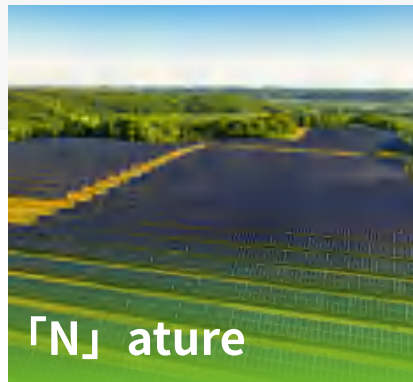


NEXT

2025 Sustainability Report

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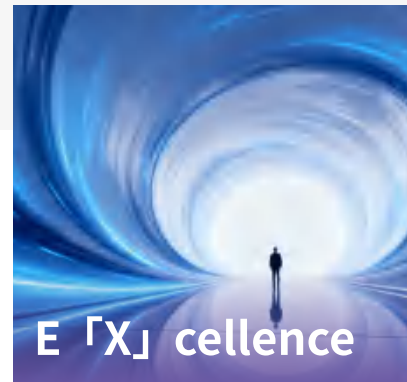
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About the Report

Introduction

2025 Sustainability Report (hereinafter referred to as "the Report") constitutes the fifth Sustainability/Environmental, Social, and Governance (ESG) Report issued by GCL System Integration Technology Co., Ltd. (hereinafter referred to as "GCL SI", "the Company", or "we"), aiming to disclose and showcase the Company's progress in sustainable commitments, practices, performance, and management to our stakeholders.

The Report is published on an annual basis. The Reporting Period is from January 1, 2025, to December 31, 2025 (hereinafter referred to as the "Reporting Period"). To reflect consistency, comparability and completeness of the key performance information, contents of the Report refer back to previous years or cover the year 2026 as appropriate.

Scope of the Report

The organizational scope of the Report encompasses GCL SI and affiliated companies. In cases where the specific data scope deviates from the Reporting scope, such distinctions will be explicitly stated in the text.

Reporting Standards and Guidelines

The Report complies with the requirements of Shenzhen Stock Exchange Self-Regulatory Guidelines No. 17 for Listed Companies of Shenzhen Stock Exchange - Sustainability Report (Pilot). In addition, the Report refers to the latest Global Sustainability Standards Committee Sustainable Development Reporting Standards (GRI Standards, hereinafter referred to as "GRI") of Global Sustainability Standards Board, the Reporting disclosure requirements of Sustainable Development Goals (SDGs) Enterprise Action Guidance, and the rating standards such as EcoVadis and CDP.

Data Sources

The data utilized in the Report originates from various sources, including the Company's internal statistical reports, financial reports, public documents, questionnaire surveys, or interviews. Financial data presented in the Report is denominated in RMB.

Description Guidelines

For ease of reference and readability, the following table presents the full names and corresponding abbreviations of affiliated companies in the Report:

Full Name of Affiliated Company	Abbreviation
Hefei GCL SI New Energy Technology Co., Ltd.	Hefei GCL SI
Funing GCL SI Technology Co., Ltd.	Funing GCL SI
Wuhu GCL SI New Energy Technology Co., Ltd.	WUHU GCL SI
GCL Green Energy System Technology Co., Ltd.	GCL Green Energy

Report Reliability Assurance

The Company and the Board of Directors (the Board) of GCL SI jointly commit that there are no false records, misleading statements, or material omissions in the content of the Report. We are fully responsible for the authenticity, accuracy, and completeness of the information contained herein. This Report was approved by the Board of Directors on April 27, 2026.

Format of Report Release

The online version of the Report is accessible on the official website of GCL SI (<https://www.gclsi.com>) and the CNINFO website (<http://www.cninfo.com.cn>).

Chairman's Message

The year 2025 marks the tenth anniversary of GCL SI. The past decade also coincides with the vigorous rise of China's new energy industry, which has profoundly reshaped the global energy landscape. Over the past decade, China's photovoltaic (PV) industry has forged ahead with relentless efforts. By virtue of technological innovation and industrial strength, China's PV industry has been injecting momentum to global energy transformation and accelerating the clean and low-carbon transition of the global energy system. As a major player, contributor, and builder in China's PV industry, GCL SI always keeps abreast with the times. Guided by a "relentless combat spirit", the Company remains devoted to the PV industry and upholds sustainability concepts. As such, we have evolved into a cornerstone of the global PV industry from a humble beginning, achieving sustained growth through steadfast actions.

Co-building a sustainable ecosystem through climate actions and carbon chain synergy

In response to global climate challenges, GCL SI has not only made decarbonization efforts in its own operations, but also has pioneered the development of the "GCL Carbon Chain" management platform that covers the entire industry chain by leveraging the advantages of GCL Group. We have extended carbon management across the upstream and downstream of the industry chain. By precisely tracking the carbon footprint throughout product lifecycle with digital tools, we encourage supply chain partners and clients to take climate actions. From green raw material procurement and low-carbon manufacturing to innovative scenario-based solutions, we implement green practices throughout the value chain. This initiative makes clean energy a solid foundation for industrial upgrading, green ecosystem and high-quality development.

Advancing innovation-driven approaches to lead technological leaps through digitalization and intelligence

Innovation is the essence of GCL SI. In the field of core PV technology, we lead industry development through consistent openness and innovation. For example, the efficiency of GPC 2.0 modules has been increased to over 27.5%. The photovoltaic conversion efficiency of GTC perovskite tandem cells has reached 33.31% as certified by authoritative institutions, ranking among the world's top tier. The Company is committed to driving industrial upgrading through technological innovation. We integrate artificial intelligence (AI) into intelligent manufacturing, quality inspection, and corporate operations. AI enables intelligent process control and empowers the entire production process

of PV modules, significantly improving production efficiency and operational management. Innovation lies in the iteration of technology. More importantly, it symbolizes the restructuring of system capabilities. Therefore, innovation endows GCL SI with core competitiveness and enduring momentum for fundamental business development.

Strengthening responsible governance for a brighter future

Governance serves as a bedrock for an enterprise's steady and sustained progress. Adhering to the culture of "identification, responsibility, and integration", GCL SI profoundly practices ESG philosophy in corporate governance. We enhance the diversity and professionalism of the Board, strengthen risk management and operational compliance, increase commercial trust through transparent communication, and shoulder responsibilities to meet stakeholders' expectations. The Company ensures robust development with efficient governance. While creating economic value, we fulfill social responsibilities for long-term benefits of both the Company and society.

A decade of dedicated efforts have culminated in success. At a new stage that bridges past achievements with future endeavors, GCL SI strives for a new journey with a combat spirit. By virtue of innovation and high-quality development, we participate in and contribute to the global transition toward clean energy. We join hands to foster an open and inclusive industrial ecosystem, thus dedicating ourselves to a clean, low-carbon, safe, and efficient global energy system.

Chairman of GCL SI
Zhu Yufeng



About GCL SI

Company Overview

GCL System Integration Technology Co., Ltd. (002506.SZ) is one of the four listed companies under GCL Group. Adhering to the concept of "bringing green power to life", we deeply integrate the defining trend of green and low-carbon development with our long-standing expertise in the renewable energy sector. Under the strategic guidance of "Technological, Digital, and Green GCL SI", we uphold the "combat spirit" to advance sustainable development. The Company strives to become a globally leading provider of energy system solutions. We are primarily engaged in the R&D, design, production, sales and one-stop services of high-efficiency PV cells and differentiated modules, power station EPC (Engineering, Procurement and Construction), integrated energy storage systems and related products. The Company adheres to the concept of "technology leading and innovation-driven", consistently pursuing a strategic path of high-quality, efficient, and differentiated product technologies. Building on GCL Group's global brand influence, we actively expand global market presence to achieve long-term sustainable growth.

The year 2025 marks the tenth anniversary of GCL SI's IPO. Since completing restructuring and renaming for IPO in 2015, the Company has evolved from a PV system integrator into a globally leading manufacturer of high-efficiency modules and provider of green energy solutions. Over the past decade, GCL SI has steadfastly upheld sustainability principles and driven the integration of technological innovation with ESG practices. By expanding presence in cutting-edge fields such as TOPCon, BC, and perovskite tandem modules, the Company has been fueling the global energy transition. Embarking on a new journey, the Company will stick to the "NEXT" strategy and pursue high-quality, low-carbon, and intelligent development to inject robust momentum into the global green energy transition.

Corporate Culture

Empower green development
and continuously create value

Lead with Values, Power with
Innovation, Excel through
Dedication, Unite as One



Become a leading global
provider of energy system
solutions

Entrepreneurship,
Innovation, Competi-
tion, Transcendence

Concise, Efficient, Disciplined, Dynamic



10-Year Milestones of IPO

2015

- After officially changing name from "Shanghai Chaori Solar Energy Science & Technology Co., Ltd." to "GCL System Integration Technology Co., Ltd.", the Company entered a new phase dedicated to PV system integration.

2016

- The Company initiated the "PV+" strategy, expanding into distributed PV facilities, energy storage, and energy internet services.

2017

- The Company unveiled the "Smart Energy Integrated Solutions" strategy, strengthening its capabilities in EPC (Engineering, Procurement and Construction) and system integration.
- The Company's module shipments ranked among the top ten globally.

2018

- The Company released high-efficiency "shingled" module technology, improving product power density.

2019

- The Company intensified R&D efforts in heterojunction (HJT) cell technology and established a pilot production line.

2020

- The Company announced a comprehensive shift toward large-size (182/210mm) silicon wafer module technology.

2021

- Hefei GCL SI launched full-scale construction of 60GW high-efficiency module production base, laying a solid foundation for capacity expansion.

2022

- The Company achieved mass production of TOPCon high-efficiency modules, with an efficiency over 22.5%.
- The Company initiated collaborative R&D on perovskite tandem technology, positioning itself in next-generation PV technology.

2023

- The intelligent cell manufacturing base of Wuhu GCL SI commenced operations, focusing on the integrated production of high-efficiency TOPCon cells and modules.
- The Company released the "NEXT" sustainable development strategy and joined the United Nations Global Compact (UNGC).

2024

- The Company's module shipments ranked among the top eight globally, with a high-efficiency production capacity of over 30 GW.
- The Company launched the "GCL Carbon Chain" carbon footprint management platform.

2025

- Through efficient coordination among three major production bases, the Company achieved a production capacity of 30GW for modules and 16GW for TOPCon cells.
- The Company witnessed a breakthrough in mass production for BC cells, as well as batch delivery for GPC2.0 modules with the power of 660W.

2015 ~ 2025

Corporate Culture Compilation on the 10th IPO Anniversary



GCL SI values the guiding role of corporate culture. Upon the 10th IPO anniversary, the Company reviewed its cultural practices in a structured manner, successively releasing the Compilation of Combat Culture Practices and the Compilation of Combat Figures: Exemplary Strength. These collections embody the culture of "relentless combat spirit" and highlight GCL SI's cultural essence and organizational cohesion featuring hardworking and pragmatic action.



A Series of Themed Activities for the 10th IPO Anniversary Themed "Light from Solar Power"



In 2025, GCL SI launched a series of themed activities for the 10th IPO anniversary themed "Light from Solar Power". By organizing the photography exhibition themed "A Decade in a Flash: Brilliant Moments", the Company comprehensively showcased key achievements in low-carbon manufacturing, intelligent production, talent development, and global presence. Meanwhile, the Company carried out diverse cultural projects such as the exhibition of green achievements themed "Carbon Ledger of Gathering Light". These initiatives highlighted GCL SI's firm commitment over the past decade to promoting green energy and responsibility in driving high-quality development. These efforts also helped foster transparent communication and collaborative value creation.



2025 Sustainability Performance

<p>EcoVadis Sustainability Silver Medal (Top 15% globally, Top 7% in industry)</p> <p>EcoVadis</p>	<p>AA Grade</p> <p>Wind</p>	<p>A Grade in 2024 Supplier Engagement Rating B Grade in 2025 CDP Climate Change Questionnaire B Grade in 2025 CDP Water Security Questionnaire</p> <p>Global Climate Disclosure Platform (CDP)</p>
<p>2024-2025 Forbes China Sustainable Development Industrial Enterprises</p> <p>Forbes China</p>	<p>ESG Golden Bull Award Top 100</p> <p>China Securities Journal</p>	<p>2025 Excellence in Sustainable Development Practice Case</p> <p>China Association for Public Companies</p>
<p>Golden Tangerine Awards of Time Finance - Sustainable Development Listed Company Award</p> <p>Times Finance</p>	<p>2025 Excellence in ESG Practice Case</p> <p>China Times</p>	<p>2025 ESG Value Communication Award for Listed Companies 2025 Excellence in Investor Relations Development Award for Listed Companies 2025 Best Practice Award for Digital Innovation in the Board Office</p> <p>Easy Board</p>

Economic

Revenue

RMB **15,343.26** million

Renewable energy-related revenue as a percentage of total revenue

100%

R&D investment

RMB **149.52** million

「N」ature

Electricity consumption per unit of output

25.73 MWh/MW

Water consumption per unit of output

19.22 Tonnes/MW

General industrial solid waste recycling rate

99.69%

GHG emissions per unit of output (market-based)

4.20 tCO₂e/MW

Hefei GCL SI, Funing GCL SI, and Wuhu GCL SI have all obtained the ISO 14001 Environmental Management System Certification, covering **100%** of the PV module-related production bases.

Hefei GCL SI, Funing GCL SI, and Wuhu GCL SI have all obtained the ISO 50001 Energy Management System Certification, covering **100%** of the PV module-related production bases.

「E」quity

Number of employees

4,761

Number of ethnic minority employees

150

Average training hours per employee

36.63 hours

Proportion of new suppliers obtained Environmental Management System Certification

75.00%

Proportion of new suppliers obtained Quality Management System Certification

84.38%

Hefei GCL SI, Funing GCL SI, and Wuhu GCL SI have all obtained the ISO 45001 Occupational Health and Safety Management System Certification, covering **100%** of the PV module-related production bases.

Hefei GCL SI, Funing GCL SI and Wuhu GCL SI have obtained the SA8000 Social Accountability Certification.

「X」cellence

Cumulative number of patents authorized

826

Number of R&D personnel

293

Number of product recall incidents

0

Customer satisfaction score

99.8

The Company's IT infrastructure and information systems have all obtained the ISO 27001 certification.

「T」rust

Coverage rate of anti-corruption training

100%

Coverage rate of business ethics training

100%

Coverage rate of business ethics audit

100%



















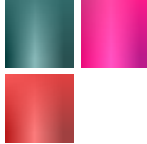

Sustainability Strategy and Governance







Sustainability Strategy

As a green energy solution provider, GCL SI utilizes the power of digital technology to implement the guiding principle of "Carbon Emissions Reduction with Technologies". While advancing its own green development, the Company empowers decarbonization across the value chain through innovative technologies, thus contributing GCL SI's expertise to the global clean energy transition and a net-zero future. As such, we implement the "NEXT" strategy to embrace a low-carbon, inclusive, trustworthy, and sustainable world.

With a vision of "building a PV ecosystem with adhering to sustainability in both business development and social development", we steadfastly pursue the "NEXT" sustainable development strategy, uphold the Ten Principles of the UNGC covering human rights, labor, environment, and anti-corruption. Building on our four strategic pillars of "Nature, Equity, EXcellence, and Trust", we have achieved progress in 25 key issues and strategic targets by means of pragmatic management and practices.








Strategic Pillar	Key Issue	Contribution to SDGs	Strategic Target	Progress in 2025
 Nature	Responding to Climate Change	 	<ul style="list-style-type: none"> We actively respond to the national Carbon Peak and Neutrality targets, initiate our own "zero-carbon" strategy, and commit to reducing carbon emissions across internal operations and the value chain. We commit to actively conducting carbon chain traceability and carbon footprint evaluation certification for our products, completing full-chain carbon footprint tracing. Scope 1 & 2: Reduce absolute emissions by 63% by 2035 compared to 2024. Scope 3: Reduce carbon emissions from purchased goods and services per unit of output by 67.33% by 2035 compared to 2024. Reduce average product carbon footprint by 5% year-on-year from 2024 to 2030. By 2030 at least, use the GCL Carbon Chain platform to provide customers with all required product carbon footprint information. 	<ul style="list-style-type: none"> In 2025, the absolute emissions of Scope 1 and Scope 2 decreased by 48.10% compared with 2024. In 2025, emissions from purchased goods and services per unit of output increased by 1.6% compared with 2024. In 2025, the average product carbon footprint is 337.4 kg CO₂e/kW, a 14.5% decrease compared to 2024. In 2025, the product carbon footprint coverage rate reaches 62.50%.
	Energy Management and Renewable Energy Utilization	 	<ul style="list-style-type: none"> Reduce electricity consumption per unit of product by 5% year-on-year from 2024 to 2030. 	<ul style="list-style-type: none"> In 2025, the electricity consumption per unit of product decreased by 7.1% compared with 2024.
	Environmental Compliance Management	 	<ul style="list-style-type: none"> We commit to strictly complying with local environmental protection laws and regulations, actively implementing environmental protection measures, and reducing the impact of our operations on the environment. 	<ul style="list-style-type: none"> In 2025, GCL SI reported none of incidents of excessive discharge.
	Ecosystem and Biodiversity Conservation	 	<ul style="list-style-type: none"> We commit to reducing direct pressure on biodiversity and promoting sustainable use of natural resources. 	<ul style="list-style-type: none"> In 2025, Funing GCL SI donated RMB 300,000 to the Yancheng Yellow Sea Wetland Natural Heritage Protection Foundation for wetland restoration, biodiversity conservation, and environmental education.

Strategic Pillar	Key Issue	Contribution to SDGs	Strategic Target	Progress in 2025
 Nature	Water Stewardship		<ul style="list-style-type: none"> We commit to maximizing water-saving strategies and enhancing water recycling throughout the production process. Reduce water consumption per unit of output by 8% by 2030 compared to 2024. 	<ul style="list-style-type: none"> In 2025, we reduced water consumption per unit of output by 23.5% compared to the base year.
	Waste Management		<ul style="list-style-type: none"> We commit to strictly complying with relevant laws and regulations, implementing full-process supervision of general solid and hazardous waste, and increasing the comprehensive utilization rate of waste. Reduce waste generation per unit of output by 30% by 2030 compared to 2023. 	<ul style="list-style-type: none"> In 2025, we reduced waste generation per unit of output by 31% compared to the base year.
	Circular Economy		<ul style="list-style-type: none"> We commit to vigorously developing a circular economy, exploring high-value recycling pathways for "retired" PV modules, and promoting the implementation of reutilization and recycling projects for waste modules. Achieve a 100% recycling rate for solar cell packaging materials by 2030. 	<ul style="list-style-type: none"> In 2025, we achieved a 61.49% recycling rate for solar cell packaging materials.
	Pollutant & Emissions Management		<ul style="list-style-type: none"> We commit to strictly implementing national and local air pollution prevention and control standards, using advanced treatment processes, facilities, and optimized production technologies to reduce emissions. 	<ul style="list-style-type: none"> In 2025, GCL SI reported none of incidents of excessive discharge.
 Equity	Labor Rights Protection		<ul style="list-style-type: none"> We commit to establishing constructive relationships with employees and trade union representatives, respecting employees' rights to engage in or refrain from collective bargaining in accordance with local laws. We commit to ensuring all employees receive adequate wages, reasonable working hours, and benefits, providing them with good working conditions. We commit to not using or tolerating child labor, forced labor, debt bondage, contract slavery, involuntary prison labor, slave labor, or human trafficking in our business and supply chain operations. We commit to respecting the land rights of local communities in our areas of operation. We commit to protecting employee rights and strive to improve employee satisfaction. In 2025, we achieved 100% of employees covered by collective bargaining agreements. Maintain 100% of full-time employees in Mainland China with social insurance at least until 2030. Maintain competitive salaries for all employees at least until 2030. Achieve external audits covering all production bases for child labor and forced labor issues by 2028. 	<ul style="list-style-type: none"> In 2025, we achieved 100% of employees covered by collective bargaining agreements. In 2025, we achieved 100% of employees in the Chinese mainland covered by social insurance. In 2025, we conducted an internal salary competitiveness assessment covering all employees to ensure market-competitive compensation. In 2025, external audits covering all production bases (including issues of child labor and forced labor) were successfully passed.
	Diversity, Equity and Inclusion		<ul style="list-style-type: none"> We commit to treating all employees equally, fairly, and with respect. We commit to respecting and caring for female employees, valuing their development, and eliminating all forms of discrimination and harassment. Maintain diversity, anti-discrimination, and anti-harassment awareness training covering all employees annually until 2030. 	<ul style="list-style-type: none"> In 2025, we organized diversity, anti-discrimination, and anti-harassment awareness training covering all employees.
	Occupational Health and Safety		<ul style="list-style-type: none"> We commit to providing a safe and healthy working environment for all employees, contractors, and partners, and to continuously improving safety management levels. Maintain zero incidents of fire, explosion, work-related fatality, and occupational diseases at least until 2030. 	<ul style="list-style-type: none"> In 2025, the Company recorded zero incidents of fire, explosion, work-related fatality and occupational diseases.

Strategic Pillar	Key Issue	Contribution to SDGs	Strategic Target	Progress in 2025
Equity	Employee Training and Development		<ul style="list-style-type: none"> We commit to supporting employee career development through sufficient training. Increase average training hours per employee by 20% by 2030, based on 2024 levels. 	<ul style="list-style-type: none"> In 2025, the average training hours per employee increased 93.3% compared with 2024.
	Responsible Supply Chain		<ul style="list-style-type: none"> We commit to prioritizing suppliers with robust environmental and labor and human rights management systems, under equal conditions. We commit to not intentionally purchasing or supplying products containing conflict minerals. Maintain 100% of procurement team members trained on supply chain environmental, labor, and human rights issues at least until 2030. Achieve 100% conflict minerals audit for suppliers of 3TG materials by 2025. Achieve 100% signing rate of the Code of Conduct for Business Partners and integrity commitment clauses by suppliers by 2025. Achieve 100% ESG audit coverage for core suppliers by 2026. Achieve 100% third-party ESG audit coverage for core suppliers by 2028. Maintain 100% participation of core suppliers in ESG capacity-building at least until 2030. 	<ul style="list-style-type: none"> In 2025, we achieved 100% of procurement team members trained on supply chain environmental, labor, and human rights issues. In 2025, we achieved 100% conflict minerals audit for suppliers of 3TG materials. In 2025, we achieved 95%¹ signing rate of the Code of Conduct for Business Partners and 100% signing rate of integrity commitment clauses by suppliers. In 2025, we achieved 94% ESG audit coverage for core suppliers and 20% third-party ESG audit coverage for core suppliers. In 2025, we achieved 100% participation of core suppliers in ESG capacity-building.
	Equal Treatment of SMEs		<ul style="list-style-type: none"> We commit to adhering to the principles of fairness and justice, providing equal cooperation opportunities for all partners, especially SMEs. 	<ul style="list-style-type: none"> In 2025, the Company experienced no incidents of overdue payment to SMEs.
	Community Contribution		<ul style="list-style-type: none"> Conduct at least four employee volunteer services annually at least until 2030. 	<ul style="list-style-type: none"> In 2025, we conducted 5 employee volunteer service activities.
	Rural Revitalization		<ul style="list-style-type: none"> We commit to actively responding to the national call for rural revitalization, consolidating and expanding the results of poverty alleviation, providing clean energy to impoverished areas, and promoting local green economic development and rural revitalization. 	<ul style="list-style-type: none"> In 2025, the Company carried out multiple agricultural support initiatives, helping farmers increase income and achieve prosperity.
EXcellence	Innovation-Driven Development		<ul style="list-style-type: none"> Increase R&D investment by 20% by 2028, based on 2024 levels. 	<ul style="list-style-type: none"> In 2025, the R&D investment decreased 28.9%² compared with 2024.
	Customer Service		<ul style="list-style-type: none"> Maintain customer satisfaction above 97 points annually at least until 2030. 	<ul style="list-style-type: none"> In 2025, the customer satisfaction score reached 99.8.

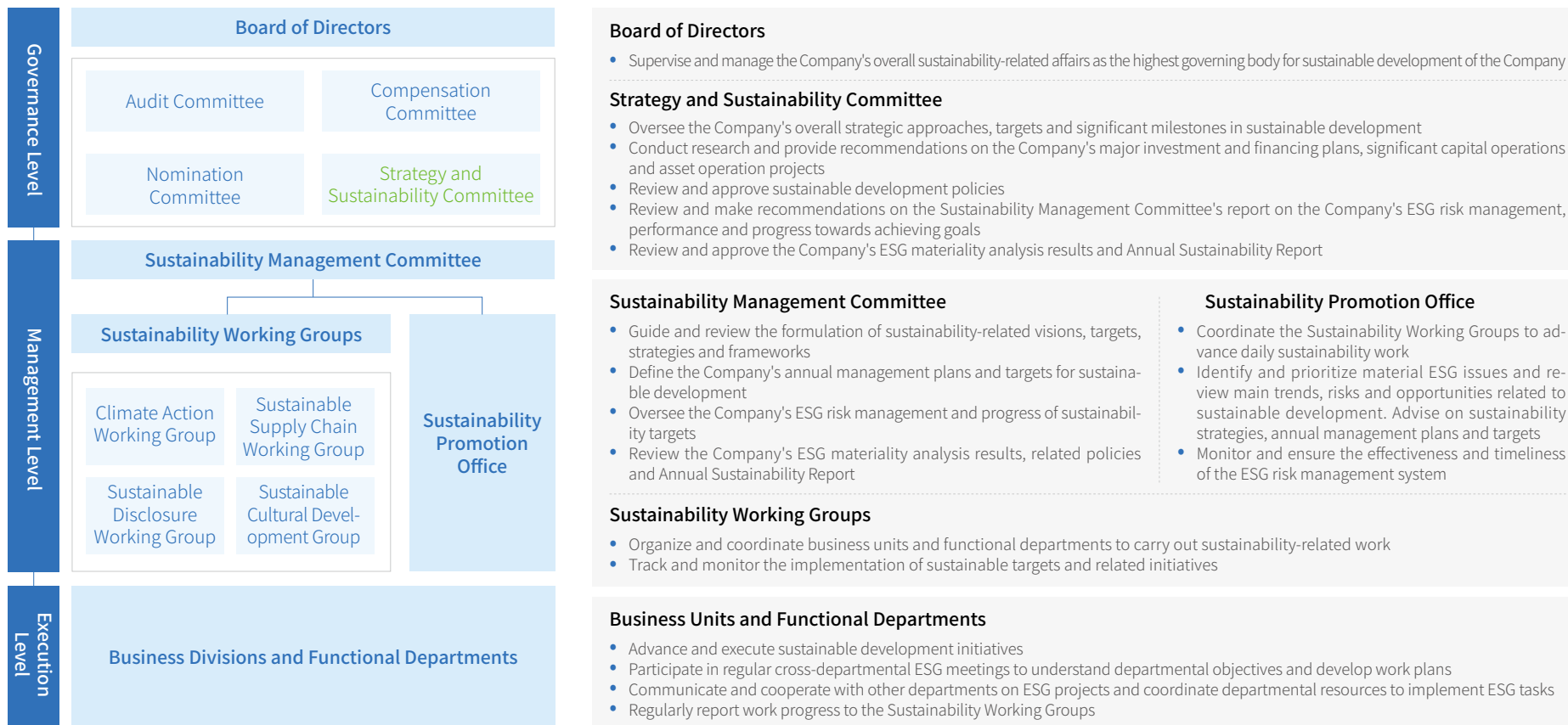
¹The Company requires all suppliers to sign the Code of Conduct for Business Partners. Some existing suppliers have not signed the agreement due to their own reasons. The Company has already communicated the requirements of the Code of Conduct for Business Partners to these non-signing suppliers and has implemented strict standards for their ESG management.

