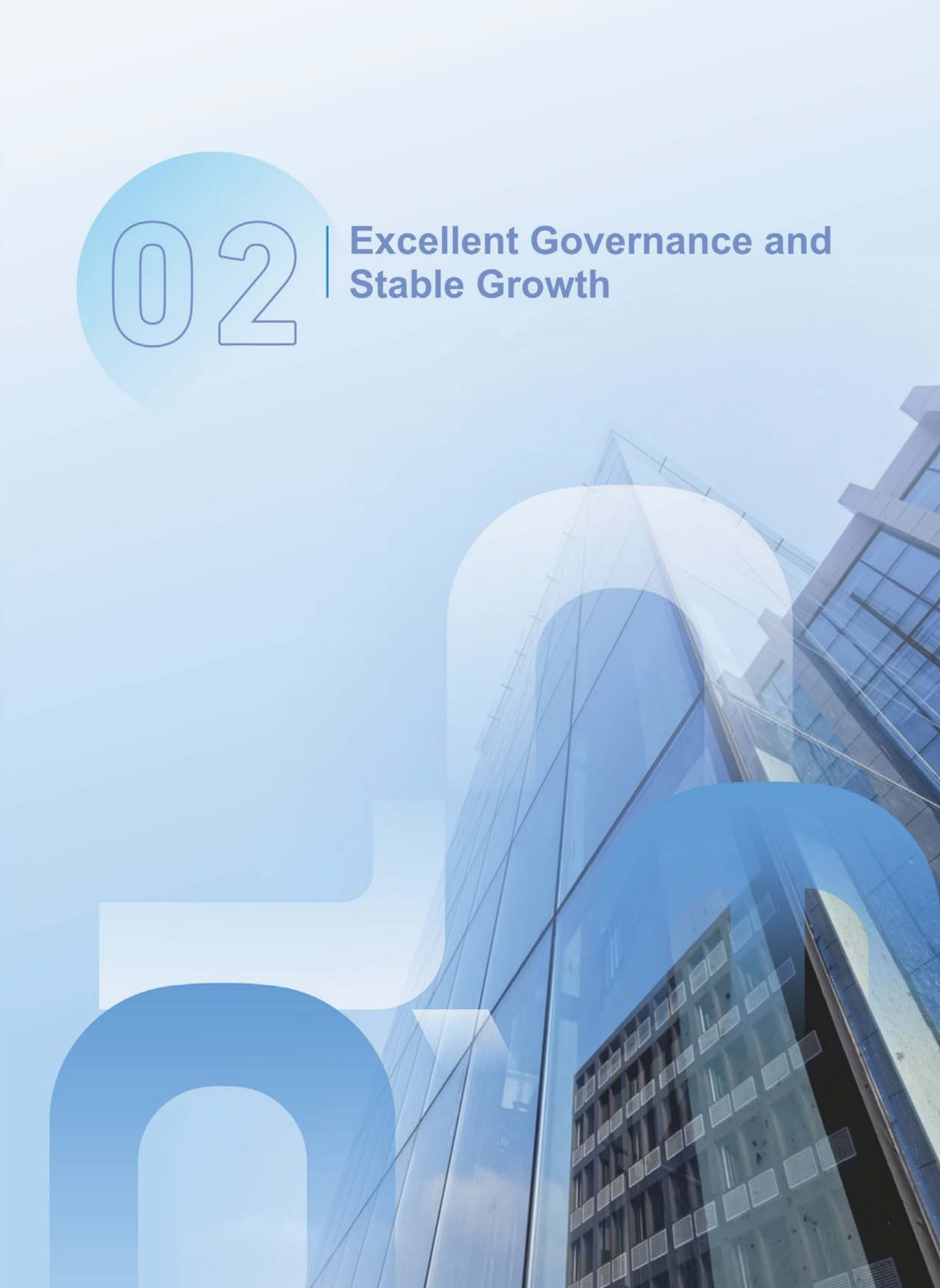
Stakeholder Engagement

① Communication between SIWI SCI & TECH and its Stakeholders

Stakeholders	Issues of Concern	Communication and Response
 Communication and Response	<ul style="list-style-type: none"> ● Compliance operation ● Energy-saving operation ● Environmental protection ● Product quality and safety ● Business ethics and anti-corruption 	<ul style="list-style-type: none"> ● Operating with integrity, policy implementation, event reporting, participating in research and visits ● Control carbon emissions ● Strengthen product quality and safety control ● Assisting with evaluations, conducting Regular meeting communications
 Shareholders and investors	<ul style="list-style-type: none"> ● Steady operation ● Information disclosure ● ESG risk management ● Executive compensation and Incentives 	<ul style="list-style-type: none"> ● Improve corporate governance ● Make announcements on the required information disclosure websites to improve the transparency of operational information ● Conduct strict risk management and control, enhancing the Company's core competitiveness ● Regularly convene the meeting of board of directors, supervisory committee, general meeting
 Customers	<ul style="list-style-type: none"> ● Product quality ● Customer service ● R&D and Innovation ● Intellectual Property Protection 	<ul style="list-style-type: none"> ● Provide consistently high-quality products ● Conduct customer satisfaction surveys, open discussions and visits, and interact with various social medias such as WeChat public accounts and the Company's website
 Employees	<ul style="list-style-type: none"> ● Occupational health and safety ● Employment and rights and interests ● Employee training and development 	<ul style="list-style-type: none"> ● Collective bargaining with employees, protection of employees' rights and interests ● Organize various employee activities and care for employee development ● Improve salary incentives
 Partners	<ul style="list-style-type: none"> ● Integrity and reciprocity ● Coordination of supplier development ● Promotion of industry development 	<ul style="list-style-type: none"> ● Adhere to the principles of integrity, mutual benefit and equal consultation ● Conduct supplier evaluations, and engage daily cooperation negotiations and business training ● Non-periodic industry exchanges
 Universities and research institutions	<ul style="list-style-type: none"> ● R&D and innovation 	<ul style="list-style-type: none"> ● Develop school-enterprise cooperation, conduct various academic exchanges, and linking industry cooperation, etc.
 Communities and the public	<ul style="list-style-type: none"> ● Participation of public welfare undertakings ● Contribution to Communities ● Environmental protection ● Emissions management 	<ul style="list-style-type: none"> ● Pro-actively participate in charity and volunteer activities ● Local recruitment and procurement ● Participate in environmental protection ● Disclosure of environmental data actively

02

**Excellent Governance and
Stable Growth**

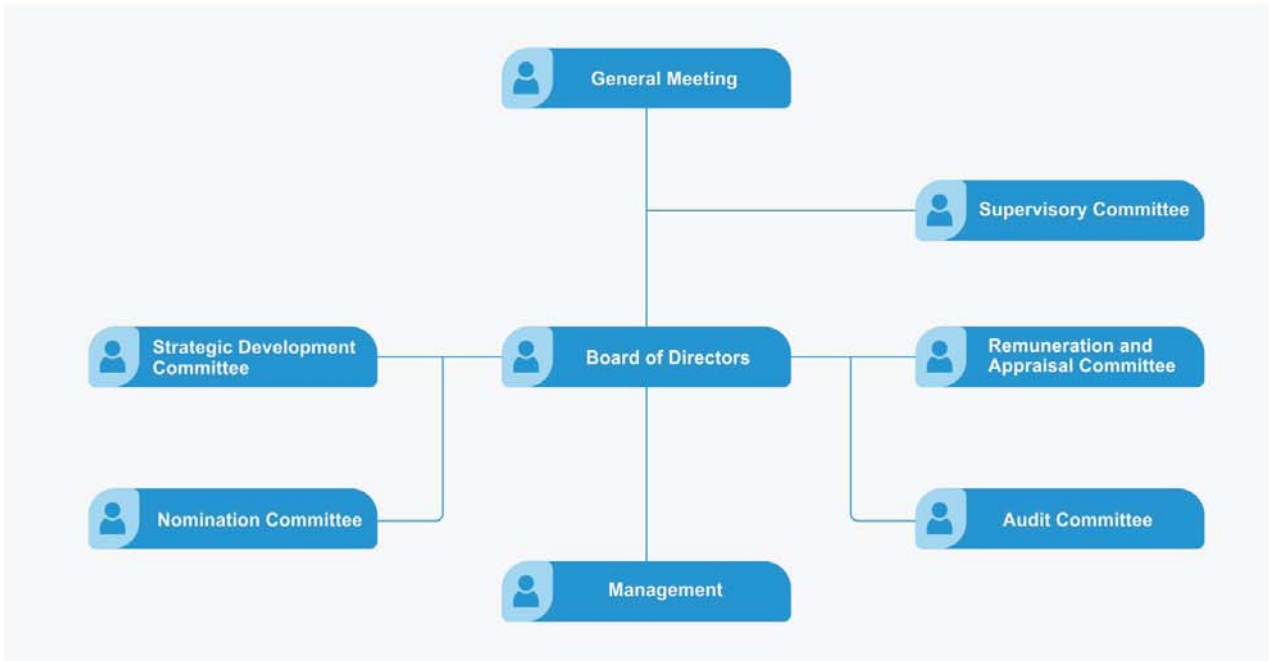


Improving Corporate Governance

Corporate Governance Principles

SIWI SCI & TECH continued to improve the modernization level of its corporate governance system and governance capabilities, and has effectively formed a governance structure with clear responsibilities, coordinated operations, and effective balance in accordance with the Company Law of the People's Republic of China (the "Company Law"), the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited (the "Listing Rules"), and relevant regulatory requirements for state-owned enterprises.

⊙ Governance Structure



Operation of the Three Committees

SIWI SCI & TECH organizes board meetings, the meeting of supervisory committee and shareholders' meetings in strict accordance with the Company Law, the Listing Rules, the Articles of Association and other laws and regulations, review and decide on major issues closely related to the Company's development, so as to ensure the effective governance and sound operation of the Company.

The Board has four specialized committees, namely the Strategic Development Committee, the Nomination Committee, the Remuneration and Appraisal Committee and the Audit Committee, to provide professional consultation and suggestions for the decision-making of the Board, in order to ensure the scientific nature and accuracy of decision-making of the Board.

Operation of Special Committees under the Board

<p>Strategic Development Committee</p>	<p>There are currently five members in the Strategic Development Committee, including three independent non-executive directors and two executive directors, which is responsible for researching the Company's strategic plans for medium and long-term development and major issues affecting the development of the Company, and provide recommendations while inspecting the implementation of various affairs. In 2023, three meeting of the Strategic Development Committee were convened to conducting research and discussion on the Company's three-year business development plan, mid-term adjustments to the fixed asset investment plan and other matters, etc.</p>
<p>Remuneration and Appraisal Committee</p>	<p>There are currently five members in the Remuneration and Appraisal Committee, including three independent non-executive directors and two executive directors, which is responsible for formulating the appraisal standards for the Company's directors and senior managers and conducting appraisal, and is responsible for formulating and reviewing the remuneration plans and programs for the Company's directors, managers and other senior managers. In 2023, two meeting of the Remuneration and Appraisal Committee were convened to studying and formulating the Company's total salary policy and to appraising the performance of the Company's Management.</p>
<p>Nomination Committee</p>	<p>There are currently five members in the Nomination Committee, including three independent non-executive directors and two executive directors, which is responsible for researching, reviewing and making recommendations on the candidates, selection criteria and procedures for the Company's Board and Managers. In 2023, one meeting of the Nomination Committee was convened to evaluating the Company's senior management personnel and propose adjustments to the Company's general law counsel.</p>
<p>Audit Committee</p>	<p>The Audit Committee currently consists of three independent non-executive directors, which is responsible for the communication, supervision and verification of internal and external audits of the Company. In 2023, three meetings were held by the Audit Committee to review the Company's financial reporting, connected transactions, risk management and internal control, etc.</p>

Board Diversity

SIWI SCI & TECH continues to improve the diversification of the Board in accordance with the Board Diversity Policy. The composition of the Board of directors should be as diverse as possible, including but not limited to the diversity of gender, age, educational background, professional experience, skills, knowledge and service tenure, etc., aiming to bring more new perspectives, new concepts and new ideas to ESG governance, so as to further enhance the overall effectiveness of the Board.

