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2023

ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) REPORT

2023 Environmental, Social and
Governance Report



(A Share Stock Code: 600876)
(H Share Stock Code: 1108)

Triumph New Energy Company Limited

About this Report

As the eighth Environmental, Social and Governance (ESG) Report issued by Triumph New Energy Company Limited (“TRIUMPH NEW ENERGY”, the “Company”), this report is prepared in an objective, standardized, transparent and comprehensive manner to fully disclose the Company’s specific measures, major practices, highlight cases and key performances in proactively assuming social responsibilities and facilitating sustainable development in 2023, with a view to responding to the intended expectations of stakeholders and fulfilling its social responsibilities more efficiently.

Reporting Period

This report covers the period from January 1 to December 31, 2023. In order to enhance the comparative and forward-looking nature of this report, some contents appropriately date back to previous years or have forward-looking descriptions.

Reporting Scope

The entities of this report are Triumph New Energy Co., Ltd., including its wholly-owned and holding subsidiaries. Unless otherwise indicated, the reporting scope is consistent to that of the Company’s annual report.

References

This report is prepared in accordance with the Environmental, Social and Governance Reporting Guide (《環境、社會及管治報告指引》) by Hong Kong Exchanges and Clearing Limited (HKEX) and the Guidelines of the Application of Self-Regulation Rules for the Listed Companies on the SSE STAR Market No. 1 – Regulated Operation (《上海證券交易所上市公司自律監管指引第1號——規範運作》) by Shanghai Stock Exchange (SSE), with references to the Reference of ESG Indicators System for ESG Reports of Listed Companies Controlled by Central Enterprises (《央企控股上市公司ESG專項報告參考指標體系》) issued by the State-owned Assets Supervision and Administration Commission of the State Council and the GRI Standards (《可持續發展報告標準》) released by Global Sustainability Standards Board (GSSB).

Reporting Principles

「Materiality」 principle:

During the preparation of this report, major stakeholders and their ESG topics of concern have been identified, and targeted disclosures have been made in this report according to the relative importance of their concerns.

「Quantitative」 principle:

This report discloses key performance indicators at the environmental and social levels by means of quantitative information, and makes statistics and calculations according to national regulations or industry standards. The measurement criteria, methodologies, assumptions and practical conversion factors for the key performance indicators herein are described in the appropriate places in the report. Unless otherwise indicated, all monetary amounts are listed in RMB for this report.

「Consistency」 principle:

Unless otherwise indicated, this report applies the same statistical methodology as the Company’s 2022 Environmental, Social and Governance Report .

Data Source & Assurance of Reliability

All information data referenced in this report is based on the in-house documentation or relevant public data of Triumph New Energy. Triumph New Energy warrants that this report contains no inaccurate records, misleading statements or major omissions.

Names and Abbreviations

Triumph New Energy, this Company, Company, We	Refer to	Triumph New Energy Co. Ltd.
Hefei New Energy	Refer to	CNBM (Hefei) New Energy Co., Ltd.
Tongcheng New Energy	Refer to	CNBM (Tongcheng) New Energy Materials Co., Ltd.
Yixing New Energy	Refer to	CNBM (Yixing) New Energy Resources Co., Ltd. Luoyang New Energy
Luoyang New Energy	Refer to	CNBM (Luoyang) New Energy Co., Ltd.
North Glass	Refer to	Qinhuangdao North Glass Co., Ltd.
Zigong New Energy	Refer to	Triumph (Zigong) New Energy Co., Ltd.
Zhangzhou New Energy	Refer to	Triumph (Zhangzhou) New Energy Co., Ltd.
Bengbu CNBM Information Display Materials	Refer to	Bengbu CNBM Information Display Materials Co., Ltd.
Longmen Glass	Refer to	CLFG Luoyang Longmen Glass Co., Ltd.
Longhai	Refer to	CLFG Luoyang Longhai Electronic Glass Co., Ltd.
Puyang Photoelectric Materials	Refer to	CNBM (Puyang) Photoelectric Materials Co., Ltd.

Access to the Report

The Chinese, traditional Chinese and English versions of this report are available for browsing or downloading at the websites of Triumph New Energy (<https://www.zhglb.com/>), HKEX and SSE.

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Message from Chairman

In April 1994, embarking on a new era adorned with the glory of being the birthplace of China's "Luoyang Float Glass Process", Luoyang Glass set sail. For twenty-nine years, it has weathered the wind and rain, and for twenty-nine years, its journey has been as melodious as a song. The developmental journey of "Luoyang Glass" embodies the burning passion, diligent efforts, and innovative intelligence of both the Luoyang Glass team and the new generation of Triumph New Energy. The Company upholds the core philosophy of "efficient resource utilization and serving construction", and adheres to the corporate qualities of "integrity and excellence, distinctiveness, decisiveness and pragmatism, and continuous innovation". Generations have pursued progress with a spirit of selfless dedication, passing down the torch of innovation from ordinary float glass to high-quality float glass, from high-quality float glass to electronic glass, and from electronic glass to new energy glass, continuously challenging themselves and innovating technologically.

On February 16, 2023, the Company changed its name from Luoyang Glass Company Limited to Triumph New Energy Company Limited. In line with the "3+1" strategic layout for new glass materials by China National Building Material Group (CNBM) and Triumph Science & Technology Group, Triumph New Energy follows the mindset of "dedication to excellence and benefiting humanity", accelerating the integration and development of its new energy business. The Company promotes green manufacturing, the spread of green products, and the application of green technologies, striving to become a leader in the integration of the new energy materials industry, an innovator in industrial upgrading, and a practitioner in achieving carbon peak and carbon neutrality. Triumph New Energy has become a high-tech enterprise focusing on the R&D and production of new energy materials, adapted to the development of strategic emerging industries, entering a new phase of high-quality development.

2023 marks the inaugural year of fully carrying forward the spirit of the Twentieth Party Congress. Guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, Triumph New Energy is committed to creating a leading enterprise that the Party can trust, employees can thrive in, shareholders can be satisfied with, and society can respect. This "four-in-one" approach aims to build an industry-leading new energy materials technology group.

Throughout the year, we have continuously integrated the leadership of the Party into our corporate governance, further clarifying the rights, responsibilities, and working methods of the Company's Party committee in decision-making, execution, and supervision. We have actively responded to General Secretary Xi Jinping's significant declarations on carbon peak goals and carbon neutrality vision, steadfastly advancing green development. We have also consistently increased our investment in R&D, undertaking original and leading technological research to comprehensively push forward digital transformation and upgrade, striving for high-quality development.

Looking ahead to 2024, Triumph New Energy will deeply implement the reform of state-owned enterprises, further perfect the modern corporate governance of state-owned enterprises with Chinese characteristics, focus on enhancing our capacity for innovation and value creation, and support the journey of Chinese-style modernization with the high-quality development of the Company!

Board Statement

The Board of Directors of the Company has reviewed, confirmed, and approved this report. The content of this report covers specific policies and performances related to ESG efforts of the Company.

The Strategic Committee under the Board is responsible for assessing and managing ESG-related risks and opportunities, and for developing the Company's ESG strategic planning, management structure, systems, strategies, and implementation details. This ensures the continuous execution and implementation of the Company's ESG policies, and monitors ESG matters that may impact the Company's operations and stakeholder interests. Under the leadership and supervision of the Board's Strategic Committee, the Company's functional departments, business units, and subsidiaries each play their roles, working together to ensure compliance with the applicable ESG requirements and policies.

Going forward, the Board will promote the development of an ESG strategy that is highly integrated with business operations, further strengthening close communication with partners, suppliers, customers, and actively responding to stakeholders' concerns about the Company's ESG topics. Additionally, a collaborative working mechanism for implementing ESG from the top down within the company will be formed, fully embracing the ESG concept and effectively enhancing ESG management.

About Us

Company Profile

Triumph New Energy (Stock Code: 01108 (H shares), 600876 (A shares)) is a company whose A shares and H shares are listed in Shanghai and Hong Kong, respectively. The actual controller of the Company, China National Building Material Group Co., Ltd., is a central government enterprise directly managed by the State-owned Assets Supervision and Administration Commission of the State Council and is the world's largest comprehensive building material industry group.

The Company, incorporated in Luoyang, Henan Province, China on 6 April 1994, issued overseas listed foreign H shares which were listed on the Stock Exchange of Hong Kong 29 June 1994 and ordinary A shares denominated in RMB which were listed on the Shanghai Stock Exchange on 29 September 1995.

The Company has experienced the way of transformation, breakthrough and innovation from traditional sheet glass to ultra-thin electronic glass, and from ultra-thin electronic glass to solar photovoltaic glass. It has accumulated leading knowledge system and processing experience during the development process of nearly 30 years. The Company possesses a number of proprietary intellectual property rights and core technologies. It has successively won various accolades including "National Quality Award for Float Glass – Silver Award (國家浮法玻璃質量獎 – 銀質獎)", "Gold Invention Award (金質發明獎)", "National Consumer Trustworthy Product (全國消費者信得過產品)", "Well-known Trademark (馳名商標)" and "National Science & Technology Progress Award (first class) (國家科學技術進步一等獎)".

On February 16, 2023, the Company changed its name to Triumph New Energy Company Limited. It has focused on the field of new energy materials, assisting in serving the country's "dual carbon" goals and tasks, promoting high-quality development, improving quality and speeding up, and making every effort to build a competitive, innovative and influential new energy materials industry group.



1994.4.6
incorporated in Luoyang, Henan Province, China

1994.6.29
issued overseas listed foreign H shares which were listed on the Stock Exchange of Hong Kong

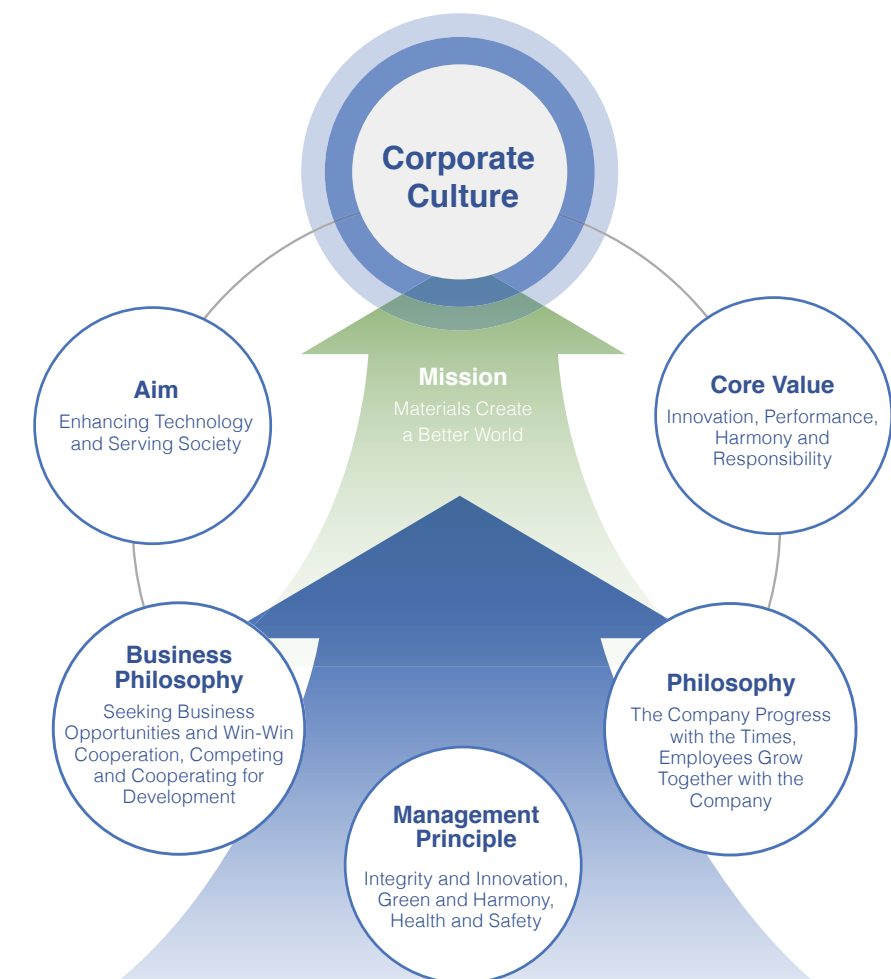
1995.9.29
Issued RMB ordinary A-shares and listed on the Shanghai Stock Exchange



Business Overview

The Company is primarily engaged in the R&D, production, and sales of new energy materials. Our main products include dual-glass modules, AR photovoltaic coating glass, and high-transmittance photovoltaic tempered glass, among other solar equipment photovoltaic cell encapsulation materials.


Leveraging the robust development of China's photovoltaic industry, the Company focuses on the development of its core business, actively promoting layout optimization and structural adjustment. It has established seven major intelligent photovoltaic glass production bases in the East China, Central China, North China, and Southwest regions, and manages three trusteeship enterprises. As of the end of 2023, the Company's operational production capacity for photovoltaic sheet glass reached 5270 metric tons per day. The Company operates 40 cover glass or back sheet glass production lines for deep processing, with an annual output of approximately 339 million square meters in 2023.