² The decline in R&D investment is mainly due to lower material usage.

Strategic Pillar	Key Issue	Contribution to SDGs	Strategic Target	Progress in 2025
EXcellence	Product Safety and Quality		<ul style="list-style-type: none"> We commit to continuously improving product quality and providing outstanding products to customers. We commit to strengthening the control of hazardous substances in the design and production of PV modules. Maintain zero product recalls annually at least until 2030. 	<ul style="list-style-type: none"> In 2025, we maintained zero product recalls.
	Industry Collaboration and Exchange		<ul style="list-style-type: none"> We commit to actively engaging in various industry collaborations and exchanges, leveraging our strengths to work with upstream and downstream partners in the industrial chain to jointly promote innovation and global energy transition in the PV industry. 	<ul style="list-style-type: none"> In 2025, the Company established strategic collaborations with numerous domestic and international partners and joined the Global Solar Sustainable Alliance.
	Data Security and Privacy Protection		<ul style="list-style-type: none"> We commit to responsibly managing confidential information and reducing information security risks for the Company. Conduct IT security risk assessments across all operations by 2030. Achieve ISO 27001 certification for all IT infrastructure and information systems by 2027. 	<ul style="list-style-type: none"> In 2025, we conducted IT security risk assessments across all operations. In 2025, we achieved ISO 27001 certification for all IT infrastructure and information systems.
Trust	Corporate Governance		<ul style="list-style-type: none"> We commit to continuously optimizing the corporate governance structure and improving governance levels based on the principles of integrity, transparency, and standardization. 	<ul style="list-style-type: none"> In 2025, the Company refined the governance structure and enhanced transparency management for steady progress in governance performance.
	Compliance and Risk Management		<ul style="list-style-type: none"> We commit to establishing a comprehensive compliance management system and internal control mechanisms to ensure the standardized operation of all business activities. Maintain 100% internal audit coverage for all business entities and subsidiaries every two years at least by 2030. Maintain a problem rectification completion rate of over 95% at internal audits at least by 2030. Ensure that annual training on conflicts of interest, anti-fraud, anti-money laundering, and anti-unfair competition topics covers all employees at least by 2030. 	<ul style="list-style-type: none"> From 2024 to 2025, we achieved 100% internal audit coverage for all business entities and subsidiaries. In 2025, we achieved a problem rectification completion rate of 100% at internal audits. In 2025, we conducted training on conflicts of interest, anti-fraud, anti-money laundering, and anti-unfair competition topics for all employees.
	Anti-Unfair Competition		<ul style="list-style-type: none"> We commit to fully implementing principles of integrity in business operations, respecting rules of fair competition, and condemning any actions that seek illegal profits. 	<ul style="list-style-type: none"> In 2025, the Company witnessed no litigation regarding unfair competition.
	Anti-Bribery and Anti-Corruption		<ul style="list-style-type: none"> We commit to firmly opposing corrupt practices, strictly complying with all anti-corruption laws and regulations applicable to the Company, and regularly conducting internal anti-corruption audits and inspections. Conduct at least one corruption risk assessment covering all locations annually at least by 2030. Maintain all employees signing the Integrity Commitment Letter at least by 2030. 	<ul style="list-style-type: none"> In 2025, the Company conducted one corruption risk assessment covering all locations. In 2025, all employees signed the Integrity Commitment Letter.

Sustainability Governance

Integrating sustainability concepts into corporate governance, GCL SI has established a three-tier sustainability management structure comprising governance, management, and execution levels. The Company has established a Strategy and Sustainability Committee under the Board of Directors, which is responsible for overseeing the Company's overall sustainable and climate strategies, target-setting, and related significant matters. Under the Committee, the Company has also established the Sustainability Management Committee, the Sustainability Working Groups and the Sustainability Promotion Office at the management level. The Company's business units and functional departments operate at the executive level, holding responsibility for the precise execution of ESG matters and the attainment of associated goals. These practices help the sustainability strategy function well at the operational level.








The Company has established a robust due diligence mechanism to identify, assess, and effectively address potential sustainability risks in its business operations. The ESG risk due diligence is led by the Board, coordinated by the Strategy and Sustainability Committee, and executed by the Risk Control Department and relevant functional departments. The scope covers core areas of sustainability, including environmental compliance, carbon emission management, product quality, employee rights, and business ethics. The results of the due diligence are reported to the Board, the Strategy and Sustainability Committee, and relevant stakeholders. In 2025, based on the ESG management system, we concentrated efforts on developing measures in supply chain management, information security, and other areas to safeguard the Company's stable operation.

We continue to optimize our ESG governance and regularly review our ESG performance. Moreover, we monitor the progress of ESG targets and the implementation of initiatives in key areas such as climate change, energy management and renewable energy utilization, water management, human capital development, occupational health and safety, anti-corruption and anti-bribery, and responsible supply chain management. We phase in the integration of key ESG performance indicators into remuneration assessment, thus motivating the management and employees to advance ESG efforts.

Stakeholder Communication

GCL SI places great importance on the expectations and demands of stakeholders, viewing them as a crucial driver to on-going improvement. The Company has identified 11 types of stakeholders. Among them, employees, customers, suppliers, shareholders, investors, governments and regulators constituted our key stakeholders. The Company has established transparent and open routine communication mechanisms to promptly understand and respond to the concerns and expectations of stakeholders.

Engagement with Key Stakeholders and Our Responses

Key Stakeholders	Issues of Concern	Responses and Actions
 Employees	<ul style="list-style-type: none"> • Labor rights protection • Diversity, equity and inclusion 	<ul style="list-style-type: none"> • Occupational health and safety • Employee training and development • Trade union/employee representative congresses • Employee training • Employee activities • Labor contracts • Employee benefits • Employee grievance
 Customers	<ul style="list-style-type: none"> • Product safety and quality • Innovation-driven development • Energy management and renewable energy utilization 	<ul style="list-style-type: none"> • Customer service • Data security and privacy protection • Responding to climate change • Business cooperation • Customer service • Customer satisfaction surveys • Customers' complaints and feedback
 Suppliers	<ul style="list-style-type: none"> • Responsible supply chain • Compliance and risk management • Innovation-driven development 	<ul style="list-style-type: none"> • Equal treatment of SMEs • Circular economy • Supplier empowerment • Supplier assessment • Green supply chain • Cooperation and collaboration • Daily communication • Whistleblower mechanism
 Shareholders and investors	<ul style="list-style-type: none"> • Innovation-driven development • Corporate governance 	<ul style="list-style-type: none"> • Compliance and risk management • Responding to climate change • Annual reports, financial statements and announcements • General meeting, performance briefings and roadshows • Investor survey • Investor interaction platforms and email channels
 Governments and regulators	<ul style="list-style-type: none"> • Corporate governance • Compliance and risk management • Anti-bribery and anti-corruption • Anti-unfair competition • Responding to climate change 	<ul style="list-style-type: none"> • Environmental compliance management • Rural revitalization • Community contribution • Ecosystem and biodiversity conservation • Pollutant & emissions management • Surveys, monitoring and inspections • Symposiums • Information disclosure • Compliance operation

In 2025, in accordance with the requirements of the Shenzhen Stock Exchange's Guidelines for Sustainability Reporting, the Company conducted a dual materiality assessment, evaluating the significance of issues from both impact materiality and financial materiality perspectives. Our dual materiality assessment process is as follows:

Identification

Aligned with the 21 issues specified in the Shenzhen Stock Exchange's "Guidelines for Sustainability Reporting", we assessed and formed a list of 25 ESG issues. This was based on global sustainability standards and frameworks (such as GRI and the UN Sustainable Development Goals), international rating industry-related issues, stakeholder views and insights, peer benchmarking of sustainability performance, and analysis of current ESG trends and industry developments, while also considering the Company's business model.

Survey

Impact materiality survey questionnaires were distributed to stakeholders, including employees, customers, suppliers, and government regulatory authorities. Financial materiality survey questionnaires were distributed to the Company's management personnel. Group discussions were conducted with senior management and the Sustainability Working Group to assess the financial impact of each issue.

Prioritization

We conducted data analysis and statistics on the survey results, ranking the significance of each ESG issue from both impact materiality and financial materiality dimensions.

Validation

The survey results were reviewed and validated by the Strategy and Sustainability Committee under the Board and external experts, ultimately forming the GCL SI Dual-Material Issues Matrix.

Upon assessment, we identified a total of five material issues that possessed financial materiality, namely product safety and quality, responding to climate change, innovation-driven development, energy management and renewable energy utilization, and responsible supply chain. Three of these issues were deemed to have both impact materiality and financial materiality, including product safety and quality, responding to climate change, and innovation-driven development. All material issues identified as significant are addressed in this Report.



➤ GCL SI Dual-Material Issues Matrix

Annual Feature

AI Empowerment

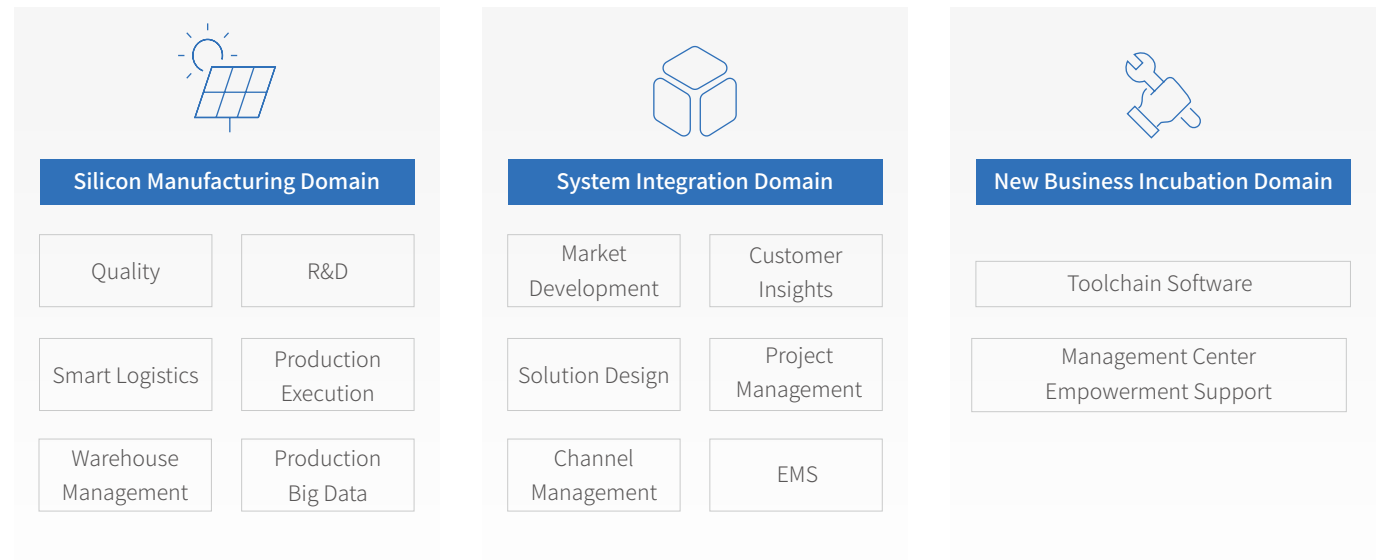
for an Intelligent and Innovative Future

In the new era of digital transformation and green low-carbon development, the Company adheres to the core strategy of "Technological, Digital, and Green GCL SI" to embrace Artificial Intelligence (AI) and other technological trends and regard them as a core engine for high-quality development. By actively applying AI technologies across all scenarios of production, operation and management, the Company aims to achieve efficiency breakthroughs and enhance management effectiveness by means of technological innovation. In this way, we set a benchmark for AI empowerment in the PV industry. Drawing upon the comprehensive capabilities in innovation, we strive to sharpen global market competitiveness and create sustainable value for customers.

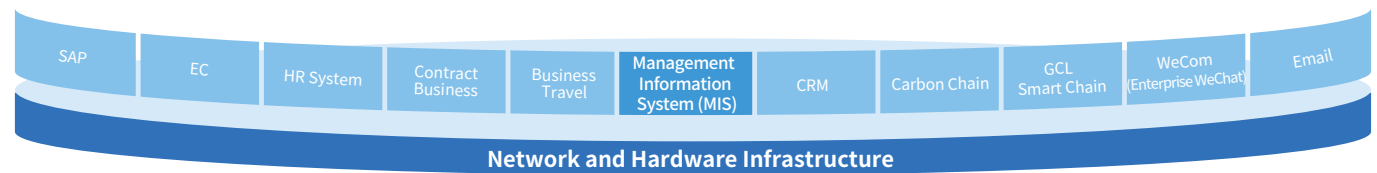


Focusing on Advanced AI Technologies under the Digitalization Strategy

GCL SI, guided by the strategic orientation of "Industry 4.0 Intelligent Manufacturing + Green and Low-Carbon", has coordinated intelligent and green manufacturing from all aspects. Under this framework, the Company deeply integrates AI technologies to build a digital strategy system supported by a comprehensive business data governance platform and an AI technology platform. We prioritize production efficiency enhancement and function improvement, push forward the R&D and application of cutting-edge AI technologies, and transform AI technologies from an auxiliary application into a core driver. By doing so, we work to establish a global benchmark for intelligent manufacturing in the PV industry.



Enterprise-level Data Governance Platform + AI Technology Platform



➤ GCL SI Digital Strategy System

Establishing a Benchmark for Intelligent Manufacturing for AI-Enabled Production Efficiency Enhancement

Leveraging the expertise in PV production, GCL SI integrates advanced AI technologies with manufacturing techniques to eliminate bottlenecks in traditional production methods. This enables an intelligent, precise, and efficient transformation of production processes, thus solidifying the core competitiveness in intelligent manufacturing.

AI Solutions to Challenges in Cell Inspection

Wuhu GCL SI focuses on solving challenges in battery cell inspection by implementing AI-empowered image classification technology for batteries. This technology employs a lightweight AI detection model capable of accurately identifying 13 common defects in electroluminescence (EL) images of PV cells, such as cracks, star cracks, and broken gridlines. Its detection accuracy reaches industry-leading standards. Additionally, the technology significantly reduces model parameters and computational requirements, and is easier to deploy in embedded production equipment. This addresses industry-wide pain points of traditional EL defect detection, such as low efficiency, high false detection rate, and heavy reliance on professionals. As a result, this technology enables rapid, non-destructive, and precise detection of cell defects.

In the meantime, Wuhu GCL SI has implemented a precise classification technology for defective PV cells. By running AI algorithms, this technology accurately grades and categorizes identified defective cells, significantly reducing labor costs and providing data support for subsequent recycling. This initiative substantially enhances production resource utilization.

AI-Enabled Intelligent Process Control

Wuhu GCL SI has pioneered the large-scale implementation of an AI-enabled intelligent process control system in the PV industry, establishing a benchmark for high-precision AI-driven intelligent manufacturing for TOPCon cells. Based on the in-house TopCon-MoE-7B industrial large model, the project combines multiple algorithms to achieve millisecond-level closed-loop control of core processes such as boron diffusion, phosphorus diffusion, and LPCVD. This approach enhances control precision by 10% and reduces response time to within 1.8 seconds. This solution significantly lowers manual reliance and energy consumption, minimizes resource waste due to process variability, and raises product yield and energy efficiency. Built on an advanced framework that combines data-driven approaches with integrated mechanisms, we speed up intelligent manufacturing upgrades.

The PV Module Production Process Empowered by AI Visual Inspection

Hefei GCL SI has developed an AI visual inspection system for key processes throughout PV module production, including raw material entry, encapsulation, testing, and finished product shipment. This system applies AI visual inspection technology to intelligently analyze appearance and performance data of modules during production and accurately identify various defects, so as to realize comprehensive, full-process defect inspection for modules. Compared with traditional manual inspection, the AI-empowered system has improved inspection efficiency by multiple times and significantly reduced false positives and missed detections. Specifically, the ratio of defective products decreased by 17%, and the process quality inspection efficiency increased by 73%. Moreover, the AI visual inspection system drives the intelligent upgrading in module production and guarantees the stability of product quality.

Enhancing Management Efficiency Through R&D of AI Tools

GCL SI has expanded the application of AI technology into functional management. By independently developing multiple AI-powered tools, we have shifted functional management from "traditional and manual" to "efficient and intelligent". This initiative significantly elevates the productivity of functional departments and improves management effectiveness and service quality at the same time.

Management Efficiency Enhanced by AI Technology

Hefei GCL SI has enhanced management efficiency through AI technology from all aspects. The in-house financial invoice review robot enables intelligent end-to-end invoice verification through image recognition and natural language processing, which helps improve efficiency and reduce errors. In addition, Hefei GCL SI has developed a process intelligence agent that integrates production data from multiple sources. By virtue of machine learning, the framework monitors, alerts, and optimizes process parameters in real time, and measures capacity bottlenecks to allow for efficient resource allocation. Furthermore, Hefei GCL SI has established a comprehensive AI knowledge base for R&D, production, sales, and other functions. This base breaks down information barriers, facilitates cross-departmental collaboration, improves order review efficiency by 85%, shortens processing cycles, and reduces communication costs. Intelligent AI application contributes to lean management. While reducing costs, enhancing efficiency, and lowering resource consumption and operational risk, AI application continuously improves corporate operational efficiency.

Creating a Green and Intelligent Future with Relentless AI-Related Efforts

Thanks to advanced practices in AI empowerment and digital transformation, the Company has received high acclaim from the industry and government authorities. In 2025, Wuhu GCL SI gained approval for three software copyrights, was recognized as an Intelligent Factory at the Fundamental Level in Wuhu City, and received the China Outstanding Application of Intelligent Manufacturing Award. Funing GCL SI was honored as an "Advanced Intelligent Factory in Jiangsu Province in 2025" and included in the 2025 5G Factory Directory at the national level. Hefei GCL SI and Funing GCL SI obtained the Integration of Informatization and Industrialization Management System Certificate. As many bases have earned numerous authoritative digital awards and certifications, the Company secures a leading position in AI application and smart manufacturing within the industry. As such, we provide practical and replicable experience worth learning for the digital transformation in the PV industry.

By pioneering digital strategic practices and employing cutting-edge AI applications at production and functional scenarios, GCL SI consistently treats AI technology as a core driving force. We take intelligent and innovative actions to fuel the Company's high-quality and sustainable development. Looking forward, GCL SI will delve into the R&D and scenario-based application of cutting-edge AI technology. We strive to deepen AI integration with production, management, and low-carbon development, expand AI application, and strengthen technological innovation and the commercialization of innovation outcomes. In this way, we aim to drive the transition and upgrading of the PV industry through intelligent and innovative efforts.



Integration of Informatization and Industrialization Management System Certificate of Hefei GCL SI

Leading in Low Carbon

to Jointly Build a Green Ecosystem

As a global leader in providing energy system solutions, GCL SI is inherently low carbon. By building a digital carbon management platform, collaborating with upstream and downstream stakeholders across the industry chain, working with global partners, and consolidating internal strength, the Company has established a low-carbon ecosystem in an all-round manner, so as to facilitate carbon neutrality worldwide.

Upgrading the GCL Carbon Chain from 1.0 to 3.0 as a Foundation for Digital Carbon Management

To deepen digital and low-carbon operations, GCL SI has developed the world's first PV industry carbon chain management platform based on granular silicon technology, blockchain technology, and digital intelligence. By iterating the GCL Carbon Chain through the phased upgrade from versions 1.0 to 3.0, we have established a credible carbon management system throughout the chain, thus providing core technical support for the low-carbon ecosystem.

GCL Carbon Chain 1.0

GCL Carbon Chain 1.0, unveiled in 2024, enabled internal carbon traceability for key materials throughout the PV industry chain. With the platform, we established a fundamental framework for carbon data collection and accounting, developed carbon footprint models that were verified by third parties for all six levels of silicon-based PV industry chain products, and achieved full traceability during manufacturing. Therefore, GCL Carbon Chain 1.0 laid a robust foundation for management upgrades.

GCL Carbon Chain 3.0

GCL Carbon Chain 3.0 has been upgraded for open collaboration. Jointly initiated through the agreement between GCL SI and Ant Digital, this iteration has gained application beyond the Company to build an open, collaborative ecosystem for full-chain carbon services. Core upgrades for GCL Carbon Chain 3.0 revolve around four key dimensions, extending the lifecycle assessment boundary from "cradle to gate" to "cradle to grave". We deepen collaborative carbon footprint tracking across the supply chain, integrate green certificate services to enable online trading of green electricity, and strengthen ESG digital management and dynamic online certification. By reducing product and organizational carbon emissions through intelligent AI tools, we optimize decarbonization pathways and cooperate with more partners to foster a low-carbon ecosystem.

GCL Carbon Chain 2.0

GCL Carbon Chain 2.0 witnessed wider application in decarbonization approaches and green supply chain management. We added carbon footprint models for key component materials such as glass and aluminum frames to the platform. During the 2.0 period, we also introduced enterprise-wide dynamic carbon accounting feature and the employee carbon incentive platform called Carbon Planet. These practices helped realize visual management of organizational and individual carbon emissions, extending carbon management from the organization to employees and refining the low-carbon management system.



Collaborating with Global Partners to Strengthen Low-Carbon Cooperation

GCL SI actively communicates with global partners on low-carbon and innovation experience. In 2025, we sponsored the gala hosted by the Global Solar Council during in the 30th United Nations Climate Change Conference (COP30) and hosted the Annual Eco-Partner Conference. By consolidating consensus with global ecosystem partners and exploring approaches to low carbon, we strengthened low-carbon cooperation through exchanges across disciplines and industries.



► GCL SI sponsored the gala hosted by the Global Solar Council during COP30

Hosting the Annual Eco-Partner Conference to Foster Industry-Wide Consensus on Low-Carbon Initiatives

GCL SI hosted the 2025 Annual Eco-Partner Conference under the theme "Partnering for a Low-Carbon Future". Bringing together experts in the PV field and over a hundred key partners, the event focused on low-carbon development trends, as well as industry opportunities, and challenges in the market of distributed PV facilities. In this gala, we interpreted new PV policies, shared innovations in low-carbon technologies and products, and recognized outstanding partners on this front. Through the event, we established a communication platform that connects government, industry, education, and research, strengthened strategic collaboration with ecosystem partners, and promoted joint progress across the upstream and downstream of the industry chain. In this way, we explored new opportunities for green development through collective efforts.



Participated in the UNGC Climate Ambition Accelerator

In June 2025, GCL SI participated in the United Nations Global Compact (UNGC) Climate Ambition Accelerator program. Over six months of online and offline workshops and learning sessions, the company successfully completed the course, achieving deep integration between corporate collaboration and global development goals, driving green transformation across upstream and downstream partners.



Collaborating with Upstream Partners to Solidify the Foundation of a Low-Carbon Supply Chain

GCL SI collaborates with upstream suppliers during procurement to establish a co-operation system for a low-carbon supply chain. By integrating ESG requirements into the lifecycle management of suppliers and implementing diverse measures to promote carbon reduction and energy savings in upstream processes, the Company drives green and collaborative development across the supply chain.

Collectively Building a Low-Carbon Ecosystem for the Supply Chain

Based on the GCL Carbon Chain 3.0 platform, the Company orients itself to supplier carbon footprint collaboration, integrated green certificate services, and other key areas to optimize the supply chain carbon management system. We have established a supplier carbon matrix platform to collect suppliers' carbon data. Through standardized guidance and automated verification, we guarantee the quality of these data and enable full-process monitoring and evaluation of suppliers' low-carbon performance. This allows us to create a directory of low-carbon suppliers and prioritize cooperation with those with lower carbon footprints and higher green production capabilities.

We join hands with suppliers to carry out carbon reduction projects. For battery production and procurement, we collect information on suppliers' transportation vehicles in a comprehensive manner, encouraging them to use new energy vehicles and energy-efficient models to reduce carbon emissions from raw material transportation. For module production and procurement, we implement a low-carbon raw materials strategy, encouraging suppliers to recycle broken glass and scale up the use of recycled aluminum to reduce raw materials consumption. Close cooperation with suppliers brings GCL SI a continuous reduction in the carbon footprint of module products.

Empowerment to Downstream Partners: Jointly Enriching Low-Carbon Application Scenarios

GCL SI prioritizes downstream market needs. Through initiatives such as the "Zero-Carbon Partner" program, training sessions for overseas distributors, and benchmark projects, we empower downstream partners to enhance low-carbon operation, enrich green energy application scenarios, and deepen integration of low-carbon technologies with end-user demands. With these efforts, we make green energy accessible across the world.