The Company discloses the composition of the Board (including gender, age, service tenure, etc.) in the corporate governance report annually, and the Company's nomination committee will report on the board's diversity composition and supervise the implementation of relevant policies. The Company has soundly implemented its policy on board diversity, and will continue to do so in the future when identifying director candidates.

The Board of the SIWI SCI & TECH consists of nine members, with two female directors accounting for 22.22%.

Information on the Board members of SIWI SCI & TECH

Name	Age	Gender	Position
Li Tao	52	Female	Chairman
Wu Xiaodong	54	Male	Executive director
Hu Jiangbing	56	Male	Executive director
Zhu Rui	48	Male	Executive director
Jin Tao	38	Male	Executive director
Chen Wei	37	Male	Executive director
Fu Wenjie	55	Female	Independent non-executive director
Zhong Qishui	48	Male	Independent non-executive director
Xue Shujin	66	Male	Independent non-executive director

Comprehensive Risk Management

Compliance Management

By always adhering to the principles of integrity and compliance, SIWI SCI & TECH establishes a sound compliance management system, through strengthening the supervision responsibility of disciplinary inspection and monitoring, and has achieved significant results.

We thoroughly implement the compliance supervision and management norms as prescribed by our higher-ranking department, including the "Main Responsibility and Main Business List," "Regulatory Negative List" and "Escalation Control List," and strictly supervise compliance with these lists.

In 2023, the Company continued to optimize its legal affairs management system, with a primary focus on updating 8 standard form contracts under the contract management system. A corresponding procedure for handling legal disputes and legal affairs processes was established. The legal review was strengthened and the requirements of contract review management was implemented. In 2023, the contracts review rate of the contracts was 100%.

In 2023, the Company revised the Compliance Management System; organized all employees to study the Compliance Manual, and arranged for all employees to sign the Employee Compliance Commitment Letter, and department heads signed the Compliance Operation and Risk Management Responsibility Letter. The Company also updated the compliance evaluation report and comprehensively identified the list of laws and regulations applicable to the Company. Meanwhile, the Company organized two specific training on contract disputes and debt collection at all levels, which helped the Company's business operations better aligned with legal requirements and reduced issues related to contract compliance and clarified the collection mechanism for overdue accounts receivable, to ensure that all necessary legal letters were delivered and all related litigation were brought.

As of the end of 2023, the Company had 191 operating rules and regulations, including 69 newly-established rules and regulations (including 9 new rules and regulations), 46 revised rules and regulations, and abolished 60 original rules and regulations.

Internal Control

In 2023, the Company's legal system construction leading group, compliance and risk management committee further improved its scientific internal control management mechanism and business process system by fully constructing the Company's institutional framework, refining the basic and supporting systems in various business areas, and enhancing quality and rigidity of each system, aiming to establish a sound, effective and practical system to adapt to the current business development of the Company and ensure the orderly operation of various functional departments and of business activities at each level. During the Reporting Period, the Company organized relevant departments to timely improve the internal control system and revised the Internal Control Manual of SIWI SCI & TECH, which contributed to an improvement in the internal control management level of the Company.

In 2023, self-inspection and self-correction of internal control construction in five areas, namely, guarantee business, engineering projects, connected transactions, business outsourcing, and asset management were identified, and no internal control defects were found. As of the end of the Reporting Period, all the 9 defects identified during the internal control self-assessment in 2022 have been rectified.

Risk Management

SIWI SCI & TECH has established a system and procedures for assessing, addressing, monitoring, warning, and controlling risks, including strategic, market, legal, operational, and various risks that may affect the development of the Company. A risk classification monitoring indicator system is in place, with quarterly monitoring of key management and control risks, timely alerting and tracking of risk items, and the development of countermeasures and risk event reporting mechanisms were formulated.



In 2023, the Company took a series of risk management measures, yielding certain results.

- The Company formulated various regulations such as the Risk Management Regulations, and Risk Assessment and Response Procedures to timely improve the risk management process.
- The Company implemented the indicator system for the quarterly monitoring of key management and control risks and risk classification and detection to track, alert and develop countermeasures for identified risks. No major risk events had occurred.
- The Company carried out risk screening at all levels of the Company and identified 5 key management and control risks in 2024, as compared with 8 in 2023.
- In 2023, the Company improved network security from two dimensions including civil defense and technical defense. As to technical defense level, the Company organized professional network security vendors to sort out IT assets, identify medium and high-risk security risks, and build a network security defense line with attack perception, intrusion prevention, network supervision, terminal management and control, and operation and maintenance audit capabilities. As to civil defense level, the Company conducted two Cyber Security Awareness Training for all employees to enhance their awareness on cyber security.
- The Company adjusted the confidentiality committee and confidentiality office in February 2023, established a confidentiality management system related to trade secrets, and strengthened the protection of trade secrets. During the reporting period, three confidentiality training sessions were organized for a total of 172 people. There were no major safety violations, disciplinary violations or leaks throughout the Year.
- The Company strictly abided by the Related-party Transaction Management System. During the Reporting Period, four related-party transaction briefings were prepared and released, and the list of related-parties was updated and disclosed. All continuing connected transactions have been reviewed and approved by the Stock Exchange and the general meeting of the Company.

Anti-Corruption

The Company will strictly comply with domestic and foreign laws and regulations, and absolutely prohibits behaviors such as bribery, extortion, fraud, money laundering. It prohibits any form of illegal activities, including misappropriation, theft, concealment, abuse of company property or tampering with records, and other illegal activities. Meanwhile, the Company fully implements clean governance in business activities such as procurement and sales, protects the legitimate rights and interests of all parties in accordance with the principles of fairness, justice, and openness. During the Reporting Period, there were no litigation cases relating to corruption of the Company.

In 2023, focusing on its main responsibilities and main businesses, SIWI SCI & TECH deepened the supervision and accountability work and comprehensively promoted the construction of the "Three No Corruptions" institutional mechanism, thus creating a good political environment of clean governance, law-abiding and compliance.

- The Company issued or revised the First Issue Study System of the Discipline Inspection Commission, the Implementation Rules for Routine Supervision and Strengthening Political Supervision, the Implementation Rules for the Company's Discipline Inspection Commission to Remind and Supervise the Party Committee Leadership Team and the Measures for the Management of Red and Yellow Card Warnings .
- In terms of anti-corruption and integrity promotion, the Company advocated its employees to spend the holidays in a civilized and honest manner through pre-holiday reminders, and issued holiday reminders for New Year's Day, Spring Festival, Dragon Boat Festival, and Mid-Autumn Festival and National Day.
- The Company carried out the study of the spirit of the communiqué of the Second Plenary Session of the 20th Central Commission for Discipline Inspection and case warning education, the special training and warning case education for the list of Eight Central Regulations, and visited Jintang Prison to carry out the warning education activities regarding the Use of Case as a Lesson to Observe the Bottom Line and Make New Achievements in compliance with integrity.

⦿ The Company's disciplinary system included Regulations on



Investor Relations Management

Communication with Investors

SIWI SCI & TECH is committed to establishing long-term, stable and mutually trusting relationships with investors. Through comprehensive and effective communication, it continues to maintain communication with investors, enhance investors' understanding and trust of the Company, promote harmonious investor relations, and provides strong support for the development of the Company and maximization of shareholder value.

The Company regularly publishes annual reports and interim reports, discloses various major transaction announcements. We also actively respond to routine inquiries from the CSRC and the Hong Kong Stock Exchange, and listen to the opinions and advice of the Hong Kong Securities Clearing Company Limited, shareholders, and fund managers. In recent years, in response to the widely concerned issue of climate change, the Company has also disclosed its actions and results for addressing climate-related risks.

We provide timely and accurate information about the Company's significant business developments through announcements, press releases, and the Company's website (<http://www.cdc.com.cn>), enhancing the Company's transparency and protecting the legitimate rights and interests of our Shareholders.

Information Disclosure

The Company fulfills its obligations of information disclosure by strictly adhering to the requirements of laws, regulations, and normative documents such as the Securities Law and Listing Rules, so as to ensure that the information disclosed is true, accurate, complete, and timely. The Company strictly implements various systems to standardize the reporting, transmission and confidentiality procedures of major information, and no insider information leakage has occurred, effectively safeguarding the legitimate rights and interests of investors.

Investor communication and information disclosure

Indicator	Unit	2020	2021	2022	2023
Number of interim announcements and regular reports released	Time	43	45	64	46
Number of investor visits and exchanges received	Time	8	6	4	4

Party Building Leads Development

In 2023, the Party Committee of SIWI SCI & TECH adhered to follow the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, thoroughly studied, publicized and implemented the spirit of the 20th National Congress of the Party, resolutely implemented the spirit and task arrangements of various meetings of the superior party committee, and comprehensively completed the List of Key Work Tasks for 2023 Annual Party Building and various tasks with distinctive features, solidly carried out the second batch of thematic education work, effectively integrate the Party's leadership into all aspects of corporate governance, fulfilled the political responsibility of comprehensively and strictly governing the party, and give full play to the community-level Party organizations playing the role of a fighting fortress in the organization and the vanguard and exemplary role of party members and cadres. The annual operating income increased by 32.77% year-on-year, and the net profit increased by 118.4%. The goals of main business were achieved steadily, and the annual operating tasks were completed with high quality.

Strengthen the study of political theory

The Party committee of the Company established a study list, regularly distributed study materials, continued to carry out central group study and first issue study during the Year, and resolutely studied everything that needed to be learned; The Party committee of the Company firmly grasped the main line of study, distributed electronic study materials every month, and organized and study theme education. A total of more than 390 relevant books have been distributed to guide various party branches to carry out theoretical study by all Party members of different levels and categories. The Party committee of the Company pay close attention to the oversight and inspection of the theoretical study at different levels, educate and guide party members and cadres to continuously use the Party's innovative theory to forge their souls, arm their minds, and promote their work.

Fully implementation of theoretical study initiatives

The Party committee of the Company has carried out solid education on the theme of studying and implementing Xi Jinping's socialist thought with Chinese characteristics in the new era, and strived to achieve tangible results in building souls through learning, increasing wisdom through learning, correcting style through learning, and promoting cadres through learning, and promoted the thematic education of SIWI SCI & TECH for solid progress. The Party committee of the Company carried out theoretical study, held special reading classes on high-quality development, deepening of the reform of state-owned enterprises, digital economy, technological innovation, etc., and formulated a statistical table of theoretical learning status and formulated a statistical table of theoretical study status. Five Party members and leading cadres taught special party courses. The list of people's livelihood issues was discussed and 9 major measures focusing on people's livelihood issues were raised to do practical things and solve problems for employees. The Party committee of the Company carried out solid investigation and research, formed 22 inspection questions and 52 measures around 6 research topics, conducted anatomical research on positive and negative typical cases, and organized special research and exchange meetings for thematic education. The Party committee of the Company promoted inspection and rectification, and formulated a special rectification plan to solve the difficult problems that have not been solved for many years in market development".