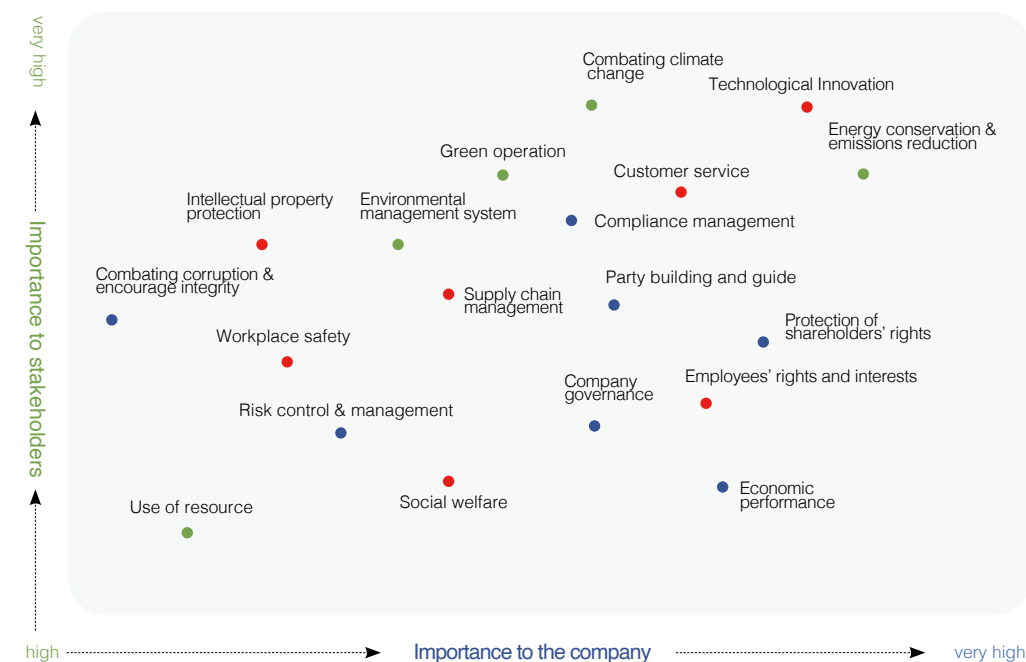
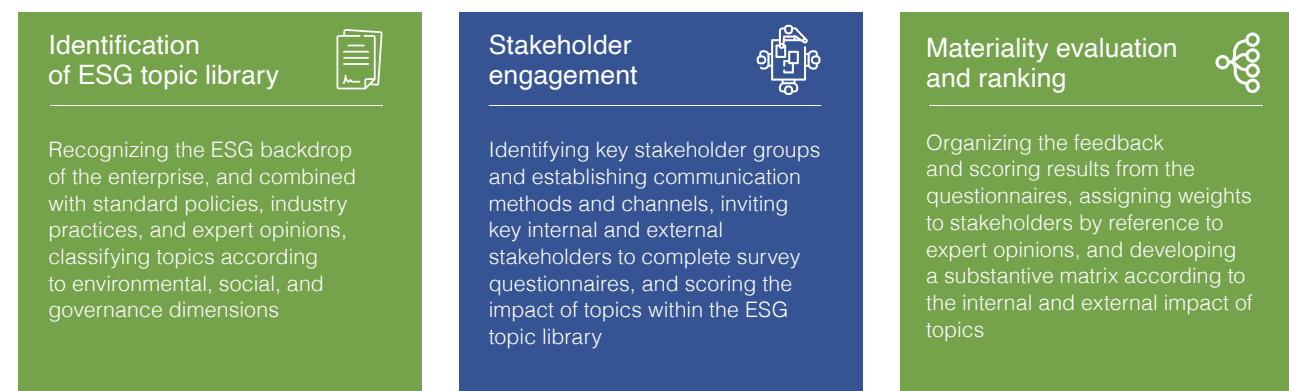
Analysis of Material Topics

By methodically combing ESG topics of concern to government and regulatory bodies, as well as industry ESG hotspots and trends, the Company has deeply understood the expectations and requirements of both internal and external stakeholders, analyzed related risks and potential development opportunities, and from the dimensions of "the importance to the sustainable development of the Company" and "the importance to stakeholders", identified and evaluated material topics. A total of 19 key ESG topics were identified.

total were identified
19 key ESG topics



Identification and analysis process of material topics



Interactions with Stakeholders

The Company stresses interactions with its stakeholders and has established a mechanism for regular interactions with the stakeholders to timely identify high-concern topics by the stakeholders and then provide efficient responses to them. In 2023, the communication between the Company and the interested parties is mainly as follows:

Type of Stakeholders	Communication Mechanisms	Topics Concerned
Shareholders or investors	Performance presentation General Meeting of Shareholders Research by investors Securities trader strategy meeting Communication on the Shanghai Stock Exchange's "SSE e-Interactive" platform Email	Return on capitals Social Responsibility Protection of shareholders' rights Openness and transparency of information Company governance Strategies and plans of the Company
Government and Regulators	Policy guideline On-site inspection by supervisory authorities Legal compliance of information disclosure Special meeting reports	Response to national strategies Legal compliance in business practices Paying taxes in accordance with the law Prevention and control of pollution
Customers	Customer service hotline Customer complaint platform Customer satisfaction survey Visits and communication	Fully honoring an agreement Ensuring good quality Providing satisfactory services
Employees	Workers' Congress Routine communication Cultural activities of the corporate	Reasonable remuneration and benefits Safe working environment Career development and training Employee Care
Suppliers	Supplier qualification review Supplier communication platform	Fair procurement in the supply chain
Community individuals/ organizations/ non-governmental organizations	Welfare activities Participation in the establishment of industry standards Business exchange and cooperation Media engagement and interviews	Contributing to the society Environmental Protection/industry Fair competition Mutual benefits Promoting industry progress

Responding to the
"Dual Carbon" Strategy

Strengthening
Environmental Management

Enhancing
Resource Utilization

Environmental Section: Co-building Green Ecology

Responding to the "Dual Carbon" Strategy

The Company actively responds to General Secretary Xi Jinping's significant declarations on carbon peak goals and carbon neutrality vision, enhancing the level of green and low-carbon development. It has taken the lead in promoting carbon emission reduction work within the industry, steadfastly advancing green development. The Company has established and perfected energy conservation and ecological environmental protection management systems, with all production enterprises having passed environmental management system certification. It organizes units to carry out carbon emission verification work, completing annual greenhouse gas (GHG) emission verification reports or self-inspection reports.

Carbon Emission Management

In accordance with the GHG Emission Accounting Methods and Reporting Guidelines for Industrial Enterprises (Trial) (《行業企業溫室氣體排放核算方法與報告指南(試行)》), the Company, through carbon inventory actions, clearly identifies its sources of GHG emissions, continuously optimizes energy use links to improve energy efficiency, and adopts energy-saving measures to reduce its GHG emissions.

The GHGs considered by the Company are primarily CO₂, with the main sources of GHG emissions from the Company and its units being the combustion of fossil fuels, purchased electricity, etc. The inventory scope includes direct GHG emissions (Scope 1) and indirect GHG emissions (Scope 2); carbon emission data accounting follows the GHG Emission Accounting Methods and Reporting Guidelines for Industrial Enterprises (Trial) (《行業企業溫室氣體排放核算方法與報告指南(試行)》).

Case

Zhangzhou New Energy actively engaging in carbon trading

Zhangzhou New Energy has reduced carbon emissions by enhancing the maintenance of vehicles within the plant, regulating the use of natural gas, energy-saving transformations of the air compressor system, and kiln energy-saving technologies. In 2023, a total surplus of 21,532 metric tons of carbon emission quotas was achieved.



In 2023, a total surplus of **21532** Tons carbon emission quotas

Triumph New Energy Tightly revolving around China National Building Materials Group

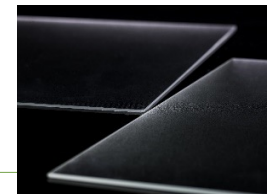
Kaisheng Technology Group Glass New Materials

“4335” guiding principle

“3+1” strategy

Green Product Development

Under the goals of "carbon peak and carbon neutrality", China's energy revolution is accelerating. Photovoltaics, as a green and renewable energy source, is entering a stage of large-scale, high-ratio, and high-quality leapfrog development. Triumph New Energy closely follows the "4335" guiding principles of CNBM and the "3+1" strategy for new glass materials by Triumph Science & Technology Group. It has accelerated the integration and development of new energy businesses, promoting green manufacturing, the spread of green products, and the application of green technologies. The production of lightweight and thin solar photovoltaic glass leads the world, making photovoltaic modules more accessible to the general public.

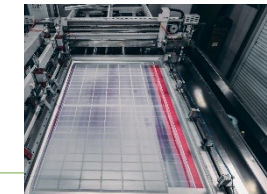


Maximizing the reduction of the glass surface's reflectivity while increasing the transmittance, thereby enhancing the conversion efficiency of the modules and improving the output power of photovoltaic modules. It also features excellent self-cleaning properties and weather resistance on the surface.

Ultra-clear embossed single-layer coated glass

Suitable for high-power modules, its light transmittance is increased by 0.2%-0.3% compared to single-layer coated glass. Particularly notable is the increase in light transmittance in the infrared spectrum, with an overall light transmittance reaching up to 94.3%. This can enhance the module's cell-to-module (CTM) value by 0.5%. The product possesses superior weather resistance and anti-attenuation properties.

Ultra-clear embossed double-layer coated glass



Using advanced automatic printing equipment ensures the stability of dimensions and product quality. The use of high-performance glazes ensures that the glaze layer has a high reflectivity, strong adhesion, good potential induced degradation (PID) resistance, and weather resistance, thereby enhancing the power generation capacity of the module's backside.

Ultra-clear embossed silkscreen back sheet glass

The power output of the module is marginally different from that of the ultra-clear embossed back sheet glass, with superior transparency and purity, surpassing that of standard float glass.

Ultra-clear float silkscreen back sheet glass



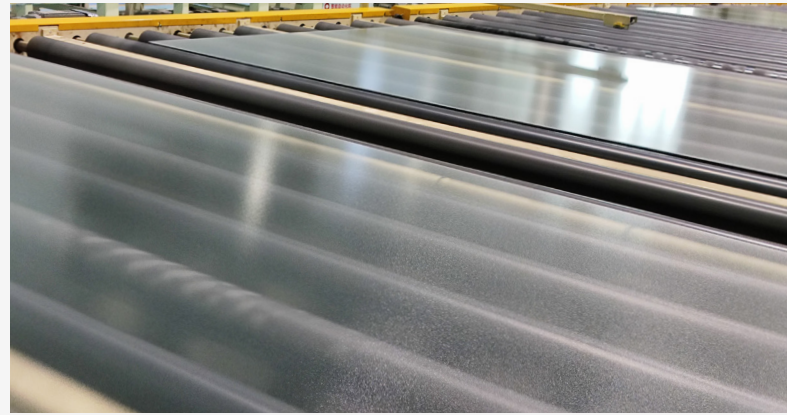
Reducing the reflective glare of photovoltaic module cover glass, minimizing light pollution and enhancing the consistency of the module's appearance color, leading to a notably improved aesthetic effect for the power station.

Anti-glare (AG) glass

Case

Tongcheng New Energy independently developing double-layer coated photovoltaic glass products

Tongcheng New Energy has successfully developed and launched a 2.0mm double-layer coated glass product.

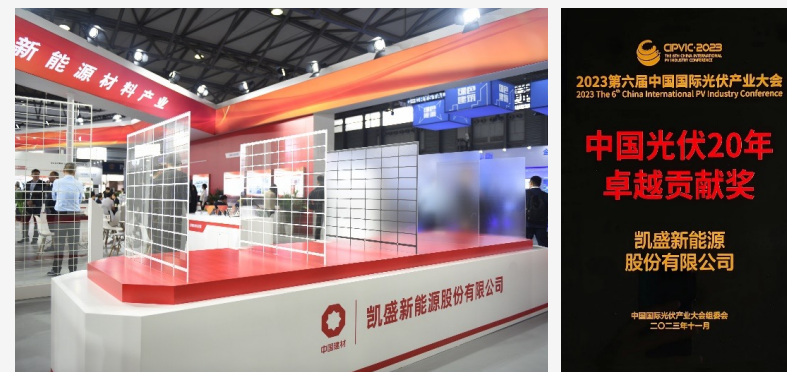


The **2.0mm** Double-layer coated photovoltaic glass product has been successfully taken offline

Triumph New Energy winning the "China Photovoltaic 20 Years · Outstanding Contribution Award"

In 2023, the Company participated in several exhibitions including the 32nd China International Glass Industrial Technical Exhibition, the SNEC 16th (2023) International Solar Photovoltaic and Smart Energy Conference & Exhibition, and the 6th China International PV Industry Conference.

Triumph New Energy was honored with the "China Photovoltaic 20 Years · Outstanding Contribution Award" at the China International PV Industry Conference and was successfully selected for the 2023 China PV Top 100 Brands list.



Green Production

The Company pays close attention to the environmental impact and dependencies in its production processes, establishing a comprehensive energy management system and continuously engaging in energy-saving and emission reduction activities. Each of its units has installed photovoltaic power stations on their rooftops and, by utilizing the high-temperature flue gas from kilns, has equipped waste heat power stations. This converts solar energy and recycled waste heat into electrical energy. The Company has launched key energy-saving and carbon reduction projects, such as digital management and green office initiatives, achieving efficient energy saving and consumption reduction.

Clean Energy

During production, the Company utilizes clean energy sources such as natural gas and electricity; it employs clean materials and ensures that the waste gas, waste water and industrial residue (three wastes) from the production process are disposed of in a harmless manner, and waste materials are recycled and reused. These measures reduce the concentration of pollutants and ensure compliance with emission standards.



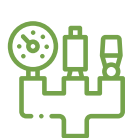
Solar photovoltaic power stations

Tongcheng New Energy, Hefei New Energy, Zigong New Energy, Yixing New Energy, and Zhangzhou New Energy have constructed photovoltaic power stations on their premises, utilizing solar energy for electricity generation.



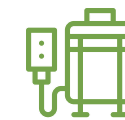
Waste heat boilers

Hefei New Energy, Tongcheng New Energy, Zigong New Energy, and North Glass have each built a waste heat boiler, using high-temperature flue gas for waste heat power generation.



Kiln renovation

By adopting oxygen enriched or oxy-fuel combustion technologies, combined with the pre-melting and pre-heating of materials, complete kiln insulation and sealing, optimizing production line process control, phasing out energy-intensive mechanical and electrical equipment, and improving the automation level of melting furnaces.



Digital systems

The Company employs highly automated and intelligent production equipment to reduce energy consumption and raw material waste during the production process, and implements energy-saving measures such as smart management construction.



Green Office

The Company makes rational use of natural ventilation, natural lighting, winter sunlight, and building orientation to effectively reduce the energy consumption for heating and air conditioning; it eliminates the phenomena of lights left on unnecessarily and water left running, ensuring lights are turned off when people leave and water stops when not in use; conducts regular inspections and maintenance of water pipes and faucets to prevent leakage; recommends the use of paperless office practices, sets up electronic registers and records, and reduces energy consumption among other measures.



Case

Zhangzhou New Energy honored with Fujian Province "Green Factory" title

Since its implementation of the green factory system in 2020, Zhangzhou New Energy has consistently adhered to the EHS philosophy of "green and harmony, health and safety, people-oriented, and sustainable development". The company has focused on building a green circular economy industry chain, continuously improving the effective use of resources and energy, reducing energy consumption, enhancing the comprehensive utilization rate of energy, and further refining an efficient, clean, low-carbon, and recyclable green intelligent manufacturing system, thereby accelerating its progress in the race towards quality improvement and efficiency enhancement.

The Fujian Provincial Department of Industry and Information Technology announced the list of provincial-level green manufacturing enterprises for 2023. Triumph (Zhangzhou) New Energy Co., Ltd., with its outstanding performance and achievements in the field of green development, was honored with the Fujian Province "Green Factory" title.



Hefei New Energy's CO₂ capture and purification green emission reduction demonstration project for glass melting furnaces

Hefei New Energy has established the industry's first demonstration project for CO₂ capture and purification green emission reduction for glass melting furnaces. After the project was put into operation, it can produce 50,000 metric tons of liquid carbon dioxide annually, with product quality reaching the national food-grade standard.



Risks Associated with Climate Change

The Company takes positive actions to improve its resilience to climate change. It identifies and evaluates the impacts of climate-related risks from the perspectives of physical risks (including contingency and chronic risks) and transition risks (including policies and laws, technology, market and reputation risks), and formulates climate risk response measures.