Actively Conducting Training for Overseas Distributors

In 2025, GCL SI provided overseas distributors with training on low-carbon technologies and products. This initiative aimed to promote the low-carbon advantages of PV modules, share knowledge on carbon footprint management, and introduce green application solutions. The training also improved the low-carbon services of overseas partners, facilitated the global market expansion of products, and contributed China's low-carbon PV technology to the energy transition worldwide.

Expanding the Ecosystem Network Through the "Zero-Carbon Partner" Initiative

Our "Zero-Carbon Partner" initiative connects global partners through an open and collaborative approach. In 2024, GCL SI partnered with leading global companies such as Mercedes-Benz, Huawei, and Budweiser to create a video series. This series released 11 episodes to show how GCL SI's PV products drive green transformations for customers from multiple industries. It also highlighted GCL SI's brand philosophy of "Low-Carbon, Technology, and Vitality". In 2025, we further expanded the network through this initiative by collaborating with global partners such as OceanSun in Norway, Enpal in Germany, and Stäubli in Switzerland. We extended the low-carbon ecosystem into areas like global new energy development and distributed PV operations, so as to amplify carbon reduction effects across the industry chain and advance global green development.



Consolidating Internal Strength to Activate Employees' Motivation for Carbon Reduction

We have launched the employee carbon incentive platform called Carbon Planet and organized diverse online and offline low-carbon activities to guide all employees in adopting green practices in life and work. As such, we aim to foster an internal ecosystem where "everyone participates in carbon reduction". In 2025, the employee carbon incentive platform recorded total emissions reductions of over 110 thousand kilograms of CO₂e, with a per capita reduction of 31.18 kilograms of CO₂e/person.

Diverse Low-Carbon Activities for Employees

Based on the employee carbon incentive platform called Carbon Planet, GCL SI organizes low-carbon activities, disseminates relevant knowledge through quizzes and exhibitions, and promotes employee engagement with a carbon point reward mechanism. With a focus on key scenarios such as dining, office, and commuting, we have launched the "Clean Plate" campaign, encouraging green mobility, the use of personal water bottles, less consumption of disposable items, and other low-carbon behaviors. Besides, we have organized events such as sports festivals and glow runs during the Earth Day and other occasions to embed low-carbon principles into employees' daily routines and foster collective commitment to carbon reduction.



Practicing Low Carbon Together for a Sustainable and Green Future

We upgrade the carbon management platform, engage partners in international low-carbon governance, collaborate with upstream stakeholders to reinforce the low-carbon supply chain, empower downstream peers to expand green application, activate employees' low-carbon motivation, and build an ecosystem of low-carbon cooperation. By doing so, GCL SI works to expand the partnership in an open, collaborative, and innovative attitude. In the future, GCL SI will continue to uphold the corporate mission of "focusing on green development and continuously improving the living environment for humanity". By means of technological innovation and industrial practices, the Company will optimize the low-carbon ecosystem and advance the sustainable development worldwide.

GCL SI Co-Launched the "Beautiful Travel" Initiative in Nyingchi, Xizang to Build a Green Future for the Himalaya

From September 20 to 22, 2025, GCL SI actively participated in the "2025 Himalayan Guardian Conference and the Second Beautiful Travel Leadership Initiative" in Nyingchi, Xizang. Together with volunteers, we went to the banks of the Yarlung Tsangpo Grand Canyon to clean up waste. Under the azure sky at the plateau, volunteers used litter pickers and bags to clear scattered waste along the riverbanks. They safeguarded the pristine beauty of the Roof of the World with their hands, thus reinforcing a "green defense line" for the original ecological splendor of the Yarlung Tsangpo Grand Canyon. As the concept of "protecting nature" took root in the majestic canyon, the Company made a profound commitment to ecological and environmental conservation.



「N」ature

— Be committed to improving the human living environment, integrate sustainability into everyday life as an enduring way of being.

GCL SI has adopted a forward-looking strategic approach to advance green and sustainable development, unlocking the diverse value of ecological conservation and low-carbon transition. Focusing on key areas, including climate change, energy and resource use, management of pollutants and waste, and biodiversity protection, we implement coordinated and targeted measures to reduce environmental impacts across the product lifecycle, safeguarding ecological integrity through concrete action.

Critical Strategic Goals and Annual Performance

Strategic Goals	Indicator	Performance in 2024	Performance in 2025	Unit
Based on 2024, reduce absolute Scope 1 and Scope 2 emissions by 63% by 2035.	Scope 1 & Scope 2 emissions (market-based)	324,256.22	168,299.90	tCO ₂ e
Based on 2024, reduce carbon emissions from purchased goods and services per unit of production in Scope 3 by 67.33% by 2035.	Scope 3 emissions from purchased goods and services per unit of production	623.31	633.46	tCO ₂ e/MW
Based on 2024, achieve an average annual 5% year-on-year reduction in product carbon footprint by 2030.	Average product carbon footprint	394.85	337.4	kgCO ₂ e/kW
Based on 2023, reduce waste generation per unit of output by 30% by 2030.	Waste generation per unit of output	1.45	1.00	Tonnes/MW
Based on 2024, reduce water consumption per unit of output by 8% by 2030.	Water consumption per unit of output	175.52	134.19	Tonnes/MW

Contribution to the UN SDGs:



Responding to Climate Change

GCL SI adheres to the Shenzhen Stock Exchange's Guidelines for Sustainability Reporting and the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD). The Company proactively identifies, assesses, and responds to climate-related risks, establishing a systematic climate governance framework to address the challenges of climate change through concrete actions. GCL SI has set emissions reduction targets in alignment with the methodology of Science Based Targets initiative (SBTi), defining decarbonization pathways across the value chain and driving low-carbon transformation both within the Company and throughout the value chain.

Climate Governance

Guided by the core objectives of the Paris Agreement, GCL SI incorporates climate-related matters into the oversight responsibilities of the Board of Directors. Through the sustainability governance structure, the Company ensures effective supervision, management, and decision-making on climate issues. As the central decision-making and accountable body for climate-related matters, the Board of Directors regularly reviews and assesses associated risks and opportunities. The Strategy and Sustainability Committee oversees the implementation of the Company's climate strategy, targets, and key initiatives. Under this committee, the Sustainability Management Committee and the Sustainability Promotion Office are responsible for the execution of climate governance activities. The Sustainability Management Committee has further established a dedicated Climate Action Working Group to carry out climate risk and opportunity management. For details on GCL SI's ESG governance structure and climate-related governance arrangements, please refer to the "Sustainability Governance" section of this Report.

Climate Strategy



GCL SI has identified climate-related risks and opportunities relevant to the Company's operations by applying the TCFD risk assessment framework, taking into account global and domestic trends, the Company's business development trajectory, and the key concerns of stakeholders. Based on this analysis, we have implemented targeted measures to enhance our climate resilience and long-term adaptive capacity.

Climate Risk and Opportunity Management

Climate-Related Opportunities and Response Measures

Opportunity Type	Potential Financial Impact	Description of Potential Financial Impact	Response Measures
Policy	Increase revenue	<ul style="list-style-type: none"> The country has introduced policies to promote energy mix transformation and encourage the use of new energy, bringing broad development opportunities for photovoltaic enterprises 	<ul style="list-style-type: none"> Increase investment in R&D to improve product performance and provide customers with cleaner and more efficient products and services
Market	Enhance the corporate reputation, increase financing opportunities, and boost revenue	<ul style="list-style-type: none"> Capital markets and rating agencies emphasize the level of corporate climate management, and companies with excellent management are more likely to have access to financing opportunities Increased demand for low-carbon products and services leads to growth in the Company's revenues and profits 	<ul style="list-style-type: none"> Establish a comprehensive climate management framework to enhance climate governance and rating performance Rely on the "GCL Carbon Chain", realize efficient product carbon footprint management and enhance product competitiveness
Technology	Reduce operating costs	<ul style="list-style-type: none"> Accelerate the application of cleaner technologies and the use of cleaner energy to reduce the cost of energy use 	<ul style="list-style-type: none"> Promote the construction of on-site PV power stations, and increase the proportion of clean energy use Implement energy-saving technological reforms to improve energy efficiency

Climate-Related Risks and Response Measures

Risk Type	Risk Factor	Potential Financial Impact	Description of Potential Financial Impact	Response Measures
 Physical risk	Climate disasters (short-term)	Affect production and transportation, reduce the value of fixed assets, and increase operating costs	<ul style="list-style-type: none"> Typhoons, floods, and other natural disasters can lead to safety accidents, forced production halts, and increased transportation costs Impairment of fixed assets 	<ul style="list-style-type: none"> Optimize transportation modes Formulate emergency plans and control measures to cope with extreme weather events, conduct emergency drills and increase the reserve of emergency supplies
	Climate change (long-term)	Affect production and increase operating costs	<ul style="list-style-type: none"> Sustained high temperatures cause abnormal power supply and increase high-temperature allowance expenses; Sea level rise increases the likelihood of relocation or structural changes of production bases located in coastal areas 	<ul style="list-style-type: none"> Increase local procurement Improve energy efficiency in the factories Strengthen building and equipment maintenance
 Transition risk	Laws and regulations (short-term)	Increase operating and financing costs	<ul style="list-style-type: none"> The increase in carbon market prices and the implementation of carbon taxes lead to higher operational and procurement costs Violating laws and regulations can bring penalties 	<ul style="list-style-type: none"> Strictly comply with the regulations of the country where we operate and where products are sold, and regularly monitor changes in relevant policy and regulations Establish a comprehensive compliance system and safeguard mechanism
	Technological changes (medium-term)	Increase operating costs and R&D investment	<ul style="list-style-type: none"> Upgrade energy-saving equipment Costs associated with outdated technology 	<ul style="list-style-type: none"> Improve energy usage efficiency and improve product production efficiency Pursue innovation and attract technical talents
	Market changes (medium-term)	Increase operating costs and affect the Company's reputation	<ul style="list-style-type: none"> Reduction in market subsidies leads to an increase in direct costs The Company may suffer from poor reputation and negative performance due to inadequate climate actions 	<ul style="list-style-type: none"> Actively communicate with stakeholders, respond to market and customer expectations for sustainability, and enhance corporate performance in this area

Product Lifecycle Green Management

GCL SI has established product lifecycle green management as a core decarbonization strategy. The Company actively develops green products, reduces resource consumption and carbon emissions, promotes circular economy principles, and continuously enhances climate resilience.



Green Design

Introduce the ecological concept in product design, carry out self-evaluation of ecological design in accordance with GB/T 24256 General Rules for Product Ecological Design and GB/T 32161 General Principles for Eco-design Product Assessment, and form audit reports. In 2025, the Company continued to advance material reduction and green process upgrades. At Wuhu GCL, a series of measures, from process optimization to material substitution, enabled thinner solar cell designs and significantly reduced the consumption of chemicals such as hydrogen peroxide and hydrofluoric acid during manufacturing, thereby lowering the product's carbon footprint.



Green Procurement

Select suppliers who have obtained product carbon footprint certification or whose products have a lower carbon footprint, and require suppliers to sign the Letter of Commitment on Safety and Environmental Protection. Through the "GCL Carbon Chain", the Company is standardizing carbon management across the supply chain and collaborating with suppliers on joint decarbonization initiatives. For details, please refer to the Annual Feature section "Leading in Low Carbon to Jointly Build a Green Ecosystem" of this report.



Green Production

The Company emphasizes lean and green production practices. Through technological upgrades, GCL SI improves energy efficiency in production. In 2025, Wuhu GCL optimized its GPC high-temperature double-insertion process, increasing production capacity while shortening high-temperature processing time, thereby reducing electricity consumption in furnace tubes and accelerating low-carbon transition at the production level.



Green Logistics

By rationally planning the layout of the factory area, implementing road-rail intermodal transport, road-water intermodal transport, optimizing transport routes, and other measures, the Company continuously improves the resource utilization efficiency of logistics links such as containerization, storage, and transportation, and accelerates the construction of a digital and low-carbon logistics industry chain.

Comprehensive Carbon Reduction in Domestic and International Logistics

GCL SI has achieved significant carbon reduction through systematic optimization of the logistics network. In international logistics, near-sea routes prioritize direct shipments from the nearest port to shorten transport distances. For long-haul ocean freight, over 90% of cargo volume is transported via multimodal solutions such as rail-sea and inland waterway barge connections instead of road-only transport, and fragmented orders are consolidated for centralized shipment to overseas warehouses before distribution, effectively reducing empty-load rates. In domestic logistics, long-distance transportation primarily relies on road-rail and road-water intermodal solutions, with intermodal transport accounting for 34% in 2025, reaching an industry-leading level and significantly reducing diesel truck usage frequency, thereby lowering carbon emissions across the entire logistics chain.

Green Recycling

Maximize the recycling and reuse of discarded modules and product packaging materials, promote the circular economy, and improve resource recycling rates.

Advancement in Module Recycling

As a critical component of the green closed-loop system in the PV industry, the recycling and environmentally sound management of end-of-life PV modules is essential to the industry's sustainable development. GCL SI is actively building out circular economy initiatives, exploring high-value recovery pathways for decommissioned PV modules, and implementing dedicated module recycling programs. The Company strictly complies with the European Union's Waste Electrical and Electronic Equipment (WEEE) Directive and has obtained relevant authoritative certifications for recycling operations. As a member of PV CYCLE, GCL SI collaborates with industry partners to promote large-scale collection and efficient reuse of end-of-life modules.

In 2025

The Company secured WEEE-registered recycling commitments for

328 MW of module products



Low-Carbon Promotion

To enhance employees' understanding of key issues such as climate change and energy conservation, the Company actively conducts ESG training for its workforce. In 2025, the Company held a company-wide "GCL Carbon Chain" Special Learning Day focused on core topics such as carbon footprint accounting and practical applications of the GCL Carbon Chain, deepening employees' understanding of low-carbon practices.

During the Reporting Period

Training on low-carbon related topics achieved

100% employee coverage

Risk Management

As the climate risk landscape continues to evolve, we continue to strengthen and institutionalize our climate risk management mechanism, integrating it into the Company's overall enterprise risk management process.

Climate risk identification and assessment mechanism

In accordance with domestic and international sustainability standards and trends, as well as our business development and factory layout, GCL SI identifies and assesses climate-related risks and opportunities and makes materiality assessments to form a list of climate change risks for annual review by the Board of Directors.

Climate risk response mechanism

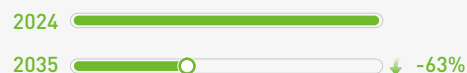
Identified climate risks and opportunities are formally integrated into the Company's enterprise-wide risk management process. The Sustainability Promotion Office coordinates across functions and business units to proactively address these climate-related risks and opportunities, establishing a resilient and adaptive climate risk response mechanism.

Metrics and Targets

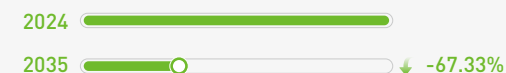
The Company has established GHG emissions reduction targets and defined a GHG reduction roadmap in accordance with the SBTi methodology, aligned with our own strategic and operational planning. This provides clear direction and quantitative guidance for driving low-carbon transformation across both our own operations and value chain.

GCL SI's Targets for Carbon Emissions Reduction

Based on 2024, reduce absolute Scope 1 and Scope 2 emissions by 63% by 2035.



Based on 2024, reduce carbon emissions from purchased goods and services per unit of production in Scope 3 by 67.33% by 2035.



GCL SI's Carbon Reduction Pathway

Scope 1 & Scope 2

- Energy Efficiency Improvement: lighting optimization, air conditioning optimization, device parameter optimization, heat insulation technology reform, and production process optimization.
- Energy Optimization: Installation of on-site photovoltaic power stations.
- Procurement of Renewable Energy: Actively purchasing and using renewable energy electricity.

Scope 3

- Replacement of Granular Silicon: Increasing the utilization rate of granular silicon as a raw material.
- Replacement of Primary and Secondary Materials: Continuously optimizing the procurement of raw materials, reduce the carbon emission per unit of purchased raw materials and reduce the quantity of raw materials purchased.
- Supplier Advocacy: Setting overall carbon reduction targets for upstream suppliers and raising the entry standard; encouraging leading suppliers to establish and implement SBTi targets.
- Green Logistics Advancement: Systematically optimizing the logistics network and implementing measures such as road-rail intermodal transport and optimized routing.

Leveraging the "GCL Carbon Chain" carbon management platform, the Company conducts GHG inventories and management in accordance with the GHG Protocol methodology, and is progressively driving emissions reductions across our own operations and supply chain in a phased and prioritized manner to achieve our GHG reduction targets.

Scope 1 and 2 GHG Emission Performance in 2023-2025^{3,4}

Disclosure Item	Unit	2023	2024	2025
Scope 1 GHG Emissions	tCO ₂ e	1,309.95	1,295.60	5,205.78
Scope 2 GHG emissions (location-based)	tCO ₂ e	250,992.40	475,748.90	460,318.65
Scope 2 GHG emissions (market-based)	tCO ₂ e	248,867.51	322,960.62	163,094.12
Total Scope 1 and Scope 2 GHG emissions (location-based)	tCO ₂ e	252,302.35	477,044.50	465,524.43
Total Scope 1 and Scope 2 GHG emissions (market-based)	tCO ₂ e	250,177.45	324,256.22	168,299.90
Revenue-based Scope 1 and Scope 2 GHG emission intensity (location-based)	tCO ₂ e/RMB10,000	0.16	0.29	0.30
Revenue-based Scope 1 and Scope 2 GHG emission intensity (market-based)	tCO ₂ e/RMB10,000	0.16	0.20	0.11
Production-based Scope 1 and Scope 2 GHG emission intensity (location-based)	tCO ₂ e/MW	13.53	14.12	11.63
Production-based Scope 1 and Scope 2 GHG emission intensity (market-based)	tCO ₂ e/MW	13.41	9.60	4.20

During the Reporting Period, GCL SI Scope 3 total GHG emissions amounted to 26,410,296.89 tCO₂e. Among them, emissions from purchased goods and services amounted to 25,354,137.50 tCO₂e.

³GCL SI has accounted for greenhouse gas emission data during the Reporting Period based on operational control; please refer to the Appendix: Assurance Statement for the specific accounting boundary.

⁴A significant increase in Scope 1 emissions resulted from changes in the calculation method for refrigerants. Due to the inclusion of green certificates for deduction, the 2024 Scope 2 greenhouse gas emissions (market-based) and the total Scope 1 and Scope 2 greenhouse gas emissions (market-based) have been restated.

Scope 3 GHG Emission Performance in 2025⁵

Unit : tCO₂e

2025
Scope 3 GHG emissions **26,410,296.89**

Upstream Scope 3
GHG Emissions
25,447,163.79



Downstream Scope
3 GHG emissions
963,133.10

Disclosure Item	Unit	2025
Purchased goods and services	tCO ₂ e	25,354,137.50
Capital goods	tCO ₂ e	13,122.35
Fuel and energy-related activities	tCO ₂ e	72,426.69
Waste generated from operations	tCO ₂ e	4,718.77
Business travel	tCO ₂ e	2,303.67
Employee commuting	tCO ₂ e	454.81
Downstream transportation and distribution	tCO ₂ e	106,129.67
End-of-life treatment of sold products	tCO ₂ e	856,708.29
Investment	tCO ₂ e	295.14

⁵ Sourced from the inventory data, the Scope 3 emission categories related to GCL SI include purchased goods and services, capital goods, fuel and energy-related activities, waste generated from operations, business travel, employee commuting, downstream transportation and distribution, end-of-life treatment of sold products, and investment.

Environmental Compliance Management

GCL SI strictly complies with the requirements of laws and regulations such as the Environmental Protection Law of the People's Republic of China, the Air Pollution Prevention and Control Law of the People's Republic of China, the Water Pollution Prevention and Control Law of the People's Republic of China, and the Solid Waste Pollution Environment Prevention and Control Law of the People's Republic of China. The Company continuously improves its environmental management system. GCL SI has publicly disclosed the GCL System Integration Environmental Management Policy on the official website, which outlines core commitments covering pollution prevention, energy conservation and emissions reduction, and ecological protection. This policy extends to suppliers and partners, fostering a collaborative, end-to-end green development ecosystem across the value chain.

GCL SI implements environmental management in a systematic manner, with dedicated environmental management departments established at all production bases to centrally oversee environmental affairs for their respective facilities. As of the end of the Reporting Period, Hefei GCL, Funing GCL, and Wuhu GCL factories have all obtained ISO 14001 Environmental Management System Certification and successfully passed annual audits, achieving 100% coverage across all of GCL SI's photovoltaic module manufacturing sites. The Company regularly conducts environmental aspect identification and environmental risk assessments, develops targeted control measures, and rigorously implements inspection and operational maintenance protocols for production facilities to ensure full compliance with the latest national and local environmental regulations.

➤ GCL SI ISO 14001
Environmental
Management
System Certification



In addition, the Company has established a comprehensive environmental emergency response plan and regularly organizes training programs to enhance employees' environmental awareness and emergency response capabilities. During the Reporting Period, GCL SI experienced no major environmental incidents and incurred no significant administrative penalties or criminal liabilities related to environmental matters. GCL SI's environmental management performance has also received extensive external recognition. Funing GCL and Hefei GCL were awarded the title of national-level "Green Factory", and Wuhu GCL was recognized as a "Green Factory" by Wuhu City.

Energy Management and Renewable Energy Utilization

GCL SI strictly abides by laws and regulations such as the Energy Conservation Law of the People's Republic of China and the Energy Management Guidelines for Industrial Enterprises. The Company has formulated and implemented the Energy Management Manual, the Energy and Resources Management System, and the Energy Management System Procedures. These documents clearly outline the Company's principles and specific requirements for the rational utilization of various energy and resources and enable systematic monitoring, control, and optimization of energy consumption in production operations. In 2025, Wuhu GCL revised the Energy Conservation Management Policy for Electrical Appliances, adjusting regulations on air conditioning temperature settings to further advance energy-saving retrofits.

The Company has established a robust energy management system guided by the principle of "low consumption and high efficiency, energy conservation and emission reduction, standardized operation and technological innovation", and continues to implement energy-saving initiatives. During the Reporting Period, Hefei GCL, Funing GCL, and Wuhu GCL have all obtained ISO 50001 Energy Management System Certification, achieving 100% coverage across all of GCL SI's PV module manufacturing bases. Additionally, each production site regularly conducts energy usage analysis and diagnostics to identify opportunities for energy efficiency improvements and implements multiple technical retrofit projects to further enhance energy efficiency in manufacturing processes.



Module business unit

- **Lighting upgrade:** Replaced lighting fixtures in workshops, warehouses, and other areas with more energy-efficient alternatives to reduce electricity consumption for illumination. After energy efficiency retrofitting, annual electricity savings of approximately 940,800 kWh can be achieved.



Cell business unit

- **High-efficiency chiller plant retrofit:** Upgraded the cooling water system by replacing fixed-speed pumps with variable-frequency drives and integrating AI-based optimization algorithms to automatically identify optimal operating parameters, resulting in a 17.87% year-over-year reduction in electricity consumption.
- **Waste heat recovery:** Implemented an integrated solution combining "air compressor waste heat + water-source heat pump + plate heat exchanger" to recover waste heat from compressors for heating purified water, offsetting approximately 82% of the electricity previously consumed by hot water units in wet-process operations.



GCL SI Energy Management Performance in 2023-2025⁶

Disclosure Item	Unit	2023	2024	2025
Natural gas	m ³	315,951	306,464	195,434
Total electricity	kWh	473,387,732	935,976,903	1,029,748,923
- Self-generated renewable electricity	kWh	37,403,487	49,376,053	61,923,141
- Purchased municipal electricity	kWh	432,258,316	211,759,306	867,544,687
- Purchased renewable electricity	kWh	3,725,929	0	100,281,095
- Contracted purchased electricity	kWh	0	674,841,544	0
Steam ⁷	m ³	6,640	0	0
Gasoline	kg	59,974	40,858.46	24,908
Electricity consumption per unit of output	MWh/MW	25.38	27.70	25.73
Natural gas consumption per unit of output	m ³ /MW	16.94	9.07	4.88

GCL SI continues to optimize energy mix and actively promotes the substitution of renewable electricity in manufacturing operations. The Company has deployed on-site PV systems at production bases, effectively increasing the share of renewable energy in our total electricity consumption. In 2025, GCL SI generated and consumed 61,920 MWh of renewable electricity through self-owned solar installations and procured 600,000 MWh of green power via Green Electricity Certificates (GECs).

GCL SI Renewable Energy Consumption in 2023-2025

Disclosure Item	Unit	2023	2024	2025
Consumption of renewable electricity	10,000 kWh	4,112.94	4,937.61	16,220.42

⁶ GCL SI's accounting boundary for energy management performance is consistent with that for greenhouse gas emission accounting; please refer to the Appendix: Assurance Statement for the specific boundary.

⁷ GCL SI did not use steam in 2025.

Water Stewardship

GCL SI strictly follows the Water Law of the People's Republic of China, the Water Pollution Prevention and Control Law of the People's Republic of China and other laws and regulations. We continuously enhance our water resource management system to reduce water consumption while improving water use efficiency. In 2025, the Company achieved a "B" rating in the CDP Water Security Questionnaire, reflecting the effectiveness and maturity of our water stewardship practices.

Responding to Water Risks

Each year, the Company conducts water stress assessments for all stable operating facilities using the World Resources Institute's (WRI) Aqueduct Water Risk Atlas. The results of the 2025 assessment are as follows:

Plant	WRI Water Risk Level
Hefei GCL SI	High (3-4)
Funing GCL SI	High (3-4)
Wuhu GCL SI	Medium-High (2-3)

To optimize the water resource allocation structure, GCL SI fully considers locally available alternative water sources in its operations and utilizes a diversified supply mix, to continuously enhance water use efficiency.