Carrying Out Theoretical Study Initiatives

Exercising full and strict Party self-governance

We established and improved a decision-making mechanism focused on a list of responsibilities, and held 40 Party Committee meetings during the year, to study and discuss the Company's major business and management matters such as striving for distinctive features, building talent echelons, and adjusting organizational structures. We gave full play to the role of the Party Committee in "managing and promoting". We improved and implemented the "Key Task List and Work Plan for Party Building", so as to effectively promote the work to achieve practical results and ensure that tasks were completed with high quality and efficiency. We solved the problems that required continuous rectification during inspections and rectifications, and implemented "looking back" work on inspections and rectifications to ensure that all problems reported during inspections were solved and responded.

Carry out Special Initiative of "Implementing the Spirit of the 20th National Congress and Tackling of the Problems of the 14th Five-Year Plan"

Focusing on the photoelectronic interconnection business, the Company developed a series of new optoelectronic interconnection products in terms of different products requirements. Led by Party members, the Company established a Party member team to tackle major technological problems, promoted the transformation and launch of products by batch, and strived to improve the innovation of products of SIWI SCI & TECH and to expand development space.



Party Member Team Tackling Major Obstacle in Developing Optoelectronic Interconnection Products

03

Green Development and Low-Carbon Operation

Environmental performance in 2023

Energy consumption (10,000 tonnes of standard coal) is less than: **0.34**
Energy consumption per RMB10,000 operating income (prevailing price) (tonne standard coal/RMB'0,000) is less than: **0.14**
Energy consumption per RMB10,000 value added (prevailing price) (tonne standard coal/RMB'0,000) is less than: **0.73**
Smoke and dust emissions (tonne) are less than: **0.005**
Chemical oxygen demand (COD) emissions(tonne) are less than: **1.1**
Nitrogen oxide (NOx) emissions (tonne) are less than: **0.05**
Volatile organic compounds (VOC) emissions (tonne) are less than: **0.45**
Wastewater discharge (tonne) is less than: **9.91**



Improving Environmental Management

In strict compliance with the Environmental Protection Law of the People's Republic of China, the Energy Conservation Law of the People's Republic of China and other laws and regulations on environmental protection, SIWI SCI & TECH actively responds to the impact of global climate change.

The Company has been comprehensively coordinating and promoting various green development works, such as green management, green innovation, and green operation. By increasing investment in environmental protection, reducing energy consumption, utilizing resources efficiently, promoting and implementing a green and low-carbon lifestyle, as well as strengthening waste management and controlling greenhouse gas emissions, the Company will comprehensively reduce its impact on the environment.

In 2023, we were recognized as an honest and trustworthy enterprise in the environmental credit evaluation.



Environmental Management Organizational Structure



Environmental Management System Certification

We continue to coordinate and promote environmental management certification programs, with an aim to achieve goals of each production department for environmental management system. As of the end of the reporting period, SIWI SCI & TECH and SEI have once again passed the environmental management system certification.



Environmental Management System Certification

Environmental Management systems and Initiatives

In order to strengthen our environmental management capabilities, the Company continued to pursue green and low-carbon goals, comprehensively and systematically promoted energy conservation and carbon reduction, and continuously improved the green level of the Company.

Environmental management measures of SIWI SCI & TECH

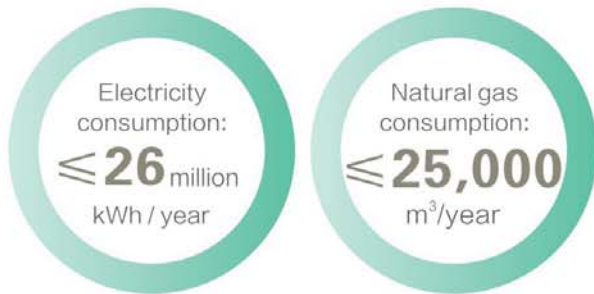
<p>Management of environmental facilities</p>	<p>We ensure the normal operation of environmental protection facilities by strengthening the daily maintenance of these facilities to maximize their effectiveness and ensure the Company's compliance with emissions standards.</p>
<p>Management of environmental protection inspection</p>	<p>The Company leveraged the environmental protection inspection as an important method for environmental protection. Through various forms of supervision, we implemented corrective actions to ensure the implementation of various environmental protection systems.</p>
<p>Management of environmental emergencies</p>	<p>We effectively prevent and properly handle environmental emergencies through emergency management measures to minimize the impact on the ecological environment.</p>

Improving Energy Efficiency

We actively promoted the transformation project of production equipment, continuously explored the methods of energy-saving innovation and green upgrading, and improved the total energy utilization efficiency. In the equipment procurement process, we strictly controlled the quality to ensure that the selected equipment meets energy-saving standards, so as to fully implemented energy-saving responsibilities. Meanwhile, we have also set clear energy-saving index requirements to ensure the smooth realization of energy-saving goals.

Energy Consumption

Our energy consumption targets for 2023



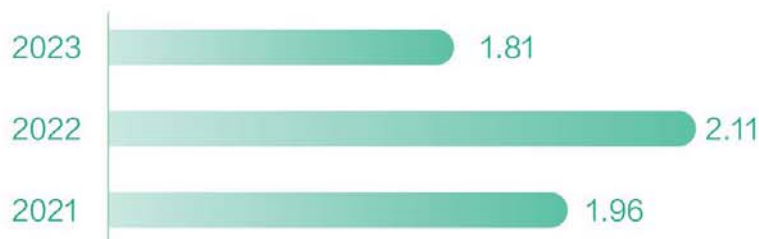
Energy Consumption in 2023

In 2023, the total energy consumption generated by the park of SIWI SCI & TECH (including leasing companies), was 24,222,200 kWh, of which natural gas consumption was 18,100 m³. All energy consumption were controlled within the targets set at the beginning of the year.

Total electricity consumption in the past three years (10,000 kWh)



Gas consumption in the past three years (10,000 m³)



Energy Conservation Measures

Equipment Management

Daily inspections of the capacitor box of each low-voltage station was conducted to ensure the normal operation of the circuit system. Transformation is carried out through timely replacement and installation of capacitors: We installed the new equipment of No. 10 ring network cabinet, restored the use of the No. 2 transformer in the No. 102 factory, and reached the high-voltage equipment supervision agreement with SEI to ensure the normal operation of the circuit system, improved the power factor of the power supply system, and reduced the internal power consumption in the transformer and the losses of transmission line. Production transfer vehicles were gradually replaced by electricity-driven vehicles instead of oil, which effectively reduced carbon emissions and our operating costs became low.

Park Management

The lighting system of some factories in the park was renovated and the 400-watt metal halide lamps were replaced with 200-watt LED industrial and mining lamps, thereby effectively saving energy. According to seasonal changes and lighting conditions, the clock controllers for streetlights are adjusted in a timely manner. During the summer, the opening time of streetlights is reduced, and the nighttime start and stop time of the park's streetlights are scientifically and elastically adjusted to avoid energy waste. The electricity load of each unit is strictly monitored, and by strengthening inspections and power monitoring, measures such as cutting off power to units that violate regulations by using excessive loads are taken to avoid high energy consumption.

Production Management

Shift production is adopted to reduce the number of temperature increase and energy consumption. The number of starts is reduced to reduce the amount of waste material from the locomotive. Subject to complying with all production process standards, we saved raw material and reduced the operating hours of equipment to improve production efficiency. We adopted peak-staggered power consumption measures during the peak period of power consumption: the street lights in the industrial park were adjusted for the time of turning on and turning off in a timely manner according to seasonal changes, and the energy-consuming equipment in the workshop was separately metered to assess the electricity consumption with real-time monitoring.

Technical Management

The implementation of the helium gas recovery project maximized the reuse of helium gas, improved production efficiency, reduced product defects and saved more than RMB 11 million.

Optimizing energy utilization

SIWI SCI & TECH has always been committed to optimizing the management and utilization of natural resources and strengthening the protection of the natural ecological environment by adhering to the principle of resource conservation and protection as priority.

We strictly adhere to the relevant requirements of the Water Law of the People's Republic of China and the Water Pollution Prevention and Control Law of the People's Republic of China, strengthen daily water-saving management, and take various measures to improve water resource utilization. During the Reporting Period, the main water sources used in production and daily office are all supplied by the municipal government without any water pollution risks. The Company has taken various measures to reduce water waste during its business operation and development.

Water Resource Usage

① Improve water use efficiency

Under the direction of the Municipal Water Conservation Office, we reported the annual water use plans and quarterly water increases according to the actual situation, and water use indicators were strictly controlled. Through frequency conversion control, the utilization rate of recycled water was improved and related facility were maintained, resulting in the further reduction of water waste.

② Strengthen duty inspection

Through inspection of the tap water pipeline in the park and meter reading, the water consumption of each unit is analyzed. After discovering abnormal data, we will fully communicate with related unit and conduct on-site inspection. Some outdoor pool faucets were replaced by the faucets with key, so as to timely repair any leaks.

The Company's water consumption target for 2023 is 109,000 tonnes (including the park), of which the total amount of recycled water was 74,300 tonnes.

③ Total water consumption in the past three years (10,000 tonnes)



Packaging Materials Usage

The Company continuously enhanced the efficiency of packaging material use through optimizing production materials and improve production methods. It also adopts methods such as recycling and recovery of packaging materials to reduce packaging material waste.

⦿ Packaging materials used

Plates	We mainly purchase biodegradable and environmentally friendly packaging materials, and are committed to recycling them after repair. By strengthening the reuse of plates and purchasing products with complete sets, we minimize the impact on the environmental by packaging and transportation.
Other materials	Including wooden strips, end caps, and foam, which are be managed and recycled jointly by the Company and customers, conducive to reducing costs and minimizing the impact on the environment.

SEI	Unit	2021	2022	2023
Total amount of packaging materials used for finished products	Tonnes	152.1	152.1	156.34
Amount of packaging materials used per production unit	tonnes/ 10,000 km of core optical fiber	0.24	0.24	0.24
Amount of recycled packaging materials used for finished products	Tonnes	18.95	18.95	15.40
Percentage of packaging materials recycled per production	%	12.46	12.46	9.85



Strengthening Emission Compliance

SIWI SCI & TECH continued to further promote the pollution prevention and control by effectively implementing environmental protection measures and strictly controlling emission compliance so as to drive green development with high standards and improve the quality of the ecological environment.

According to the environmental facility operation management system, the Company established environmental facility ledgers, implemented compliance identification to monitor and reduce emissions of wastewater and waste gas with necessary measures in 2023.

During the Reporting Period, the emissions of wastewater, waste gas, noise and related indicators of the Company were measured by the Mineral Resources Supervision and Testing Center, and all met the relevant standards such as the Technical Specifications for Wastewater Monitoring (HJ91.1-2019), Technical Specifications for Monitoring of Fixed Source Waste Gas (HJ/T397-2007), and Emission Standards for Industrial Enterprises Environmental Noise at Boundary (GB12348-2008), with a 100% compliance rate.