Risk Type	Risk Description	Risk Impact	Duration of Impact	Response
Physical Risks	Increase of extreme weather conditions, such as high temperature and severe cold	Potential safety hazards in the working environment of employees	Long-term	Taking more measures to guarantee the safety of employees
Transition Risks- Policies and Laws	Rise in carbon price	The production cost has gone up due to the increase in carbon fees levied by the government	Medium-term	Adopting new technologies to reduce CO ₂ emissions, improve the use efficiency of CO ₂ and lower the cost
	Higher requirements for supervising CO ₂ emissions	CO ₂ emissions exceed the standard, affecting production and business activities	Medium-term	Improving the efficient use of energy, expanding the utilization of renewable energy, and reducing CO ₂ emissions caused by energy use Making use of materials with low environmental load to reduce CO ₂ emissions produced by logistic units
Transition Risks- Reputation	Damage to the reputation of the Company due to operations	Subordinate production enterprises are all heavily polluting enterprises, and if environmental violations are found, it may cause reputation risks of the Company	Medium-term	Establishing perfect management systems, adopting advanced protective equipment and facilities, and strengthening the inspection and maintenance of these facilities

Green Promotion

The Company leverages activities such as "Energy Conservation and Emission Reduction Publicity Week", "National Ecology Day", and "National Low Carbon Day" to earnestly organize employees to watch energy-saving and carbon reduction themed exhibitions and the 2023 "National Low Carbon Day" theme promotional film through LED screen scrolling broadcasts, creating publicity columns, and hanging banners. It conducts popular science education on energy-saving and carbon reduction knowledge and policy interpretation, promotes the concept of green and low-carbon development, learns from excellent experiences and achievements in energy-saving and carbon reduction, and enhances employees' awareness of energy saving and carbon reduction.



In response to the environmental protection policies issued by the nation and issues identified during the actual implementation process, the Company has developed and perfected its environmental protection management system. The Company has revised the Environmental Protection Committee (《環境保護委員會》) and the Ecological Environmental Protection Responsibility System (《生態環境保護責任制度》), established the Ecological Environmental Protection Responsibility Target Assessment Management System (《生態環境保護責任目標考核管理制度》), the Pollution Prevention and Control Facilities Operation Management System (《污染防治設施運行管理制度》), and other regulations, advancing the implementation of ecological protection and safety and environmental protection work across its units.

Strengthening Environmental Management

The Company earnestly implemented the national, provincial and municipal environmental protection policies and regulations. Under the guidance of green development and the premise of ensuring the fulfillment of the various emission standards in a stable manner, the Company follows through the new enterprise growth path featuring low energy consumption, high efficiency, recycling and less emissions. The Company aims to promote its environmental protection capacity and achieve the Company's sustainable development through strict management, continuous improvement, and management innovation.

In 2023, there were no violations or irregularities in the ecological environment field, no administrative penalties for ecological and environmental protection, and no major or above environmental pollution incidents occurred, with 100% of pollutants meeting the discharge standards.

Environmental Management System

The Company has established a dynamic environmental protection management system centered on risk control, with the participation of all employees and process control. Through inspections and assessments, it gradually establishes a long-term environmental protection mechanism of self-restraint, self-improvement, and continuous enhancement. Adhering to the scientific outlook on development as a guide, the Company continuously explores and innovates, takes strong measures, implements comprehensive management, operates scientifically, and takes steps to ensure the Company's environmental protection compliance and legality, truly achieving up-to-standard emissions. All six of the Company's operating enterprises have passed the environmental management system certification.



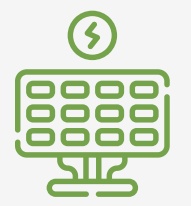
The Company's Environmental Protection Committee and the Ecological Environmental Protection Supervision Leading Group are responsible for performing the Company's environmental protection management duties, organizing the formulation of the Company's environmental protection development strategies, rules and regulations and work plans, and supervising, inspecting and evaluating the Company's environmental protection work. At the same time, Environmental Protection Management System (《環境保護管理制度》), Environmental Protection Responsibility System (《環境保護責任制》), Environmental Protection Management Implementation Rules (《環境保護管理實施細則》), and other related rules and systems were prepared and published.

Case

Zhangzhou New Energy's collaborative environmental governance system

During the preparation phase of the environmental impact report for Triumph New Energy's annual production project of 56 million square meters of photovoltaic cell encapsulation materials, the company undertook public participation efforts. The environmental impact report fully incorporated reasonable suggestions related to environmental impacts proposed by the public. For suggestions that were not adopted, explanations were provided as required, and a public participation statement was prepared according to the requirements.

Kaisheng New Energy
Annual Production
56million Packaging Materials for Photovoltaic Cells Project



Emergency Response Plan for Sudden Environmental Incidents

The Company has strengthened the construction of its emergency management system to enhance its emergency rescue and accident handling capabilities. The Company has revised and improved the Measures for the Administration of Emergency Response Plan for Sudden Environmental Incidents (《突發環境事件應急預案管理辦法》) and the Measures for the Administration of Sudden Environmental Incident Reporting (《突發環境事件報告管理辦法》), and has supervised and guided all its units to revise and perfect their Emergency Response Plans for Sudden Environmental Incidents (《突發環境事件應急預案》) and to file them in a timely manner. According to the annual emergency drill plan, emergency drills were conducted promptly, and evaluations were completed after the drills. The Company operates through a clear integration of vertical and horizontal lines. Vertically, it combines inspections from higher authorities with internal inspections, and horizontally, it implements holiday inspections, special inspections, and seasonal inspections thoroughly. This approach ensures a comprehensive and systematic examination from all aspects. Any discovered hidden dangers are immediately reported to the relevant departments and promptly rectified.

Treatment of Three Wastes

Wastewater



The Company's units adhere to the Class 3 standards under the Integrated Wastewater Discharge Standard (《污水綜合排放標準》) (GB 8978-1996), strictly comply with the Law of the People's Republic of China on the Prevention and Control of Water Pollution (《中華人民共和國水污染防治法》) and the Self-monitoring Technology Guidelines for Pollution Sources-General Rule (《排污單位自行監測技術指南總則》) among other relevant water laws and regulations, continuously optimizing and improving the wastewater treatment system, thereby enhancing the efficiency of wastewater treatment facilities. In addition to conducting timely in-house water quality tests, the Company regularly entrusts qualified third-party monitoring organizations to monitor wastewater.

In 2023, there were no incidents of wastewater discharge exceeding the standards within the Company.

Gas emissions

The Company's units implement the Emission Standard of Air Pollutants for Glass Industry (《玻璃工業大氣污染物排放標準》) (GB26453-2022) and local government's Action Plan for the Prevention and Control of Atmospheric Pollution (《大氣污染防治實施方案》). Strictly adhering to the Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution (《中華人民共和國大氣污染防治法》) as well as national and local standards for gas emissions, the Company treats its emissions to meet standards before discharge and regularly monitors its emissions to ensure compliance with relevant standards.

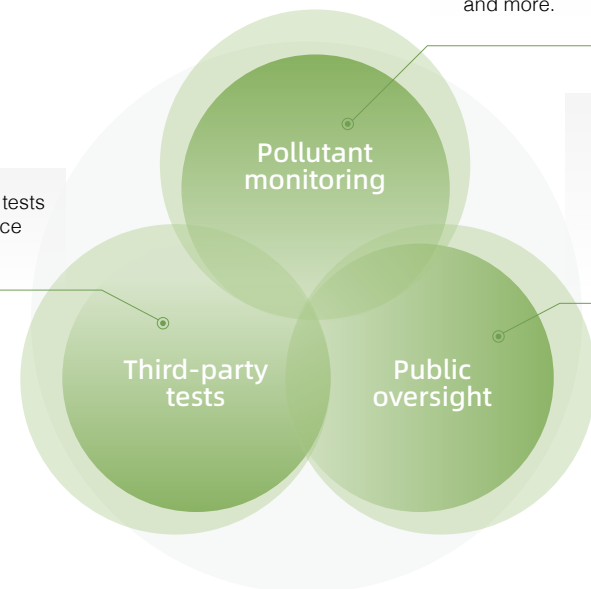
In 2023, there were no incidents of emissions exceeding the standards within the Company.



Utilizing advanced domestic flue gas treatment facilities, and installing online monitoring equipment for pollution sources to monitor emissions in real time, with monitored data including flue gas flow rate, temperature, pressure, SO₂, NO_x, particulate matter, and more.

Installing LED electronic display screens in prominent locations to disclose real-time atmospheric pollutant emission status, and publishing pollutant emission information on its official website.

Regularly conducting third-party tests on emissions to ensure compliance with discharge standards.



Solid wastes

In accordance with the Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste (《中華人民共和國固體廢物污染防治法》), the Company complies with national laws and regulations, taking into account its actual situation, and follows the requirements of the Technical Guidelines for Solid Waste Treatment and Disposal Engineering (《固體廢物處理處置工程技術導則》) for the legal and compliant disposal of solid waste by qualified third parties.



General industrial solid wastes produced in subsidiary companies include cullet, which can be melt down to reuse; the dust collected by bag filters, which can be reused as raw materials; the dust collected in furnace exhaust, which can be sold to external building material companies for comprehensive utilization; the waste ion exchange resin, which can be recycled by factories; and the sludge, which, after drying, can be sold to external building material companies for comprehensive utilization.

The hazardous waste generated by the Company's various units mainly includes waste ceramic filter tubes, waste packaging drums, waste catalysts, waste engine oil, etc., which are collected and periodically entrusted to qualified hazardous waste disposal units for disposal.

Enhancing Resource Utilization

The Company strictly adheres to national laws and regulations such as the Energy Conservation Law of the People's Republic of China (《中華人民共和國節約能源法》), formulating the Measures for the Supervision of Energy Conservation and Ecological Environmental Protection (《能源節約與生態環境保護監督管理辦法》) and the Measures for the Assessment of Energy Conservation and Ecological Environmental Protection (《能源節約與生態環境保護考核管理辦法》). A scientific and effective evaluation mechanism has been established to enhance the level of energy conservation and ecological environmental protection work.

Energy

In its energy management, the Company integrates advanced management concepts such as indicators, performance, and cost management. It effectively combines people, machines, materials, methods, and environment through production logs, ledgers, and reports. Through DCS and PLC production line data collection, it compiles and analyzes data from the entire production management process, providing real-time feedback on the production order's output, completion rate, and team performance. This approach significantly enhances the digitalization and intelligence level of glass production, improving the overall management and control level of the enterprise and achieving energy conservation and carbon reduction effects.

The Company's primary energy consumptions are electricity and natural gas, with water being the energy medium. Natural gas is sourced from gas companies, while electricity primarily comes from the power system, the Company's photovoltaic power generation system, and the waste heat power supply system.



Six ongoing enterprises under the company

5 companies passed the energy management system certification.

Water

The Company strictly adheres to national laws and regulations such as the Water Law of the People's Republic of China (《中華人民共和國水法》) and the Energy Conservation Law of the People's Republic of China (《中華人民共和國節約能源法》), and has developed Implementation Rules for Ecological and Environmental Protection Management (《生態環境保護管理實施細則》), among others. These rules require all production enterprises to verify the use of fresh water, to arrange and use water rationally, to improve the recycling rate of water and the reuse rate of wastewater, and to reduce the consumption of fresh water and the discharge of wastewater when producing or processing per metric ton of product.

Each unit of the Company employs a circulating water system, recycling equipment cooling water that has been used in combined workshops, which is uncontaminated and only has an increased water temperature, after cooling it for reuse. The water used for edge grinding and cleaning in the deep processing workshops is also recycled and reused after treatment.



The Company eliminates leakage, conserves energy, reduces costs, enhances benefits, and uses water safely and reasonably to ensure the supply for production and living needs of the factory.



The Company actively adopts new water-saving technologies and carries out energy-saving technological innovation activities. Collectives or individuals who make outstanding contributions are recognized and encouraged according to relevant regulations.

Materials and Packaging Materials

The main materials used by the Company include quartz sand, soda ash, dolomite, calcite, mirabilite, aluminum oxide, and composite clarifying agents, among others.

- All raw materials are qualified powder materials that are transported to the factory in vehicles meeting national standards. The raw materials are strictly covered during the transportation process, and the unloading of raw materials is completed inside the workshop, avoiding any exposure or dispersion.
- The raw material preparation system and the broken glass system both adopt mechanized, continuous, automated, and enclosed operation modes, with dust generation points being collected and treated before organized emission.

Case

Subsidiaries' reduction and recycling of packaging materials

Zhangzhou

In 2023, advocating for the strengthened recycling of iron pallets, achieving over 40,000 cycles of reuse. Among these, the use of paperless packaging accounted for more than 90%, saving over 10 million square meters of packing paper.

Zigong

By adapting to the geographical features of the Yunnan, Guizhou, and Sichuan regions, the company improved the transportation loss rate of iron pallets and promoted the use of iron pallets for packaging and transportation among customers in the Southwest region. At the beginning of the year, the proportion of iron pallet usage was less than 20%, but by the end of the year, the average usage rate of iron pallets approached 50%, with a peak monthly usage rate exceeding 70%.

Hefei

The use of iron pallets for packaging materials has led to their recycling, the conservation of paper, and an iron pallet utilization rate of over 80%.

Yixing

Continuously increasing the proportion of paperless packaging, implementing paperless packaging strategies, reducing the use of anti-mold paper, decreasing the size of honeycomb boards used for finished glass product packaging, and utilizing iron pallets for finished product packaging with recycling and reuse.

Safeguarding Rights
and Interests of Employees

Innovative and
Intelligent Development

Creating
Excellent Products

Building a Better
Society Together

Social Section: Shared Responsibility and Commitment

Safeguarding Rights and Interests of Employees

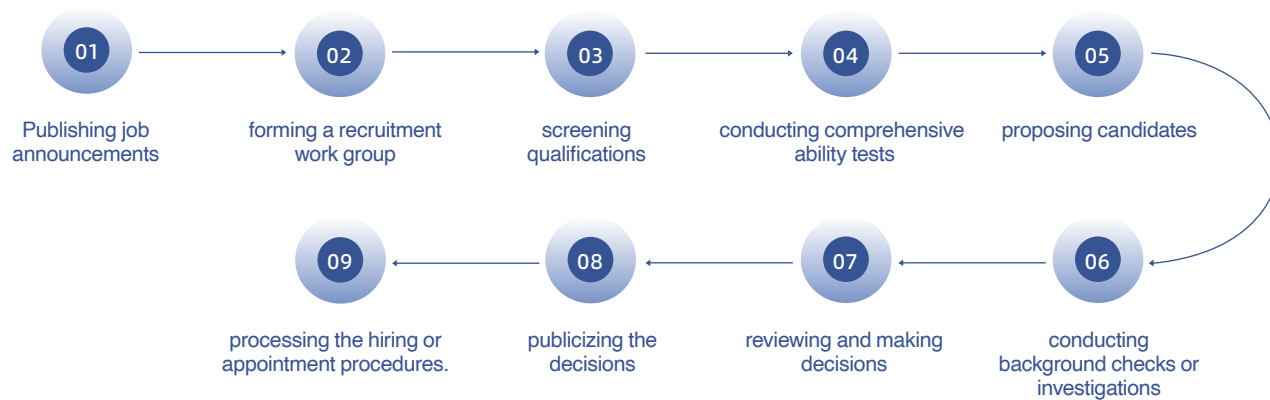
The Company strictly complies with the Labor Law of the People's Republic of China (《中華人民共和國勞動法》), the Labor Contract Law of the People's Republic of China (《中華人民共和國勞動合同法》) and other laws and regulations. The Company respects and preserves the internationally accepted human rights conventions and labor standards, resolutely eliminates forced labor, protests against discrimination of any kind and sternly prohibits and resists the use of child labor. It recruits new staff in an open, fair and just manner, enforces equal pay for equal work and respects the privacy of the staff.

In 2023, the Company did not encounter any incidents involving child labor or forced and compulsory labor.