Wuhu GCL SI Advances Water Reuse Initiatives



Wuhu GCL SI has actively shifted its water management approach from "reactive compliance" to "proactive optimization", focusing on cascading water use and precision control through multiple retrofit measures:



Implemented an inter-stage makeup water retrofit for the cooling water system, redirecting surplus condensate from low-temperature cooling towers to medium-temperature towers, thereby eliminating seasonal overflow and waste;



Replaced municipal tap water with treated effluent from the biochemical treatment system for lime slaking processes, saving 34,675 cubic meters of freshwater annually while simultaneously optimizing the plant-wide water balance;



Completed the water recovery retrofit for instrument detection of the pure water system, achieving 100% reuse of high-purity drainage and saving 14,980 cubic meters of water per year.

Precision Water Resource Management

GCL SI continues to strengthen end-to-end water stewardship across operations. The Company conducts comprehensive water flow analysis to identify key water-use processes, performs quantitative benchmarking, establishes site-specific water performance baselines, and implements targeted optimization measures. In addition, we carry out a routine monitoring and evaluation mechanism to ensure on-going improvement, forming a robust precision water management system. Additionally, the Company enhances employee awareness through diverse engagement initiatives, such as posting water-saving signage and organizing prize-based water conservation quizzes, to foster a culture of collective participation in water efficiency efforts.

GCL SI Water Resource Management Performance in 2023-2025⁸

Disclosure Item	Unit	2023	2024	2025
Total water withdrawal	Tonnes	3,732,935	5,930,366	5,370,936
Total water consumption ⁹	Tonnes	1,647,653.09	1,054,675	769,323.80
Water recycling and reuse volume	Tonnes	202,569.45	884,961.40	524,367.00
Water consumption per unit of output	Tonnes/MW	88.35	31.21	19.22

⁸ The scope of GCL SI 2025 water management performance includes three production bases: Hefei GCL SI, Wuhu GCL SI, and Funing GCL SI.

⁹ GCL SI's total water consumption in 2025 refers to total water withdrawal minus total wastewater discharge.



Pollutant & Emissions Management

GCL SI continues to strengthen pollution prevention and control efforts, with a particular focus on managing emissions of key pollutants such as waste gas and wastewater, thereby minimizing the adverse impact of our operations on surrounding ecosystems.

Wastewater Control

The Company strictly complies with the requirements of national and local laws and regulations, and has established and executed the Wastewater Discharge Control Management System. We develop and implement comprehensive wastewater collection, treatment and discharge programs for various wastewater following the principle of wastewater diversion and treatment. In addition, according to the regulatory requirements, we install online monitors at the main outlets of production wastewater to monitor the quality of wastewater in real time and ensure compliance with the discharge standards. During the Reporting Period, GCL SI reported none of incidents of excessive discharge.

In 2025, Wuhu GCL commissioned a dedicated fluoride recovery treatment system for high-concentration fluoride-containing wastewater. This system produces high-purity calcium fluoride, a byproduct with significant reuse value, and has reduced average monthly sludge generation from 1,200 tonnes to 800 tonnes, substantially lowering fluoride sludge output and delivering notable environmental benefits.

GCL SI Wastewater Discharge Performance in 2023-2025

Disclosure Item	Unit	2023	2024	2025
Total wastewater discharge	Tonnes	2,085,281.91	4,875,691.00	4,601,612.20
Suspended solids discharge	Tonnes	21.79	67.65	38.56
Chemical oxygen demand (COD) discharge	Tonnes	76.54	263.96	155.36
Ammonia-nitrogen discharge	Tonnes	11.71	41.27	42.07
Phosphorus discharge	Tonnes	0.29	0.30	0.76
Fluoride discharge	Tonnes	9.71	22.58	29.30

Waste Gas Management

GCL SI strictly adheres to relevant laws and regulations, including the Law of the People's Republic of China on Environmental Protection and the Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, and implements standardized air emissions management practices. The Company has established a site-level Waste Gas Emission Control Management System across all production bases to ensure compliance with national air pollutant emission standards.

All GCL SI production facilities have implemented standardized air treatment processes, applying categorized treatment and precise control measures based on the characteristics of process-generated emissions. Module manufacturing sites utilize activated carbon adsorption technology to effectively remove hazardous substances from exhaust gases. Battery production facilities employ tailored treatment methods, such as alkaline scrubbing and activated carbon adsorption, for emissions generated from key production processes. To ensure on-going compliance, each production base regularly engages accredited third-party agencies to conduct air emissions testing. During the Reporting Period, GCL SI reported none of incidents of excessive waste gas emissions.

In 2025, to further enhance treatment efficiency, Wuhu GCL installed additional spray pump units to improve adsorption performance, while Hefei GCL increased the replacement frequency of activated carbon, thereby effectively maintaining the adsorption capacity and removal efficiency for air pollutants.

Waste Gas Management Performance in 2023-2025

Disclosure Item	Unit	2023	2024	2025
Total waste gas emissions	10,000 m ³	583,941.73	1,450,685.00	1,173,561.48
Nitrogen oxides (NOx) emissions	Tonnes	1.43	3.32	0.80
Sulfur oxides (SOx) emissions	Tonnes	0.25	0.80	0
Non-methane hydrocarbon (NMHC) Emissions	Tonnes	5.26	12.57	4.83
Particulate matter emissions ¹⁰	Tonnes	2.46	0.20	17.80

¹⁰ Since the monitoring concentration of particulate matter emissions was below the detection limit, the relevant emission data was calculated based on an emission rate equal to half of the detection limit, resulting in a significant increase compared with data from previous years.



Waste Management

GCL SI strictly upholds environmental safety standards and manages waste in accordance with applicable laws and regulations, as well as internal policies including the Waste Management Regulations, the Solid Waste Management System, the Hazardous Chemical Safety Management System, and the Hazardous Waste Management Registration Form. The Company has established standardized procedures for the classification, collection, and disposal of both general industrial solid waste and hazardous waste, ensuring all waste handling and disposal activities comply with relevant environmental standards and minimizing associated environmental risks and impacts. During the Reporting Period, GCL SI reported none of significant incidents of non-compliant emissions or leaks.

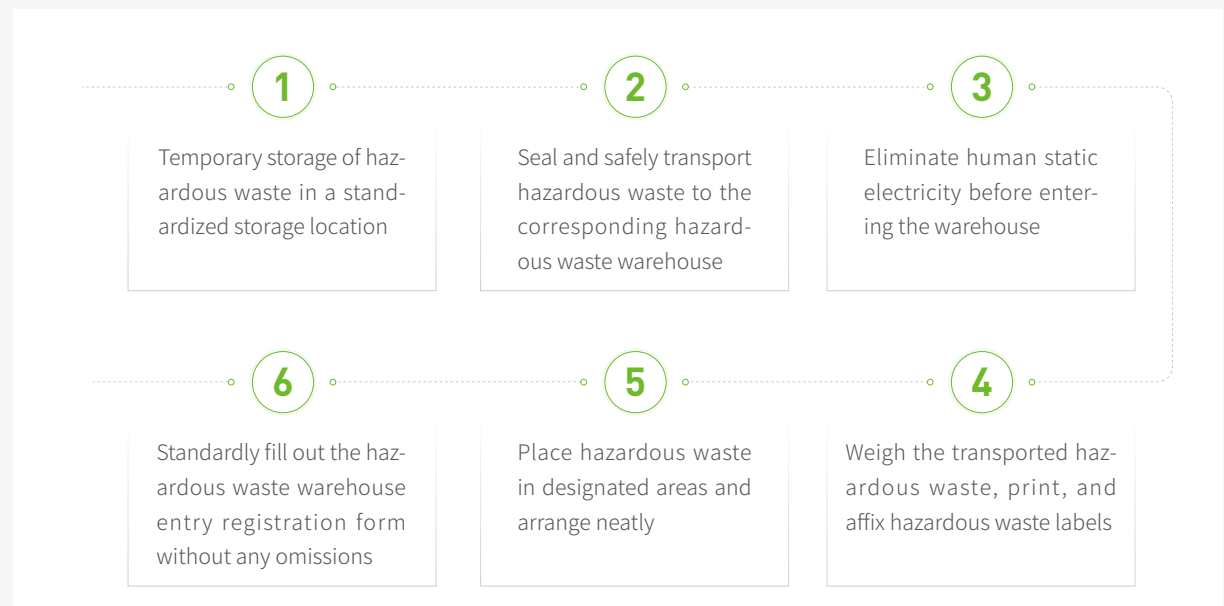
In 2025, Wuhu GCL revised its Industrial Solid Waste Management System to align hazardous waste classifications with updated regulatory requirements, further ensuring compliant management and disposal of solid waste.



For general industrial solid waste, the Company adheres to the principles of reduction, resource recovery, and harmless treatment, prioritizing resource recovery as the primary disposal method. GCL SI achieved compliant management of general industrial solid waste through channels such as external sales for comprehensive utilization and manufacturer-led recycling, thereby advancing resource conservation and the circular economy. During the Reporting Period, the Company's general waste recycling rate reached 99.69%.

For hazardous waste, the Company strictly complies with national and local laws and regulations by constructing dedicated hazardous waste storage facilities. All hazardous waste is classified and stored in accordance with regulatory requirements. Based on actual waste generation, the Company maintains detailed hazardous waste records and transfer manifests, and only entrusts licensed and qualified third-party vendors to handle transportation and treatment, effectively preventing adverse environmental impacts.

On-site Hazardous Waste Warehousing Process



GCL SI places strong emphasis on enhancing employees' awareness of proper waste handling practices, with all production bases conducting specialized waste management training programs. Funing GCL organized 3 environmental training sessions covering industrial solid waste and hazardous waste topics, achieving full coverage of all relevant departments. Wuhu GCL delivered targeted training on solid waste classification, storage, and compliant disposal to safety supervisors and employees in waste-generating positions.

During the Reporting Period

Hefei GCL held

1 training session on environmental regulations and hazardous waste management

reaching

1,177 participants

Waste Management Performance in 2023-2025

Disclosure Item	Unit	2023	2024	2025
Total waste generated	Tonnes	52,238.60	49,005.45	40,153.66
Total general industrial solid waste generated	Tonnes	52,218.69	48,830.28	40,029.43
- Non-hazardous recycled	Tonnes	52,184.85	48,703.35	39,906.63
- Non-hazardous incinerated	Tonnes	33.84	126.93	122.80
Total hazardous waste generated	Tonnes	19.91	175.17	124.23
Hazardous waste disposed	Tonnes	17.82	172.17	127.81

Circular Economy

GCL SI actively practices the principles of the circular economy, continuously improving resource utilization efficiency. GCL SI optimizes product packaging design and actively introduces recyclable packaging materials, thereby enabling recycling of packaging materials. In office operations, the Company conducts regular inventory checks and maintenance/refurbishment management of electronic devices in stock, extending their service life and enhancing the efficiency of office resource utilization. In 2025, various production bases of the Company implemented diverse measures to advance the circular economy:



Hefei GCL SI introduced molded pallets made from renewable or recycled materials, which offer greater durability and replace single-use plastic pallets.



Hefei GCL SI vigorously promoted the recycling of packaging materials, recovering over 7,000 tonnes of EVA packaging materials and over 16,000 tonnes of glass/iron pallets throughout 2025.



Wuhu GCL SI facilitated the return and remanufacturing of solar cell pallets and promoted the downstream reuse of PE boxes and cardboard cartons. From 2023 to 2025, Wuhu GCL SI collectively recovered over one million sets of packaging, effectively reducing solid waste generation.

Ecosystem and Biodiversity Conservation

Upholding the principle of ecological prioritization, GCL SI developed a biodiversity strategy that includes conservation initiatives in alignment with the principles outlined in the UN Convention on Biological Diversity and with reference to the EU's Biodiversity Strategy for 2030, continuously innovating and deepening its practices in biodiversity protection.

Biodiversity Conservation Strategy

Strategic Goal	Mission
<p>1 Enhance awareness of the importance and value of biodiversity.</p>	GCL SI will raise awareness of biodiversity through internal and external training, publications, sponsorships, and internal and external communication of the impact of organizational activities in this area, integrating it into educational dialogues.
<p>2 Reduce direct pressure on biodiversity and promote sustainable use of natural resources.</p>	GCL SI commits to reducing direct pressure on biodiversity and working with consumers and the circular economy industry to promote sustainable resource use and end-of-life product management.
<p>3 Improve biodiversity status through the protection of ecosystems, species and genetic diversity.</p>	GCL SI will work with external partners to enhance biodiversity through sustainable land management, genetic diversity promotion, and habitat fragmentation reduction.

The Company strictly complies with national requirements concerning ecological conservation redlines, ensuring that all construction projects undergo legally mandated environmental impact assessment and approval procedures. Through investigation and verification, none of the Company's production facilities are located within designated ecological redline areas.

In line with the biodiversity conservation strategy, the Company systematically advances multi-stakeholder collaboration and practical implementation, and establishes communication and cooperation networks to share our biodiversity policies and practices. Additionally, guided by the biodiversity strategic framework, the Company selects and funds biodiversity research and conservation projects. We also share strategic actions and progress with employees, suppliers and other stakeholders to foster consensus and synergies in biodiversity conservation.

In 2025, Funing GCL SI signed a donation pledge, contributing RMB 300,000 to the Yancheng Yellow Sea Wetlands Natural Heritage Conservation Foundation. These funds are specifically allocated to wetland ecological restoration, biodiversity protection, and environmental education, demonstrating the Company's commitment to fulfilling its ecological responsibilities.

Multi-Bases Cooperation to Advance Ecological Initiatives and Jointly Build a Green Development Safeguard

In March 2025, GCL SI organized its production bases to carry out ecological and environmental protection practices, putting the concept of green development into practice through concrete actions.



Hefei GCL SI, in conjunction with the kick-off of the "Carbon Planet", an employee carbon incentive platform, carried out an ecological tree-planting event to reinforce the advancement of green ecological construction.



Wuhu GCL SI carried out a tree-planting campaign themed "Greening and protecting the environment, party members are in action" to mobilize party members and volunteers to plant trees and embrace ESG principles in practice.



Funing GCL SI conducted tree-planting activities within its factory greenbelts to further enhance and beautify the site's ecological environment.

「E」quity

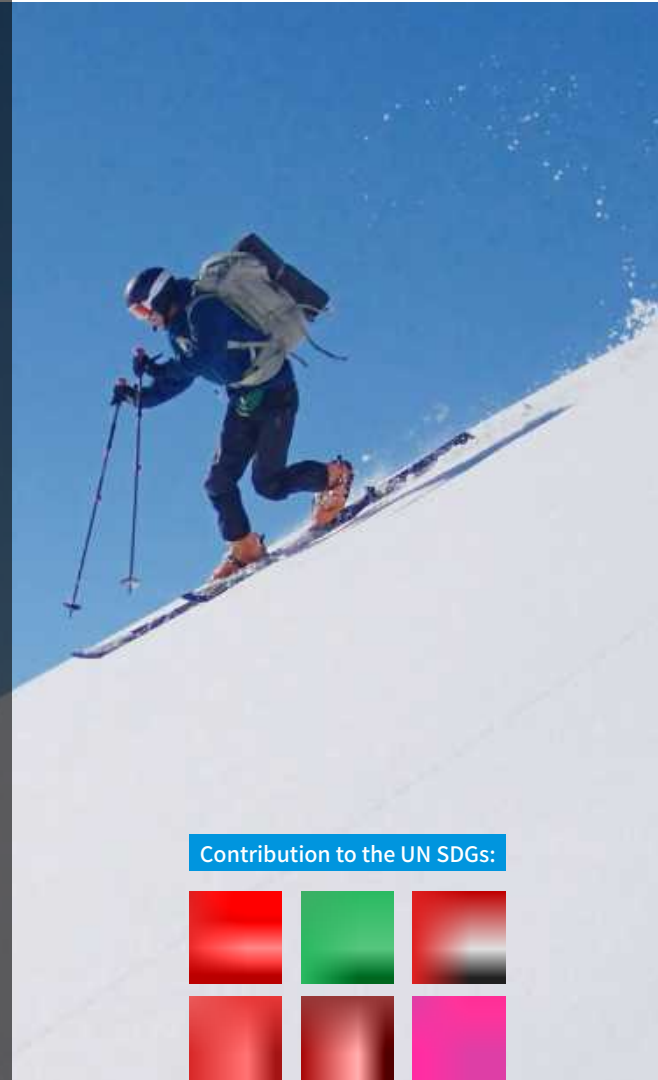
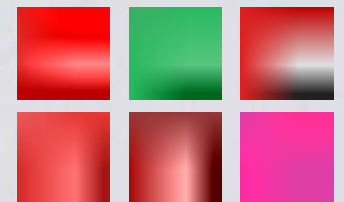
Unit for consensus through shared purposes, and power sustainable innovation with dynamic energy.

GCL SI has deeply embedded social responsibility into the corporate development ethos, striving to build an industrial ecosystem where multiple stakeholders thrive together. We prioritize talent development and create an open, inclusive and dynamic platform for growth, fostering a harmonious, stable, and mutually rewarding labor relations. Furthermore, we work hand in hand with partners across the supply chain, including suppliers and customers, to establish a mutually beneficial and win-win ecosystem. The Company is also actively engaged in community development and public welfare initiatives, promoting the deep integration of business value and social benefit.

Critical Strategic Goals and Annual Performance

Strategic Goals	Indicators	Performance in 2024	Performance in 2025	Unit
By 2030 at the latest, maintain a 100% social insurance coverage rate for full-time employees in the Chinese mainland	Social insurance coverage rate for full-time employees in the Chinese mainland	100	100	%
By 2025, achieve a 100% coverage rate of collective bargaining agreements.	Collective bargaining agreement coverage rate	90.69	100	%
By 2028, achieve external audits for child labor and forced labor issues covering all production bases.	External audit coverage rate for child labor and forced labor issues at production bases	66.67	100	%
By 2030 at the latest, maintain annual diversity, anti-discrimination, and anti-harassment awareness training covering all employees.	Diversity, anti-discrimination, and anti-harassment awareness training coverage rate	100	100	%
By 2030 at the latest, maintain 100% participation of core suppliers in ESG capacity building.	Core supplier participation rate in ESG capacity building	100	100	%

Contribution to the UN SDGs:



Labor Rights Protection

GCL SI upholds a people-oriented approach, strictly adheres to the laws and regulations of the locations where it operates as well as international labor protection conventions and principles. The Company incorporates labor rights safeguards into its end-to-end management and supply chain collaborative governance systems, and fosters harmonious, healthy, and sustainable industrial partnerships.

Compliant Employment

GCL SI strictly abides by the Labor Law of the People's Republic of China, the Labor Contract Law of the People's Republic of China, the Provisions on the Prohibition of Using Child Labor, and other applicable laws and regulations at the locations where we operate. Moreover, the Company upholds international human rights principles such as the Universal Declaration of Human Rights and the ILO Declaration on Fundamental Principles and Rights at Work, and has established and implemented internal policies including the Labor Contract Management Regulations, the Labor Employment Management Standards, the Procedures for the Prohibition of Forced Labor, and the Measures for the Management of Child and Juvenile Workers, thereby further standardizing the entire labor employment management process. The Company has also developed the Code of Business Conduct and the Human Rights Policy, clearly committing to respecting employees' freedom of association and collective bargaining rights, and strictly prohibiting the use of child labor and forced labor, thus protecting employees' legal rights and interests.

To effectively reinforce labor and human rights safeguards, the Company conducts internal specialized self-inspections on labor employment compliance and specialized audits of human resources management, institutionalizing regular screenings of employment-related risks. In 2025, GCL SI had no incidents of employing child labor, forced labor, employment discrimination, harassment or other labor human rights violations. Funing GCL SI, Hefei GCL SI and Wuhu GCL SI all obtained the SA8000 management system certification.



► Funing GCL SI, Hefei GCL SI and Wuhu GCL SI SA8000 Certifications

Employment Performance in 2025

2025

Total number of employees

4,761 Persons

Percentage of female employees

26.40%

The voluntary turnover rate of full-time employees retained for over 1 year

3.05%

Number of new employees

1,488 Persons

Percentage of new female employees

22.85%

Talent Attraction

GCL SI focuses on attracting diverse talents and has formulated and implemented the Recruitment Management Standards, the Human Resources Planning Management Standards and other systems, providing equal opportunities to all employees and candidates in accordance with the law. The Human Resources Department takes the lead in setting measurable objectives related to diversity, and discussing and agreeing on strategies to enhance diversity among employees of the Company (including senior management) on an annual basis.

In terms of talent pipeline development, GCL SI has built a talent reserve database and conducts regular human resources analysis to precisely match and supply talent for various business lines. Simultaneously, the Company places strong emphasis on the selection and development of management trainees, steadily advancing talent reserve and development. In addition, the Company provides internal recruitment and transfer opportunities to help employees develop and utilize their talents in positions that better suit their strengths.

To enhance the competitiveness of its talent pool, GCL SI continuously optimizes mechanisms for attracting high-level talents, actively collaborates with local governments to provide attractive benefits for such talents, and assists eligible individuals in applying for various supports including individual income tax refunds, living allowances, housing subsidies and talent recruitment subsidies. In 2025, the Company focused on recruiting R&D and overseas sales talents, introducing 24 R&D professionals and 27 overseas sales professionals through diversified recruitment models, thereby providing talent assurance for technological innovation and overseas market expansion.

In 2025

The Company employed

1,257

female employees

and

150

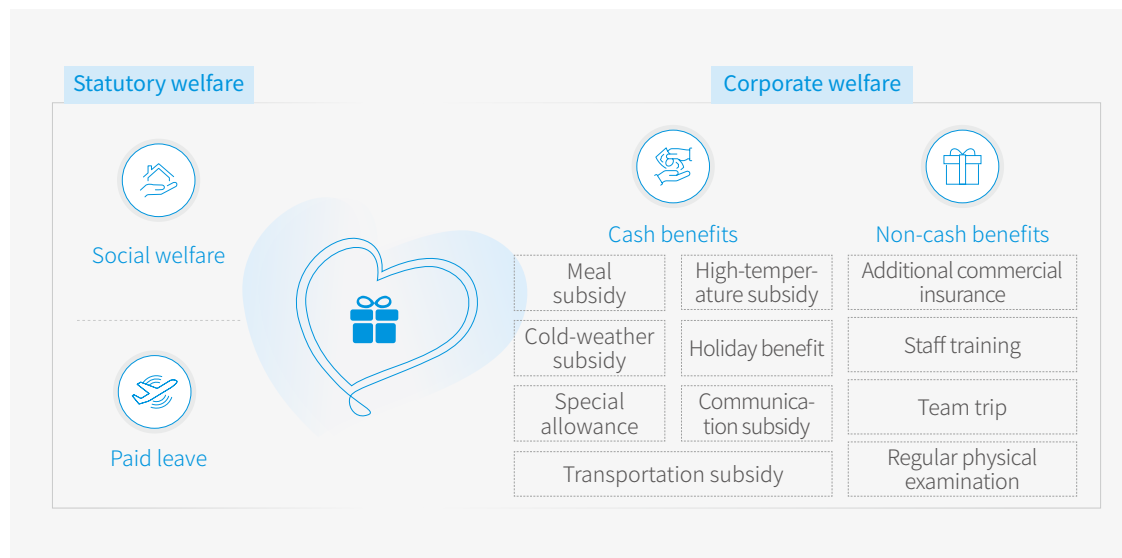
ethnic minority employees

Compensation and Benefits System

GCL SI has established and implemented the Compensation Management Standards. Upholding the principle of equal pay for equal work, we strive to build a fair, just and market-competitive remuneration system. The Company conducts a survey on compensation and benefits in the industry every year and improves the Company's compensation system based on the results of the survey. These efforts ensured a fair and scientific compensation system and further enhanced talent attraction. For employees under labor contracts, the compensation includes fixed compensation (i.e., base salary) and variable remuneration (including monthly performance-based salary and bonuses). Bonus distribution comprehensively considers factors such as corporate performance, departmental weighting, team and individual performance, thereby motivating employees.

In accordance with systems such as the Benefits Management Standards and the Leave Management Standards, GCL SI standardizes the categories and disbursement criteria of benefits, effectively strengthening employee belonging and team cohesion. In addition to statutory welfare such as social welfare and paid leave, the Company also provides employees with cash benefits such as meal allowance, high-temperature and cold-weather subsidies, holiday benefits, communication and transportation subsidies, and non-cash benefits such as annual physical examination and team trips. During the Reporting Period, the social insurance coverage rate of the Company was 100%.

Welfare structure



Employee Care

During the Reporting Period, GCL SI has organized various employee caring and cultural development activities based on the principles of "united culture and harmonious win-win results" to strengthen employee cohesion and harmonious staff relations.

Healthy Life

Taking the Group's 35th anniversary as an opportunity, the Management Center of GCL SI organized an ESG-themed camping event, integrating leisure and ESG practices to create a platform for employees to connect with nature and enhance mutual communication, thereby promoting the integration of environmental and low-carbon concepts into corporate development and employees' lives.



Wuhu GCL SI regularly carries out a series of employee activities centered on the concept of healthy life. In 2025, a total of 74 events were held, covering 12,092 participants, including sports competitions such as basketball and badminton, as well as health-related themes, effectively fostering the physical and mental well-being of employees.



Hefei GCL SI has collaborated with third-party medical institutions to provide specialized free oral health care services for employees and offered personalized free traditional Chinese medicine consultation services to over 80 employees on the production front line, delivering professional and convenient medical and health services directly to employees and conveying its humanistic warmth.



Funing GCL SI has set up a multifunctional health station to provide employees with convenient and regular health monitoring services, including blood pressure, blood glucose, and blood oxygen measurements. This enables early detection and intervention regarding employee health issues, strengthening the workplace health protection system.

Care for Mental Health

Wuhu GCL SI addresses employees' need for psychological counseling and emotional regulation by establishing 9 part-time psychological counselor positions to provide professional psychological companionship and guidance services. During the Reporting Period, 2 mental health workshops and training sessions were conducted to safeguard employee psychological well-being.