Waste Gas Emissions

In 2023, the Company added two new waste gas emission points, strictly implemented the environmental protection system and promoted compliant emissions through strengthening daily environmental protection inspections, introducing new instrument and equipment, and increasing fund investment.

Environmental protection inspection

By implementing the mode of "one factory, one policy", the inspection records of the park and all kinds of equipment are properly maintained to ensure the timely handling and updating of environmental protection incidents.

Management upgrade

By equipping waste gas purification and treatment devices, we implemented active carbon device filter procedures, ensure the replacement of active carbon in organic waste treatment facilities at least every quarter, and conducted continuous automatic treatment of waste gas through the Company's waste gas treatment system to reduce waste gas emissions.

Professional treatment

The waste gas outlet was cleaned and disposed by a third-party professional company to ensure that emissions meet standards.

Waste gas emissions over the past three years

Type of emission	2021		2022		2023	
	Emission	Average detection value	Emission	Average detection value	Emission	Average detection value
Tin and its compounds ¹	0.3314337 kg	0.717mg/m ³	0.3521109 kg	0.719mg/m ³	0.10912878 kg	3.508 × 10 ⁻³ mg/m ³
						7.008 × 10 ⁻³ mg/m ³

Note: No sulfur dioxide or nitrogen oxide was detected in 2023.

1. The standard Implemented represents the Standards of the second level in Table 2 of the Comprehensive Emission Standards for Air Pollutants (GB16297-1996) (with a statutory standard of 8.5 mg/m³)

Waste Water Discharge

The Company fully controls the sewage disposal process, and carries out routine inspection and rectification of sewage to ensure the compliant discharge of COD, ammonia nitrogen, SO₂ and nitrogen oxides in the sewage pipe pools of the park. During the Reporting Period, we engaged a professional pipeline company to clean up the pipelines and sewage pipe pools in the park, which met the third-class standards and were discharged into the sewage treatment plant.

In 2023, we produced 10,900 tonnes of wastewater. The indicator of COD is 75mg/L in 2023, which is far lower than that of 161 mg/L in 2022.

Wastewater discharge in the past three years

Type of discharge	Statutory standard	2021		2022		2023	
		Emission	Average detection value	Emission	Average detection value	Emission	Average detection value
Chemical oxygen demand (COD) ²	500mg/L	1.0775592 tonne	362mg/L	14.7476 tonne	161mg/L	8.175 tonne	75mg/L
Ammoniacal nitrogen ³	45mg/L	0.0491832 tonne	42.6mg/L	3.9846 tonne	43.5mg/L	0.94067 tonne	8.63mg/L

2.The standard Implemented represents the Standards of the third level in Table 4 of the Integrated Wastewater Discharge Standard (GB8978-1996)

3.Grade B standards in Table 1 of the Standards for the Quality of Wastewater Discharged into Urban Sewers (GB/T31962-2015)



Waste management

SIWI SCI & TECH strictly abides by the requirements of the Solid Waste Pollution Prevention Law of the People's Republic of China, and strives to achieve the goal of waste treatment and reduce the impact of waste on the environment.

Solid wastes generated in the production activities of the Company include general wastes and hazardous wastes. In 2023, we continued to incorporate the pollution prevention and control of hazardous wastes into the Company's special safety plan and implement unified supervision and management.

Through classified management and centralized disposal of hazardous waste, we realize the reduction, recycling and harmlessness of hazardous waste. We cooperate with solid waste disposal companies with professional qualifications to deal with hazardous wastes, so as to achieve compliance and legal disposal, while general waste is handed over to the property manager of the park for garbage cleaning.

In 2023, the Company produced a total of 49.21 tonnes of waste, of which hazardous waste accounted for 46.35% of the total waste, which was higher than that in 2022, which was mainly due to the centralized processing of large amounts of emulsions discarded and scrapped in the past.

◎ SIWI SCI & TECH

Type of solid waste generated (tonne)	2021	2022	2023
General waste ⁴	26.4	26.4	26.4
Hazardous waste	6.72	3.59	22.81

4. The total general waste includes that from the enterprises in the industrial park

◎ SEI

Types of hazardous waste (tonne)	2021	2022	2023
Waste mineral oil (HW08)	0.2	0.2	0.2
Waste packaging(bottle) (HW49)	0.93	3.928	4.95
Waste organic solvent and waste liquid containing organic solvent	1.8	0.8	0.5
Waste activated carbon	0.43	0.9	0.48
Total	3.36	5.828	6.13
Density (unit output or hazardous waste generated by each facility) tonne/10,000 km of core cable	0.0053	0.0096	0.0091

Response to Climate Change

SIWI SCI & TECH actively responds to the national dual-carbon policy, continuously pays attention to the climate impact, and incorporates the responsibilities for managing climate change into the Strategic Development Committee of the Company's Board of Directors as one of the important contents of ESG management, and conducts periodic monitoring and evaluation.

Climate Risk Management

The Company has established a systematic climate risk system with corresponding risk system and risk management framework.

☉ Climate risk management framework



According to the classification of enterprise climate risk by TCFD (Task Force on Climate-related Financial Disclosure), we identify that the climate risk of SIWI SCI & TECH in 2023 mainly includes the following aspects:

Category	Risk	Response Measures
Physical risks related to climate change	<ul style="list-style-type: none"> Short-term risk: the increasingly serious extreme weather such as rainstorm, earthquake, flood and high temperature leave enterprises exposed to the risk of damage of production facilities and interruption of value chain. Long-term risk: global and regional climate change in the long run will lead to the reduction of production, manpower and material output. 	<ul style="list-style-type: none"> Formulate and strictly implement the Emergency Plan for Sudden Environmental Events, strengthen emergency drills, and enhance response ability . Add new facilities and equipment, upgrade disaster rotection, and ensure the normal operation of equipment and the occupational health of employees in extreme climate Optimize energy-saving and environmental protection facilities and improve energy efficiency Conduct relevant climate change-related training for employees.
Transition risks related to low-carbon economy	<ul style="list-style-type: none"> Policy risk: the government introduces stricter laws and regulations on environment and climate change. Technical reform: product performance and environmental protection indicators need to be further optimized. Market change: the trend of the market and the formulation of business strategy by enterprises. 	<ul style="list-style-type: none"> Continue to promote the "green and low carbon" development strategy, carry out energy conservation and emission reduction work, and improve the green level of production and operation. Staggered power consumption is adopted, and strictly implement of hierarchical control based on "one factory, one policy". Strictly abide by the environmental protection requirements of products. Actively conduct the research and development of new products and technologies, improve industrial concentration and increase productivity and efficiency.

Carrying out climate action

SIWI SCI & TECH actively carries out green office, promotes green supply chain, green operation and green production, advocates and pushes forward energy conservation and emission reduction with practical actions to respond to climate change risks.

Practicing green office

The concept of green office and continue to promote digital and paperless office is firmly implemented. We reasonably reduce the use of air conditioners, use water-saving equipment and recyclable office consumables, and adopt more environmentally friendly and energy-saving products for building elevators, office lighting, staff restaurants and other scenes.

In 2023, the environmental-related risk assessment was extended to the whole supply chain, giving priority to suppliers who have passed the environmental management system certification.

Green supply chain management

Green production

For products and processes with high energy consumption, such as radiation and tinning production lines, we adopt peak-shifting production to arrange evening shift and night shift production without affecting delivery.

In 2023, we carried out various training courses. Through irregular training and education, we further enhanced the front-line employees' awareness of green production and improved the skills of the personnel responsible for environmental protection facilities and equipment.

In 2023, 9 people participated in environmental protection related training, 2 people participated in environmental protection training, and the coverage rate of pre-job environmental protection knowledge training for new employees was 100%.



Environmental Protection Training

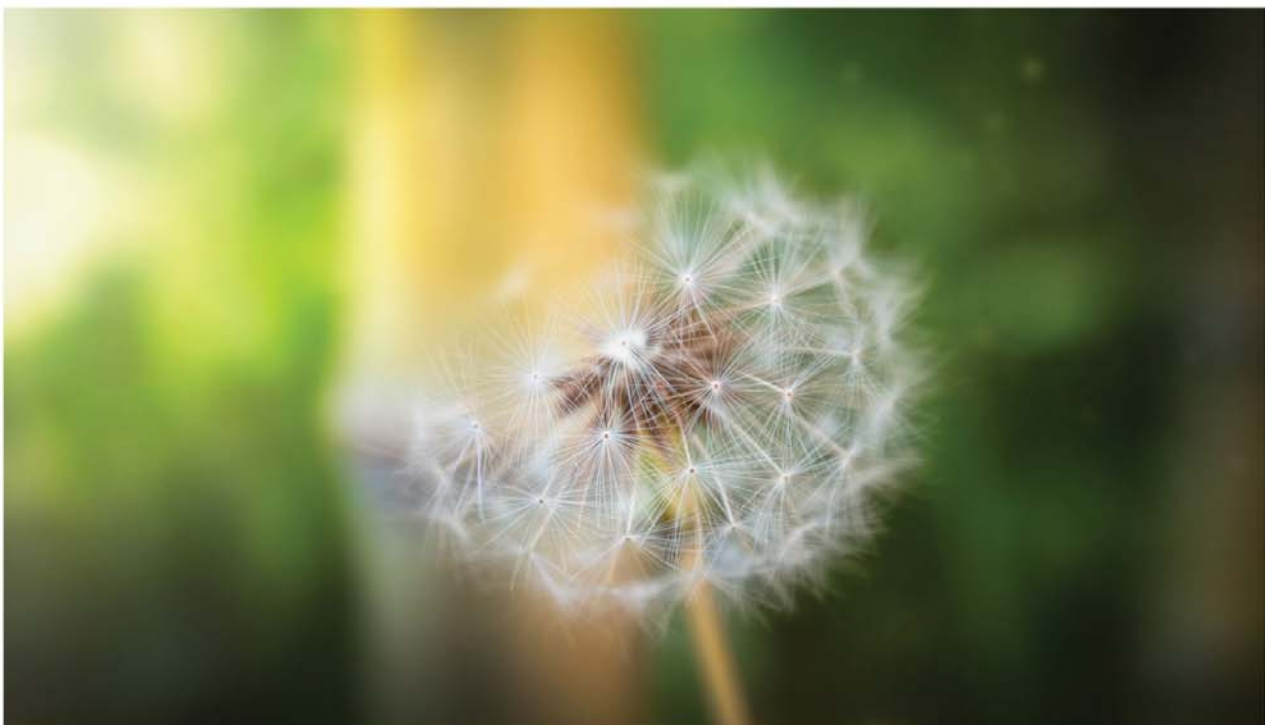
Greenhouse Gas Emissions

The Company's greenhouse gas emissions mainly come from the purchased electricity, natural gas, gasoline and diesel oil, which are indirect emissions. In 2023, the Company's total emissions were 19,057.80 tonnes CO₂e, of which the Scope II emissions accounted for more than 99% of the total emissions.

By setting annual energy-saving and emission reduction targets, the Company controls and tries its best to reduce the consumption of electricity, natural gas and gasoline, thereby reducing greenhouse gas emissions.