Employee Recruitment

All employee recruitment was conducted openly, and the Company established the Measures for the Administration of Open Recruitment (《公開招聘管理辦法》). The Company has entered into labor contracts with the staff. All employees have signed a labor contract with the Company. In 2023, the Company diversified its recruitment approach by combining social recruitment, online recruitment, and campus recruitment instead of solely focusing on campus recruitment. This change aimed to achieve a diversified introduction of employees.

Recruitment procedure:



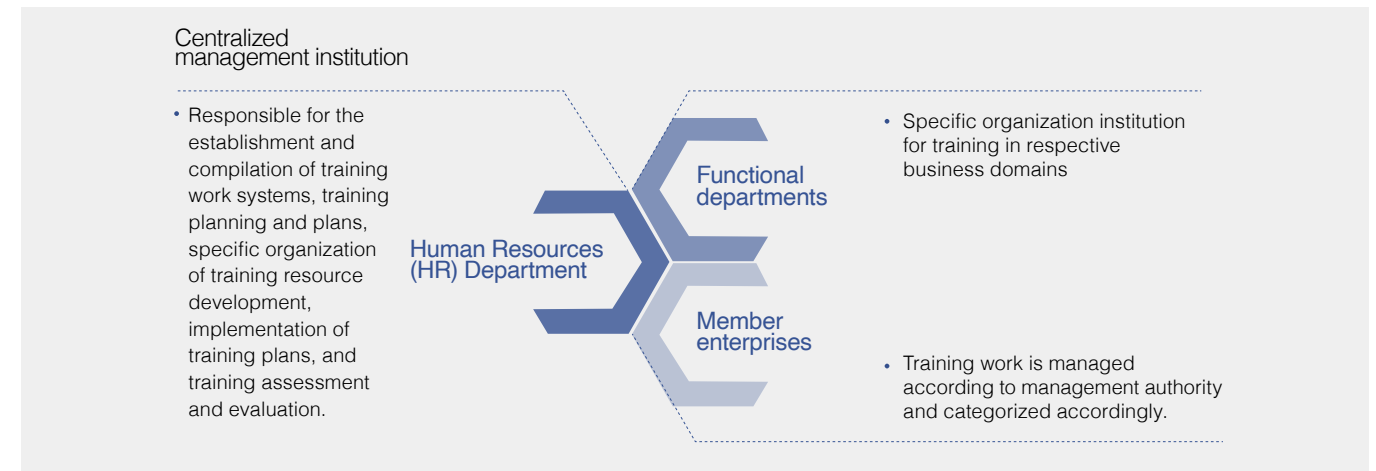
Remuneration Management

The Company adheres to the principles of distribution according to work and contribution, ensuring that those who work more receive more, those who contribute more gain more, and implementing a system of rewards for excellence and penalties for inferior performance. The Company's operators are on an annual salary system, while the staff are subject to a position performance wage system. The Company has established a set of management systems including the Measures for Administration of Total Wage (《工資總額管理辦法》), Compensation System Management Guidance (《薪酬體系管理指導意見》), Measures for Administration of Managers' Compensation (《經理層薪酬管理辦法》), Measures for Administration of Compensation of Member Enterprises' Heads (《成員企業負責人薪酬管理辦法》), as well as Measures for Comprehensive Assessment and Evaluation for the Management and Leaders of Subordinate Units (《所屬單位領導班子和領導人員綜合考核評價辦法》), Measures for Performance Assessment of the Management (《經理層成員業績考核辦法》), Measures for Annual Operating Performance Assessment of Subordinate Enterprises (《所屬企業年度經營業績考核辦法》), and Measures for Comprehensive Assessment and Evaluation of Employees (《員工綜合考核評價辦法》). Through compensation incentive systems and performance assessment systems, the Company motivates the enthusiasm of the management and employees, unleashes potential, and enhances performance levels.

The Company pays in full the social insurances concerning pension, medicare, unemployment, work-related injuries and maternity to ensure the staff's treatment of social insurances in line with relevant national, provincial and local provisions. It has adopted the paid annual leave system for the staff and provides overtime pay for the work beyond legal working hours according to relevant provisions including Regulations of Paid Annual Leave of Employees (《職工帶薪年休假條例》).

Employee Training

The Company has built a comprehensive training system and formulated the Measures for Administration of Training (《培訓管理辦法》), adhering to the principles of categorization, grading, and company-wide training, to provide continuous and reliable human resource support for the Company's development.



Career Development

The Company has established promotion channels for employees across three categories: management talent, professional technical talent, and skilled talent. Outstanding performers are recognized and rewarded with promotions, commendations, opportunities for external training, and material incentives. The Company actively assists employees in setting personal career plans, clarifying future career directions, offering theoretical and practical advice, and recommending various learning and advancement opportunities to balance human resource needs with employee career development.

The Company has developed the Measures for Implementation of Competitive Recruitment of the Management (《管理人員競聘上崗實施辦法》), outlining the selection process for deputy positions and above within the Company's functional departments. Additionally, the Measures to Encourage Leaders to Take Responsibility and Implement Error Tolerance and Correction (《激勵幹部擔當作為實施容錯糾錯的辦法》) were developed to encourage a spirit of responsibility, initiative, and entrepreneurship among leaders and employees. With the Measures for Administration of Reserve Leaders (《後備幹部管理辦法》), under equal conditions, middle management positions within the Company are generally filled by selecting candidates from the reserve leaders first.



Mentor-Mentee Pairing for Guidance and Support

Occupational Health and Safety of Employees

The Company abides by the Labor Law of the People's Republic of China (《中華人民共和國勞動法》) and the Law of the People's Republic of China on Prevention and Control of Occupational Diseases (《中華人民共和國職業病防治法》), preserving the staff's rights of occupational safety and health. It has arranged physical examination for all of its employees for free. Besides, the Company has exercised the special labor protection for female employees and recorded a full coverage of physical examination according to relevant stipulations including the Law of the People's Republic of China on the Protection of Rights and Interests of Women (《婦女權益保護法》). In line with the overall deployment of "Occupational Disease Prevention and Control", the Company has revised and improved the Measures for Supervision of Workplace Occupational Health (《作業場所職業健康監督管理辦法》) to ensure employee occupational health and safety.

The Company has established a comprehensive management system for the prevention, control, and elimination of occupational diseases. All six operating enterprises have passed the occupational health system certification, with no cases of occupational diseases reported in 2023.

The Company has taken multiple measures to vigorously promote educational activities, treating these activities as a crucial part of preventing, controlling, and eliminating occupational disease hazards and protecting workers' occupational health.

Democratic Management

In 2023, following the State-owned Assets Supervision and Administration Commission's Guidelines on Further Strengthening the Construction of the Employee Congress System in Central Government Enterprises (《關於進一步加強中央企業職工代表大會制度建設的指導意見》), the Triumph Science & Technology Group Co., Ltd. Employee Congress System (《凱盛科技集團有限公司職工代表大會制度》) and other relevant requirements, the Company convened the first session of the Sixth Employee Congress of Triumph New Energy. The grassroots units of the Company selected 103 representatives of Triumph New Energy employees through a bottom-up democratic recommendation, anonymous on-site voting, and a process of preliminary selection, qualification review, and competitive election.



Elect
103 places
Triumph New Energy
Employee representatives

Employee Care and Assistance

In the year 2023, the Company continued to ensure the protection of employees' rights and interests, focusing on various activities to warm people's hearts.

Employee benefits



Organizing a warmth-giving activity during the "Double Festival" period

A total of RMB 59,000 was secured from higher authorities for warmth-giving funds, aimed at supporting struggling model workers and employees.



Launching an annual travel pass activity for all union members in Luoyang

Processing Luoyang City tourism annual passes for all staff members in Luoyang, involving 696 individuals, totaling RMB 62,600.



Organizing a "Cake Delivery" activity for the birthdays of all employees

All union members in Luoyang are fully covered.



Organizing participation in Luoyang City's mutual aid and security work for employees with serious illnesses

Purchasing critical illness mutual insurance and medical mutual aid insurance for 745 employees.



Carrying out the "Cooler Summer" campaign

Covering all employees, the Company's leaders leading staff to distribute heatstroke prevention items such as beverages, towels, cooling oil sets, rock sugar, mung beans, and watermelons to the workers, and paying tribute to employees toiling at the forefront of production in high temperatures.



Organizing and conducting the "Golden Autumn Student Aid" event for 22 consecutive years

Rewarding and offering consolation to 24 employees' children who were admitted to universities, with a total consolation amount of RMB 33,500.

Case

Yixing New Energy organizing employee quality development activities



Zhangzhou New Energy distributing heatstroke prevention and cooling supplies to employees

Zigong New Energy carrying out cooler summer campaign



Innovative and Intelligent Development

For many years, the Company has been accelerating the transformation from old to new drivers of growth, continuously increasing investment in research and development, undertaking original and leading technological breakthroughs, and rapidly enhancing the quality of the Company, and driving the industry forward. It is comprehensively advancing digital transformation and upgrades, striving to achieve high-quality development.

Research and Innovation Management

The Company remains committed to a development path characterized by "differentiation, ultra-thinness, and large-scale products". It has established systems such as Technology Achievement Management Measures of Triumph New Energy Company Limited (《凱盛新能源股份有限公司科技成果管理辦法》), Scientific Research Project Management Measures of Triumph New Energy Company Limited (《凱盛新能源股份有限公司科研項目管理辦法》), and Patent Management Measures of Triumph New Energy Company Limited (《凱盛新能源股份有限公司專利管理辦法》). This approach has led to the continuous emergence of industry-leading new processes, new technologies, new products, and new achievements, enhancing the Company's core competitiveness.

Innovative R&D Accomplishments

Currently, the Company has the capability for mass production of new energy glass ranging from 1.4 to 6 mm, leading the industry with its ultra-thin photovoltaic glass production technology. It boasts three provincial-level R&D platforms and four high-tech enterprises. It holds 216 patents, including 30 invention patents and 186 utility model patents. The Company has participated in the drafting and revising of multiple national (industry) standards and specifications, with many of its scientific research outcomes and standards occupying leading positions in the industry's technological advancements.

Throughout 2023, the Company initiated 72 R&D projects, with a total investment of RMB 262 million in R&D funds. It successfully filed for 89 patents, including 48 invention patents, and was granted 74 patents, of which 32 were invention patents.



Innovation Honors of Subsidiary Companies

Yixing New Energy	Participation in the revision of the international standard "Revision to SEMI PV63-0215, Specification for Ultra-thin Glasses Used for Photovoltaic Modules"
	Thanks to innovative breakthroughs and a leadership position in the ultra-thin photovoltaic glass domain, the Company was successfully selected as one of the "Top 100 Innovative Building Material Enterprises in China 2022"
	The Yang Bomin Model Worker Innovation Studio was honored with the "National Mechanical, Metallurgical, and Building Materials Industry Exemplary Innovation Studio" award
Hefei New Energy	Development of high-performance screen printing mesh, high-reflectivity low-expansion coefficient glazed back sheet glass, and glass thickness gauges
	Successfully selected for the national fifth batch of specialized and sophisticated "Little Giant" enterprises that produce novel and unique products
Tongcheng New Energy	The ultra-thin double velvet glazed back sheet glass and high-transparency perforated sheet glass are both industry-first innovations
	Selected as an "Innovative Small and Medium-sized Enterprise" and a "Specialized and Sophisticated" small and medium-sized enterprise by Anhui Province for 2023
Zhangzhou New Energy	The new anti-glare, high-transparency, high conversion efficiency photovoltaic calendered glass products developed by the Company have passed the National Solar Photovoltaic Product Quality Supervision and Inspection Center test and customer application testing
North Glass	Lin Qianchang was honored as a "National Craftsman in the Machinery, Metallurgy, and Building Materials Industry"
North Glass	On November 14, 2023, the Company was recognized and publicized as a high-tech enterprise
Zigong New Energy	On December 12, 2023, the Company was recognized and publicized as a high-tech enterprise

Digital Transformation

The Company has strengthened its organizational leadership and planning guidance for digital transformation by establishing a digital work leadership group and a digital management center. It has issued the Network Information Security Management Measures. The plan is to leverage fiber optic and 5G networks to establish intelligent infrastructure, intelligent equipment data collection, a big data center, intelligent control, and to develop a full-process production line centralized control platform, an MES (manufacturing execution system) platform, a complete factory ERP (Enterprise Resource Planning) management information platform, a 3D digital twin platform, OA (Office Automation) collaborative office, etc. These initiatives aim to achieve the goals of smart manufacturing industry 4.0 for glass production, thereby enhancing the Company's competitiveness and influence in both the glass and new energy industries.

In 2023, The Company's investment in informatization and digitalization reached RMB 11.23 million. The digital transformation initiatives in 2023 included:

Upgrading the official website to IPv6

This upgrade enhances access speed and compatibility, providing technical support and assurance for digital transformation

Intelligent factory management platforms at each production base

Through overall design and digital modeling, and the application of integrated technology based on industrial site sensing data, the Company systematically integrates intelligent equipment across all aspects of the process flow, including process, technology, manufacturing, and testing. This integration has led to the establishment of an intelligent factory management platform that encompasses the workshop manufacturing execution system (MES), enterprise resource planning system (ERP), advanced planning and scheduling system (APS), and an intelligent dispatch center.

Digital Honors of Subsidiary Companies

Yixing New Energy

- ✓ The project "Integrated Platform for Photovoltaic Glass Manufacturing and Operational Control Based on the Internet of Things" was recognized as a typical case of IoT enabling industry development in 2023.

Hefei New Energy

- ✓ Digitalization spans across production lines, solidifying capabilities in automated and digitalized flexible production. The Company has successfully been acknowledged by the Ministry of Industry and Information Technology as a specialized and sophisticated "Little Giant" enterprise, and has been approved as a national-level intelligent manufacturing demonstration factory
- ✓ The "Photovoltaic Cell Glass Substrate Intelligent Manufacturing Demonstration Factory" project was selected by the Ministry of Industry and Information Technology as an intelligent manufacturing demonstration factory for the year 2023

Tongcheng New Energy

- ✓ The construction of the intelligent manufacturing system for the photovoltaic glass production line was completed in four stages. Following the model of "Real-time Data Layer + Production Execution Layer + Intelligent Manufacturing Layer + E-commerce Platform", the Company embarked on intelligent applications in six areas: production control, equipment management, safety and environmental protection, energy management, supply chain management, and decision support. This led to the development of a Cyber-Physical System (CPS), making the manufacturing process informational, interconnected, digital, and intelligent. It enhances the Company's labor productivity, operational safety, emergency response, risk prevention, and scientific decision-making capabilities

Zigong New Energy

- ✓ The Company has made significant progress in its "smart transformation and digitalization" initiative, with the first production line for raw glass intelligent inspection now officially in operation, integrating existing DCS (Distributed Control Systems), PLC (Programmable Logic Controllers), and other intelligent control systems

Case

Yixing New Energy Smart Factory

During the construction of the Yixing New Energy Smart Factory Phase III project, new technologies such as artificial intelligence, blockchain, cloud computing, big data, the Internet of Things (IoT), robotics, and 5G will be introduced. Through data modeling and the comprehensive application of IT (Information Technology), OT (Operational Technology), and DT (Digital Technology), the project will focus on the intelligent application in production management, equipment management, cost management, energy management, environmental and safety management, data acquisition, and decision support. It aims to seamlessly integrate with automation systems like DCS, PLC, and robotic arms to create an automated, intelligent, and digitalized factory. By leveraging more thorough perception, broader interconnectivity, and smarter systems, the Company innovates production models to achieve visualization of the glass production process and integration of information flows. This approach not only reduces costs and improves efficiency, but also realizes a win-win situation for the entire value chain.