Funing GCL SI promotes mental health awareness among employees through mental health workshops and questionnaire surveys, while also offering one-on-one mental health counseling services to help employees release their negative emotions and create a warm and inclusive workplace atmosphere.

Family Care

GCL SI places significant emphasis on caring for employees and their families. To address the childcare needs of employees during summer vacations, the Company has established a summer childcare program for employees' children. This thoughtful initiative effectively enhances employees' happiness and sense of belonging.



Employee Communication

GCL SI makes efforts to build a harmonious and open communication environment, and has established and implemented internal policies such as the Democratic Governance Communication Management Policy, the Consultation and Communication Control Procedures and the Employee Relationship Management Standards. Additionally, GCL SI has signed collective agreements with employees on various aspects, including health and safety, working conditions, training and development, and the protection of female employees. These agreements cover all GCL SI bases in the Reporting Period, ensuring that employees' fundamental rights are fully protected.

To facilitate efficient and smooth two-way communication between the Company and employees, multiple communication channels have been established:

New employee talk

GCL SI conducts on-boarding interviews and regular follow-ups with new employees to help them quickly adapt to corporate policies and culture, ensuring seamless integration into the corporate environment.

Staff forum

The Company organizes at least one Staff Forum per month, covering representatives of different employee groups. Additionally, the Company carries out interviews with core employees from time to time, to actively incorporate reasonable suggestions put forward by employee representatives.

General Manager's mailbox

The Company has established a "General Manager's Mailbox" that operates with a daily collection and prompt response mechanism. Exceptional suggestions contributing to the Company's development are duly rewarded.

Employee dormitory visits

The Company regularly conducts visits to employee dormitories, engaging in face-to-face communication and collects improvement suggestions from frontline employees. This process ensures that employee concerns are heard and addressed through timely feedback and action.

Workers' Congress

The Company has established and improved the Workers' Congress system. Regular meetings are held to discuss key issues such as compensation and benefits, career development, work environment, and workplace safety, widely listen to employee opinions, and ensure their active participation in corporate governance and decision-making.

An annual employee satisfaction and corporate climate survey is conducted, covering 6 core dimensions of logistics support, training, department atmosphere, leadership and management, security and welfare. A closed-loop feedback mechanism is in place to address findings and drive continuous improvement. In 2025, based on survey results, the Company optimized cross-department collaboration mechanisms to address key concerns, further enhancing organizational efficiency and the workplace environment.

Reporting System

GCL SI guarantees that all employees have access to legal and legitimate channels for safeguarding their rights. We encourage all employees to take the initiative to report any violations of employee rights and interests. Employees can report through the labor union of GCL SI, the official complaint and reporting platform (<http://www.gcl-power.com/en/contact/lzxx.html>) or other channels. The Company will treat whistleblower information in strict confidence. We maintain a zero-tolerance attitude towards attempt to retaliate against whistleblowers through threats, intimidation, or personal attacks and will take decisive disciplinary action against such behavior.

2025

GCL SI Employees Satisfaction Survey Score in 2025

89.2



▶ Hefei GCL SI Establishes Feedback Channels for Employee Opinions and Suggestions

Diversity, Equity and Inclusion

GCL SI advocates for a corporate culture of diversity, equity and inclusion. GCL SI has established and implemented systems such as the Management Standards on the Rights and Interests and Labor Protection of Female Employees and the Management System on Prohibition of Discrimination and Disciplinary Measures. Additionally, the Company has publicly disclosed the Equality and Diversity Policy, and committed to decisively eliminating any form of discrimination and harassment due to factors such as gender, age, ethnicity, race, nationality, religious beliefs, disability and marital status. Employees from diverse backgrounds and with different industry experiences are supported to fully demonstrate their talents and realize their own value.

To enhance employees' awareness of anti-discrimination, anti-harassment and diversity issues, the Company provides training and communication on these topics to employees. During the Reporting Period, GCL SI conducted dedicated training for all management and frontline employees based on the SA8000 Social Accountability Standard, covering the standard requirements, diversity, anti-discrimination, anti-harassment, and industry best practices. This training enhanced employees' understanding of human rights protection, equitable employment, and labor rights. In addition, the Company has established reporting and complaint channels to encourage employees to report misconduct. In 2025, GCL SI did not receive any employee complaints related to discrimination, harassment or human rights issues.

GCL SI values the development of female employees and ensures career opportunities for them. In 2025, female employees accounted for 26.40% of GCL SI's workforce, with 19.44% representation in middle management and 11.43% in senior leadership, demonstrating our strong commitment to gender equality and diversity.

2025 Highlights of Employee Diversity Care

Care for Female Employees

- Hefei GCL SI provided "Warm Welcome" care packages containing essential supplies for female employees in dormitories and office areas, and established standardized nursing rooms equipped with comfortable breastfeeding facilities and considerate amenities to enhance their sense of belonging and well-being.
- During Women's Day, the Management Center of GCL SI organized themed salons, floriculture experience, health lectures and other diverse activities to convey festive care and blessings to female employees, helping them alleviate work pressure and enrich their spiritual lives.
- Wuhu GCL SI, focusing on empowering female professional growth, hosted a Female Career Development Sharing Session during Women's Day. At the session, senior female managers were invited from the base to share their career journeys and insights, inspiring more women to break through personal barriers and shine in the workplace.



Caring for People with Disabilities

Adhering to inclusive employment principles and social responsibility, Hefei GCL SI had specifically set up the position of physiotherapist for visually impaired individuals, creating equal employment opportunities for special groups and helping them realize their own value.

Employee Training and Development

Talent is an important engine for the sustainable development of enterprises. GCL SI continuously improves its multi-channel promotion mechanisms, scientific performance appraisal systems, and systematic training frameworks to foster deep integration and synchronized progress between talent growth and enterprise development.

Talent Training

GCL SI has established a comprehensive and diverse training and development system for all employees. During the Reporting Period, the Company further optimized training management related standards and introduced the New Employee Onboarding Mentor Management System to enhance employees' professional capabilities.

The Company follows the concept of "three matrices" and systematically designs the training curriculum based on employees' abilities and career development paths. Aligned with four major career routes and seven training modules, the Company implements tiered and categorized training to address the competency development needs of employees at different levels, achieving refined talent cultivation. Employee course completion rates are incorporated as key performance and promotion indicators to encourage proactive learning and professional advancement.



The concept of "three matrices"

- **Training Target Matrix:** Establish a position system for employees based on their career development.
- **Position Skills Matrix:** Describe the core responsibilities and the work skills required for the positions.
- **Training Course Matrix:** Develop training courses corresponding to each position based on the requirements of the position skills.



Four career routes

- Management route (M)
- Professional route (P)
- Technical route (T)
- Operating route (O)



Seven training modules

- GCL SI Leadership Program (GLP)
- GCL SI Development Program (GDP)
- GCL SI Value Program (GVP)
- GCL SI Technical Program (GTP)
- GCL SI Marketing Program (GMP)
- GCL SI Operating Program (GOP)
- GCL SI New-hires Program (GNP)

The Company provides all employees with support for training and certification of academic and vocational skills. We have proactively collaborated with Shanghai Jiaotong University, Jinan University, Tianjin University of Technology, Hohai University and other colleges and universities to holistically assist employees in enhancing their professional competencies and overall capabilities.

For the development of management trainees, the Company continuously refines their Individual Development Plans (IDP). We guide trainees to collaboratively set career goals and action plans with their business mentors, aligning with both corporate strategy and personal growth aspirations, thereby providing clear career pathways for new talents.

In 2025, to strengthen the internal training system, the Company launched two specialized cultivation and certification programs for internal trainers and corporate culture instructors. These programs focus on core competency dimensions such as curriculum development, instructional delivery, and practical empowerment, aiming to elevate the overall capabilities of internal trainers.

2025 Multi-Topic Training Programs

Company-wide learning day

To enhance the technical proficiency of all employees, the Company implemented the "Company-wide learning day" series of thematic activities. These sessions engaged staff across all levels, providing support for the Company's technological upgrades and the implementation of its green and low-carbon strategy.

Lean training

The Company conducted the second phase of internal rotation training under the Excellence in Lean Program. Delivered by the internal trainer team, the training focused on core areas and engaged 74 participants, further reinforcing lean thinking across the workforce.

AI boot camp

In response to the digital and intelligent transformation strategy, Funing GCL SI introduced a specialized AI boot camp program. It cumulatively covered 316 participants, continuously enhancing employees' ability to apply AI in business scenarios.

"Hexagonal Warrior" series training program

To improve the operational efficiency of the production system, Funing GCL SI launched the "Hexagonal Warrior" professional skills enhancement program in the form of immersive theory-plus-practice. The program reached 56 participants, effectively strengthening the professional capabilities of frontline employees.

Overseas high-potential talent program

To strengthen the talent foundation for overseas business expansion, the Company launched the "overseas high-potential talent boot camp", a specialized cultivation project targeting functional and business core personnel. The program delivered diverse training focused on key areas of overseas operations, cumulatively covering over 80 participants, thereby solidifying talent support for the global market strategy.

Wuhu GCL SI's Tiered Management Capability Enhancement Training

To strengthen the comprehensive capabilities of its management pipeline, Wuhu GCL SI conducted a specialized management capability enhancement training program. For frontline and mid-to-senior management, Wuhu GCL SI offered practical management simulation training. Employing a closed-loop teaching model of "scenario simulation - practical simulation - review and discussion", the program aimed to enhance participants' practical execution and strategic implementation abilities. For frontline management, Wuhu GCL SI arranged intensive lean training camps. Through modular courses, case studies, and on-site practical exercises, the program guided participants in integrating lean thinking into their daily work.



Talent Training Performance in 2025

2025

Total number of employees trained

4,761 Persons

Total training hours

174,381 Hours

Average training hours per employee

36.63 Hours/Person

Average training hours per male employee

36.81 Hours/Person

Average training hours per female employee

36.12 Hours/Person

Average training hours for senior management level

12.49 Hours/Person

Average training hours for middle management level

147.99 Hours/Person

Average training hours for junior employees

34.21 Hours/Person

Total investment in employee training

840 RMB10,000

Fulfillment rate of training plan

100%

Talent Development

To build a solid foundation for talent growth through institutional frameworks, GCL SI has formulated internal management policies such as the Management Measures for Employee Career Development, the Management Standards for Promotion and Demotion, and the Management Measures for Position Competition. These policies collectively establish a comprehensive and standardized support system for professional career advancement.

The Company continuously optimizes its promotion mechanisms and career path structures through four promotion paths, i.e., management, professional, technology and operation. These pathways provide clear progression opportunities for employees across all domains, facilitating both vertical promotions and horizontal mobility to fully mobilize employees' intrinsic motivation.

In performance management, the Company has established and refined the Management Standards for Performance Evaluation, implementing a comprehensive monthly and annual evaluation system. Differentiated and precise performance indicators are set according to employees' functions and levels, ensuring the scientific, fair and applicability of the evaluation system. Performance outcomes serve as the primary basis for merit recognition and commendation, job appointment, training and development, bonus allocation and salary adjustment. Simultaneously, we conduct periodic face-to-face performance feedback and targeted coaching to help employees identify areas for improvement, set clear goals, and enhance their skills.

To further professionalize performance management, the Company carries out management inspections of all business divisions and functional departments at irregular intervals. These inspections cover implementation of performance management policies, target decomposition, evaluation process compliance, face-to-face interview feedback and results application, ensuring the effective execution of the performance management system.

In 2025

The coverage rate of full-time employee performance appraisal and feedback was

100%



Occupational Health and Safety

Management System

GCL SI strictly adheres to the relevant laws and regulations, including the Work Safety Law of the People's Republic of China and the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, and establishes and improves the occupational health and safety management system to ensure that the Company's work safety and employees' health rights and interests are effectively protected.

We have formulated and implemented a series of policies, including the Occupational Health Management System, the Work Safety Responsibility Assessment System, the Education and Training System for Work Safety, and the Responsibility System for the Prevention and Control of Occupational Diseases, clearly defining roles and management requirements for work safety and occupational health. In 2025, the Company introduced additional regulatory documents such as the Volunteer Fire Brigade Management System, the Safety Officer Management System, and the Safety Management System for Inspection and Maintenance. The Comprehensive Work Safety Responsibility Management System was also updated to reinforce all aspects of work safety accountability.

An effective work safety responsibility system that integrates area-based management and line management has been established. Each production base has set up a Work Safety Committee to strictly implement position-specific safety accountability systems at all levels, and continuously strengthen management's safety management capabilities. In addition, the Company has introduced departmental safety performance incentives to enhance overall safety awareness. During the Reporting Period, Hefei GCL SI, Funing GCL SI and Wuhu GCL SI all obtained the ISO 45001 Occupational Health and Safety Management System certification, covering 100% of the GCL SI photovoltaic module-related production bases.



► GCL SI's ISO 45001 Occupational Health and Safety Management System Certification

Occupational Health

GCL SI places high importance on occupational health protection, strictly adhering to the relevant provisions of the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases. The Company has established regulations such as the Occupational Disease Emergency Response Plan and the Occupational Health Management System to ensure that employees' health rights are effectively protected.

In line with the safety goal of "zero safety accidents, zero excess emissions, and zero occupational diseases", the Company has established a comprehensive occupational disease prevention and control management mechanism to effectively safeguard employees' health rights and interests. Moreover, we take the following measures to strengthen employee health protection: inform each new joiner in writing of the occupational disease hazards and post warning signs at the related positions; organize regular occupational disease physical examination for employees, complete the declaration of occupational disease hazard items; engage third parties to conduct annual inspections of workplaces that may pose occupational disease risks, and publish the inspection results; and conduct monthly testing on noise and other occupational hazards, and implement rectification measures for those whose test results exceed the limits.

In 2025, GCL SI further optimized various specific safety management measures, with a focus on technology empowerment and full participation. The Company also advanced equipment upgrades, risk prevention and control, hazard management, and process optimization to solidify the foundation of operational safety.

Safety Management Highlights in 2025

- **Deployment of AI anti-collision system:** Funing GCL SI has installed an AI anti-collision system on all forklifts. This system, relying on sensors and algorithms, dynamically monitors and analyzes potential risks, enabling graded active warnings and automatic intervention in emergencies, thereby reducing operational safety hazards.
- **Technical upgrades for enhanced safety assurance:** Wuhu GCL SI has completed safety upgrades to its battery production equipment, enhancing the intrinsic safety of equipment from the source. All employees are encouraged to participate in risk identification and strictly implement the safety briefing system for high-risk operations.
- **"Hidden danger snapshot" applet:** Hefei GCL SI has launched the "hidden danger snapshot" applet and implemented a safety points reward system to motivate employees. By 2025, there were a total of 359 bonus records, effectively improving the efficiency of hidden danger identification and enhancing the safety awareness of all employees.
- **Online point inspection system:** Funing GCL SI has established an online point inspection system for firefighting equipment, achieving refined management of the safety of firefighting equipment.



Occupational Health and Safety Performance in 2025

Disclosure Item		Unit	2025
Number of individuals with work-related health problems	Full-time employee	Persons	0
	Contractor	Persons	0
Total number of individuals with work-related injuries	Full-time employee ¹¹	Persons	3
	Contractor	Persons	0
Number of work-related fatalities	Full-time employee	Persons	0
	Contractor	Persons	0
Number of major work-related injuries (excluding fatalities)	Full-time employee	Persons	0
	Contractor	Persons	0
Days of absence due to work-related injuries	Full-time employee	Days	127
	Contractor	Days	0
Total recordable incident rate (TRIR) ¹²	-	-	0.05

¹¹ In 2025, GCL SI had 3 work-related injuries, including 1 person having foot sprained and 2 persons involved in off-site traffic accidents. Moving forward, GCL SI will implement more comprehensive measures to ensure workplace safety and provide a solid safeguard for the health and safety of its employees.

¹² TRIR = (Number of work-related recordable incidents × 200,000) / Total hours worked in the year (man-hours)

Emergency Management

To standardize the Company's emergency management, the Company has established a special group to formulate the Emergency Programs for Production Safety Accidents, which was revised and improved following expert review, and filed and registered with local emergency management agencies. In 2025, guided by the principle of "preparing for emergencies through exercises and preventing emergencies through training", the Company conducted a total of 118 drills including firefighting and emergency evacuation exercises. Through realistic scenario simulations, these drills enhanced employees' rapid response, collaborative cooperation, and efficient handling of emergencies.

Safety Promotion

GCL SI actively engages in production safety publicity and education, and the dissemination of occupational health knowledge to continuously improve employees' safety awareness and occupational health protection capabilities. For newly hired employees, the Company strictly enforces a three-level safety training program to ensure they possess the necessary safety knowledge and emergency response skills. In 2025, the Company achieved a 100% coverage rate for new employee safety training. Additionally, the Company organized specialized safety training sessions, including hazard identification and grading control training, job risk training, and equipment operation safety training, achieving comprehensive safety training coverage for all employees. In 2025, the Company conducted a total of 3,082 training sessions related to employee occupational health and safety, covering approximately 99,249 participants.

Environment, Health and Safety (EHS) Themed Month



In 2025, Hefei GCL SI and Funing GCL SI closely followed the core requirements of production safety and environmental management by launching the EHS themed month educational activities. The activities covered key areas such as electrical safety, heatstroke prevention and flood control in summer, improvement of special equipment management, fire safety promotion and traffic safety. These initiatives effectively reinforced employees' safety knowledge reserves and strengthened their EHS responsibility awareness and practical skills.



Occupational Disease Prevention Capacity Training



During the Reporting Period, Wuhu GCL SI held multiple lectures on employee health awareness and occupational disease prevention capabilities. It also invited professional management instructors to detail self-training actions for occupational disease prevention, closely integrating theoretical knowledge with physical function maintenance, thereby enhancing employees' awareness of occupational disease protection.



Responsible Supply Chain

GCL SI is dedicated to building a responsible supply chain, systematically standardizing the entire procurement process, and conducting supply chain risk management and sustainable development management to ensure the stable operation of the supply chain and enhance its resilience. GCL SI has also formulated and publicly disclosed the Business Partner Code of Conduct, clearly defining the behavior requirements for suppliers and guiding partners to jointly practice the concept of sustainable development, thereby building a clean, stable and green responsible supply chain ecosystem.

Supplier Management

To standardize supplier management, the Company strictly implements policies such as the Supplier Management Standard, the Procurement Process Control Procedure and the Supplier Management Control Procedure, clearly providing for supplier classification and grading management, supplier performance evaluation and supplier audits. It also conducts policy promotion through supplier training to ensure that suppliers are aware of, understand and comply with management requirements.

Supplier Management System

Supplier classification management

Suppliers are categorized into strategic suppliers, preferred suppliers, general suppliers, and suppliers under rectification. For suppliers under rectification, if they still fail to meet standards after rectification, the supplier exit mechanism will be initiated.

Supplier grading management

Suppliers are graded into Level 1, Level 2, and Level 3 for management based on product quality, technological advancement, importance of use, and supply capability.

Supplier performance evaluation grading

Following the principles of "quality, cost, delivery, and service", all procurement activities are subject to supplier performance evaluation, jointly scored by the requesting department, quality, technology, and supply chain departments. Based on the evaluation results, scores ranging from $90 < X \leq 100$ are Level I, $80 < X \leq 90$ are Level II, $70 \leq X \leq 80$ are Level III, and $X < 70$ are Level IV.

Supplier audits

The Company periodically revisits and audits strategic suppliers and suppliers with significant business relationships to understand their operational production status, quality assurance systems, production costs, and financial conditions, and to discuss issues and suggestions in the cooperation process.

GCL SI attaches importance to the stability and continuity of the supply chain. The Company submits monthly reports on demand and arrival plans to identify and prevent factors that could disrupt the supply chain. Additionally, the Company has explicitly stipulated force majeure clauses in procurement contracts to further mitigate and reduce risks brought by supply chain disruptions or uncontrollable factors, enhancing supply chain resilience.

In the procurement process, the Company treats enterprises of all sizes equally, strictly enforces contract terms, and eliminates the practice of overdue payments to safeguard the rights and interests of SMEs and build a fair and transparent business ecosystem.

In 2025

The Company recorded

NO instances of overdue payments to SMEs



Supplier ESG Management

Based on the effective identification, monitoring, and management of supply chain ESG risks, GCL SI has integrated ESG management requirements into the entire procurement process, and established a comprehensive supplier ESG management system to enable collaborative responsibility and create sustainable value across the supply chain.

The Company has developed a robust system of supply chain ESG management policies, clearly defining management principles and implementation guidelines. Centered on the EHS Assessment Method and the Supplier Management Control Procedure, we have formulated and implemented the Code of Conduct for Partners Social Responsibility and the Statement for Partners. These documents institutionalize and standardize core requirements such as environmental compliance, social responsibility fulfillment, and business integrity, laying a solid institutional foundation for supply chain ESG management.

In the supplier selection process, the Company has established multi-dimensional ESG admission criteria. We give preference to suppliers certified with the ISO 9001 Quality Management System, the ISO 14001 Environmental Management System and the ISO 45001 Occupational Health and Safety Management System under equal conditions. We prioritize establishing partnerships with suppliers that have obtained carbon footprint certification or those with a relatively low product carbon footprint. Additionally, a veto system is implemented to immediately disqualify suppliers providing false materials.



The Company has established a multi-tier review framework covering critical dimensions such as environmental performance, labor rights protection, and occupational health and safety. Regular verifications are conducted through on-site audits, document reviews, and cross-validation with third-party data. In 2025, Hefei GCL SI completed on-site social responsibility audits for raw material suppliers. These audits covered nine core areas, including child labor, forced labor, and occupational health and safety, with all audited suppliers meeting qualification standards. Additionally, comprehensive anti-corruption due diligence was performed for suppliers through measures such as signing anti-corruption agreements, and verifying business registration and credit information to ensure compliance with regulatory requirements.



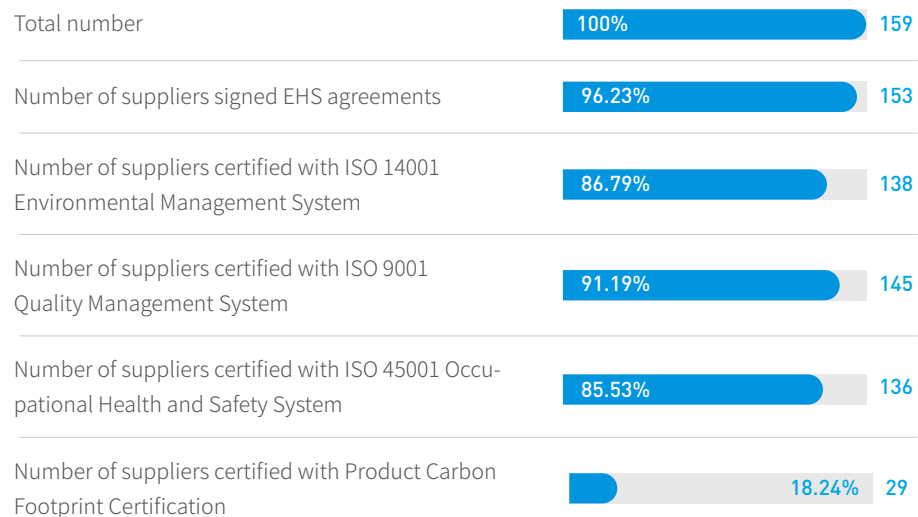
The Company continuously strengthens ESG performance requirements for suppliers by integrating ESG performance as a core indicator in the annual re-evaluation of suppliers. Suppliers involved in major safety incidents will be directly removed from the supplier database, while those violating the Partner Code of Conduct or related requirements will face sanctions including suspension or termination of the business relationship. Concurrently, the Company continuously improves its positive incentive mechanisms. In 2025, Wuhu GCL SI hosted a supplier commendation meeting to honor outstanding suppliers for excellence in quality, delivery, ESG performance, and collaborative innovation. Through the reward and punishment mechanism, the Company encourages suppliers to continuously enhance their ESG performance.



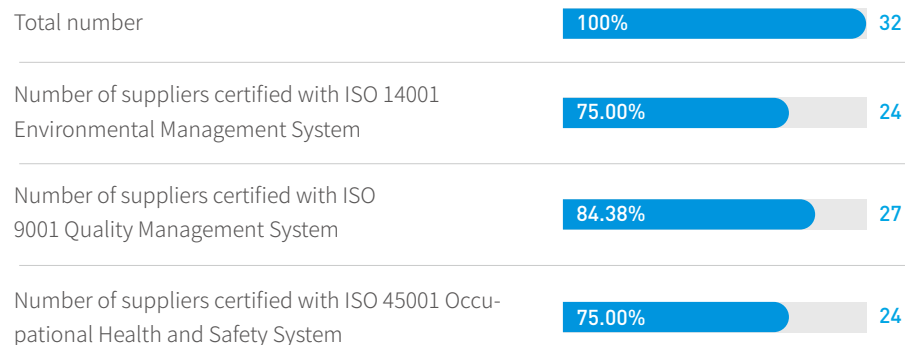
To enhance internal sustainable procurement capabilities, in 2025, the Company ensured that 100% of procurement staff received specialized training on supply chain environmental, labor, and human rights issues, equipping them with the knowledge required for sustainable management over the supply chain. In terms of supplier empowerment, we have developed a systematic supplier training management program. This program delivers targeted training on core topics such as the partner code of conduct, anti-corruption policies, human rights policies, and conflict minerals policies, empowering suppliers to improve their own ESG management systems.

Supplier Management Performance in 2025

Suppliers in Inventory Percentage of Suppliers in Inventory



Total Number of New Suppliers Percentage of New Suppliers



Conflict Minerals Management

GCL SI places high importance on conflict minerals management. The Company has released the GCL SI Conflict Minerals Commitment Statement and strictly implemented conflict minerals control policies to ensure that raw material procurement complies with international regulatory requirements and ethical standards, avoiding the indirect exacerbation of regional instability or human rights violations due to the use of minerals from conflict-affected areas.