Scope of Carbon Emission	Type	Consumption	Carbon Dioxide Equivalent Emission (tCO ₂ e)
Scope1	Gasoline	5,160 liters	12.19
	Natural gas	18,100m ³	39.19
Scope2	Electricity	21,094,800.0kWh	19006.42
Total carbon emissions			19057.8

Accounting basis: GB/T 32150 General Principles for Accounting and Reporting of Greenhouse Gas Emissions for Industrial Enterprises, Standardization Administration
GB/T 32151 Requirements for Accounting and Reporting of Greenhouse Gas Emissions, Standardization Administration



04

**Join Hands to
Empower Society**



Product Responsibility

Stick to quality products

Quality Management System

Adhering to the concept of “Promoting High Quality Development”, SIWI SCI & TECH strengthened the management of product quality to maintain the stable development, while undertaking the responsibility for customers, society and the country and making its contribution.

In the production process of our products, we strictly abided by national and industry standards, implemented process specifications and inspection systems, fully carried out the management and implementation of construction quality objectives through focusing on the process discipline inspection, inspection discipline inspection, internal audit, providing daily on-site technical support, as well as conducted the inspection upon arrival, intermediate inspection and finished inspection, established and implemented quality target management, so as to ensure the quality management of all kinds of products in the whole production process.

- We integrated quality, environmental and occupational health and safety management systems, organized the establishment, improvement and release of one manual of implementation management and 37 procedural documents.
- We implemented the GJB9001C standard, completed the expansion of GJB9001C quality management system certification, and incorporated new products into the Company’s GJB quality management system control.
- We have maintained and improved the ability of assembly products inspection and completed assembly business-related testing and quality control.
- We have established the ability of new product inspection and completed new product-related testing and quality control.



Part of the Certificates Obtained in 2023

Quality Management Training

During the Reporting Period, we carried out a series of professional quality knowledge training to improve the quality awareness and professional capability of our employees and ensure the market competitiveness of our products.



Quality Management Training

In order to improve the corporate quality management in an all-round way, quality awareness education training and QC activity training were successfully conducted in September 2023, with a total of more than 60 employees participated.

Through two trainings, we further strengthened their awareness of quality responsibility, improved the level of QC team of the Company, and gave full play to the role of employees/QC teams in boosting quality, reducing consumption, improving employee quality and economic benefits, and laying the sound foundation for the Company's subsequent quality management.

Production Quality Inspection

We sorted out the product production process and established the Product and Service Release Control Procedure, which stipulated the requirements for the whole process including stock-in inspection, process inspection, final inspection, customer inspection (military products) and packaging inspection. In 2023, the confirmation and inspection regulations and test reports of key raw materials all included environmental protection requirements, which met Rohs requirements.

Product Inspection Performance

Raw material inspection

The inspection of rail transportation business, component business and optical product business in nearly 3,000 batches were completed in time.

Component product inspection

The inspection of components in process and finished product was completed in time according to the production requirements, joint inspection with customers was conducted and the product delivery time was shortened. We built new product inspection capabilities, and the inspection of urgent and extra urgent components of each subject was guaranteed.

Cable product inspection

The inspection of product in process of each process on the production site and the inspection of finished product before entering the warehouse were completed in time, the inspection capabilities for new products and externally processed product were built and the trial production and trial inspection of products were completed according to the requirements of production and delivery.

Optoelectronic products inspection

New inspectors were allocated and trained, new products inspection capabilities were built, the inspection of finished product was completed in time according to production and delivery requirements, and new product development testing and inspection tasks were completed.

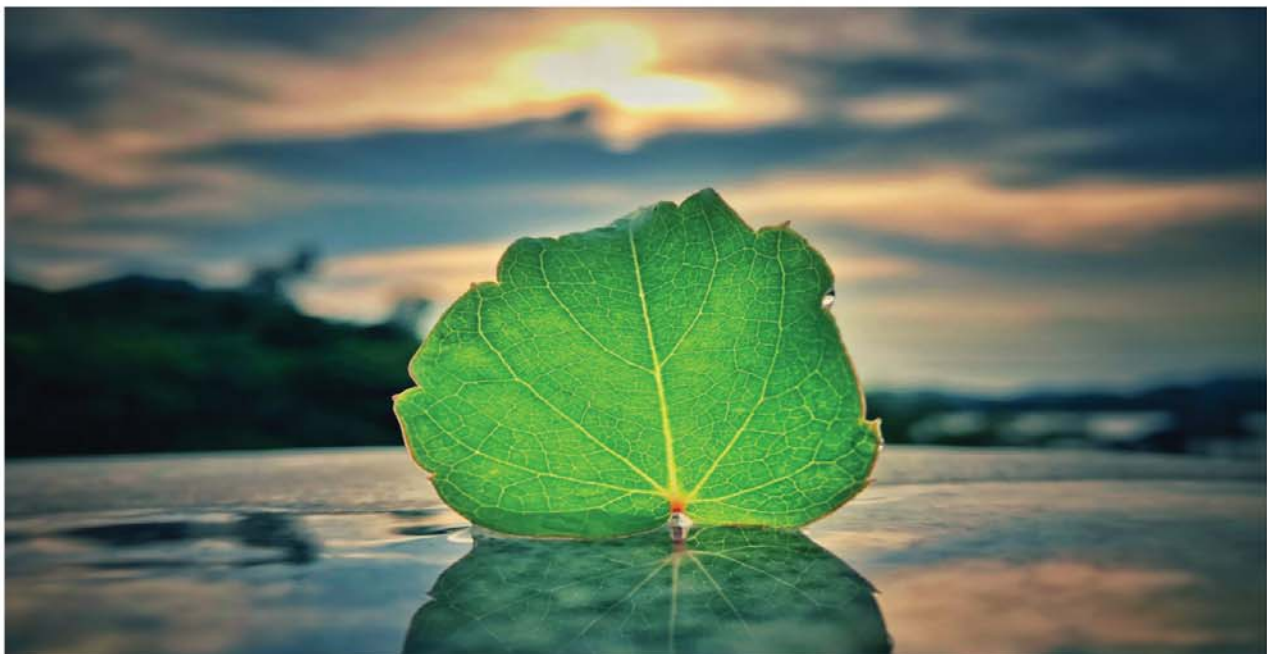
⦿ Improving Product Qualification Rate

We have improved and strictly implemented the requirements for product quality control. We supervise and manage the product realization process through internal audit and special inspection, and make rectification in a timely manner when problems are found.

- Special examination of process discipline and inspection discipline: strengthen the important content of process management, and provide guarantee for establishing normal production order, ensuring product quality, reducing consumption and improving efficiency.
- Internal audit and management review: put forward corrective and preventive measures by checking out the shortcomings of the work, continuously improve the quality of the operation and management of the Company in order to make the Company meet the requirements of the review criteria.
- Upgrading of inspection methods: We purchased 5 new testing equipment, established and improved multiple process inspection capabilities and new product testing capabilities to ensure product quality.

Qualification rate of main products of SIWI SCI & TECH in the past three years

Product category	2021	2022	2023
Optical fibers products	94.33%	94.51%	95.41%
Cable products	98.74%	98.33%	99.41%
Cable component products	-	99.43%	98.86%
Optoelectronic products	-	-	100%



Supply chain responsibility management

We are committed to providing sustainable cooperation for the upstream and downstream of the supply chain, and push forward ESG practice and common development by incorporating relevant indicators of ESG into our supply chain evaluation.

In 2023, we increased seven production plans and procurement-related management systems, including Measures for the Organization and Implementation of Production Plans, Measures for the Outsourcing Management of Cable Assembly and Manufacturing and Management System for Irradiation and Wire Drawing Processing Business, and revised two systems, including Procurement Management System, effectively strengthening the supply chain responsibility and ensuring products delivery.

We implement standardized supplier admission procedures in accordance with the Company's Qualified Supplier Control Procedure and Management Measures for Suppliers:



SIWI SCI & TECH incorporates some elements of ESG into supply chain management, including:

- Priority is given to suppliers who have passed the third-party certifications of environmental management system and occupational health and safety management system.
- Suppliers are required to strictly implement the laws and regulations related to environment and occupational health in the production process, so as to minimize the adverse impact on the environment and occupational hazards.
- Environmental friendly materials are preferred for procurement.

Item	Indicator	Unit	2021	2022	2023
Supplier	Total number	/	1844	2068	2298
	Comparison and selection times	Time	15	64	82
	Quantity of supplier code issued	/	143	224	199
Statistics of suppliers by geographical region	Mainland China	/	1827	2051	2281
	Overseas	/	17	17	17

Promoting Innovation-driven Development

We take practical actions in response to the call of increasing investment in scientific and technological innovation by centrally administered enterprises, and are committed to strengthening the basic management of scientific and technological innovation by building an efficient innovation team and establishing an effective innovation incentive model.

Improving the innovation system

- In 2023, a total of RMB10.6516 million was invested in scientific research and development, and a government subsidy of RMB286,800 was obtained.
- Completed the revision of 6 management documents including Product R&D Realization and Project Management Procedures, R&D Investment Management Measures, Reward Measures for Scientific and Technological Achievements, and Patent Management Measures to standardize scientific and technological innovation management according to the Company's actual development and achieved the coordination management of scientific and technological achievements.
- The attraction of innovative talents was strengthened. 16 new scientific and technological R&D personnel were introduced, forming a scientific research team including 24 scientific and technological R&D employees. We established a chief studio/innovation center, added 2 expert team members, and promoted the Company's new product development tasks.

- Optoelectronic products: Focusing on the Company's industrial structure, we added new projects for optoelectronic products, obtained the corresponding GJB9001C certification, and expanded new sales markets.
- Cable products: We vigorously promoted the domestic replacement of raw materials, avoided the risk of raw material supply interruption, and significantly reduced manufacturing costs. We completed the trial production and verification of the upgrade of original cable products, developed new product materials and structural designs, significantly improved product performance. We accelerated product research and development upgrade, completed the design, development and sales of 7 new products. We promoted the establishment of new projects for cable products and obtained corresponding certification qualifications to further respond to market demand.
- Cable component products: We promoted the research and development of new product projects according to market demand, built new product production and inspection capabilities, and satisfied customer needs.
- Transforming innovation achievements: In 2023, the Company was granted 4 patent authorisations, including 2 invention patents and 2 utility model patents. The Company has 44 valid patents, including 2 invention patents and 42 utility model patents.

Promoting technology application

Service Quality Assurance

Taking a customer-oriented approach, we are committed to creating sustainable value by providing our customers with high-quality products and optimal solutions.

During the Reporting Period, there were no product recalls due to quality issues.

④ Customer information protection

Based on the ISO 27001 Information Security Management System, we take a multi-pronged approach to manage information security risk from aspects such as information asset management, human resources security, physical access management, and logical access management in strict compliance with the relevant confidentiality system of the Company, thereby ensuring information security. Customer information is entered into the MIS system based on a hierarchical authorisation system for protection and management.