Tongcheng New Energy initiates intelligent management, enhancing efficiency through big data integration

Tongcheng New Energy, by jointly developing a smart factory management platform, has pioneered a new model of intelligent manufacturing for ultra-thin photovoltaic glass substrates. Through remote operations, maintenance, and simulation modeling, the Company has achieved a fully interactive human-machine intelligent production line across the entire production process. By employing "large-scale concentration, large platforms, and big data" technology applications, the Company connects isolated information systems within the factory. It integrates big data, cloud computing, artificial intelligence, blockchain, and other next-generation information technologies to establish a comprehensive industrial cloud platform. This platform supports collaborative office work, human resources, equipment management, supply and sales management, safety and environmental management, financial management, operational management, and production data twinning. By establishing a data-driven agile management and decision-making system, the Company accelerates business cycle times, promptly synchronizes production equipment, anticipates production risks, saves time costs, reduces operational costs, and enhances both office and production efficiency.



Smart Control Center Real-Scene Image

Creating Excellent Products

The Company has always adhered to a customer-centric approach, continuously strengthening product quality and dedicating itself to providing high-quality, diverse products and services to society through its professional technology and advantages. The Company consistently upholds the principle of safe production, protecting the information security of stakeholders with service standards that ensure customer satisfaction.

Product Quality Management

It strictly follows relevant laws and regulations such as the Product Quality Law of the People's Republic of China (《中華人民共和國產品質量法》) and the Standardization Law of the People's Republic of China (《中華人民共和國標準化法》), and regulates its quality management system in accordance with the requirements of the GB/T 19001-2016 standard.

The Company has established a Quality Management Method (《質量管理辦法》), and its subsidiaries have developed quality control systems such as the Raw Glass Production Process Control Procedure (《原片生產過程控制程序》), Deep Processing Production Process Control Procedure (《深加工生產過程控制程序》), Product Inspection Control Procedure (《產品檢驗控制程序》), and Raw Material Procurement Inspection Control Procedure (《原料進貨檢驗控制程序》), all of which are meticulously implemented to ensure the Company's products meet both national and enterprise standards.

Case

Yixing New Energy quality and service management system

1 Product quality standards and improvement

Product quality standards	Quality inspection	Quality improvement	Quality training
The Company rigorously implements national or enterprise standards to ensure products meet customer needs and expectations	It establishes a comprehensive quality inspection process for the raw materials, production process, and final products to guarantee product quality meets the requirements	Continuously improving product quality through collecting customer feedback, internal quality control, and optimizing production processes to enhance product quality levels	Conducts regular quality training to raise employees' attention of product quality, strengthening their quality consciousness and skill levels

2 Product and service testing and quality management certification

Testing institution selection	Testing process development	Application of testing data	Quality management certification
The Company selects authoritative and credible testing institutions for product and service testing to ensure the accuracy and reliability of test results	It develops a thorough testing process, including sample preparation, determination of testing items, selection of testing methods, and evaluation of test results, to ensure the testing process is standardized and scientific	Testing data is used for product quality improvement and optimization of the production process, continuously enhancing product quality and production efficiency	The Company actively advances quality management certification and has obtained ISO9001 quality management system certification to improve its quality management level, thereby elevating its product quality and market competitiveness

Product withdrawal and recall

To ensure the effective implementation of product withdrawal and recall mechanisms, the Company has established a comprehensive quality management system, strengthened supply chain management, and enhanced employees' quality awareness and skill levels. The Company maintains close communication with government departments and industry associations to stay informed about relevant regulations and policy dynamics, ensuring the compliance of product withdrawal and recall activities. In 2023, the Company experienced no product-related negative incidents.

Management of product withdrawals and recalls in subsidiary companies

Zhangzhou New Energy

All non-conforming products that customer complained should be returned to the Company for handling. In special cases, such as when the quantity is small or the transportation cost exceeds the value of the glass, customer service may communicate with the customer to have the product scrapped on site. In 2023, there were no recalls due to health or safety issues.

Zigong New Energy

Quality inspection personnel confirm whether defective products are related to quality issues. When a quality issue is verified, they record the quantity and category of the defective products, identify the cause of the defects, and make improvements to resolve these issues in subsequent deliveries.

In 2023, there were no batch recalls, no regulatory penalties, and no negative incidents such as media exposure.

Hefei New Energy

If the Company's products present health and safety issues, the Company will trace the risk scope based on information such as the production batch of the problematic products and withdraw relevant products. In 2023, there were no products withdrew due to health or safety concerns.

Tongcheng New Energy

When products arrive at the customer's delivery location and exceed the agreed-upon quality standards, quality personnel will go to the delivery site to confirm and process returns or exchanges.

Response to negative incidents

- The Company commits to providing all affected users with free replacement after-sales service and offers free replacement products for customers who have purchased but have not yet identified any issues
- A comprehensive inspection and rectification of the production line are conducted to ensure all products meet quality standards. Communication with suppliers is strengthened, demanding improved product quality control
- Employee training efforts are intensified to enhance their quality awareness and skill levels, and third-party organizations are invited to retest the Company's products
- Social media is used to publish positive information series, such as the Company's development history and technological innovation achievements, to reshape the brand image

Suppliers Management

The Company's supplier selection focuses on diversity and long-term cooperation to reduce supply chain risks and ensure product quality and supply stability. The Company regularly evaluates and screens suppliers and conducts regular inspections to ensure they align with the Company's values and principles of social responsibility. Suppliers are required to comply with relevant laws and regulations, respect human rights, protect the environment, and engage in fair and transparent business practices.

The Company's supply chain management primarily operates through autonomous procurement at each base, with centralized Group procurement for key bulk raw materials. The objective is to enhance supply chain efficiency and optimize supply chain processes, thereby assisting the enterprise in reducing costs, increasing efficiency, and achieving sustainable development.

Green procurement and raw material purchasing

- The Company prioritizes environmentally friendly, energy-saving, and low-carbon products and services, encouraging suppliers to use eco-friendly materials and technologies to minimize impact on environment.
- Suppliers are required to provide relevant safety certification documents and test reports to ensure that raw materials meet national and industry safety standards.
- Raw materials are subject to sampling and testing to guarantee quality and safety

Supply chain safety emergency plan

- The emergency response process and responsibility allocation are clearly defined, including specific measures and steps for addressing supply disruptions, product quality issues, and safety incidents.
- Regular emergency drills are organized to enhance employees' emergency response capabilities

Supply chain risk management system

- The Company evaluates and predicts potential risks within the supply chain and develops corresponding preventative measures.
- A stocking mechanism has been established with suppliers to ensure timely replenishment of finished products in the event of supply disruptions

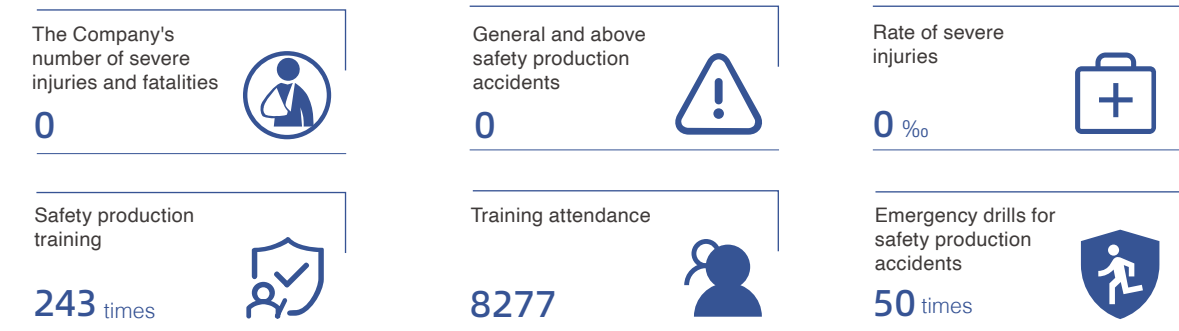
Supply chain transparency

- A supplier platform has been established to better control risks through transparent supply chain management, allowing for timely measures to be taken in response

Safety Production

The Company has established a comprehensive safety production management system, revising systems such as the Safety Production Responsibility System for All Employees (《全员安全生产责任制》), Dual Prevention System Management Measures for Safety Production (《安全生产双预防体系管理办法》), Safety Production Statistics and Accident Reporting Management Measures (《安全生产统计和事故报告管理办法》), and Interim Measures for Safety Production Penalties (《安全生产处罚暂行办法》). Through conducting various special activities, it urges all units to strengthen leadership, refine tasks, solidify measures, and deepen work to ensure the implementation of safety production responsibilities. At the same time, the Company strengthens supervision, strictly assesses performance, intensifies rewards and punishments, and fully leverages the performance incentive mechanism. All six production enterprises under the Company have passed the safety production standardization certification.

In 2023,



Case

Triumph Science & Technology Group's "Safety Production Month" awards



Case

Yixing New Energy's safety production management

The Company diligently implements national laws, regulations, and industry standards, embracing the philosophy that "safe development and safety at work are paramount". It has robustly carried out various safety management tasks, significantly enhancing the Company's level of safety management.

Organizational System	The Company has established a Safety Production Committee, chaired by the President, with a Deputy General Manager serving as the vice-chair and heads of various departments as members.
Division of responsibilities	The Safety Production Committee is responsible for the comprehensive management of the Company's safety production work. It develops and implements safety production rules and regulations, organizes training and education, safety inspections, emergency management, and accident handling. Safety performance is linked to employee rewards and penalties to motivate employees to actively participate in safety work, thereby improving overall safety awareness and prevention abilities.
Safety training and promotional activities	The Company organizes sessions to watch safety and fire prevention educational videos to learn about safety knowledge. It conducts occupational health knowledge training tailored to different hazards and protections required by various positions and carries out emergency rescue training.
Hazard identification and rectification	The potential hazard identification and inspection team, led by the Company's leaders and composed of various departments and regional directors, conduct thorough safety inspections in production areas, finished goods warehouses, substations, employee canteens, dormitories, and confined spaces. They identify and rectify potential safety hazards to resolutely curb and effectively prevent accidents.
Emergency response plans and rescue drills	The Company has developed detailed emergency response plans, and conducted drills for chemical spill incidents and forklift accidents.
Production equipment management	The Company has implemented a three-tier maintenance system for on-site production equipment, requiring staff to perform daily cleaning. It has established systems for professional equipment maintenance, tour inspection management, lubrication management, major repair inspections, and emergency fault repair management.

Zigong New Energy's Safety Production Month activities

Zigong New Energy launched Safety Production Month activities under the theme "Everyone Talks About Safety, Everyone Knows Emergency Response". The Company's Safety and Environmental Protection Department organized various departments to participate in safety film screenings, fire safety relay races, safety hazard spot-and-shoot activities, and emergency rescue drills. These activities aim to enhance the safety awareness of grassroots employees and promote the Company's safe development.



Customer Service and Rights

The Company conducts customer satisfaction survey annually. In 2023, over a hundred customers participated in the survey, accounting for more than 90% of the Company's total customer base. According to the survey results, the Company achieved a customer satisfaction rate of 95%, with high praise from customers for product quality, after-sales service, and technical support.

Customer follow-up and after-sales service

Establishing comprehensive customer feedback channels	Including telephone, email, and online customer service, facilitating customers to provide feedback at any time
Setting up a specialized sales service department	Responsible for receiving, processing, and following up on customer feedback to ensure timely resolution of customer issues
Classifying customer feedback for management	Based on the severity and urgency of the issues, formulating corresponding processing procedures and time limits
Regularly analyzing customer feedback	Identifying the causes of issues, proposing improvement measures, and continuously optimizing products and services
Establishing a customer feedback archive	Filing and organizing customer feedback records, making them easily accessible and traceable

After-sales service system includes

Product quality assurance	Providing a certain period of quality guarantee for all products. Should any product exhibit quality issues, the Company will replace it free of charge and negotiate a resolution
Technology support	Professional quality and sales teams are in place to provide customers with technical support services through online, offline, and live methods, assisting customers in resolving issues encountered during use
After-sales service	After product dispatch, the quality and usage are tracked, offering customers convenient and prompt after-sales service
Supply of OEM Products	Providing Original Equipment Manufacturer (OEM) products for various items, allowing customers to purchase the products they need according to their requirements
Training service	Training on product use and maintenance is offered to customers, helping them to use and maintain the products more effectively

Customer complaint response mechanism

Establishing a dedicated team for handling customer complaints	Responsible for receiving, investigating, and resolving customer complaints
Investigating seriously the issues that customer complain	Understanding the root cause, analyzing the issue, and developing a solution
Maintaining effective communication with customers	Giving timely feedback on the progress and outcomes of complaint to guarantee customer satisfaction
Summarizing and analyzing customer complaint incidents	Lessons learned are distilled to refine internal management systems and processes, aiming to prevent the recurrence of similar issues

Customer information protection

Formulating a strict policy for the protection of customer information	Clearly defining the responsibilities and obligations of employees when handling customer information
Providing training on customer information protection to all employees	Enhancing employees' awareness and skills regarding information security
Establishing a comprehensive customer information management system	Covering the collection, storage, use, transmission, and destruction of customer information
Signing confidentiality agreements with partners	Ensuring the security of customer information throughout the cooperation process

In 2023, the Company experienced no incidents of customer information leakage.

Building a Better Society Together

The Company has always adhered to the philosophy of harmonious integration between corporate development and the fulfillment of social responsibilities. It continuously strengthens its political commitment, actively participates in public welfare initiatives, expands trade cooperation with countries along the "Belt and Road" initiative, responds to the national "Rural Revitalization" strategy, and demonstrates love, serves the public, and fulfills responsibilities through concrete actions, showcasing Triumph's commitment.

Overseas Business Expansion

The Company proactively faces international competition under new circumstances. To implement the strategic goal of "recreating a CNBM abroad in about ten years" set by CNBM, the Company actively expands its overseas business, continuously taking new steps.

Case

Hefei New Energy's active overseas business expansion

Hefei New Energy provided packaged commissioning technical services, on-site factory training, and domestic skill training for project owners' trainees for three overseas ultra-clear calendered glass projects undertaken by the international engineering department during the trial production period of their production line.



2023

The company's international trade increased by **29.02%** over the previous year, with sales reaching **409 million yuan**.

Social Responsibility Fulfillment

The Company strives to cultivate an excellent corporate culture, adheres to green and coordinated development, solidifies the baseline of safety and environmental protection, builds harmonious labor relations, undertakes the social responsibilities of central government enterprises, and consolidates the driving force for corporate development. It actively increases financial and cadre support for poverty alleviation, relying on CNBM's "Shanjian Commonweal" fund and other charitable platforms, vigorously supporting employees' participation in public welfare and community building activities.

Social welfare

The Company insists on putting people first, striving to do practical things for the public, solving their problems, and has coordinated and resolved a large number of historical issues that affect the immediate interests of the public. The Company maintains the tradition of conducting Spring Festival consolation visits, leading relevant department heads to visit and comfort employees and Party members facing difficulties, promptly delivering the organization's care and greetings.