In the production of PV modules, for materials such as tin that may involve conflict risks, the Company requires suppliers to trace the mineral sources and sign and provide a Conflict-Free Minerals Declaration along with supporting documentation. All suppliers must comply with GCL SI's Conflict Minerals Commitment Statement, and the Company also commit to never using or selling any conflict minerals. Suppliers involving conflict minerals risks have 100% signed the Conflict-Free Minerals Declaration.

Conflict Minerals Management Performance in 2025

Number of suppliers identified as posing "conflict minerals" risks

7

Percentage of suppliers which have signed the Conflict-Free Minerals Declaration

100%

Hazardous Substances Management

GCL SI strictly implements hazardous substances control and requires all raw material suppliers to provide Material Safety Data Sheets (MSDS) and RoHS Directive compliance declarations, and to sign the Commitment to Non-Use of Hazardous Substances. This ensures that raw material procurement meets environmental and safety standards, thereby reducing occupational health and environmental risks associated with hazardous substances.

Community Contribution

GCL SI actively practices social responsibility and spreads positive social values. We proactively engage in public welfare initiatives, giving back to the society with practical actions and extending warmth and care to contribute to the construction of a better community.

Volunteering Activities

At GCL SI, we pay close attention to the development needs of the communities where we operate and we encourage employees to participate in volunteer and charitable activities. During the Reporting Period, our volunteers participated in community service activities focused on providing public convenience services, spreading the green low-carbon concept, and helping the disadvantaged groups.

Highlight Volunteer Activities in 2025

Caring for people with disabilities and the elderly

Wuhu GCL SI organized volunteers to visit disabled people to deliver daily necessities and assist with household chores. Volunteers also visited the elderly living alone in the community to chat with them, check their blood pressure, and distribute supplies.

Encouraging employee participation in voluntary blood donation

Hefei GCL SI organized 10 employees to actively participate in voluntary blood donation, contributing to public welfare through concrete actions.



Caring for children with autism

On Children's Day, Hefei GCL SI organized volunteers from the "GCL Shining Volunteers" to visit the Xiaotongyan Rehabilitation Center, which is supported by the Feidong County Disabled Persons' Federation. The volunteers conducted a donation of educational supplies and provided caring companionship.



Contribution to Community Development

GCL SI actively supports community construction. During the Reporting Period, the Company allocated special funds to sponsor cultural and sports events in the communities where its bases were located, thereby fostering the integrated development of community culture, tourism, and sports and enriching the recreational lives of community residents. In 2025, Hefei GCL SI provided financial sponsorship for multiple cultural and sports events, including the Hefei National Fitness Games and the Feidong County Summer Membership Men's Basketball League and Youth Basketball Competition, helping to enhance event support and public participation. Additionally, Wuhu GCL SI served as the overall title sponsor of the 2025 Wuhu Marathon and also sponsored the Wuhu Municipal Sports Games, contributing to the development of the city's cultural and sports initiatives.



➤ "GCL SI" 2025 Wuhu Marathon

Rural Revitalization

GCL SI has actively responded to the national rural revitalization strategy and promoted the development of rural industries and regional infrastructure. The Company provides professional smart operation and maintenance services for village-level poverty alleviation PV power stations in rural areas of provinces such as Henan, Anhui, Ningxia and Hunan, effectively driving regional economic development and improving social welfare. Additionally, GCL SI actively carried out pairing assistance work. The Company provided financial support, technical assistance, and talent delivery to help improve local infrastructure and promote industrial upgrading, thereby promoting employment and economic development.

Empowering Rural Industries for Mutual Prosperity



GCL SI deepens community collaboration through production-to-retail marketing, fully bridging the "last mile" in supporting agriculture. In 2025, the Company's various production bases carried out multiple agricultural support initiatives. Wuhu GCL SI signed cooperation agreements with Henggang Community and the Wanzhi District Party Committee Office, promoting direct supply of locally distinctive agricultural products to the enterprise. Hefei GCL SI specifically sourced watermelons from local fruit farmers as summer cooling supplies for employees, bridging the gap between production and retail. Additionally, Funing GCL SI signed procurement contracts with Jinqiu Peach Orchard and the Hongmeiren Orange Farm in Baita Village, Xizhu Town, Yixing, driving the development of distinctive rural industries.



Wuhu GCL SI's Precise Employment Assistance under the "100 Enterprises Revitalize 100 Villages" Initiative



Through the "100 Enterprises Revitalize 100 Villages" partnership, Wuhu GCL SI has joined hands with Huaqiao Town in Wanzhi District to focus on employment assistance for rural revitalization, precisely matching the local community's employment needs. Wuhu GCL SI has proactively established an employment platform to effectively implement assistance measures and help the local population secure stable jobs and increase their income. By December 2025, Wuhu GCL SI had helped a total of 12 people from Huaqiao Town find stable employment, with 2 of them being newly assisted in 2025, demonstrating tangible results in its rural employment assistance efforts.



「X」cellence

Take customer needs as the inspiration for innovation and uphold open cooperation as the foundation of our development.

GCL SI remains committed to its founding mission: "focusing on green development and continuously improving the living environment for humanity". In the face of the rapidly evolving PV industry, we consistently enhance our capability for "Responses to Changes". Driven by innovation, we continuously strengthen technology R&D, upgrade product quality, and contribute tangibly to the global energy transition, injecting green momentum into a sustainable future for humanity.

Critical Strategic Goals and Annual Performance

Strategic Goals	Indicators	Performance in 2024	Performance in 2025	Unit
With 2024 as the base year, increase R&D investment by 20% by 2028.	R&D investment	21,021.69	14,951.99	RMB 10,000
By 2030 at the latest, maintain zero product recalls annually.	Number of product recall incidents	0	0	Cases
By 2030 at the latest, maintain an annual customer satisfaction score above 97 points.	Customer satisfaction score	98.5	99.8	Points
By 2030, achieve 100% coverage of IT security risk assessments across all operations.	IT Security risk assessment coverage rate	0	100	%
By 2027, ensure that all IT infrastructure and information systems of the Company are certified under the ISO 27001 system.	ISO 27001 System Certification coverage rate	0	100	%

Contribution to the UN SDGs:



Innovation-Driven Development

Adhering to the development philosophy of "technology leading and innovation-driven development", GCL SI continuously optimizes the R&D management system, promotes product innovation, enhances industrial cooperation, and drives technological breakthroughs in the field of clean energy, thus contributing to the high-quality development of the industry.

R&D Management

To strengthen the coordination of R&D resources and project management, the Company has established the Crystalline Silicon Research Institute, which is responsible for the organization, coordination, and management of research projects. GCL SI has formulated and implemented internal policies, including the Management Standards for Scientific and Technological Work, the Management Standards for Scientific Research Projects, the Design and Development Control Procedures and the Management Standards for Rewarding Scientific and Technological Achievements. These policies standardize the management process of the Company, including technological strategy management, technological incentive management, R&D project lifecycle management, technical standard management, intellectual property management, and scientific research workstation management. In 2025, the Company revised the Management Measures for the Implementation and Incentives of Scientific Research Projects and introduced a new project performance incentive scheme to further stimulate employees' enthusiasm for innovation.



R&D Platform

With strong R&D capabilities, GCL SI has undertaken 11 national science and technology projects, 26 provincial and municipal-level key science and technology projects. By the end of the Reporting Period, the Company had a total of 293 R&D personnel, and our 2025 R&D expenses were RMB149.52 million. GCL SI owns 5 high-tech enterprises, 1 national postdoctoral workstation, 3 provincial and municipal-level engineering technology research centers, 4 provincial and municipal-level enterprise technology centers, 2 national green factory and 2 provincial-level intelligent factories, providing a solid foundation for the Company's technological innovation.

R&D Performance in 2023 to 2025

Disclosure Item	Unit	2023	2024	2025
R&D expenses	RMB10,000	14,640.12	21,021.69	14,951.99
R&D expenses as a percentage of revenue	%	0.92	1.29	0.97
Number of R&D personnel	Persons	240	329	293
R&D efficiency ¹³	Items per person	0.38	0.24	0.80

¹³ R&D Efficiency = Number of New Patent Applications Filed Annually / Number of R&D Personnel

Leading Innovation

GCL SI continues to advance the transformation and implementation of innovative R&D results in product development, enhancing the efficiency and reliability of new technologies applied in its products.

Module Product Innovation

GCL SI continuously enhances the efficiency of module products while broadening their application scenarios. We are advancing the development of innovative PV products such as flexible modules, colored modules, container-based PV systems, and foldable solar packages. Our GPC 2.0 module has obtained TÜV Rheinland certification, validating that its performance meets international standards. This module offers a triple advantage in distributed scenarios through capacity, profitability, and reliability, demonstrating significant competitiveness in the distributed PV market.

Empirical Data of Lotus High-Efficiency Modules Earns Authoritative Certification



In March 2025, GCL SI released the empirical results of its "Lotus" high-efficiency modules, which received full-process validation from TÜV Rheinland. Using a dual-array comparative model and based on four months of operation and maintenance monitoring, the test results showed that the "Lotus" modules, featuring an innovative anti-dust frame design, deliver 4.8% more power per watt compared to conventional products, demonstrating a notable efficiency edge. This empirical test employed high-precision equipment and all-dimensional monitoring to ensure data accuracy, with the results gaining international recognition. GCL SI will accelerate the technological iteration and capacity-oriented implementation of this module, empowering the global energy transition with high-efficiency products.



Battery Product Innovation

GCL SI has entered multiple advanced battery technology sectors, achieving substantial results. Our GPC solar cell and 210N-type TOPCon solar cell has received international authoritative certifications from TÜV NORD and TÜV Rheinland, respectively, confirming that their core performance and quality meet international standards and demonstrating the Company's technological strength and product competitiveness.



➤ GPC Solar Cell Received Authoritative Certification from TÜV NORD

New Breakthrough in Perovskite Tandem Cell Technology



In December 2025, the GTC perovskite tandem solar cell of GCL SI was certified by the National Solar Photovoltaic Product Quality Supervision and Inspection Center, achieving a power conversion efficiency of 33.31%, placing it among the global top tier. This breakthrough relies on three core technologies: submicron-level optimization of crystalline silicon for enhanced spectrum utilization, a "cation mixing" strategy for current coordination, and multi-site passivation technology for grain boundary stabilization. We innovatively adopted a differentiated 3T structure to overcome the current matching challenge inherent in 2T structures, while significantly reducing the BOS cost associated with 4T structures, thereby balancing performance, cost, and manufacturability. GCL SI has established a comprehensive patent system covering underlying device structures, key interfacial materials, core processes, and testing standards. We have also taken the lead in drafting the testing protocol for BC perovskite tandem cells, driving industrial value enhancement through technological breakthroughs.

Innovative Solutions

GCL SI's subsidiary, GCL Green Energy, conducts research and develops innovative solutions across multiple technological domains, including multi-energy complementary technologies, integrated energy systems for industrial parks, and hybrid solar-storage configurations, continuously advancing the sophistication of the solutions.

Developing an Innovative Integrated Energy Technology Solution for Industrial Parks



GCL Green Energy focuses on innovating integrated energy solutions for industrial parks, concentrating efforts on four key technological areas: multi-energy complementarity, hydrogen coupling, digital intelligent platforms, carbon management, and Carbon Capture, Utilization, and Storage (CCUS). GCL Green Energy has established an interconnected multi-energy flow architecture for electricity, heat, cooling, and gas, and developed a Mixed-Integer Nonlinear Programming (MINLP) model to coordinate energy supply and demand. It has also advanced breakthroughs in industrial substitution technologies, including green hydrogen production and storage, as well as hydrogen metallurgy. Furthermore, GCL Green Energy has built a digital twin system with an error rate below 3% and an AI dispatching engine capable of second-level response, while also deploying high-efficiency carbon capture, storage, and carbon resource utilization technologies. The project has 1 utility model patent application under review and 2 registered software copyrights, providing core support for the development of zero-carbon industrial parks through technology-coupled innovation.

Intellectual Property Protection

GCL SI strictly abides by laws and regulations such as the Trademark Law of the People's Republic of China and the Patent Law of the People's Republic of China. Besides, the Company has formulated and strictly follows internal policies such as the Intellectual Property Management Standard, the Patent Management Standard, the Trademark Management Standard and the Copyright Management Standard to comprehensively regulate the protection of intellectual property rights. Furthermore, the Company has obtained certification for intellectual property compliance management system. By the end of 2025, GCL SI had a total of 826 patents, an increase of 26% from the previous Reporting Period, and was awarded honors such as the title of "Shanghai Intellectual Property Model Enterprise" and "Patent Pilot Enterprise in Shanghai Fengxian District".

By the end of 2025

GCL SI had a total of

826 patents

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from the previous Reporting Period



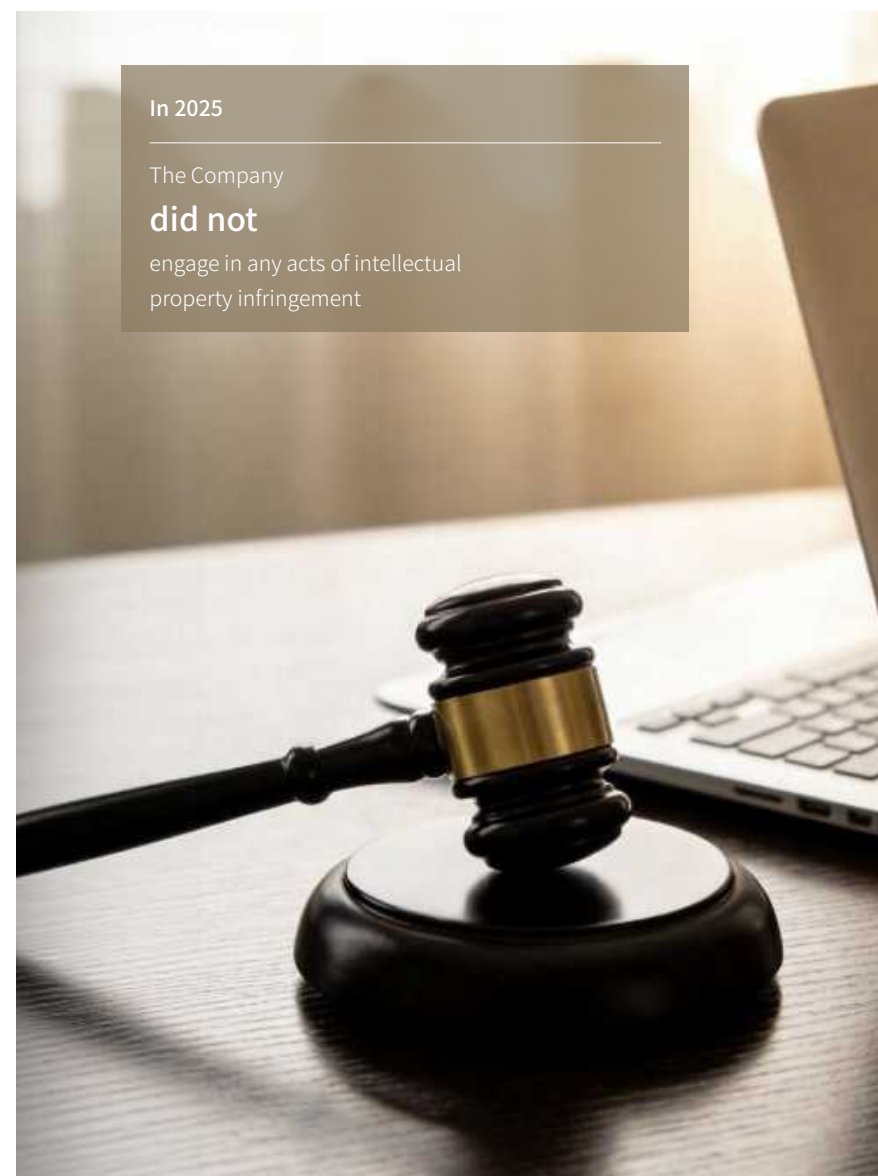
➤ GCL SI Intellectual Property Compliance Management System Certificate

GCL SI has established a comprehensive intellectual property tracking and management mechanism, continuously advancing the registration, filing, and legal confirmation of intellectual property rights. The Company requires all departments to dynamically monitor the registration and licensing status of intellectual property such as trademarks and patents, and to immediately coordinate with the intellectual property management department to address any infringement risks as soon as they are identified. Additionally, the Company regularly conducts intellectual property awareness campaigns and training to strengthen all employees' awareness of intellectual property protection.

To prevent the Company from infringing on intellectual property rights of others, the Company has established an intellectual property retrieval system, covering various aspects such as product and technology R&D, creation of the work, the use of trademark, imports and exports, participation in exhibitions, and advertising, which helps avoid intellectual property disputes. Moreover, the Company incorporates intellectual property compliance requirements into contractual terms, clearly defining the rights and obligations of both parties, outlining arrangements for preventing third-party infringement risks to protect both parties' intellectual property rights when cooperating with suppliers or other partners.

Performance for Intellectual Property Protection in 2025

Disclosure Item	Unit	2025
Cumulative number of patents authorized	Items	826
Cumulative number of invention patents authorized	Items	99
Cumulative number of trademarks and copyrights held	Items	28
Cumulative number of software copyrights held	Items	48
Number of new patent applications of the year	Items	233
Number of new authorized patents of the year	Items	170



In 2025

The Company

did not

engage in any acts of intellectual property infringement

Industry Collaboration and Exchange

GCL SI deepens collaboration and exchange within the industry, working closely with partners across the photovoltaic industry chain to drive innovation, jointly advance the sector's high-quality development, empower the global energy transition, and foster a mutually beneficial and sustainable industrial ecosystem.

Industry Collaboration and Exchange

GCL SI actively participates in various industry exhibitions, showcasing pioneering PV solutions for global energy market, and sharing core technological breakthroughs and achievements with industry partners.

Cutting-Edge Technology Shined at Intersolar Europe 2025 in Munich



In May 2025, GCL SI showcased at the Intersolar Europe 2025 in Munich, presenting its GPC 2.0 module—making its European debut—and its all-scenario PV solution. During the exhibition, GCL SI secured project cooperation agreements with international enterprises such as Galp and Unieqa, obtained the "Top Performer" module supplier certification from Kiwa-PVEL, and shared the achievements of its independently developed "GCL Carbon Chain" during a roundtable discussion. Through technological innovation and open collaboration, GCL SI works together with all sectors to co-create a new blueprint for green energy.



Attending the 7th Future Energy Convention



In October 2025, GCL SI participated in the 7th Future Energy Convention. At the "AI + Energy" themed forum, Zhang Ge, Senior Director of Digital Operations at GCL SI, delivered a speech titled "GCL Carbon Chain + AI Unlocks New Codes for the Green Energy Transition". He shared the Company's innovative practices in low-carbon and digital-intelligent transformation through the integration of carbon chain technology and AI empowerment.



Industry Cooperation

GCL SI, with its leading product strength and solution capabilities, has established strategic partnerships with numerous domestic and international partners. The Company has also joined the Global Solar Sustainable Alliance and the Association of Renewable Energy Generators in Guatemala, further deepening industry-wide collaboration and cooperation.

Strengthening International and Domestic Cooperation

China: Leveraging the technological and product strengths, GCL SI won the bid for three PV module sections in South China of China Resources Power and won a major order for 1.8 GW modules. The Company also signed a 1.2 GW PV module contract with Shenneng Hefeng New Energy. Securing high-value orders demonstrates the Company's strong competitiveness in the industry.

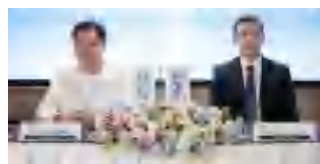


Middle East: GCL SI signed a milestone strategic cooperation agreement with ACWA Power. By integrating their respective technological, capital, and resource strengths, the two parties are deepening collaboration across multiple fields including wind power, photovoltaics, and energy storage, working together to build a green energy hub between China and Saudi Arabia.



South America: GCL SI signed a strategic cooperation agreement with VMV Solar, authorizing it as an official distributor to promote technological adoption and energy transition in the Mexican market with high-quality PV modules.

Southeast Asia: GCL SI signed a cooperation agreement with GPSC (Thailand). The two parties collaborate in green energy, computing infrastructure, energy storage, and carbon capture, empowering Southeast Asia's energy transition with an integrated "power + computing + green energy + storage" solution.



Standard Setting

GCL SI actively participates in the formulation of PV industry standards. In 2025, GCL SI led the development of the national standard Green Product Assessment: Photovoltaic Modules and Inverters. The Company also contributed to several other national standards, including the Greenhouse Gases - Quantification Methods and Requirements of Product Carbon Footprint, the Greenhouse Gases - Quantification Methods and Requirements of Product Carbon Footprint - Photovoltaic Inverters, and the Guidelines for the Construction of Zero-Carbon Industrial Parks. Additionally, GCL Green Energy participated in the development of group standards such as the Design Standard for Distributed Energy Storage in Photovoltaic-Energy Storage-Direct Current-Flexibility (PEDF) Power Distribution Systems and the Design Standard for PEDF Power Distribution Control and Management Systems.

Industry Association

GCL SI maintains close communication with mainstream industry associations, and actively participates in industry exchanges, standards discussions and relevant thematic activities, in an endeavor to jointly promote the high-quality development of the green energy industry.

Organization Name	Role of GCL SI
China Chamber of Commerce for Import and Export of Machinery and Electronic Products, PV Branch	Vice Chairman Unit
Jiangsu International Chamber of Commerce	Vice Chairman Unit
Shanghai Solar Energy Society	Vice Chairman Unit
China New Energy Chamber of Commerce (CNECC)	Executive President Unit
China New Energy Overseas Development Alliance	Chairman Unit
China Photovoltaic Industry Association, Household PV Professional Committee	President Unit
China Photovoltaic Industry Association, Intellectual Property Professional Committee	Standing Committee Member Unit
600W+ PV Open Innovation Ecosystem Alliance	President Unit
Global Solar Council	Member

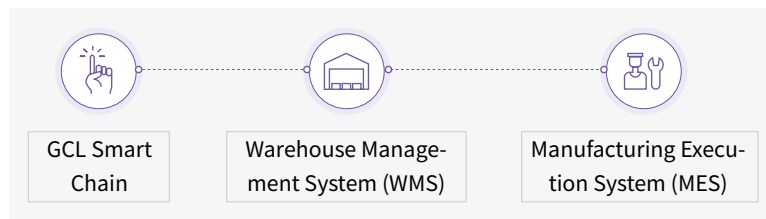
Product Safety and Quality

GCL SI always adheres to the quality management policy of "Full Participation, Continuous Improvement, Value-added Services, and Customer Satisfaction". Through the digital quality management system, quality training and other initiatives, the Company continuously enhances product quality, creating a corporate culture focused on "company-wide quality".

Quality Management System

GCL SI strictly complies with relevant laws and regulations, including the Product Quality Law of the People's Republic of China and the Standardization Law of the People's Republic of China, and conducts its quality management in accordance with the internationally recognized standards for quality management systems. During the Reporting Period, Hefei GCL SI, Funing GCL SI, and Wuhu GCL SI all obtained the ISO 9001 Quality Management System Certificate and passed the annual verification, covering all of GCL SI photovoltaic module-related production bases. Furthermore, Hefei GCL SI and Funing GCL SI also obtained the IEC 62941 Quality Management System for PV module manufacturing.

The Company continuously improves the quality management system, and has established and implemented a series of management regulations, including the Integrated Management Manual, the Product Monitoring and Measurement Control Procedure and the Non-Conforming Product Control Procedure. In 2025, the Company conducted an integrated revision of multiple policies, including the Integrated Management Manual, to strengthen process control and risk prevention. GCL SI continues to advance the digitalization of its quality management system by independently developing whole-process quality management information systems, including the "GCL Smart Chain", Warehouse Management System (WMS), and Manufacturing Execution System (MES). These digital systems enable us to collect and analyze data in real time from the entire production process and significantly improve production efficiency and product quality.



Optimizing Quality Process

GCL SI continues to upgrade its quality management technology, adopting digital techniques for quality inspection. This has significantly enhanced inspection efficiency and quality levels. The Company has also established industry-leading fully automated production lines with an automation rate exceeding 80%. In addition, GCL SI's photovoltaic testing center has obtained certifications from authoritative international certification bodies such as the China National Accreditation Service for Conformity Assessment (CNAS) and TÜV Rheinland and passed their annual reviews. This provides a reliable guarantee for product quality.

The Company assigns a unique barcode to each product, enabling full-process traceability of quality control. For every identified or potential defect, cross-functional teams from manufacturing engineering, R&D, and quality assurance conduct root cause analysis, develop and implement targeted corrective/preventive actions (CAPA), and validate effectiveness in a timely manner. In 2025, the Company did not recall any product.

2025 Quality Enhancement Initiatives

Battery BU

- **Introduction of an intuitive gray level homogeneity sorting solution:** Guided by a customer-centric approach and production efficiency, an intuitive gray level homogeneity sorting solution was introduced to meet customers' requirements for product brightness, while supporting efficient production.
- **Breakthrough in open circuit voltage (OCV) sorting technology:** Through innovative methods, the impact of environmental variables such as temperature on testing stability was effectively mitigated, significantly reducing data fluctuations during the inspection process and improving the consistency and reliability of testing.

Module BU

- **Ongoing product management system development:** Efforts were made to develop a lifecycle reliability management system covering the entire process from R&D, supply, production, logistics to after-sales, enabling reliability control throughout the entire product lifecycle.
- **Multiple measures to empower quality control:** A better proposal program was implemented to drive quality improvement, soliciting quality optimization ideas and improvement projects from all employees. Concurrently, AI technology was introduced to empower quality control, leveraging its capabilities in data analysis and intelligent monitoring to precisely manage quality risks across the entire production process.

GCL SI has established routine quality communication and joint improvement mechanisms with suppliers, optimizing key quality indicators through dedicated workshops and on-site coordination. In 2025, Wuhu GCL SI engaged in in-depth discussions with suppliers on wafer performance and key dimensional issues for BC projects, tightening quality standards and defining mass-production solutions, thereby achieving efficiency gains and steady project advancement. Hefei GCL SI conducted multiple technical exchanges with suppliers on core raw and auxiliary materials such as glass, EVA & POE, and solder strip, focusing on process parameters, inspection criteria, and closed-loop improvement to drive simultaneous upgrades in materials and processes. Funing GCL SI collaborated with suppliers to conduct special analyses and implement rapid corrective actions for quality deviations involving EVA & POE, glass, and cells, effectively reducing defect rates and continuously strengthening the quality of the supply chain.