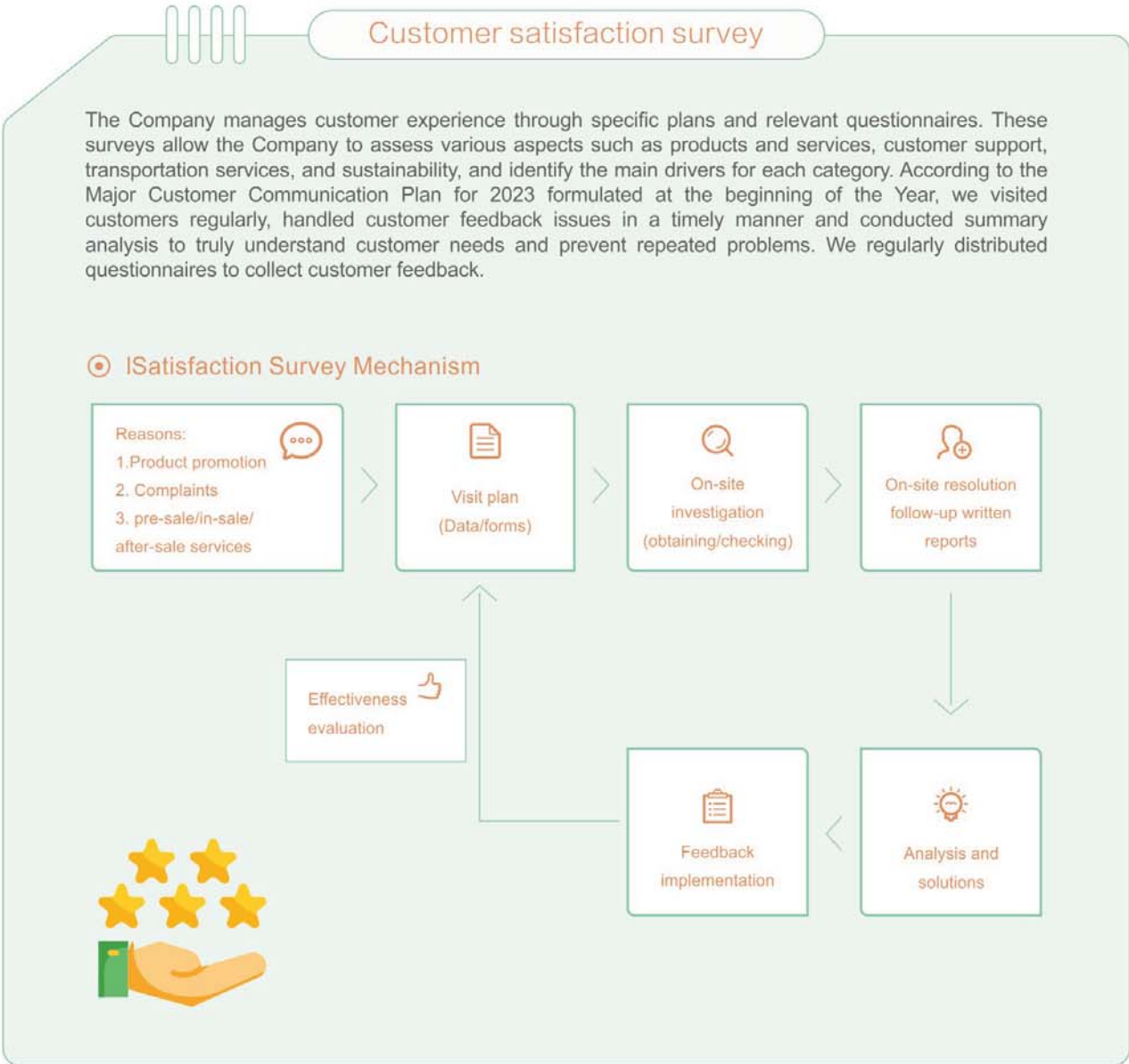
In 2023, SIWI SCI & TECH organized all employees to signed confidentiality agreements, conducted confidentiality training, in order to enhance our employees' awareness of confidentiality.



Confidentiality Training

In order to strengthen the sense of responsibility and ability for confidentiality work in the new era and new journey, SIWI SCI & TECH carried out a special confidentiality and security training titled Challenges Facing China's National Security and the Responses on April 27, with a total of more than 70 employees participating the training.

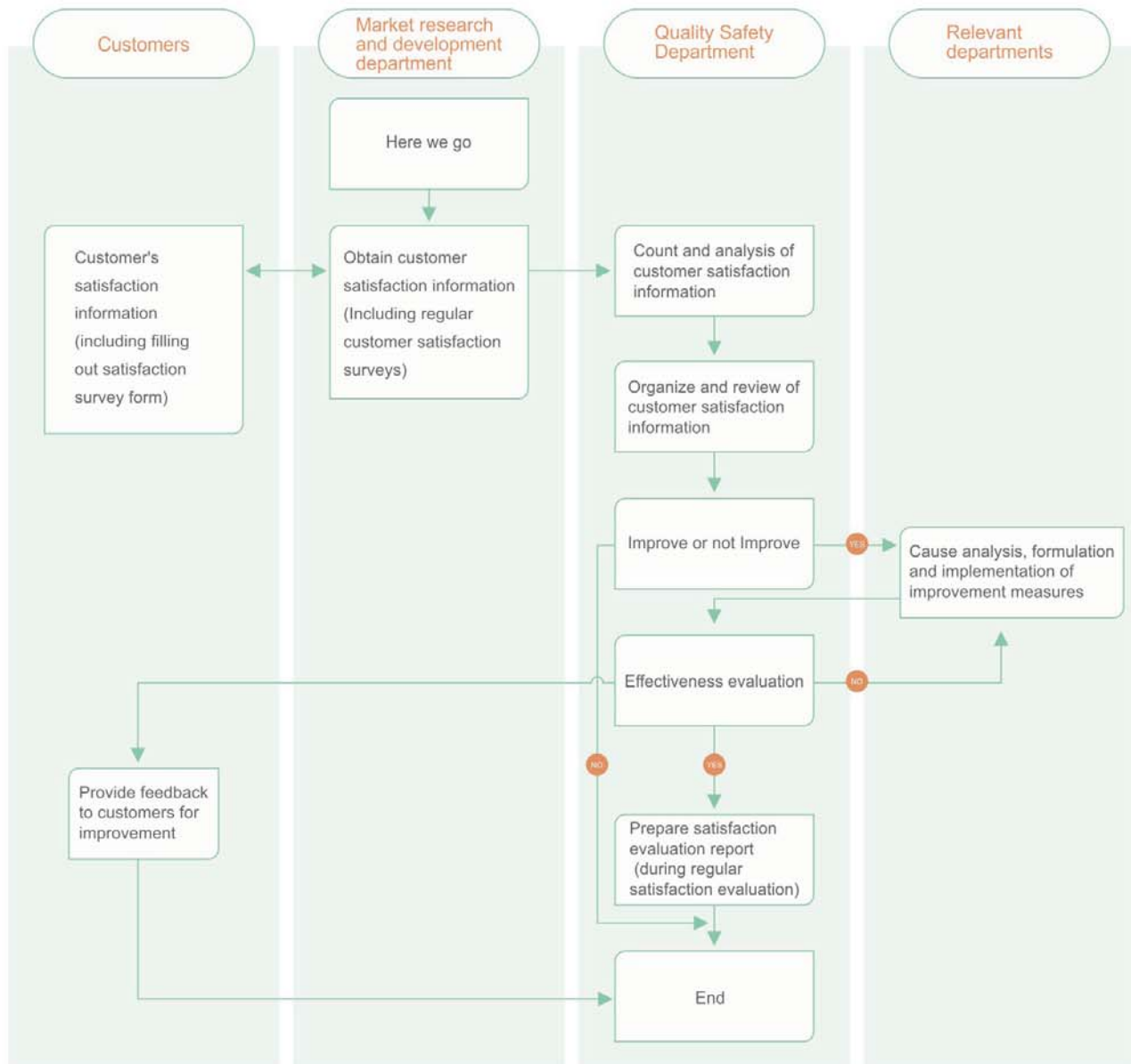
Customer service management



Item	Index	Unit	2021	2022	2023
Customer satisfaction	SIWI SCI & TECH	%	-	97.26%	95.01%
	SEI	%	96.61%	96.61%	96.66%

Customer complaint management

The Company's product complaint management consists of the market research and development department, supply chain center, asset operation department and other relevant personnel, which is organized by the quality and safety department to form an after-sales service team. Through comprehensive problem analysis, we fully understand customer needs, identify and eliminate root causes, and provide feedback on improvements.



In 2023, SIWI SCI & TECH received 12 cases of customer feedback for product quality, SEI received three customer complaints for product quality. Through active analysis of the causes and careful examination of production data, a mutually agreed-upon solution was reached after negotiation between both parties.

- Number of products sold or shipped that need to be recalled due to safety, quality or other reasons: **nil**
- Customer complaint handling rate: **100%**

Harmonious Workplace

Adhering to the strategy of talent-led development, SIWI SCI & TECH deepens the institutional mechanisms and reforms for talent development, creates the comparative and competitive advantages of talents, and makes every effort to cultivate, attract, and utilize talents, so as to promote structural changes in talent. At the same time, we effectively safeguard the legitimate rights and interests of our employees, actively give full play to their enthusiasm and creativity, and help them grow with our Company.

Employee Rights and Benefits

🕒 Employee Rights Protection

- While adhering to the basic principle of people-oriented, the Company fully respects labor, talent, and creativity, legally safeguards the legitimate rights and interests of employees, and continuously improves the sense of happiness and achievement of employees.
- Strictly abide by relevant laws and regulations such as the Labor Law and Labor Contract Law to protect the lawful rights and interests of employees.
- Recruitment work is carried out in strict accordance with the Employee Recruitment Management System, we prohibit any discrimination against employees in terms of gender, and comply with the Regulations on Prohibiting Child Labor to eliminate the use of child labor.
- We formulate the Total Salary Management Measures, Salary and Welfare System, the Management Measures for Position Setting and Adjustment, the Implementation Rules for Job Promotion and demotion, the Allocation Implementation Rules for Department Performance, the Performance Appraisal Management and Reward Allocation Measures, etc., so as to fully ensure that employees receive return for their work.
- Ensure employees' right to leave and provide paid annual leave, marriage leave, maternity leave, nursing leave, breastfeeding leave, funeral leave, one child care leave, parental leave, family leave, high temperature leave and other holidays, and actively promote employees' family harmony and happiness in accordance with national regulations.
- The Company enter into a collective contract and collective wage agreement with all employees every year, and make full contribution to the social insurance and housing provident fund for employees.
- Reached a consensus in the 2023 Collective Wage Agreement to further narrow the gap between employees' wages and the average social wage.

2023

the labor contract signing rate was 100%

here are no incidents of employee abuse

labor law violations



◎ Diversity and Equal Opportunities

We are committed to building a diverse workforce. We treat workers of different ethnicities, genders, and religions equally, fully ensuring that employees have equal rights in recruitment, employment, salary and benefits, training and promotion.

As of December 2023, the Company had a total of 486 employees, including 116 employees with bachelor's degrees, 24 employees with master's degrees and above; 37 employees holding senior titles, 39 employees holding intermediate titles, and 37 employees holding junior titles.