Case

Yixing New Energy's "Respecting the Elderly in Double Ninth Festival, Warming Hearts in Autumn" volunteer service



Yixing New Energy's public welfare activities

On March 7, 2023, "Yixing New Energy leadership team" led a team to Fandao Experimental Primary School in Yixing City to carry out a consolation visit.



 Distribute comfort items
A total of **10494** yuan

Rural revitalization

The Company always remembers its core philosophy of "smart use of resources to serve the industrial construction", actively increasing financial aid and cadre support to improve the self-development capabilities of designated assistance villages, solidify the foundation for poverty alleviation, and consolidate and enhance the quality of poverty alleviation. Relying on CNBM's "Shanjian Commonweal" fund and other charitable platforms, the Company vigorously supports employees' participation in public welfare and community building activities, spreading warmth to thousands of households.

2023

In 2023, following the Initiative on Welfare Purchasing to Support Rural Revitalization by Labor Unions at All Levels of Triumph Science and Technology Group (《關於凱盛科技集團各級工會組織開展福利採購支持鄉村振興的倡議》), Triumph New Energy and its subsidiaries purchased a total of 300 kg of Luohanping honey, contributing to consumption assistance of **RMB 76,800**.



Adhering to Party
Building and Guide

Rigorous
and Fair Governance

Preventing
Business Risks

Governance Section: Joint Discussions on Standardized Governance

Adhering to Party Building and Guide

The Company has deeply engaged in studying, publicizing and implementing the spirit of the 20th National Congress of the Communist Party of China, and solidly carried out thematic education on Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era. The Party Committee adheres to the system of treating "the primary issue" and "the primary topic" with utmost importance, ensuring thorough learning and discussion through classification and grading. This further educates and guides the vast number of Party member cadres to profoundly understand the decisive significance of "the two establishes", to firmly root "the four consciousnesses", strengthen "the four confidences", and resolutely achieve "the two safeguards". Efforts are made to transform Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era into a powerful force that solidifies ideals, tempers party spirit, guides practice, and promotes work.

Integrating the Leadership of the Party into the Company Governance Structure

The Company organized two sessions of specialized training classes on the spirit of the Party's 20th National Congress, training 74 Party member cadres including members of the Company's two-tier leadership team and middle management. Over 4,100 grassroots Party members participated in rotation training sessions using methods such as "Three Meetings and One Lesson."



Specialized Training Classes on the Spirit of the Party's 20th National Congress

The Company adheres to a bidirectional cultivation plan of "transforming Party members into talents and talents into Party members". In 2023, the Company recruited **8 new Party members** successively, achieving a **100% coverage rate** of Party members among the production frontline teams, with a continuous rise in the number of key talents applying to join the Party.

Party Building Activities

In 2023, various grassroots Party branches focused on increasing efficiency, saving energy and reducing costs, initiating 27 projects to fully support the enterprise in enhancing economic benefits. Labor union organizations focused on "One Increase, One Decrease and Four Enhancements", advanced "Four Stabilizations, Three Reductions, Two Decreases, and One Supplement", and deeply carried out the "Six Comparisons, Six Protections, and Six Strivings for Excellence" activities. The Youth League organizations, focusing on the urgent, difficult, dangerous, and heavy tasks in the company's business development, extensively carried out "Youth Commando Team" activities. The Party Committee successively organized seven sessions of reading classes, with secretaries of Party organizations at all levels delivering 19 specialized Party lessons.

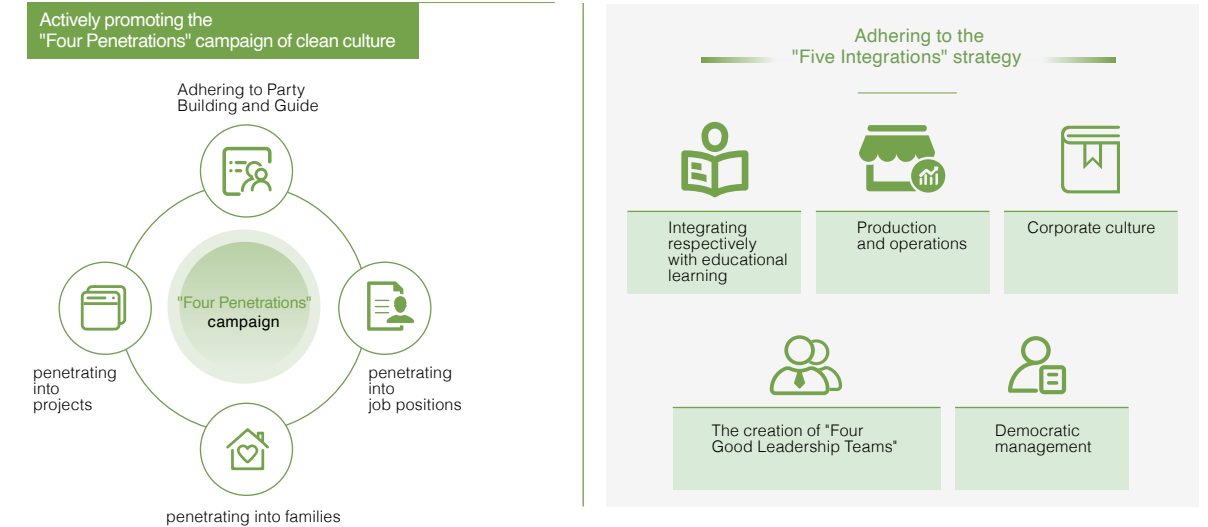
Integrity Construction

The Company has established a series of systems including the Guidance Opinions on Promoting the Construction of a Clean Culture (《關於推進廉潔文化建設的指導意見》), Unified Management Methods for Disciplinary Committee's Problem Clues (《紀委問題線索集中統一管理辦法》), Methods for the Disciplinary Committee to Implement the Investigation and Handling of Corruption Cases Primarily Led by Higher-

Level Disciplinary Committees (Trial) (《紀委落實查辦腐敗案件以上級紀委領導為主的辦法(試行)》), Implementation Methods for Major Supervision Work (Trial) (《大監督工作實施辦法(試行)》), and Guidance Opinions of the Party Committee on Practicing and Applying the 'Four Forms' of Supervision and Discipline Enforcement (《黨委關於實踐運用監督執紀「四種形態」的指導意見》). These systems are designed to construct four main forms of supervision within the Party: internal supervision, functional supervision, democratic supervision, and special supervision. The Company coordinates internal supervision resources to continuously improve the quality and efficiency of supervision, ensuring the Company's healthy and stable development.

The Party Committee of the Company highlights the "key minority", solidifies supervision at the same level, and implements the conversation system; Intensifies the supervision of employee selection and employment and strengthens the supervision and management of young cadres' education; As well as keeps a close eye on the "key nodes", corrects the "Four Undesirable Work Styles", and continuously implements the spirit of the eight central regulations. It has conducted 7 training sessions on the precautions of the "Four Undesirable Work Styles and Eight-point Anti-bureaucracy and Formalism Rules", with a total of 97 attendances.

The Comprehensive Office of Supervision and Discipline Enforcement, as an institution under the Disciplinary Committee, accepts various reports. The Company's Disciplinary Committee has now publicly disclosed relevant contact information on the corporate website, which is listed alongside the "suggestion boxes" set up by the headquarters and affiliated units. This facilitates open channels for complaints and reports, establishes a long-term mechanism for building the Company's clean culture, and fully utilizes various promotional means to expand the publicity pattern.



Continually strengthening anti-corruption education

Enhancing the education on the Company's clean culture concept and perfecting its clean culture system.

2023

In 2023, the Company conducted **16** centralized training sessions for disciplinary inspection cadres, one online training session, and 14 self-conducted training sessions, with **319 personnel trained**. **16 disciplinary inspection cadres** involved in the education rectification campaign completed two rounds of personal self-examination and Party spirit analysis reports, writing **47 reflections** and producing five briefings. Conversations focusing on personal thoughts and feelings were held with **30 members** of the entire leadership team. Adopting a zero-tolerance approach to corruption, the Company issued integrity assessments for **20 cadres**, conducted pre-appointment discussions with **13 individuals**, and held integrity talks with **237 individuals**. Three issues of concern were addressed, with a **100% verification rate**.

Rigorous and Fair Governance

The Company is proactively committed to achieving and maintaining high standard of corporate governance, and constantly improves corporate governance structure in accordance with the Company Law (《公司法》), the Securities Law (《證券法》), the Code on Governance of Listed Companies (《上市公司治理準則》) and other laws and regulations. A decision-making and operation system has been established based on the Articles of Association (《公司章程》) and mainly structured with the Shareholders' General Meeting, the Board of Directors, the Board of Supervisors, and the Management to establish and improve various internal management systems.

Three Meetings and One Layer

General Meeting of Shareholders

The Company ensures that all shareholders, in particular medium and small shareholders, enjoy equal rights and that all shareholders are able to exercise their rights to the full extent of their shareholdings. Shareholders have the right to supervise and manage the Company's business operations, offer suggestions, inquire or request relevant information, and have the right to be informed and participate in significant matters

Board of Directors

Directors are elected by the General Meeting for a term of three years, and responsible for decision making and management of the Company's operation. In 2023, the tenth session of the Board was composed of 11 Directors, including five executive Directors, two non-executive Directors and four independent non-executive Directors. Five special committees are established under the Board, i.e. the Audit Committee, the Remuneration and Review Committee, the Nomination Committee, the Strategic Committee, and the Compliance Committee. To standardize the deliberation process, enhance the efficiency and scientific decision-making level of meetings, the Board of Directors and each specialized committee have established clear rules of procedure.

2023	Executive director	4
	Non-executive Director	3
	Non-executive Director	4
The 10th Board of Directors consists of 11 members		

Supervisory Committee

The Board of Supervisors consists of six Supervisors, including two employee Supervisors and two independent Supervisors. It oversees and inspects the actions of directors, the president, and other senior management personnel, as well as the Company's daily operations and financial status, and is responsible for reporting to the General Meeting.

Management

The Company has one president, appointed or dismissed by the Board of Directors. Based on the Articles of Association (《公司章程》) and the authorization of the Board of Directors, the president has the authority to manage all subsidiaries and functional departments and is responsible for ensuring the daily production and operation of the Company.

Remuneration management

The Company implements an annual salary system for internal directors and supervisors, establishing base salary and performance salary standards. The performance salary is issued at the end of the year based on the Company's efficiency and after assessing the performance of directors and supervisors. For external independent directors and supervisors, an allowance system is implemented, with allowances monthly issued to directors and supervisors. The remuneration of the Company's Board members is regularly announced to the public.

Investor Relations

The Company has established the Investor Relations Management System (《投資者關係管理制度》) and has been enhancing communication with investors and potential investors through facilitating the exercise of shareholders' rights, information disclosure, interactive communication and handling of requests to increase investors' understanding and recognition of the Company, with a view to improve the standard of corporate governance and overall value. The Secretariat of the Board is the functional department and the day-to-day working body of the Company's investor relations management, and is responsible for the implementation of the Company's investor relations management affairs and activities under the leadership of the Secretary to the Board.

The Company communicates and negotiates fully with its shareholders and investors through various means. The main channels include the Company's official website, investor contact telephone, fax and e-mail, etc. Websites and new media platforms include the website of the Shanghai Stock Exchange, the SSE e-interactive platform and securities registration and settlement institutions and other public online infrastructure platforms. Means of communication include convening shareholders' meetings, results presentations, road shows, analyst meetings, receiving visitors and organizing seminars and exchanges, etc.

Investors' rights

The Company enhances communication with investors through participating in investor forums, results presentation meetings, online interactive platforms, and other means, placing great emphasis on fostering positive and harmonious investor relations and responding promptly to investors' inquiries. The Company's Secretariat of the Board is tasked with arranging dedicated personnel to handle investor consultation calls, receive emails, address investors' questions and inquiries, and welcome investors for on-site visits and research. The Company's files, annual reports, half-year reports, quarterly reports, temporary announcements, circulars, etc. were publicized on the website of the Company so that shareholders and investors could obtain updated information about the Company in a timely manner. In the routine communication and interaction with investors, the Company adheres to the principle of fair disclosure, avoiding the leakage of undisclosed significant information or deliberately misleading investors.

The Company strictly complies with national laws, regulations, and policies such as General Rules for Loans (《貸款通則》), Law of the People's Republic of China on the People's Bank of China (《中華人民共和國中國人民銀行法》), Law of the People's Republic of China on Commercial Banks (《中華人民共和國商業銀行法》), etc. It also refers to the relevant systems of the parent group company to revise the Financing and Guarantee Management Methods of Triumph New Energy Company Limited (《凱盛新能源股份有限公司融資及擔保管理辦法》), standardizing the Company's financing and guarantee work, optimizing the financing structure, and reasonably controlling various risks. In 2023, the Company had no overdue loans or bills, no accounts under attention or classified as non-performing, and no bond issues.

Information disclosure

The Company communicates and negotiates fully with its shareholders and investors through various means. The main channels include the Company's official website, investor contact telephone, fax and e-mail, etc. Websites and new media platforms include the website of the Shanghai Stock Exchange, the SSE e-interactive platform and securities registration and settlement institutions and other public online infrastructure platforms. Means of communication include convening shareholders' meetings, results presentations, road shows, analyst meetings, receiving visitors and organizing seminars and exchanges, etc.

The Company held results presentation meetings after the disclosure of the annual report and half-year report, and issued results presentation announcements in accordance with the requirements, which were open to all investors, analysts, media and other relevant parties both at home and abroad. The results presentations were held on the platform of the SSE Roadshow Centre in the form of "live video broadcast + interactive webcast". The Company also regularly conducts interactive exchanges with industry analysts, either onsite or by telephone.