Quality Culture Promotion

To improve the quality awareness and quality capability of all staff, during the Reporting Period, the Company organized multiple quality training and awareness activities, effectively communicating with employees on key challenges in the quality management system and practical operations, thereby promoting employees' understanding and implementation of quality standards.

Suggestions and process optimization

The Battery BU launched the "Everyone Picks Flaws" campaign, encouraging employees to identify non-compliance and quality risk points in processes, operations, and system documents. A total of 1,540 rational suggestions were collected, of which 200 were adopted, effectively improving the Company's operational processes and ensuring product quality.

Quality knowledge promotion

Using "Quality Month" as a platform, a series of online and offline activities were carried out including quizzes, knowledge contests, thematic training, assessment spot-checks, and case reviews. Concurrently, a quality "red and yellow line" management system was implemented to clarify quality standards and ethical boundaries, popularize quality and safety knowledge, and strengthen quality awareness and vigilance among all employees.

2025 Quality Culture Promotion

Job skills enhancement

The Module and Battery BUs organized multiple skill-building sessions and soldering-repair competitions covering key competencies such as production operations, quality inspection, equipment maintenance, and soldering-repair techniques, comprehensively enhancing employees' professional skills and operational proficiency.

Benchmarking and incentives

The Module BU conducted a "Quality Star" selection, recognizing outstanding employees in quality control and improvement innovation, establishing quality benchmarks, and fostering a positive quality culture. The Battery BU regularly holds monthly quality experience-sharing sessions, commendations for outstanding employees across various modules and special incentive activities to select and promote quality role models. These benchmark initiatives inspire all employees to enhance their quality awareness, thereby driving quality control and continuous improvement to greater depth and effectiveness.



Quality and Safety Training Performance in 2025

Disclosure Item	Unit	2025
Total number of training sessions	Times	1,200
Total training hours	Hours	3,921
Total number of employees trained	Persons	18,487

Customer Service

A robust and efficient customer service system is a crucial link in ensuring user experience, strengthening market trust, and achieving sustainable development. GCL SI enhances customer satisfaction by continuously refining service processes and response mechanisms. At the same time, the Company practices responsible marketing, placing high importance on customer needs and rights. By establishing long-term customer relationships based on integrity and transparency, GCL SI promotes the Company's stable growth.

Customer Service System

GCL CL has established an advanced customer service system and formulated internal policies such as the Control Procedures for Customer Requirements and the Management Regulations for Customer Complaints. In 2025, the Company further updated customer service policies including the Customer Satisfaction Measurement and Analysis and the Scenario-based Application Support Service Standards, standardizing the handling process for customer complaints and feedback to ensure timely, reasonable, and effective resolution of customer concerns.

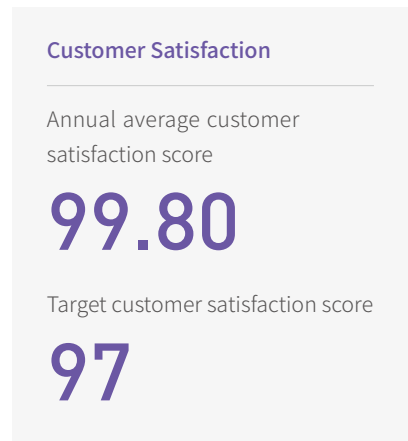
The Company has set up a regular-return-visit system in the After-sales Department to ensure timely responses to customer feedback. During the product delivery process, the Company dispatches its after-sales team to the customer's site to assist with the delivery. Within three months of product delivery and implementation, the after-sales team conducts a follow-up visit to assess customer satisfaction, while also inspecting the product's appearance and operational efficiency.

The Company places a high priority on ensuring the smoothness and timeliness of the after-sales handling process. Customers can reach out to us via our 24-hour service hotline and public email. In 2025, the Company updated its complaint handling process. For after-sales issues reported by global customers, we commit to the following: Reply to customer inquiries within 1 working day after receiving their request. Complete the assessment of customer requests within 3 working days. Provide corrective and preventive measures within 5 working days after the assessment is completed. This approach ensures a convenient and efficient service experience for our customers.



Customer Satisfaction

To consistently enhance customer experience, GCL SI has established a customer satisfaction survey and improvement mechanism. The Company has established and implemented internal systems such as the Customer Requirements Control Procedure, the Customer Satisfaction Management Standards, and the Customer Satisfaction Measurement and Analysis. We send out the Customer Satisfaction Survey Form to customers at least once a month to assess satisfaction from both product and service perspectives. In response to customer feedback, we collaborate with departments such as process and production to address and effectively resolve the issues quickly, thereby enhancing customer satisfaction.



Responsible Marketing

The Company upholds the principles of honest operation and responsible marketing, strictly complies with the Advertising Law of the People's Republic of China and other laws and regulations. On such basis, we have established a compliance audit mechanism for products and services to effectively safeguard customers' right to know. Moreover, we conduct compliant marketing awareness training on a regular basis. In 2025, GCL SI organized multiple responsible marketing training sessions for employees as well as domestic and international distributors, covering topics such as sales law and business norms, to enhance staff awareness of responsible marketing.



Data Security and Privacy Protection

GCL SI attaches great importance to information security and privacy protection. The Company strictly abides by applicable laws and regulations such as the Data Security Law of the People's Republic of China, the Personal Information Protection Law of the People's Republic of China and the Administrative Measures for the Graded Protection of Information Security. GCL SI has formulated internal management systems, including the Network System Management Standards, the Database System Management Standards, the Information and Data Security and Mobile Media Confidentiality Management Standards to regulate data processing activities and protect customer privacy. In 2025, the Company obtained the ISO 27001 Information Security Management System Certification, which covers the GCL SI Management Center, the Module BU, and the Battery BU.



► GCL SI ISO 27001 Certification

GCL SI has established a comprehensive information security governance structure, with the Chief Operating Officer (COO) serving as the ultimate responsible person for the Company's information security management. The COO is responsible for formulating information security strategies aligned with the overall corporate strategy and leading the efforts of all departments. The Information Security Team, composed of personnel from the Company's management center and relevant responsible departments across subsidiary bases, is responsible for the specific implementation of information security initiatives.

The Company has established an all-around information security management system, through which we can exercise standardized controls over equipment use, system protection, network security, and server room management, ensuring that confidential information and data are effectively protected across their entire lifecycle, including collection, storage, processing, transmission, use and destruction. The Company has formulated an incident response procedure (IRP) to promptly handle violations such as information leakage. Moreover, we conduct regular security risk assessment and internal audit on an annual basis, promptly rectifying any issues identified. In 2025, the Company reported none of violations against information security or data leakage incidents, nor were there any confirmed complaints regarding the infringement of customer privacy or the loss of customer information.

In response to potential data security risks arising from the use of AI large models, the Company has conducted relevant risk assessments and formulated the Administrative

Measures for AI Large Model Usage and Data Security. This policy clearly defines the management responsibilities of the Management Center's Digital Department, the Digital Departments of various BUs, and individual employees. Furthermore, it sets out detailed regulations regarding AI data classification, protection protocols, and usage standards to strictly prevent AI-related data risks.

The Company regularly conducts data security training on multiple topics such as types, cases, and response measures of information security risks, so as to continuously promote data security and privacy data protection policies, and strengthen employees' awareness and ability for information security protection. In 2025, the Company achieved 100% coverage rate for employee training on information security.

In 2025

The Company achieved

100%

coverage rate for employee training on information security



「T」rust

Solidify the foundation of mutual trust through transparent communication, and enhance partnership through shared responsibility, to jointly build an open, collaborative and sustainable business ecosystem community.

Adhering to the concept of mutual trust in business, GCL SI has established a high-standard modern corporate governance system, and upholds business principles of fair competition and honest operation. The Company places emphasis on the independence and diversity of the Board, transparent information disclosure and investor communication. Therefore, the Company continuously enhances risk management and internal compliance control systems, and strictly observes business ethics, to foster a fair, just and well-regulated business environment.

Critical Strategic Targets and Annual Performance

Strategic Goals	Indicator	Performance in 2024	Performance in 2025	Unit
By 2030 at the latest, maintain a 100% internal audit coverage rate for all business entities and subsidiaries every two years.	Internal audit coverage rate	100	100	%
By 2030 at the latest, maintain the problem rectification completion rate at audits of over 95%.	Problem rectification completion rate	100	100	%
By 2030 at the latest, ensure annual training on conflicts of interest, anti-fraud, anti-money laundering, and anti-unfair competition topics covers all employees.	Training coverage rate on conflicts of interest, anti-fraud, anti-money laundering, and anti-unfair competition topics	100	100	%
By 2030 at the latest, conduct at least one corruption risk assessment covering all locations annually.	Corruption risk assessment coverage rate	100	100	%
By 2030 at the latest, maintain a 100% signing rate for the Integrity Commitment Letter among all employees.	Employee integrity commitment letter signing rate	100	100	%

Contribution to the UN SDGs:



Corporate Governance

Diversity and Independence of the Board

GCL SI places great emphasis on keeping the independence of the Board. To ensure that independent directors perform their duties effectively, the Company continuously improves the internal rules and regulations, such as the Articles of Association, the Rules of Procedure for Shareholders' Meetings, the Rules of Procedure for the Board of Directors, the Rules of Procedure for the Board of Supervisors and the Working Policy for Independent Directors, which stipulate the rights, obligations, nomination and election procedures, and mechanism for exercising special authorities of independent directors. By doing so, we can ensure that independent shareholders can fully exercise professional supervision and independent decision-making functions. As of the end of the Reporting Period, the Board of GCL SI comprised 9 directors, including 3 independent directors and 1 female director.

The diversity of the Board helps streamline the decision-making process, gathering diverse wisdom and experience. The existing board members are equipped with profound professional expertise and rich hands-on experience in fields of PV, finance, and risk management. With their diverse professional backgrounds and perspectives, the board members can support the Company's strategic planning with their strong decision-making skills.

Board Members' Professional Backgrounds

	Zhu Gongshan	Zhu Yufeng	Sun Wei	Cui Xiaolong	Ma Junjian	Jiang Weipeng	Cheng Bo	Zhang Lijun	Huo Jiazhen
Gender	Male	Male	Female	Male	Male	Male	Male	Male	Male
Position	Director	Chairman	Director	Employee Director	Director	Director	Independent Director	Independent Director	Independent Director
PV Industry	✓	✓				✓			
Energy Industry	✓	✓							
Sustainable Development	✓				✓		✓		
Financial Management			✓				✓		
Legal Management								✓	
Corporate Management	✓	✓	✓	✓	✓	✓			✓
Risk Management							✓		

Corporate Governance Performance in 2025

Annual general meetings

7 Times

Board meetings

14 Times

Transparent Disclosure and Investor Relations

GCL SI has established and followed the Measures for the Administration of Information Disclosure, striving to make detailed and timely information disclosure in an effort to enhance market trust. During the Reporting Period, the Company issued 145 announcements covering key topics such as financing, periodic reports, related-party transactions, equity incentives, meeting resolutions, and legal compliance. In 2025, the Company revised and improved the Investor Relations Management Guideline, and enhanced two-way communication with investors by means of investors' on-site visits, thematic investor presentations, regular performance briefings, and real-time responses to market concerns through online platforms.



Transparent Disclosure Performance in 2025

Investors' on-site visits

19 Times

Investor presentations

62 Times

Performance briefings

1 Time

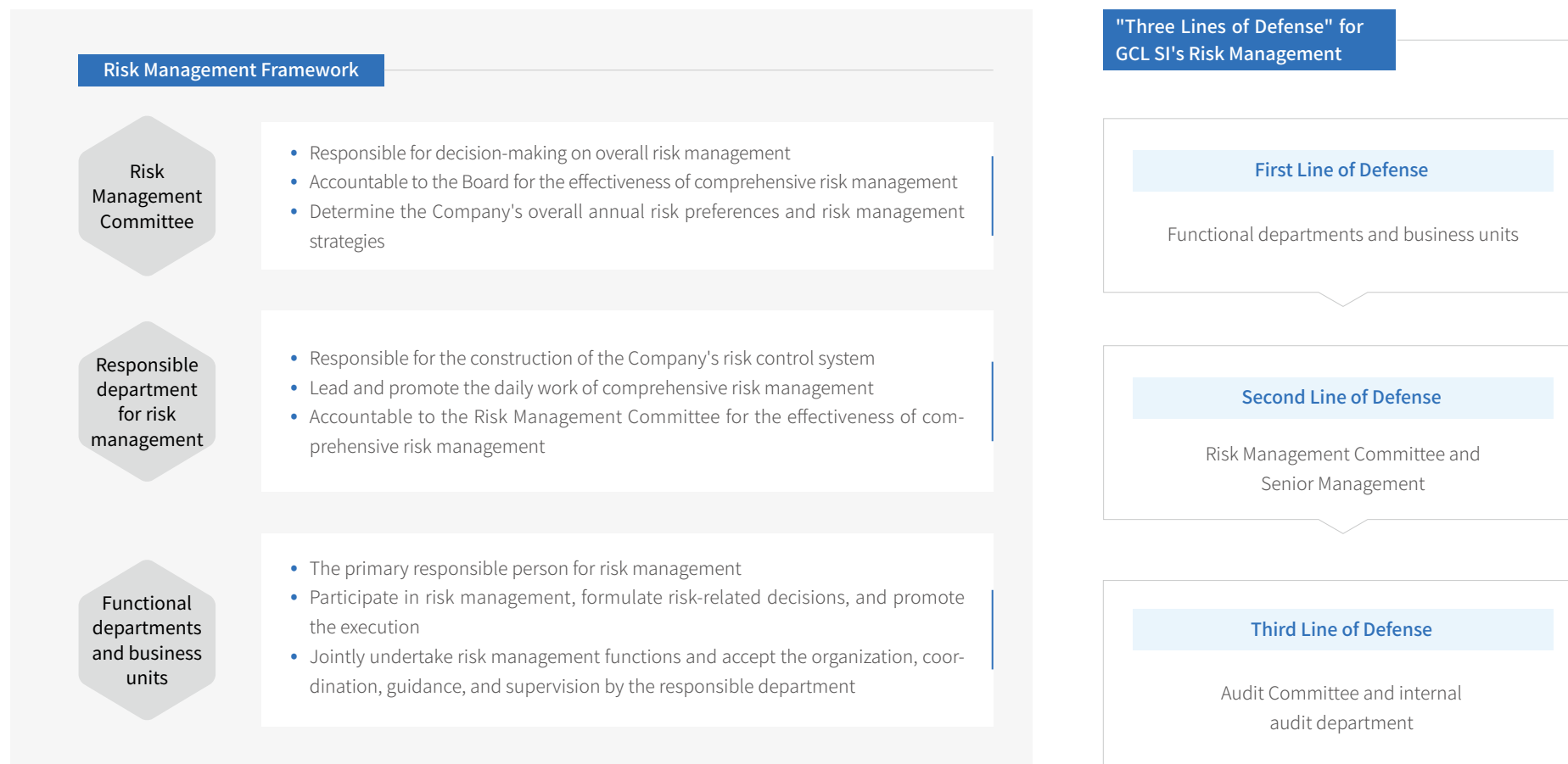
Q&A on exchange interactive platforms

92 Times



Compliance and Risk Management

GCL SI has established an effective risk management system based on the Company's strategies and operation objectives. Additionally, the Company has formulated the Comprehensive Risk Management Standards, and improved the operating mechanism, cultivated a compliance culture, to continuously strengthen risk control capabilities. The Company has established a risk management organizational system characterized by corporate governance structure, responsible department for risk management, and risk management responsibilities shared by all functional departments. The Company has also built a "three lines of defense" system for risk management, integrating the risk management requirements into the Company's management and business processes to ensure effective risk prevention and control.



Upholding the core risk management concept of "Early Involvement, Indicator Tracking, and Risk Communication", GCL SI has embedded risk management deeply into key business processes such as key project reviews and critical process approvals in a bid to achieve risk prevention at source. The Company adopts quantitative risk indicators to enable dynamic monitoring and timely warnings for key business processes, continuously sharpening the ability to identify and respond to risks.

Highlights of Risk Management in 2025

Iteration of the digital risk control platform



We pushed forward the on-going iteration of the digital risk control platform, and prepared a risk control data manual, achieving digitalization of risk data and indicators, and effectively enhancing the precision and efficiency of risk prevention and control.

Major project risk assessment and control procedures



For major investment, technology transformation, and infrastructure projects, we conducted in early risk assessment. Throughout the year, we conducted risk assessments on the proposals for several major technology transformation and investment projects, effectively reducing potential project risks.

Risk maps and control matrices



We integrated risk control into business processes by preparing business risk maps and control matrices. In the areas of engineering technology transformation, R&D, and other business, we helped staff gain clear knowledge of potential risks and management responsibilities through process clarification, thereby underpinning the steady development of business.

Risk inspection mechanism



The Company has established a three-in-one risk inspection mechanism covering the company-wide operations, business processes and major projects, clearly defining internal work divisions, management approaches, and working mechanisms for different types of risks, thereby achieving all-around risk control.

Risk assessment system



The Company has established a risk assessment system covering all business segments and levels, ensuring comprehensive risk assessment from project planning to daily operations, and from front-line departments to management.

The Company attaches great importance to compliance training and the building of an all-hands risk control line. In 2025, the Company carried out more than 10 "targeted" tiered training sessions covering core topics such as conflicts of interest, anti-fraud, anti-money laundering, and anti-unfair competition, effectively enhancing employees' awareness of risk management and compliance.



Anti-Bribery and Anti-Corruption

Always adhering to the principles of clean business operations, GCL SI strictly complies with laws and regulations such as the Criminal Law of the People's Republic of China and the Company Law of the People's Republic of China. We resolutely resist any form of corruption acts, striving to foster an honest, fair, and transparent business environment. The Company has established policies and standards such as the Anti-Corruption Policy, the Anti-Bribery and Integrity Agreement, and the Anti-Fraud and Reporting Management Standards, adopting a "zero-tolerance" stance towards acts of corruption, bribery, and conflicts of interest.

For internal audit, the Company has formulated and implemented the Company Internal Audit Work System and Standard Guidelines, and regularly conducts various internal audits, including business ethics audits. In 2025, the Company conducted a total of 26 internal audits covering areas such as investment, costs and expenses, and informatization. A total of 146 risk points were identified, and the rectification rate reached 100%. Moreover, the Company conducted 1 corruption risk assessment covering all operational sites in a bid to continuously enhance risk prevention and control.

GCL SI is committed to cultivating a clean and compliant business environment. To provide a reliable cooperation platform for partners, the Company signs the Anti-Bribery and Integrity Agreement with suppliers to clearly define the responsibilities of both parties for integrity through contracts. In the process of bidding, procurement, construction and contract performance, employees are strictly prohibited from soliciting, offering or receiving bribes, kick-

backs or other improper benefits, as well as from accepting gifts in violation of regulations and disclosing confidential information on procurement or project. The Company promotes integrity policies by conducting anti-corruption training for suppliers at the bidding stage and regular integrity meetings, to strengthen the ethical awareness of partners and encourages all parties to adhere to business ethics. In 2025, neither the Company nor the employees were involved in any violations or litigation cases related to fraud, embezzlement or corruption.

The Company has established clear reporting acceptance and handling procedures, reporting channels, and applicable reward and incentive mechanisms, to encourage employees or other stakeholders to report any known or potential misconduct. In addition, the Company has established a rigorous whistleblower protection mechanism, strictly prohibiting the disclosure of whistleblower information or reporting content to the reported parties, thereby preventing information leakage and loss of materials. For individuals suspected of leaking confidential information in breach of regulations or retaliating against whistleblowers, once verified, they will be subject to the termination of employment contracts and permanent ineligibility for rehire. In 2025, the Company conducted walkthrough tests on reporting channels and handling procedures to ensure their on-going effectiveness.

Reporting channels



Employees at all levels of the Company and related parties with direct or indirect economic relations with the Company can report through letters, supervision emails (including but not limited to jubao@gcl-power.com), supervision phone (512-68538110), interviews and other forms.

The Company values the cultivation of integrity culture and compliance awareness. To this end, the Company has built a tier- and category-based integrity training system, embedding anti-corruption training into employee promotion and new employee training programs. Moreover, the Company runs executive training camps for directors, supervisors, and senior management. While focusing on core topics such as laws, regulations and company policies, training content also includes real cases for warning education. In addition, the Company has introduced an intelligent learning platform, which allows for immersive case simulations and multi-scenario compliance decision-making exercises, significantly improving business departments' capabilities for risk identification and mitigation. During the Reporting Period, the Company achieved a 100% coverage rate for anti-corruption and business ethics training for directors and employees.

Anti-corruption Training Performance in 2025

Disclosure Item	Unit	2025
Coverage rate of anti-corruption training for directors	%	100
Coverage rate of anti-corruption training for employees	%	100
Number of anti-corruption training sessions for Directors	Times	15
Number of anti-corruption training sessions for employees	Times	28
Total duration of anti-corruption training for directors	Minutes	1,440
Total duration of anti-corruption training for employees	Minutes	1,140

Anti-Unfair Competition

GCL SI adheres to the principles of fair and honest market competition, and strictly complying with the Anti-Unfair Competition Law of the People's Republic of China and other relevant laws, regulations, and regulatory requirements. The Company has formulated and publicly disclosed the Code of Business Conduct, to ensure that business activities always comply with industry norms and ethical standards, and to prevent any conduct that restricts market competition. During the Reporting Period, GCL SI did not experience any litigation cases related to unfair competition.

Key Measures Against Monopoly and Unfair Competition by GCL SI



Strictly comply with relevant anti-monopoly and anti-unfair competition laws, regulations, and company policies.



Do not enter into monopoly or anticompetitive agreements with competitors.



Do not negotiate or conclude any agreements with competitors that affect market competition, such as fixing prices, dividing markets, jointly boycotting transactions, restricting production volumes, or hindering technological development.



Do not exchange sensitive business information with competitors, such as production costs, sales prices, customer lists, and future strategic plans.



Do not use one's dominant market position to exclude competitors, set unreasonable trading conditions, or force the bundling or tying sale of products and services.



Do not engage in discriminatory practices or impose restrictions on customers and suppliers, ensuring that all trading parties have fair access to market opportunities.



Do not fabricate or disseminate false or misleading information that damages the commercial reputation or product reputation of competitors.



Appendix

United Nations Global Compact

GCL SI joined the United Nations Global Compact in August 2023. We reaffirm our support for UN Global Compact and its ten principles. We conduct business in accordance with the ten principles and meet our social obligations. At the same time, we are committed to achieving the UNSDGs and becoming a reliable long-term partner of the United Nations.

Area	Principle	Location in Report
Human Rights	Principle 1: Businesses should support and respect the protection of internationally proclaimed human rights	Labor Rights Protection Diversity, Equity and Inclusion Responsible Supply Chain
	Principle 2: Make sure that they are not complicit in human rights abuses	Labor Rights Protection Diversity, Equity and Inclusion Responsible Supply Chain
Labor	Principle 3: Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining	Labor Rights Protection
	Principle 4: The elimination of all forms of forced and compulsory labor	Labor Rights Protection Responsible Supply Chain
	Principle 5: The effective abolition of child labor	Labor Rights Protection Responsible Supply Chain
	Principle 6: The elimination of discrimination in respect of employment and occupation	Labor Rights Protection Diversity, Equity and Inclusion Responsible Supply Chain
Environment	Principle 7: Businesses should support a precautionary approach to environmental challenges	Leading in Low Carbon to Jointly Build a Green Ecosystem Responding to Climate Change Environmental Compliance Management Energy Management and Renewable Energy Utilization Water Stewardship Pollutant & Emissions Management Waste Management Circular Economy Ecosystem and Biodiversity Conservation

Area	Principle	Location in Report
Environment	Principle 8: Undertake initiatives to promote greater environmental responsibility	Leading in Low Carbon to Jointly Build a Green Ecosystem Responding to Climate Change Environmental Compliance Management Energy Management and Renewable Energy Utilization Water Stewardship Pollutant & Emissions Management Waste Management Circular Economy Ecosystem and Biodiversity Conservation
		Principle 9: Encourage the development and diffusion of environmentally friendly technologies
Anti-Corruption	Principle 10: Businesses should work against corruption in all its forms, including extortion and bribery	Anti-Bribery and Anti-Corruption

Key Performance Table

Economic Performance

Disclosure Item	Unit	2023	2024	2025
Economic Indicator Performance				
Revenue	RMB10,000	1,596,761.03	1,623,978.68	1,534,325.89
Total assets	RMB10,000	1,910,936.80	1,920,263.62	1,831,695.38
Net profit attributable to shareholders of listed company	RMB10,000	15,771.95	6,829.40	-116,606.98
Basic earnings per share	RMB/share	0.027	0.012	-0.199
R&D investment	RMB10,000	14,640.12	21,021.69	14,951.99
R&D expenses as a percentage of revenue	%	0.92	1.29	0.97
Number of R&D technical personnel	Persons	240	329	293
Proportion of the number of R&D technical personnel	%	3.83	5.42	6.15

Environmental Performance

Indicator	Unit	2023	2024	2025
Environmental Compliance Management				
Environmental investment	RMB10,000	5,107	3,676.28	3,294.44
Percentage of employees who have received environmental training (internal or external) out of the total workforce across all locations	%	100	100	100
Percentage of operational sites that have conducted environmental risk assessments out of all operational locations	%	100	100	100

Indicator	Unit	2023	2024	2025
Main Energy Consumption¹⁴				
Natural gas	m ³	315,951	306,464	195,434
Natural gas consumption per unit of output	m ³ /MW	16.94	9.07	4.88
Total electricity	kWh	473,387,732	935,976,903	1,029,748,923
- Self-generated renewable electricity	kWh	37,403,487	49,376,053	61,923,141
- Purchased municipal electricity	kWh	432,258,316	211,759,306	867,537,583
- Purchased renewable electricity	kWh	3,725,929	-	100,281,095
- Contracted purchased electricity	kWh	-	674,841,544	-
Consumption of renewable electricity	10,000 kWh	4,112.94	4,937.61	16,220.42
Percentage of renewable electricity in total electricity	%	8.69	5.28	15.75
Electricity consumption per unit of output	MWh/MW	25.38	27.70	25.73
Steam ¹⁵	m ³	6,640	-	-
Gasoline	kg	59,974	40,858	24,908

¹⁴GCL SI's accounting boundary for energy management performance is consistent with that for greenhouse gas emission accounting; please refer to the Appendix: Assurance Statement for the specific boundary.