Employee Composition		Unit	Number
Number of employees		Person	486
By gender	Number of female employees	Person	123
	Number of male employees	Person	363
By employment type	Labor contract system	Person	442
	Labor dispatch system	Person	42
	Re-employ after retirement	Person	2
By age group	>50	Person	217
	30-50	Person	180
	<30	Person	89
By region	Mainland China	Person	486
	Taiwan, Hong Kong and Macao, China	Person	0
	Overseas	Person	0
By education level	Number of employees with a bachelor's degree	Person	116
	Number of employees with master's degree	Person	24
	Number of employees with doctoral degrees	Person	0
By title	Number of senior titles	Person	37
	Number of intermediate titles	Person	39
	Number of junior titles	Person	37

◎ Remuneration and Benefits

We continuously optimize the Remuneration Management Systems, revise and improve our remuneration management system and performance assessment management system, thus rationalizing our remuneration structure and changing it to a performance-oriented one in favor of core and key positions, to reflect the distribution principle of "fair pay for work" and "more work, more pay". We also optimize the profit-sharing mechanism to achieve coordinated growth between labor costs and efficiency.

- To ensure the welfare level of frontline employees, we formulated and released the Remuneration and Benefits system and other management measures related to performance appraisal.
- We have improved the long-term incentive system and optimized flexible benefits to meet the diverse needs of our employees.
- To attract talents, supplement the talents needed for the Company's development, and enhance the sense of belonging and happiness of our employees, we provide dormitories free of charge for the Company's new employees.

Occupational Training and Development

We cherish the value of every employee, actively explore their capabilities, and build a platform to facilitate their career development and promote the communication with and growth of employees.

◎ Improving the Training System

- The Company highly valued the improvement of employees' business capabilities, formulated and issued the 2023 SIWI SCI & TECH Employee Training Plan, reviewed the list of business training, professional qualifications, and operation certificate training, and implemented based on the plan.
- In 2023, the Company conducted a total of 13 first-level trainings, with a total of 521 participants participating in the training. During the training, the Company appointed an external professional lecturer and 29 specialist institutions to provide training programs in the Company, where outstanding talents were invited from various fields within the Company to share their experiences. The training content included many aspects such as improving managers' ability and quality, new employees education, safety education, confidentiality awareness, legal risks, network security, Ctrip business travel, job knowledge, QC knowledge, product technology, production skills, various position training, etc.

Employee Training for the Year	Unit	Number
Total investment in training for the year	RMB0'000	64.17
Total training attendance for the year	Person-times	1975
Employee training coverage	%	77.94%
Male employee training coverage rate	%	71.39%
Female employee training coverage rate	%	96.69%
Training coverage rate for ordinary employees	%	76.43%
Training coverage rate for management-level employees	%	100%
Average number of annual training hours of all the employee	Hour	20.43
Average number of annual training hours of all the male employees	Hour	16.82
Average number of annual training hours of all the female employees	Hour	30.76
Average training duration of ordinary employees	Hour	17.86
Average training duration of management-level employees	Hour	59.34

◎ Maintaining Accessible Development Platforms

The Company have formulated and issued the 2023 Assessment Plan to assess employees and issue corresponding performance-based bonus to the employees with excellent assessment.

The Company has newly added the Recruitment Management Measures for Professional and Technical Positions and Vocational Skill Levels, Management Measures for Position Setting and Adjustment, and Implementation Rules for Job Promotion and demotion to provide employees with channels for growth.

We are fully committed to the self-development of our employees, and development of their technical skills through accessible platforms. In 2023, the Company organized two skill competitions for frontline employees, with 130 participants. One employee of the Company won the honorary title of "High-tech and New Artisan".



Photo of winning the honorary title of "High-tech and New Artisan " in 2023

Safety Production and Occupational Health

◎ The concept, policy and vision of safety production

Adhering to the concept of people-oriented, health-care, and safe development, SIWI SCI & TECH fully guarantees the safety and development of employees.



◉ Safety Management

The Company insists on thoroughly implementing laws and regulations such as the Law of the People's Republic of China on Work Safety, establishes a solid and effective safety management system around the safety production standardization system and the safety management enhancement during the Year, strictly abiding by the Red Line for safety, effectively implementing the safety production responsibility system, and realizing the hierarchical control of safety risks.

In 2023, the Company achieved the overall goal of safety production management, without any incidents of safety, fire protection, and environmental protection or government penalties. The Company also obtained a law-abiding certificate from the safety supervision department of the local government, and the overall safety production situation was under control.





Photos of special emergency drill for fire accidents caused by debris in the industrial park

Photos of emergency drill for hazardous chemical fire accidents in the industrial park

- Fulfill fire protection responsibilities and enhance fire protection awareness

In 2023, the Company carried out intermediate fire protection maintenance, organized 2 trainings for fire safety knowledge in the industrial park, and distributed fire protection knowledge books to all employees to further deepened the fire safety awareness of the enterprises in the industrial park, improved the ability of enterprise employees to respond to unexpected fire events, and provided safe operations and production in the industrial park laid a sound foundation.

- Pay attention to occupational health and protect the health of employees

In 2023, SIWI SCI & TECH conducted a health examination for all employees, organized occupational health examinations for 138 participants, and implemented the detection of occupational hazard factor.

The Company achieved full coverage of occupational health monitoring for employees in vulnerable positions and special process positions. There were no suspected or confirmed occupational diseases during the year.

- Increase investment in production safety and strengthen the foundation for enterprise development

In 2023, the safety funds of SIWI SCI & TECH were disbursed in accordance with relevant regulations so as to provide material guarantees and important prerequisites for preventing and reducing safety accidents.

Investment in production safety in the past three years



Occupational health investment in the past three years



Occupational Health Management

The Company attaches great importance to the health and safety of its employees. It strictly complies with relevant laws, regulations and national standards such as the Occupational Disease Prevention and Control Law, the Production Safety Law, the Labor Protection Law, the Labour Contract Law, the Regulations on Work-Related Injury Insurances, the Measures for the Management of Occupational Health Examination, and Occupational Health Monitoring Technical Specifications, and strictly implement the Occupational Disease Hazard Prevention and Control Management System and the Labor Protection Equipment Management System as well as national standards. In 2023, the Company and SCI obtained the occupational health and safety management system certification.



The Certificates of Occupational Health and Safety Management System Certification



- **Establishing comprehensive files:** We have improved complete files for monitoring and taking care of employees exposed to occupational hazards, established occupational health monitoring files for 37 new employees. By the end of the year, there were a total of 283 occupational health monitoring files, including 113 occupational health monitoring files for current employees.
- **Providing health check-ups:** We provide pre-post and in-post occupational health check-ups for employees in vulnerable positions. A total of 42 persons, including 37 new employees, 1 transferred employee, and 4 special operations personnel, were arranged to undergo pre-job occupational health examinations, 93 persons were arranged to undergo in-job occupational health examinations, and 3 persons were arranged to undergo off-the-job occupational health examinations.
- **Conducting training:** We provide relevant safety education and training to employees in vulnerable positions in accordance with safety standardization requirements. We organize training for safety officers, team members, personnel in positions exposed to occupational hazards, and new employees on the Prevention and Control of Occupational Diseases Law, the Occupational Health Operating Procedures and the Company's occupational health management system.
- **Providing and maintaining facilities:** We provide and maintain facilities and equipment related to occupational disease prevention and control.

Noise reduction equipment: Noise-generating equipment is equipped with soundproof covers, shock-absorbing pads, etc., and the air compressor room is equipped with soundproof walls.

Dust-proof equipment: The material is fed by a vacuum pump, and the operator is only responsible for regular feeding, reducing the chance of the operator being exposed to dust.

Anti-toxic equipment: we set up air collecting hoods to connect exhaust purification facilities, exhaust ducts to connect local detoxification facilities and spray purification devices to purify toxic substances and discharge them out of the workshop.

High temperature protection equipment: The outer layer of the equipment is made of heat insulation materials.

Anti-radiation equipment: The walls of the computer room are all shielded walls, equipped with radiation measurement alarms, intelligent digital radiometers, signal indicators, alarm bells, emergency buttons, chain control systems, safety monitoring systems, warning signs, and axial flow fans.



- Providing adequate supplies: We equip employees with protective equipment and emergency supplies that meet national standards. Brushed tin plating operators are equipped with anti-noise earplugs, wire gloves, anti-scalding gloves, and goggles. Operators of bunching and frame twisting are equipped with anti-noise earplugs and wire gloves. Extruders are equipped with anti-noise earplugs, wire gloves, and anti-scald gloves. Electronics assembler equipped with wire gloves, dust mask. Irradiation operators are equipped with wire gloves, canvas gloves, and goggles. Air compressor workers are equipped with anti-noise earplugs and cord gloves. Mechanics are equipped with line gloves. Electricians are equipped with wire gloves, insulating gloves, and insulating shoes. Inspection workers are equipped with dust masks, anti-static gloves, and cloth gloves.

- Conducting regular reporting: We conduct annual reporting on occupational disease hazards and engage relevant institutions to conduct testing and publicize the results.



From May to August 2023, a third-party organization tested the occupational disease hazard factors of the Company, issued a test report on 30 August 2023, and posted the hazard factor test results in each workshop. In November, the Company applied for occupational disease hazard projects in the occupational health prevention and control service system and successfully passed the review.



Occupational Hazard Factor Detection Report



- Conducting regular evaluations: We engage institutions to conduct a status quo evaluation of the occupational health situation every three years, and implement corrective measures to prevent and control occupational disease hazards. In 2022, the Company passed the evaluation of the current status of occupational disease hazards, and the next round of evaluation will be carried out in 2025.

For the purpose of preventing and controlling the occupational hazards and safeguarding the health and related interests of our employees, the Company established an occupational disease prevention and control leadership group and formulated the 2023 Occupational Disease Prevention and Control Plan and Implementation Plan in 2023. We established various safety warning signs and publicity banners. In the meantime, the Company also revised several occupational health management systems, including the Safety Risk Management System, the Safety Operating Procedures for Temporary Storage of Hazardous Chemicals, the Occupational Health and Labor Protection Management System, the Occupational Disease Prevention and Control Responsibility System, and the Occupational Hygiene Operating Procedures. Through the identification of hazards and harmful factors, the Company gains an accurate understanding of the hazardous and dangerous factors in positions where employees may be exposed to them. We took targeted preventive measures to effectively reduce the risks accidents in occupational health and safety.



In 2023, there were 19 employees in special positions holding special certificates (12 electricians, 1 welder, 4 working at heights, and 2 other hazardous chemicals workers), and 20 operators holding special equipment certificates(7 employees for pressure vessels, 10 employees for forklifts , 3 crane drivers, 1 special equipment manager), pre-job occupational health examinations were arranged for welders and personnel working at heights who were newly certified this year, and in-job occupational health examinations were arranged for the remaining personnel, and no occupational contraindications were found. All was able to engage in current work. A total of three occupational health training sessions were conducted throughout the year for personnel in special positions.

In 2023, during a routine health check-up, one irradiation maintenance worker was found to have an occupational contraindication. Upon receiving the Notice of Contradictions to Occupational Health Check from the hospital, the Company immediately informed the worker and promptly transferred him from his original position, providing appropriate arrangements for his health and safety.

During the reporting period, the physical examination rate of employees exposed to occupational hazards reached **100%**, and the number of confirmed cases of occupational hazards was **0**; all employees were organized to undergo health examinations; the number of working days lost due to work-related injuries was **0**; the establishment rate of employee occupational health monitoring file was **100%**; The number of fatalities on duty in the past three years was **0**.