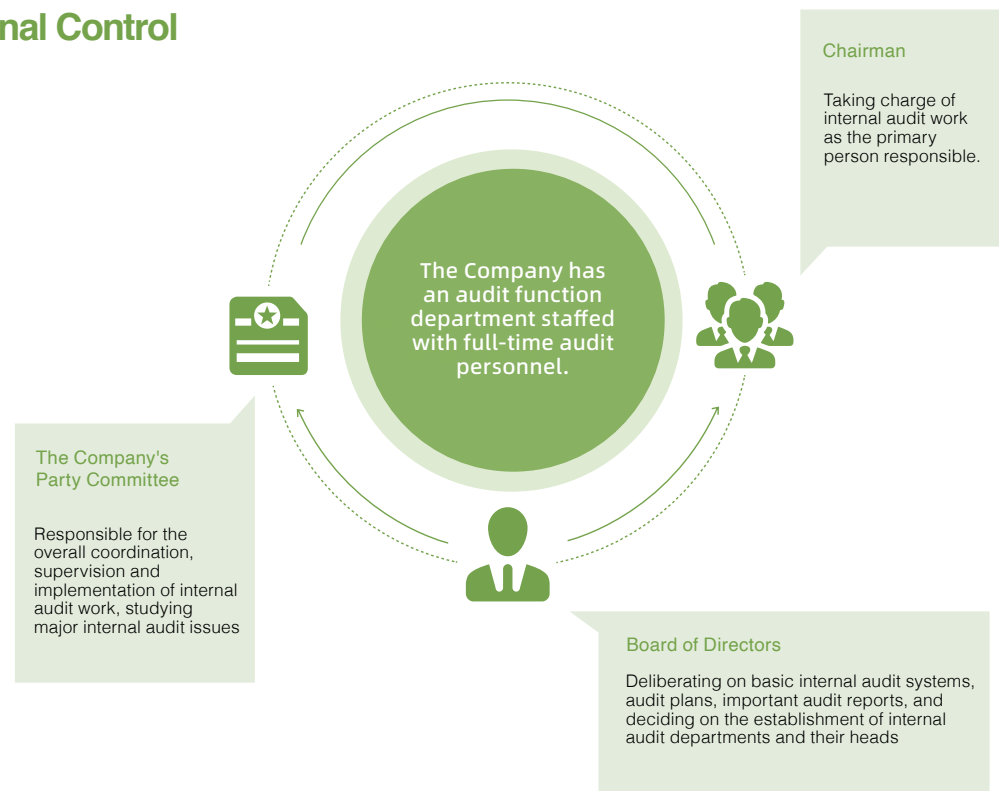
Taxation Management

The Company strictly adheres to the Law of the People's Republic of China on the Administration of Tax Collection (《中華人民共和國稅收徵收管理法》), Interim Regulation of the People's Republic of China on Value Added Tax (《中華人民共和國增值稅暫行條例》), Enterprise Income Tax Law of the People's Republic of China (《中華人民共和國企業所得稅法》), Individual Income Tax Law of the People's Republic of China (《中華人民共和國個人所得稅法》), and other relevant national laws, regulations, and policies. This adherence standardizes the Company's tax management work, optimizes tax management processes, reasonably controls tax risks, and ensures timely payment of all taxes and fees. In 2023, the total taxes and fees paid amounted to RMB 171.4 million.

Preventing Business Risks

The Company has built an internal control prevention system that starts with risk management, centers on clearly defined responsibilities, is guaranteed by the implementation of systems, and relies on standardized processes. It continuously enhances internal control capabilities, and strengthens the foundation of comprehensive risk management; constructs a compliance management system to improve the Company's compliance operation level and legal governance capabilities; and develops a comprehensive risk management system to enhance risk prevention and response levels.

Internal Control



Compliance Management

The Company has established its internal control management system strictly in accordance with the requirements of the China Securities Regulatory Commission, the SSE, the Company Law of the People's Republic of China (《中華人民共和國公司法》), the Securities Law of the People's Republic of China (《中華人民共和國證券法》), other legal regulations, and the Articles of Association (《公司章程》). Compliance management has been integrated into the Company's regulations and systems, building a compliance management system that is led by the Compliance Management System (《合規管理制度》) and supported by regulations covering basic management systems, professional management systems, and work standards.

The Company's Board of Directors has set up a Compliance Committee, which is accountable to the Board. All management departments fulfill their compliance obligations comprehensively, together constructing the "three lines of defense" of compliance management: The first line of defense is the responsibility of various business departments, which manage compliance risk in their respective areas; the second line of defense is the compliance department, responsible for organizing, promoting, and coordinating compliance management work; the third line of defense involves the audit and supervision departments, responsible for overseeing and reviewing compliance management work, and urging rectification and implementation. In 2023, the Company achieved a 100% compliance review rate for contracts, regulations, and significant decisions. In 2023, the Company did not experience any major litigation cases or arbitration matters, and no violations or penalties occurred.

Risk Management

Surrounding the annual business objectives, the Company has established and perfected a comprehensive risk management system, as well as an organizational function system and an internal control system that include risk management strategies and risk management. This ensures that the Company's business management activities are conducted healthily, risks are avoided and minimized, and strategic objectives are achieved.



Appendix 1: Key Performance Indicators (KPIs)

Environmental				
Indicator	Unit	2023	2022	2021
Total water consumption	metric ton	33,108,570.42	25,563,310.56	40,258,411.78
- Fresh water consumption	metric ton	3,096,098.00	2,421,137.82	2,146,416.58
- Total recycled water consumption	metric ton	30,012,472.42	23,142,172.74	38,111,995.2
- Proportion of recycled water consumption	%	90.65	90.53	94.67
Total energy consumption	TCE	494,734.96	351,057.32	302,962.65
Diesel oil consumption	metric ton	117.85	150.43	164.29
Gas consumption	10,000 m ³	29,482.34	22,120.81	19,472
Fuel oil consumption	metric ton	16,599.07	/	/
Other petroleum products consumption	metric ton	30,674.43	27,196.79	14,167.30
Photovoltaic power	kWh	3,199.74	1,301.74	1,236.81
Waste heat and pressure power generation	kWh	8,199.92	5,043.55	3,392.27
Outsourced electric power	kWh	57,518.34	33,580.18	31,538.65
Discharge of industrial wastewater	metric ton	896,441.52	752,631.26	1,457,321.9
Exhaust pollutant emissions	kg	1,057,376.97	590,034.07	410,290
Sulfur dioxide	kg	155,400.80	89,230	71,860
Nitrogen oxide	kg	830,955.06	472,934.07	307,100
PM	kg	71,021.11	27,870	31,330
Volume of general industrial solid waste disposal	metric ton	304,048.52	/	/
Volume of hazardous waste disposal	metric ton	100.63	/	/
GHG emissions (Scope 1)	tCO ₂ e	1,030,374.50	611,779.47	631,503.45
Total emission from burning of fossil fuel	tCO ₂ e	761,182.84	456,710.11	455,458.31
Emission from Decomposition of Carbonate Raw Materials	tCO ₂ e	269,191.66	155,069.36	175,905.15
GHG emissions (Scope 2) - Outsourced electric power	tCO ₂ e	475,828.18	243,706.33	220,020.92

Note: The statistics in 2021 include Yixing New Energy, Hefei New Energy, Bengbu CNBM Information Display Materials, Tongcheng New Energy, Zigong New Energy, North Glass, Longmen Glass, Longhai and Puyang Photoelectric Materials; The statistics in 2022 include Yixing New Energy, Hefei New Energy, Tongcheng New Energy, North Glass, Zigong New Energy and Zhangzhou New Energy; The statistics in 2023 include Yixing New Energy, Hefei New Energy, Tongcheng New Energy, North Glass, Zigong New Energy and Zhangzhou New Energy

Social				
Indicator	Unit	2023	2022	2021
Total number of employees	person	3,801	3,425	3,857
Ethnic minority	person	92	70	79
The disabled	person	13	11	14
Contract type	Full-time	person	3,801	3,425
	Part-time	person	0	0
Gender structure	Male employees	person	2,718	2,299
	Female	person	1,083	1,126
Age structure	Under 30	person	1,043	785
	31-50	person	2,243	2,181
	Over 50	person	515	459
Function	Production personnel	person	2,939	2,613
	Sales	person	46	80
	Technical personnel	person	436	325
	Financial staff	person	54	50
	Administrative staff	person	326	357
Degree of education	Master's degree	person	27	29
	Bachelor's degree	person	378	285
	Below Bachelor's degree	person	3,396	3,111
Geographical region	China (the Chinese mainland)	person	3,801	3,425
	China (Hong Kong, Macao and Taiwan)	person	0	0
	Foreign countries	person	0	0
Number of new recruits	Female employees	person	270	372
	Male	person	1,335	791
	Fresh graduates	person	64	18
	Employees with experience	person	1,541	1,146
Employee turnover rate	%	14.98	16.02	17.07
Social insurance coverage	%	100	100	100
Employee training coverage	All employees	%	100	100
	Senior management employees	%	100	100
	Middle management employees	%	100	100
	Primary employees	%	100	100

Indicator	Unit	2023	2022	2021
Number of employee training sessions	time	19,119	10,300	4,202
Total training investment in the year	RMB 10,000	90.97	55.92	28.67
Total length of training in the year	hour	68,364	68,103.5	14,505
Safety production investment	RMB 10,000	608.70	498.72	498.11
Number of safety production training sessions	time	243	963	202
Attendances for safety production training	attendance	8,277	5,615	6,548
Coverage of safety production training	%	100	100	100
General and above safety production accidents	-	0	0	0
Number of work-related fatalities	person	0	0	0
Rate of work-related fatalities	%	0	0	0
Number of lost work hours due to safety accidents	hour	0	0	0
Product percent of pass	%	98.93	98.81	98.34
Number of products recalled	-	28,885	11,040	22,620
Rate of products recalled	%	0.03	0.01	0.01
Number of customer complaints	time	490	338	326
Customer complaint resolution Rate	%	99.42	100	100
R&D investment	RMB 100 million	2.62	2.00	1.58
Proportion of R&D investment	%	3.97	3.97	4.37
Number of patent applications in 2023	-	89	55	47
Number of invention patent applications in 2023	-	48	31	21
Number of patents authorized in 2023	-	74	49	35
Number of invention patents authorized in 2023	-	32	18	6
Total number of patents authorized	-	216	159	194
Total number of invention patents authorized	-	30	21	35
Duration of public-interest activities	hour	29	31	8
Number of personnel invested in public-interest activities	person	75	249	20
Investment in public-interest activities	RMB	162,069	74,465	59,597
Investment in rural revitalization	RMB	131,800	62,423	57,500

Note: The human resource data statistics in 2021 include Yixing New Energy, Hefei New Energy, Bengbu CNBM Information Display Materials, Tongcheng New Energy, Zigong New Energy, North Glass, Longmen Glass, Longhai and Puyang Photoelectric Materials; The statistics in 2022 include Yixing New Energy, Hefei New Energy, Tongcheng New Energy, North Glass, Zigong New Energy, Zhangzhou New Energy and Luoyang New Energy; The statistics in 2023 include Yixing New Energy, Hefei New Energy, Tongcheng New Energy, North Glass, Zigong New Energy, Zhangzhou New Energy and Luoyang New Energy Governance

Governance

Indicator	Unit	2023	2022	2021
Number of meetings of the Board of Directors	time	10	12	21
Number of meetings of the Board of Supervisors	time	6	5	9
Number of proposals deliberated and approved by the General Meeting	—	13	20	40
Number of proposals deliberated and approved by the Board of Directors	—	54	62	72
Number of proposals deliberated and approved by the Board of Supervisors	—	10	16	22
Average annual tenure of the Board of Directors	year	1.35	2.3	5.02
Average annual tenure of the Board of Supervisors	year	1.23	0.6	6.1
Board of Directors				
Number of Directors	person	11	11	11
Number of Independent Directors	person	4	4	4
Number of Executive Directors	person	4	5	5
Male	person	9	9	10
Female	person	2	2	1
Under 30	person	0	0	0
30-50	person	4	4	4
Over 50	person	7	7	7
Board of Supervisors				
Number of Supervisors	person	6	6	6
Number of external Supervisors	person	2	2	2
Number of employee Supervisors	person	2	2	2
Male	person	4	3	4
Female	person	2	3	2
Management				
Male	person	4	5	5
Female	person	1	1	1
Under 30	person	0	0	0
30-50	person	3	3	1
Over 50	person	2	3	5

Indicator	Unit	2023	2022	2021
Shareholders' General Meetings held	time	3	4	6
Attendance rate of directors at the General Meeting of Shareholders	%	90.32	97.78	72.73
Number of proposals deliberated and approved by the General Meeting	-	13	20	40
Times of results presentations held	time	4	2	2
Number of investor inquiries responded to on the investor communication platform	-	55	19	76
Number of investor calls received and answered	time	47	/	/
Periodic reports compiled and published	-	4	4	4
Temporary announcements released	-	60	74	111
Number of compliance training sessions	time	14	10	8
Duration of compliance training	hour	34	25	20
Attendances for compliance training	attendance	2,106	1,543	2,410

Appendix 2: Indicators Index List

Disclosure Index of Reference of ESG Indicators System for ESG Reports of Listed Companies Controlled by Central Enterprises (《央企控股上市公司 ESG 专项报告参考指标体系》)		
Major Scopes, Topics	Disclosure Index	
Section I: Environment (E)		
E.1: Resource Consumption		
E.1.1 Water	E.1.1.1 Fresh water consumption	Key Performance Indicators
	E.1.1.2 Recycled water consumption	
	E.1.1.3 Proportion of recycled water consumption	
	E.1.1.4 Water consumption intensity	
E.1.3 Energy	E.1.3.1 Fossil energy consumption	Key Performance Indicators
	E.1.3.2 Non-fossil energy consumption	
	E.1.3.3 Non-fossil energy use ratio	
	E.1.3.4 Total energy consumption	
	E.1.3.5 Energy consumption intensity	
E.2: Prevention and Control of Pollution		
E.2.1 Wastewater	E.2.1.1 Discharge compliance of wastewater	Strengthening Environmental Management
	E.2.1.2 Wastewater management and emission reduction measures	
	E.2.1.3 Discharge of wastewater	Key Performance Indicators
	E.2.1.4 Discharge of wastewater pollutant	
	E.2.1.5 Discharge concentration of wastewater pollutant	
E.2.2 Exhaust	E.2.2.1 Emission compliance of exhaust	Strengthening Environment Management
	E.2.2.2 Exhaust pollutant emissions	Key Performance Indicators
	E.2.2.3 Emission concentration of exhaust pollutant	
3. Solid waste	E.2.3.1 Disposal compliance of solid waste	Strengthening Environmental Management
	E.2.3.2 Management of general industrial solid waste	Key Performance Indicators
	E.2.3.3 Volume of General Industrial Solid Waste Disposal	
	E.2.3.4 Hazardous waste management	Strengthening Environmental Management
	E.2.3.5 Volume of hazardous waste disposal	Key Performance Indicators
E.3: Climate Change		
E.3.1 Greenhouse Gas (GHG) emissions	E.3.1.1 GHG source and type	Responding to the "Dual Carbon" Strategy
	E.3.1.2 GHG emissions management	
	E.3.1.3 Emissions of Scope 1	Key Performance Indicators
	E.3.1.4 Emissions of Scope 2	
E.3.2 Emission reduction	E.3.2.1 Reduction management of GHG emissions	Responding to the "Dual Carbon" Strategy
E.3.4 Climate risk management	E.3.4 Climate risk management	Responding to the "Dual Carbon" Strategy