Occupational Health Examination Report

Employee Communication and Care

Employee Communication

SIWI SCI & TECH is committed to building harmonious and stable labor relations. It adopts the employee representative meeting as the basic form, constantly broadens democratic communication channels, establish and improve comprehensive and multi-level employee communication system, so as to protect the rights and interests of the majority of employees.

In 2023, the Company promptly announced the status of its production and operation status, major reform issues through traditional forms such as the employee representative meeting, trade union committee and employee' representatives (group) leaders meeting, and regular Party building meetings, combined with the new media method of the official "SIWI SCI & TECH" WeChat account, published the hot issues of concern to employees in a timely way, paid attention to the timeliness and authenticity of disclosed content, guided employees to participate in democratic management and democratic supervision, and strived to create a harmonious situation in which the Party and government authorities worked together to manage and employees actively participating in it.



Employee Representative Meeting

Employee Care

The Company puts its employees at the core, cares about and improves their working and living conditions, creates a relaxed and pleasant working environment for employees, and enhances employees' sense of happiness, satisfaction and belonging.

System guarantee



In 2023, we improved and standardized the Chengdu SIWI SCI & TECH Employee Assistance System and Union Expenditure Management Procedures and other union systems to form an assistance system, increased the intensity of inclusive benefits for the union, and promoted the normalization and standardization of assistance work, enhanced the effective protection of the lawful rights and interests of the employees.



Regards and Assistance



We have always prioritized solving practical difficulties for employees with sincerity, and expressing care and concern for our employees through various forms.

In 2023, the Company provided assistance or gifts to a total of 9 employees facing difficulties, including 13 employees who were inpatient due to illness and 18 employees for other reasons; awarded scholarships to 10 employees; provided educational assistance to 1 employee. The Company provided gifts to 300 employees for the Spring Festival and 279 employees for "Cooler in Summer" activity and also renewed the "Mutual Assistance and Protection Plan for Workers with Major Diseases and in Hospital" for 401 employees. As to gifts for holidays, the Company distributed gifts to 305 employees during the Dragon Boat Festival, and 387 employees during the Mid-Autumn Festival. Additionally, we distributed birthday cake cards to 445 employees.



Gifts for the Spring Festival



Gifts for "Cooler in Summer" Activity

Cultural and Sports Activities



In 2023, SIWI SCI & TECH made efforts to enrich the amateur cultural activities for its employees, actively organized various cultural and sports activities such as walking, badminton, table tennis, photography competition, flower arrangement experiences, online yoga, and kite flying, aiming to enhance communication and interchange among employees, improve the physical quality and cultural literacy of employees, and enhance teamwork capabilities and organizational cohesion.



Brisk Walking



Friendly Competition for Badminton

Staff leisure area



In 2023, the Company established an exclusive leisure area for its employees to relax their body and mind after busy work, which can relieve work pressure, strengthen communication, and improve work efficiency.



Staff Leisure Area

Social Contributions

Build a Strong “Community + Enterprise” Chain

We collaborated with the community (High-tech Zone's Cooperation Subdistrict Office, Fangcao Subdistrict Office) to achieve the governance goals of co-construction and co-governance. We communicated and cooperated with the community, and used the strength of the community to carry out training seminars, hidden danger inspections, and promoted the construction of a safe and harmonious industrial park. We conducted compliance management for single dormitories, cleaned up waste and debris, improved the living environment, eliminated safety risks, and protected residents' safety interests. We actively responded to the special safety meeting organized by the community on Pukang Hospital, detailed and clarified risk items, supervised the implementation of rectifications, and performed our safety management responsibilities.



Joint Special Security Meeting



Collaborative Community Governance



Carry out various education and training activities

Promote rural revitalization

SIWI SCI & TECH proactively took part in the central enterprise's consumption and agricultural support projects. Through the central enterprise's consumption and agricultural e-commerce platform to increase farmers' income, promoted rural economic development, and played the Company's positive role in assisting rural revitalization, fulfilling social responsibilities and promoting harmonious and sustainable development of society.

Participate in Volunteer Services

SIWI SCI & TECH actively participated in volunteer services and used actions to fulfill its social responsibilities.

In 2023, the Company strongly supported the volunteer service activities of the 31st Summer Universiade in Chengdu, and actively organized young employees to participate in the Universiade City Volunteer Service "Partnership Program" volunteer service team. Those volunteer employees introduced the Universiade events to citizens and tourists all the day, provided transportation guidance to the stadium, the online websites and offline locations and procedures for purchasing tickets and other voluntary services, and made contributions to the successful hosting of the Universiade.



The Scene of Volunteer Service

Appendix

Description of Report Preparation

Report Description

This is the eighth Environmental, Social and Governance (ESG) report (the "Report") published by Chengdu SIWI Science and Technology Company Limited to disclose and demonstrate the ESG performance and responsiveness to major issues of concern to stakeholders. This report has been reviewed by the Board of Directors of SIWI SCI & TECH and we are accountable for the authenticity and validity of the information contained herein.

Reporting Period

Unless otherwise stated, this Report covers the period from 1 January 2023 to 31 December 2023.

Scope

This Report covers Chengdu SIWI Science and Technology Company Limited and its subsidiaries and branches, which is in line with the scope of the consolidated financial statements.

Information Source

All information and data contained in this Report are obtained from official and public documents disclosed by the Company. If there is any discrepancy between the financial data quoted in this Report and that of the annual report, please refer to the annual report. The financial figures in this Report are denominated in Renminbi ("RMB"), unless otherwise stated.

Basis for Preparation

This report is prepared in accordance with the Guidelines to the State-owned Enterprises Directly under the Central Government on Fulfilling Corporate Social Responsibilities issued by the State - owned Assets Super vision and Administration Commission of the State Council of the People's Republic of China ("SASAC"), and with reference to the Environmental, Social and Governance Reporting Guide of Hong Kong Exchanges and Clearing Limited ("HKEx"), the Guidance on Social Responsibility (ISO 26000) of the International Organization for Standardization (ISO).

Reference Description

"SIWI SCI & TECH", the "Company", "our" and "we" will be adopted instead for the expression of Chengdu SIWI Science and Technology Company Limited (formerly known as Chengdu PUTIAN Telecommunications Cable Company Limited)

China Electronics Technology Group Corporation Limited will be referred to as "China Electronics Technology".

China PUTIAN Corporation Limited will be referred to as "China PUTIAN".

The 29th Research Institute of China Electronics Technology Group Corporation will be referred to as the "29th Research Institute".

Chengdu SEI Optical Fiber Co., Ltd. will be referred to as "SEI".

Availability

This report is available in Chinese and English versions, which are in electronic format and can be downloaded on the following websites:

Website of Hong Kong Stock Exchange
<https://www.hkex.com.hk>

Website of Chengdu SIWI Science and Technology Company Limited at
<http://www.cdc.com.cn>

Principles for Preparation

This Report has been prepared based on four principles: Materiality, Quantification, Balance and Consistency.

Principle of Materiality: Issues of concern to relevant stakeholders

on ESG matters have been identified in the preparation of this

Report and disclosed accordingly in this Report based on the

reporting principle of Materiality.

Principle of Quantification: The data included in this Report is measurable, and targets to reduce a particular impact can be set.

Principle of Balance: This Report follows the principle of balance and presents an objective view of the ESG performance and status of the Company.

Principle of Consistency: This Report has been prepared in the same way as in previous years.

Reporting Indicator Index

HKEX ESG Reporting Guide

HKEX ESG Reporting Guide Index			
Subject Areas, Aspects, General Disclosures and KPIs		Disclosure Index	
A. Environment			
Aspect A1: Emission	General Disclosures Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	P21-22,P25, P27,P29	
	KPI A1.1	The types of emissions and respective emissions data.	P27-29,P32
	KPI A1.2	Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	P32
	KPI A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	P29
	KPI A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	P29
	KPI A1.5	Description of emission target(s) set and steps taken to achieve them.	P20,P27-28
	KPI A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	P27-29
Aspect A2: Use of Resources	General Disclosures Policies on efficient use of resources including energy, water, and other raw materials.	P21-23, P25-26	
	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).	P23
	KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	P25
	KPI A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	P23-24
	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.	P25
	KPI A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	P26
Aspect A3: The Environment and Natural Resources	General Disclosures Policies on minimizing the issuer's significant impacts on the environment and natural resources.	P22,P25	
	KPI A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	P21-22

A. Environment

HKEX ESG Reporting Guide Index		
Subject Areas, Aspects, General Disclosures and KPIs		Disclosure Index
Aspect A4 Climate Change	General Disclosures Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer.	P30
	KPI A4.1 Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them.	P31-32
B. Society		
Employment and Labor Practices		
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.	P42,P44-45
	KPI B1.1 Total workforce by gender, employment type (for example, full- or part-time), age group and geographical region.	P43
	B1.2 KPI B1.2 Employee turnover rate by gender, age group and geographical region.	P43
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.	P45-50
	KPI B2.1 Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	P50
	KPI B2.2 Lost days due to work injury.	P50
	KPI B2.3 Description of occupational health and safety measures adopted, and how they are implemented and monitored.	P48-50
Aspect B3: Development and Training	General Disclosure Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.	P44-45
	KPI B3.1 The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	P44
	KPI B3.2 The average training hours completed per employee by gender and employee category.	P44
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.	P42
	KPI B4.1 Description of measures to review employment practices to avoid child and forced labour.	P42
	KPI B4.2 Description of steps taken to eliminate such practices when discovered.	P42

HKEX ESG Reporting Guide Index			
Subject Areas, Aspects, General Disclosures and KPIs		Disclosure Index	
Operating Practices			
Aspect B5: Supply Chain Management	General Disclosure Policies on managing environmental and social risks of the supply chain.		P37
	KPI B5.1	Number of suppliers by geographical region.	P37
	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.	P37
	KPI B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	P37
	KPI B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	P37
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.		P34–36
	KPI B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	P39
	KPI B6.2	Number of products and service related complaints received and how they are dealt with.	P41
	KPI B6.3	Description of practices relating to observing and protecting intellectual property rights.	P38
	KPI B6.4	Description of quality assurance process and recall procedures.	P35–36 P40–41
	KPI B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	P39
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.		P16
	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.	P16
	KPI B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	P14–16
	KPI B7.3	Description of anti-corruption training provided to directors and staff.	P16
Community			
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.		P53–54
	KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	P53–54
	KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	P53–54

Reader Feedback Form

Dear Sir/Madam,

Thank you very much for reading the 2023 ESG Report released by Chengdu SIWI Science and Technology Company Limited. In order to give full play to the communication function of this Report and effectively improve the level of environmental, social and governance of SIWI SCI & TECH for the realization of mutual benefits between the Company and society, we sincerely look forward to your comments and suggestions.

1.What's your general comment on this Report?

2.What do you think about SIWI SCI & TECH in terms of stakeholder communication?

3.What do you think about SIWI SCI & TECH in terms of corporate governance?

4.What do you think about SIWI SCI & TECH in terms of product responsibilities?

5.What do you think about SIWI SCI & TECH in terms of environment, safety and occupational health?

6.What do you think about SIWI SCI & TECH in terms of responsibilities to employees?

7.What do you think about SIWI SCI & TECH in terms of ESG?

8.Do you think the content arrangement and layout design of this Report is easy to read?

9.What are your comments and suggestions on ESG of SIWI SCI & TECH and this report?



Please scan the QR code to provide feedback online.



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