E.5: Systems and Measures of Resource and Environment Management		
E.5.2 Resource management measures	E.5.2.1 Management of water use	Enhancing resource utilization
	E.5.2.2 Management of material use	
	E.5.2.3 Management of energy use and energy conservation	
E.5.3 Statistical monitoring and assessment reward and punishment system for energy conservation and carbon reduction	E.5.3 monitoring, and assessment reward and punishment system for energy conservation and carbon reduction	Enhancing resource utilization
E.5.4 Green and environmental protection actions and measures	E.5.4.1 Clean Production	Responding to the "Dual Carbon" Strategy
E.5.5 Green and low carbon certification	E.5.5.1 Environmental management system certification	Strengthening Environmental Management
E.5.6 Compliance in environmental field	E.5.6.1 Emergency response plan for sudden environmental incidents	
	E.5.6.2 Incidents illegal or of non-compliance in environmental field	
Section II: Society (S)		
S.1: Rights and Interests of Employees		
S.1.1 Employee recruitment and employment	S.1.1.1 Enterprise recruitment policy and implementation	Safeguarding Rights and Interests of Employees
	S.1.1.2 Employee composition	Key Performance Indicators
	S.1.1.3 Avoiding child labor or forced labor	Safeguarding Rights and Interests of Employees
S.1.2 Remuneration and Benefits of Employees	S.1.2.1 Remuneration philosophy and policy	Safeguarding Rights and Interests of Employees
	S.1.2.3 Guarantee of remuneration and benefits	
	S.1.2.4 Democratic management of employees	
S.1.3 Employee Health and Safety	S.1.3.1 Management of employee occupational health and safety	Safeguarding Rights and Interests of Employees
	S.1.3.2 Prevention and control of employee safety risks	
	S.1.3.3 Response to accidents and work-related injuries	
	S.1.3.4 Employee care and assistance	
S.1.4 Employee development and training	S.1.4.1 Employee incentive and promotion policy	Safeguarding Rights and Interests of Employees
	S.1.4.2 Employee education and training	
	S.1.4.3 Support for employee career planning and position change	
S.1.5 Employee satisfaction	S.1.5.1 Employee satisfaction survey	Safeguarding Rights and Interests of Employees
	S.1.5.2 Labor disputes	
S.2 Products and Services Management		
S.2.1 Product safety and quality	S.2.1.1 Policies and measures of production standard management	Creating Excellent Products
	S.2.1.2 Quality management	
	S.2.1.3 Products recall and withdrawal	
	S.2.1.4 Negative incidents about products or services	
S.2.2 Customer service and rights	S.2.2.1 Customer satisfaction	Creating Excellent Products
	S.2.2.2 Customer complaints and handling	
	S.2.2.3 Protection of customers' information and privacy	
S.2.3 Innovative Development	S.2.3.1 R&D and innovation management system	Creating Excellent Products

	S.2.3.2 R&D investment	Innovative and Intelligent Development
	S.2.3.3 Innovative accomplishments	
	S.2.3.4 Intellectual property protection	
S.3: Safety and Management of Supply Chain		
S.3.1 Suppliers Management	S.3.1.1 Suppliers selection and management	Creating Excellent Products
	S.3.1.2 Number and distribution of suppliers	Key Performance Indicators
S.3.2 Management of Supply Chain Links	S.3.2.1 Policies and measures of supply chain management	Creating Excellent Products
	S.3.2.2 Safety guarantee and emergency plan of supply chain	
S.4: Social Contribution		
S.4.1 Tax Payment	S.4.1 Tax Payment	Preventing Business Risks
S.4.3 Social Welfare Activities	S.4.3.1 Policies and measures of participating social welfare activities	Building a Better Society Together
S.4.4 Response to National Strategies	S.4.4.2 Rural revitalization and regional coordinated development	
	S.4.4.3 Belt and Road and fulfillment of responsibilities overseas	
Section III: Governance (G)		
G.1 Governance Strategies and Organization Chart		
G.1.1 Governance Strategies and Processes	G.1.1.1 Formulation of governance strategies	Board Statement
	G.1.1.2 Processes for the supervision of governance strategies	
	G.1.1.3 Processes for the approval and review of governance strategies	
	G.1.1.4 Party building and guide	Adhering to Party Building and Guide
G.1.2 Organization Structure and Functions	G.1.2.2 Organization structure and functions of the Board of Directors, the Supervisory Committee and the Management	Rigorous and Fair Governance
	G.1.2.3 Nomination procedure and composition of the Board of Directors, the Supervisory Committee and the Management	
G.1.3 Remuneration Management	G.1.3.1 Remuneration plan of Directors and Supervisors	Rigorous and Fair Governance
	G.1.3.2 Remuneration transparency of the Board of Directors	
	G.1.3.3 Remuneration rationality of the Management	
G.2: Standardized Governance		
G.2.1 Internal Control	G.2.1.1 Internal Audit	Preventing business risks
	G.2.1.2 Internal control structure, mechanism and process	
G.2.2 Integrity Construction	G.2.2.1 Integrity construction systems and standards	
	G.2.2.2 Integrity construction measures and effects	
G.3: Investor Relation Management and Shareholders' Rights		
G.3.1 Investor Relation Management	G.3.1.1 Strategies of investor relation management	Rigorous and Fair Governance
	G.3.1.2 Communication with investors	
	G.3.1.3 Development of investor relation management department	
G.3.2 Shareholders' Rights	G.3.2.1 Shareholders' (General) Meeting	Rigorous and Fair Governance
	G.3.2.2 Communication with shareholders	
	G.3.2.3 Shareholders' rights to be informed and participate in decision making	
G.4: Transparency of Information Disclosure		
G.4.1 Information Disclosure Systems	G.4.1.1 Financial information disclosure	Rigorous and Fair Governance
	G.4.1.2 Non-financial information disclosure	
G.4.2 Quality of Information Disclosure	G.4.2.1 Periodical supervision, audit and assessment for all disclosed information	Rigorous and Fair Governance
G.5: Compliance Operation and Risk Management		
G.5.1 Compliance Operation	G.5.1.1 Compliance operation systems	Preventing business risks
	G.5.1.2 Compliance system construction	
	G.5.1.3 Detailed process of compliance investigation	

G.5.2 Risk Management	G.5.2.1	Risk identification and early warning	Preventing business risks
	G.5.2.2	Risk control and tracking	
	G.5.2.3	Risk report and management	

Disclosure Content Index of GRI Standards (《可持續發展報告標準》)

GRI Standards	Disclosure Items	Section		
GRI 2: General Disclosures 2021	2-1	Organizational details	About this Report, About Us	
	2-2	Entities included in the organization's sustainability reporting		
	2-3	Reporting period, frequency and contact point		
	2-6	Activities, value chain and other business relationships	About Us	
	2-7	Employees	Safeguarding Rights and Interests of Employees	
	2-8	Workers who are not employees	Rigorous and Fair Governance	
	2-9	Governance structure and composition		
	2-10	Nomination and selection of the highest governance body		
	2-11	Chair of the highest governance organ		
	2-12	Role of the highest governance body in overseeing the management of impacts		
	2-13	Delegation of responsibility for managing impacts	Board Statement	
	2-14	Role of the highest governance body in sustainability reporting		
	2-15	Conflicts of interest	Interactions with Stakeholders	
	2-16	Communication of critical concerns		
	2-17	Collective knowledge of the highest governance body	Board Statement	
	2-18	Evaluation of the performance of the highest governance body	Rigorous and Fair Governance	
	2-19	Remuneration policies	Safeguarding Rights and Interests of Employees	
	2-20	Process to determine remuneration	Board Statement	
	2-22	Statement on sustainable development strategy		
	2-25	Processes to remediate negative impacts	Preventing Enterprise Risks	
	2-26	Mechanisms for seeking advice and raising concerns	ESG Management	
	2-27	Compliance with laws and regulations	Preventing Enterprise Risks	
	2-28	Membership associations	Interactions with Stakeholders	
	2-29	Approach to stakeholder engagement		
	GRI 3: Material Topics 2021	3-1	Process to determine material topics	Analysis of Material Topics
		3-2	List of material topics	
		3-3	Management of material topics	
	GRI 201: Economic Performance 2016	201-2	Financial implications and other risks and opportunities due to climate change	Responding to the "Dual Carbon" Strategy
		201-3	Defined benefit plan obligations and other retirement plans	Safeguarding Rights and Interests of Employees
GRI 205: Anti-corruption 2016	205-2	Communication and training about anti-corruption policies and procedures	Preventing Enterprise Risks	
	205-3	Confirmed incidents of corruption and actions taken	No Such Cases	
GRI 206: Anti-competitive Behavior 2016	206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices		

GRI 207: Tax 2019	207-1	Approach to tax	Preventing Enterprise Risks
	207-2	Tax governance, control, and risk management	
GRI 301: Materials 2016	301-1	Materials used by weight or volume	Enhancing resource utilization
GRI 302: Energy 2016	302-1	Energy consumption within the organization	Key Performance Indicators
	302-3	Energy intensity	
	302-4	Reduction of energy consumption	Enhancing resource utilization
GRI 303: Water and Effluents 2018	303-1	Interactions with water as a shared resource	
	303-2	Management of water discharge-related impacts	
	303-3	Water withdrawal	Key Performance Indicators
	303-4	Water discharge	
	303-5	Water consumption	
GRI 305: Emissions 2016	305-1	Direct (Scope 1) GHG emissions	Key Performance Indicators
	305-2	Energy indirect (Scope 2) GHG emissions	
	305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	
GRI 306: Waste 2020	306-1	Waste generation and significant waste-related impacts	Strengthening Environmental Management
	306-2	Management of significant waste-related impacts	Key Performance Indicators
	306-5	Waste directed to disposal	
GRI 308: Supplier Environmental Assessment 2016	308-1	New suppliers that were screened using environmental criteria	Creating Excellent Products
	308-2	Negative environmental impacts in the supply chain and actions taken	
GRI 401: Employment 2016	401-1	New employee hires and employee turnover	Safeguarding Rights and Interests of Employees
	401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	
	401-3	Parental leave	
GRI 403: Occupational Health and Safety 2018	403-1	Occupational health and safety management system	Safeguarding Rights and Interests of Employees
	403-2	Hazard identification, risk assessment, and incident investigation	
	403-3	Occupational health services	
	403-4	Worker participation, consultation, and communication on occupational health and safety	
	403-5	Worker training on occupational health and safety	
	403-6	Promotion of worker health	
	403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	
	403-8	Workers covered by an occupational health and safety management system	
	403-9	Work-related injuries	
	403-10	Work-related ill health	
GRI 404: Training and Education 2016	404-1	Average hours of training per year per employee	Key Performance Indicators
	404-2	Programs for upgrading employee skills and transition assistance programs	Safeguarding Rights and Interests of Employees
GRI 408: Child Labor 2016	408-1	Operations and suppliers at significant risk for incidents of child labor	No Such Cases
GRI 409: Forced or Compulsory Labor 2016	409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	No Such Cases
GRI 413: Local Communities 2016	413-1	Operations with local community engagement, impact assessments, and development programs	Building a Better Society Together
	413-2	Operations with significant actual and potential negative impacts on local communities	No Such Cases

GRI 416: Customer Health and Safety 2016	416-1	Assessment of the health and safety impacts of product and service categories	Creating Excellent Products
	416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	
GRI 417: Marketing and Labeling 2016	417-1	Requirements for product and service information and labeling	
	417-2	Incidents of non-compliance concerning product and service information and labeling	
	417-3	Incidents of non-compliance concerning marketing communications	
GRI 418: Customer Privacy 2016	418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	

Disclosure Content Index of ESG Reporting Guide (《環境、社會及管治報告指引》) of the Hong Kong Stock Exchange

Subject Areas, Aspects, General Disclosures and KPIs		Disclosure Index	
A. Environmental			
Aspect A1: Emissions	General Disclosure: Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer, relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.		Responding to the "Dual Carbon" Strategy Strengthening Environmental Management
	KPI A1.1	The types of emissions and respective emissions data.	Key Performance Indicators
	KPI A1.2	Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in metric ton) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
	KPI A1.3	Total hazardous waste produced (in metric ton) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
	KPI A1.4	Total non-hazardous waste produced (in metric ton) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
	KPI A1.5	Description of emissions target(s) set and steps taken to achieve them.	Responding to the "Dual Carbon" Strategy
	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.	Strengthening Environmental Management
Aspect A2: Use of Resources	General Disclosure: Policies on minimizing the issuer's significant impacts on the environment and natural resources.		Enhancing Resource Utilization
	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).	Key Performance Indicators
	KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	
	KPI A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	The Company has not set energy targets and water consumption targets yet, and has not counted the consumption of packaging materials yet; The Company will further plan and formulate relevant goals and measures in the future.
	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.	
	KPI A2.5	Total packaging material used for finished products (in metric ton) and, if applicable, with reference to per unit produced.	
Aspect A3: Environment and Natural Resources	General Disclosure: Policies on minimizing the issuer's significant impacts on the environment and natural resources.		Responding to the "Dual Carbon" Strategy
	KPI A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	

Aspect A4: Climate Change	General Disclosure: Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer.		Responding to the "Dual Carbon" Strategy
	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.	
B. Social			
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.		Safeguarding Rights and Interests of Employees
	KPI B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Key Performance Indicator
	KPI B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	
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. The types of emissions and respective emissions data.		Safeguarding Rights and Interests of Employees
	KPI B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Key Performance Indicator
	KPI B2.2	Lost days due to work injury.	
	KPI B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored.	Safeguarding Rights and Interests of Employees
Aspect B3: Development and Training	General Disclosure: Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.		Safeguarding Rights and Interests of Employees
	KPI B3.1	Description of measures to review employment practices to avoid child and forced labor.	Key Performance Indicator
	KPI B4.1	Description of measures to review employment practices to avoid child and forced labor.	
Aspect B4: Labor 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 labor.		Safeguarding Rights and Interests of Employees
	KPI B4.1	Description of measures to review employment practices to avoid child and forced labor.	
	KPI B4.2	Description of steps taken to eliminate such practices when discovered.	

Operating Practices			
Aspect B5: Supply Chain Management	General Disclosure: Policies on managing environmental and social risks of the supply chain.		Creating Excellent Products
	KPI B5.1	Number of suppliers by geographical region	Key Performance Indicators
	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.	
	KPI B5.3	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored.	Creating Excellent Products
KPI B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.		
Aspect B6: Product Responsibility	General Disclosure: Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer, relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.		Creating Excellent Products
	KPI B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Creating Excellent Products
	KPI B6.2	Number of products and service related complaints received and how they are dealt with.	
	KPI B6.3	Description of practices relating to observing and protecting intellectual property rights.	Innovative and Intelligent Development
	KPI B6.4	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Creating Excellent Products
	KPI B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	
Aspect B7: Anti-corruption	General Disclosure: Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer, relating to bribery, extortion, fraud and money laundering.		Creating Excellent Products
	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.	
	KPI B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	
	KPI B7.3	Description of anti-corruption training provided to directors and staff.	
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.		Building a Better Society Together
	KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labor needs, health, culture, sport).	
	KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	

Appendix 3: Questionnaire

Dear reader,

Thank you very much for taking your precious time reading the Triumph New Energy 2023 Environmental, Social and Governance (ESG) Report. We look forward to your comments and suggestions on the report and our work. You can send your completed questionnaire back to us by mail or by scanning and emailing your valuable comments. Thank you!

Address:

Postal Code:

Phone:

Email:

1. What type of stakeholders does your employer belong to:

- Internal management Stockholders/Investors Internal employees Suppliers/Partners
- Customers and potential customers Government and regulatory authorities Communities
- Experts and scholars Non-governmental organizations
- The public Others (please specify)

2. Is the information you are concerned with fully presented in the report?

- Yes Partially No

3. Your overall comment on the 2023 ESG Report:

·Readability (expressions of clarity, attractive design, engaging and easy to find the required information)

- 3 points (Excellent) 2 points (Average) 1 points (Bad)

·Credibility (reported information is true and credible)

- 3 points (Excellent) 2 points (Average) 1 points (Bad)

·Integrity of information (balanced positive and negative information and meets your needs on the information)

- 3 points (Excellent) 2 points (Average) 1 points (Bad)

4. Are you able to find the information you are interested in from the report with ease?

- Yes Partially No

5. What would you like to see in addition to what has been disclosed in the report?