¹⁵GCL SI did not use steam in 2025.

Indicator	Unit	2023	2024	2025
GHG Management^{16, 17}				
Scope 1 GHG emissions	tCO ₂ e	1,309.95	1,295.60	5,205.78
Scope 2 GHG emissions (location-based)	tCO ₂ e	250,992.40	475,748.90	460,318.65
Scope 2 GHG emissions (market-based)	tCO ₂ e	248,867.51	322,960.62	163,094.12
Total Scope 1 and Scope 2 GHG emissions (location-based)	tCO ₂ e	252,302.35	477,044.50	465,524.43
Total Scope 1 and Scope 2 GHG emissions (market-based)	tCO ₂ e	250,177.45	324,256.22	168,299.90
Revenue-based Scope 1 and Scope 2 GHG emission intensity (location-based)	tCO ₂ e/RMB 10,000	0.16	0.29	0.30
Revenue-based Scope 1 and Scope 2 GHG emission intensity (market-based)	tCO ₂ e/RMB 10,000	0.16	0.20	0.11
Production-based Scope 1 and Scope 2 GHG emission intensity (location-based)	tCO ₂ e/MW	13.53	14.12	11.63
Production-based Scope 1 and Scope 2 GHG emission intensity (market-based)	tCO ₂ e/MW	13.41	9.60	4.20
Scope 3 GHG emissions	tCO ₂ e	14,408,777.62	21,949,731.60	26,410,296.89
Product carbon footprint coverage	%	-	71.43	62.50

Indicator	Unit	2023	2024	2025
Water Consumption¹⁸				
Total water withdrawal	Tonnes	3,732,935	5,930,366	5,370,936
Total water consumption ¹⁹	Tonnes	1,647,653	1,054,675	769,324
Water recycling and reuse volume	Tonnes	202,569.45	884,961.40	524,367.00
Water consumption per unit of output	Tonnes/MWh	88.35	31.21	19.22
Waste Water Discharge				
Total wastewater discharge	Tonnes	2,085,282	4,875,691	4,601,612
Suspended solids discharge	Tonnes	21.79	67.65	38.56
Chemical oxygen demand (COD) discharge	Tonnes	76.54	263.96	155.36
Ammonia-nitrogen discharge	Tonnes	11.71	41.27	42.07
Phosphorus discharge	Tonnes	0.29	0.30	0.76
Fluoride discharge	Tonnes	9.71	22.58	29.30
Waste Management				
Total waste generated	Tonnes	52,238.60	49,005.45	40,153.66
Total general industrial solid waste generated	Tonnes	52,218.69	48,830.28	40,029.43
General industrial solid waste recycling rate	%	99.93	99.74	99.69

¹⁶GCL SI has accounted for greenhouse gas emission data during the Reporting Period based on operational control; please refer to the Appendix: Assurance Statement for the specific accounting boundary.

¹⁷A significant increase in Scope 1 emissions resulted from changes in the calculation method for refrigerants. Due to the inclusion of green certificates for deduction, the 2024 Scope 2 greenhouse gas emissions (market-based) and the total Scope 1 and Scope 2 greenhouse gas emissions (market-based) have been restated.

¹⁸The scope of GCL SI 2025 water management performance includes three production bases: Hefei GCL SI, Wuhu GCL SI, and Funing GCL SI.

¹⁹GCL SI's total water consumption in 2025 refers to total water withdrawal minus total wastewater discharge.

Indicator	Unit	2023	2024	2025
Total hazardous waste generated	Tonnes	19.91	175.17	124.23
Hazardous waste disposed ²⁰	Tonnes	17.82	172.17	127.81
Waste Gas Emissions				
Total waste gas emissions	10,000 m ³	583,941.73	1,450,685.00	1,173,561.48
Nitrogen oxides (NOx) emissions	Tonnes	1.43	3.32	0.80
Sulfur oxides (SOx) emissions	Tonnes	0.25	0.80	0
Non-methane hydrocarbon (NMHC) emissions	Tonnes	5.26	12.57	4.83
Particulate matter emissions	Tonnes	2.46	0.20	17.80
Product Recycling				
WEEE-registered recycling commitments for module products	MW	-	132	328
Packaging Materials				
Recycling rate of solar cell packaging materials ²¹	%	-	76.41	61.49

²⁰The discrepancy between hazardous waste generated and hazardous waste disposed for GCL SI in 2024 and 2025 is because some hazardous waste from the previous year was carried forward and disposed of in the following year.

²¹In 2025, the company switched packaging specifications, resulting in the scrapping of old packaging materials before the transition, thus leading to a decrease in the battery packaging recycling rate for that year.

Social Performance

Disclosure Item	Unit	2023	2024	2025	
Employment and Diversity Performance					
Number of employees	Persons	6,256	6,074	4,761	
By gender	Male	Persons	4,465	4,385	3,504
	Female	Persons	1,791	1,689	1,257
	Proportion of female employees	%	28.63	27.81	26.40
By employment category	Full-time employee	Persons	4,942	4,317	3,855
	Contractor	Persons	1,216	1,713	891
	Others (interns, rehired retirees)	Persons	98	44	15
By ethnicity	Ethnic minority employees	Persons	88	121	150
	Over 51 years old (inclusive)	Persons	75	61	58
	41-50 years old	Persons	816	794	625
By age	31-40 years old	Persons	2,885	2,685	2,163
	Under 30 years old	Persons	2,480	2,534	1,915
	Number of employees working in the Chinese mainland	Persons	6,222	6,037	4,708
By region	Number of employees working in Hong Kong, Macau, Taiwan, and oversea regions	Persons	34	37	53
	Bachelor's degree or above	Persons	1,254	1,187	1,177
By educational background	Below bachelor's degree	Persons	5,002	4,887	3,584
	Middle management employees	Persons	120	117	108
By position	Number of female employees in middle management	Persons	21	21	21

Disclosure Item	Unit	2023	2024	2025	
By position	Proportion of female employees in middle management	%	17.5	17.95	19.44
	Percentage of employees from ethnic minorities and/or vulnerable groups (which refer to persons with disabilities) in the middle-level management team	%	0.5	0.85	0
	Number of senior management employees	Persons	42	38	35
	Number of female employees in senior management	Persons	5	6	4
	Proportion of female employees in senior management	%	11.90	15.79	11.43
	Percentage of employees from ethnic minorities and/or vulnerable groups (which refer to persons with disabilities) in the senior-level management team	%	0	5.26	8.57
	Proportion of female employees in STEM positions	%	-	10.89	10.05
	Proportion of female employees in middle management of STEM positions	%	-	2.94	0
	Proportion of female employees in senior management of STEM positions	%	-	0	0
	Proportion of female employees in revenue-generating (sales) department	%	-	31.54	29.47
Proportion of female employees in middle management of revenue-generating (sales) department	%	-	28.57	28.57	
Proportion of female employees in senior management of revenue-generating (sales) department	%	-	33.33	23.08	
Percentage of employees who have received training on diversity, discrimination, and/or harassment out of the total workforce across all locations	%	100	100	100	

Disclosure Item	Unit	2023	2024	2025	
Employee Training Performance					
Total investment in employee training	RMB10,000	550.11	760.00	840.00	
Number of employees trained	Persons	9,003	6,074	4,761	
Percentage of employees at all the Company's locations who have received vocational or skills-related training	%	100	100	100	
Total training hours	Hours	292,162	115,130	174,381	
Average training hours per employee	Hours	47	19	37	
By gender	Total training hours for male employees	Hours	226,623	80,203	128,981
	Average training hours per male employee	Hours/Person	51	18	37
	Total training hours for female employees	Hours	65,539	34,927	45,400
	Average training hours per female employee	Hours/Person	37	21	36
	Total training hours for non-management level	Hours	287,224	105,826	157,961
	Average training hours for non-management level	Hours/Person	47	18	34
By position	Total training hours for middle management level	Hours	4,430	8,792	15,983
	Average training hours for middle management level	Hours/Person	37	75	148
	Total training hours for senior management level	Hours	508	512	437
	Average training hours for senior management level	Hours/Person	12	13	12

Disclosure Item	Unit	2023	2024	2025	
Employee Rights and Interests Performance					
Labor contract signing rate	%	100	100	100	
Percentage of employees covered by collective agreements	%	80	90.69	100	
Retention rate of employees returning to work after maternity and paternity leave	%	83	92	87	
Employee Compensation Performance					
Unadjusted average gender pay gap	%	25	27	27	
Occupational Health and Safety					
Safety production investment	RMB10,000	1,470	3,156.77	4,132.60	
Total recordable incident rate (TRIR)	-	0.14	0.07	0.05	
Number of work-related incidents ²²	Cases	5	5	3	
Total number of individuals with work-related injuries	Full-time employee	Persons	5	5	3
	Contractor	Persons	0	0	0
Number of work-related fatalities	Full-time employee	Persons	0	0	0
	Contractor	Persons	0	0	0
Days of absence due to work-related injuries	Full-time employee	Persons	330	486	127
	Contractor	Persons	0	0	0
Percentage of operational sites that have conducted employee health and safety risk assessments or hazard identification and risk assessments	%	100	100	100	

Disclosure Item	Unit	2023	2024	2025	
Supplier Chain Performance					
Total supplier registered	Quantity	95	146	159	
By region	Chinese mainland	Quantity	-	146	159
	Overseas, Hong Kong SAR, Maca SAR, and Taiwan	Quantity	-	0	0
Percentage against total number of suppliers registered	Number of suppliers having signed the safety and environmental protection agreement	%	61	83	96
	Number of suppliers certified with ISO 14001 Environmental Management System	%	81	85	87
	Number of suppliers certified with ISO 9001 Quality Management System	%	91	96	91
	Number of suppliers certified with ISO 45001 Occupational Health and Safety System	%	78	82	86
	Number of suppliers certified with Product Carbon Footprint Certification	%	18	16	18
	Suppliers who have signed the Sustainable Procurement Charter/Code of Conduct	%	-	90	95

²² In 2025, GCL SI had 3 work-related injuries, including 1 person having foot sprained and 2 persons involved in off-site traffic accidents. Moving forward, GCL SI will continue to refine its occupational health and safety management system, implement stricter protective measures, and strengthen safeguards for employees' physical and mental well-being as well as operational safety.

Disclosure Item	Unit	2023	2024	2025
Suppliers with contracts containing clauses on environmental, labor, and human rights requirements	%	-	71	84
Suppliers who have undergone Corporate Social Responsibility (CSR) assessments (e.g., questionnaires)	%	-	68	69
Suppliers who have undergone on-site CSR audits	%	-	49	52
Suppliers who have undergone third-party CSR audits	%	-	12	13
Suppliers who have participated in corrective actions or capacity-building following audits/assessments	%	-	96	82
Total number of new suppliers	Quantity	37	38	32
Number of suppliers having signed the safety and environmental protection agreement	%	-	76	84
Number of suppliers certified with ISO 14001 Environmental Management System	%	92	74	75
Number of suppliers certified with ISO 9001 Quality Management System	%	95	97	84

Disclosure Item	Unit	2023	2024	2025
Number of suppliers certified with ISO 45001 Occupational Health and Safety System	%	81	74	75
Number of suppliers certified with Product Carbon Footprint Certification	%	-	8	28
Suppliers who have signed the Sustainable Procurement Charter/Code of Conduct	%	-	82	88
Suppliers with contracts containing clauses on environmental, labor, and human rights requirements	%	-	58	84
Suppliers who have undergone Corporate Social Responsibility (CSR) assessments (e.g., questionnaires)	%	-	45	69
Suppliers who have undergone on-site CSR audits	%	-	76	28
Suppliers who have undergone third-party CSR audits	%	-	16	6
Suppliers who have participated in corrective actions or capacity-building following audits/assessments	%	-	89	72

Disclosure Item	Unit	2023	2024	2025	
Total number of core suppliers	Quantity	-	96	100	
Percentage of core suppliers	Number of suppliers having signed the safety and environmental protection agreement	%	-	82	94
	Number of suppliers certified with ISO 14001 Environmental Management System	%	-	85	86
	Number of suppliers certified with ISO 9001 Quality Management System	%	-	99	94
	Number of suppliers certified with ISO 45001 Occupational Health and Safety System	%	-	82	86
	Number of suppliers certified with Product Carbon Footprint Certification	%	-	20	53
	Suppliers who have signed the Sustainable Procurement Charter/Code of Conduct	%	-	91	92
	Suppliers who have signed the integrity commitment	%		90	100
	Suppliers with contracts containing clauses on environmental, labor, and human rights requirements	%	-	65	85

Disclosure Item	Unit	2023	2024	2025	
Percentage of core supplier	Suppliers who have undergone Corporate Social Responsibility (CSR) assessments (e.g., questionnaires)	%	-	93	94
	Suppliers who have undergone on-site CSR audits	%	-	65	69
	Suppliers who have undergone third-party CSR audits	%	-	18	20
	Suppliers who have participated in corrective actions or capacity-building following audits/assessments	%	-	100	100
Percentage of procurement staff who have received sustainable procurement training across all regions	%	100	100	100	
Conflict minerals audit coverage rate for suppliers of 3TG materials	%	-	100	100	
Share of local procurement	%	-	100	100	
Intellectual Property Management Performance					
Cumulative number of patents authorized	Items	542	656	826	
Cumulative number of software copyrights held	Items	17	35	48	
Cumulative number of invention patents authorized	Items	5	97	99	

Disclosure Item	Unit	2023	2024	2025
Public Welfare/Community Relation				
Number of employee volunteer services conducted	Times	-	9	5
Employee volunteer service participation (in persons)	Participants	-	210	8
Total duration of employee volunteer services	Hours	-	400	80
Total amount of public welfare donations	RMB10,000	-	85.64	112
- Rural revitalization support funding	RMB10,000	-	53.24	80
- Amount of charitable donation	RMB10,000	-	32.40	32
Individuals impacted	Persons	-	3,237	2,569

Corporate Governance Performance

Disclosure Item	Unit	2023	2024	2025
Corporate Governance Performance				
Number of directors	Persons	9	9	9
Number of independent directors	Persons	3	3	3
Number of female directors	Persons	1	1	1

Disclosure Item	Unit	2023	2024	2025
Anti-Bribery and Anti-Corruption Performance				
Coverage rate of anti-corruption training for directors	%	100	100	100
Coverage rate of anti-corruption training for employees	%	100	100	100
Number of anti-corruption training sessions for directors	Times	26	16	15
Number of anti-corruption training sessions for employees	Times	26	25	28
Total duration of anti-corruption training for directors	Minutes	780	720	1,440
Total duration of anti-corruption training for employees	Minutes	780	1,020	1,140
Number of anti-corruption audits	Times	5	2	2
Number of confirmed corruption incidents	Cases	0	0	0
Number of reports generated by reporting procedures	Cases	0	0	0
Percentage of sites that have conducted internal assessments or reviews on specific business ethics issues	%	100	100	100

Index of GRI 2021 Standards

Use Instruction	GCL SI reported the information cited in this GRI content index during the period from January 1, 2025, to December 31, 2025, with reference to the GRI Standards.
Standard Citation	GRI 1: Foundation 2021

Disclosure	Title	Chapter Index
2-1	Organizational details	About GCL SI
2-2	Entities included in the organization's sustainability reporting	About the Report
2-3	Reporting period, frequency and contact point	About the Report
2-4	Restatements of information	About the Report
Activities and workers		
2-6	Activities, value chain and other business relationships	About GCL SI
2-7	Employees	Labor Rights Protection Diversity, Equity and Inclusion Employee Training and Development Occupational Health and Safety Key Performance Table
2-8	Workers who are not employees	Responsible Supply Chain Community Contribution Rural Revitalization Industry Collaboration and Exchange
Governance		
2-9	Governance structure and composition	Sustainability Governance Corporate Governance
2-10	Nomination and selection of the highest governance body	Sustainability Governance Corporate Governance

Disclosure	Title	Chapter Index
2-11	Chair of the highest governance body	Sustainability Governance Corporate Governance
2-12	Role of the highest governance body in overseeing the management of impacts	Sustainability Governance Corporate Governance
2-13	Delegation of responsibility for managing impacts	Sustainability Governance Corporate Governance
2-14	Role of the highest governance body in sustainability reporting	Sustainability Governance
2-15	Conflicts of interest	Anti-Bribery and Anti-Corruption
2-16	Communication of critical concerns	Sustainability Strategy Sustainability Governance
2-17	Collective knowledge of the highest governance body	Sustainability Strategy Sustainability Governance
2-18	Evaluation of the performance of the highest governance body	Sustainability Governance Board of Directors Statement
2-19	Remuneration policies	Labor Rights Protection
2-20	Process to determine remuneration	Labor Rights Protection
Strategy, policies and practices		
2-22	Statement on sustainable development strategy	Sustainability Strategy
2-23	Policy commitments	Sustainability Strategy
2-24	Embedding policy commitments	Sustainability Strategy

Disclosure	Title	Chapter Index
2-25	Processes to remediate negative impacts	Sustainability Governance Anti-Bribery and Anti-Corruption
2-26	Mechanisms for seeking advice and raising concerns	Sustainability Governance Stakeholder Communication
2-27	Compliance with laws and regulations	See chapters in this Report
2-28	Membership associations	Sustainability Strategy Industry Collaboration and Exchange
Stakeholder Engagement		
2-29	Approach to stakeholder engagement	Stakeholder Communication
2-30	Collective bargaining agreements	Labor Rights Protection
3-1	Process to determine material topics	Stakeholder Communication
3-2	List of material topics	Stakeholder Communication
3-3	Management of material topics	Stakeholder Communication
GRI 101 Biodiversity		
3-3	Management of material topics	Ecosystem and Biodiversity Conservation
101-1	Policies to halt and reverse biodiversity loss	Ecosystem and Biodiversity Conservation
101-2	Management of biodiversity impacts	Ecosystem and Biodiversity Conservation
101-3	Access and benefit-sharing	Ecosystem and Biodiversity Conservation
101-4	Identification of biodiversity impacts	N/A
101-5	Locations with biodiversity impacts	N/A
101-6	Direct drivers of biodiversity loss	N/A
101-7	Changes to the state of biodiversity	N/A

Disclosure	Title	Chapter Index
101-8	Ecosystem services	N/A
GRI 201 Economic Performance		
3-3	Management of material topics	2025 Sustainable Performance Key Performance Table
201-1	Direct economic value generated and distributed	2025 Sustainable Performance Key Performance Table
201-2	Financial implications and other risks and opportunities due to climate change	Responding to Climate Change
201-3	Defined benefit plan obligations and other retirement plans	Labor Rights Protection
201-4	Financial assistance received from government	Company annual report
GRI 204 Procurement Practices		
3-3	Management of material topics	Responsible Supply Chain
GRI 205 Anti-corruption		
3-3	Management of material topics	Anti-Bribery and Anti-Corruption
205-1	Operations assessed for risks related to corruption	Anti-Bribery and Anti-Corruption
205-2	Communication and training about anti-corruption policies and procedures	Anti-Bribery and Anti-Corruption
205-3	Confirmed incidents of corruption and actions taken	Anti-Bribery and Anti-Corruption
GRI 302 Energy		
3-3	Management of material topics	Energy Management and Renewable Energy Utilization
302-1	Energy consumption within the organization	Energy Management and Renewable Energy Utilization
302-2	Energy consumption outside of the organization	Energy Management and Renewable Energy Utilization

Disclosure	Title	Chapter Index
302-3	Energy intensity	Energy Management and Renewable Energy Utilization
302-4	Reduction of energy consumption	Energy Management and Renewable Energy Utilization
302-5	Reductions in energy requirements of products and services	Energy Management and Renewable Energy Utilization
GRI 303 Water and Effluents		
3-3	Management of material topics	Water Stewardship Pollutant & Emissions Management
303-1	Interactions with water as a shared resource	Water Stewardship Pollutant & Emissions Management
303-2	Management of water discharge-related impacts	Water Stewardship Pollutant & Emissions Management
303-3	Water withdrawal	Water Stewardship
303-4	Water discharge	Pollutant & Emissions Management
303-5	Water consumption	Water Stewardship
GRI 305 Emissions		
3-3	Management of material topics	Responding to Climate Change Pollutant & Emissions Management
305-1	Direct (Scope 1) GHG emissions	Responding to Climate Change
305-2	Energy indirect (Scope 2) GHG emissions	Responding to Climate Change
305-3	Other indirect (Scope 3) GHG emissions	Responding to Climate Change
305-4	GHG emissions intensity	Responding to Climate Change

Disclosure	Title	Chapter Index
305-5	Reduction of GHG emissions	Responding to Climate Change
305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	Pollutant & Emissions Management
GRI 306 Waste		
3-3	Management of material topics	Waste Management
306-1	Waste generation and significant waste-related impacts	Waste Management
306-2	Management of significant waste-related impacts	Waste Management
306-3	Waste generated	Waste Management
306-4	Waste diverted from disposal	Waste Management
306-5	Waste directed to disposal	Waste Management
GRI 308 Supplier Environmental Assessment		
3-3	Management of material topics	Responsible Supply Chain
308-1	New suppliers that were screened using environmental criteria	Responsible Supply Chain
308-2	Negative impacts in the supply chain and actions taken	Responsible Supply Chain
GRI 401 Employment		
3-3	Management of material topics	Labor Rights Protection
401-1	New employee hires and employee turnover	Labor Rights Protection Key Performance Table
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Labor Rights Protection

Disclosure	Title	Chapter Index
GRI 403 Occupational Health and Safety		
3-3	Management of material topics	Occupational Health and Safety
403-1	Occupational health and safety management system	Occupational Health and Safety
403-2	Hazard identification, risk assessment, and incident investigation	Occupational Health and Safety
403-3	Occupational health services	Occupational Health and Safety
403-4	Worker participation, consultation, and communication on occupational health and safety	Occupational Health and Safety
403-5	Worker training on occupational health and safety	Occupational Health and Safety
403-6	Promotion of worker health	Occupational Health and Safety
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Occupational Health and Safety
403-8	Workers covered by an occupational health and safety management system	Occupational Health and Safety
403-9	Work-related injuries	Occupational Health and Safety
403-10	Work-related ill health	Occupational Health and Safety

Disclosure	Title	Chapter Index
GRI 404 Training and Education		
3-3	Management of material topics	Employee Training and Development
404-1	Average hours of training per year per employee	Employee Training and Development
404-2	Programs for upgrading employee skills and transition assistance programs	Employee Training and Development
404-3	Percentage of employees receiving regular performance and career development reviews	Employee Training and Development
GRI 405 Diversity and Equal Opportunity		
3-3	Management of material topics	Diversity, Equity and Inclusion
405-1	Diversity of governance bodies and employees	Diversity, Equity and Inclusion
GRI 406 Non-discrimination		
3-3	Management of material topics	Diversity, Equity and Inclusion
406-1	Incidents of discrimination and corrective actions taken	Diversity, Equity and Inclusion
GRI 407 Freedom of Association and Collective Bargaining		
3-3	Management of material topics	Labor Rights Protection
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Not involved in operations and suppliers in which the right to freedom of association and collective bargaining may be at risk

Disclosure	Title	Chapter Index
GRI 408 Child Labor		
3-3	Management of material topics	Labor Rights Protection
408-1	Operations and suppliers at significant risk for incidents of child labor	Not involved in operations and suppliers at significant risk for incidents of child labor
GRI 409 Forced or Compulsory Labor		
3-3	Management of material topics	Labor Rights Protection
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	Not involved in operations and suppliers at significant risk for incidents of forced or compulsory labor
GRI 413 Local Communities		
3-3	Management of material topics	Community Contribution
413-1	Operations with local community engagement, impact assessments, and development programs	Community Contribution
413-2	Operations with significant actual and potential negative impacts on local communities	Not involved in operations with significant actual and potential negative impacts on local communities
GRI 414 Supplier Social Assessment		
3-3	Management of material topics	Responsible Supply Chain
414-1	New suppliers that were screened using social criteria	Responsible Supply Chain
414-2	Negative social impacts in the supply chain and actions taken	Responsible Supply Chain

Disclosure	Title	Chapter Index
GRI 416 Customer Health and Safety		
3-3	Management of material topics	Product Safety and Quality Customer Service
416-1	Assessment of the health and safety impacts of product and service categories	Product Safety and Quality Customer Service
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	Product Safety and Quality Customer Service
GRI 417 Marketing and Labeling		
3-3	Management of material topics	Customer Service
417-1	Requirements for product and service information and labeling	Customer Service
417-2	Incidents of non-compliance concerning product and service information and labeling	No incidents of non-compliance concerning product and service information and labeling occurred
417-3	Incidents of non-compliance concerning marketing communications	No incidents of non-compliance concerning marketing communications occurred
GRI 418 Customer Privacy		
3-3	Management of material topics	Data Security and Privacy Protection
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	Data Security and Privacy Protection

SZSE Indicator Index Table

Dimension	No.	Topic	Clause	Report Response
Environment	1	Responding to climate change	Articles 21 - 28	Leading in Low Carbon to Jointly Build a Green Ecosystem Responding to Climate Change
	2	Pollutant & Emissions Management	Article 30	Pollutant & Emissions Management
	3	Waste management	Article 31	Waste Management
	4	Ecosystem and biodiversity conservation	Article 32	Ecosystem and Biodiversity Conservation
	5	Environmental compliance management	Article 33	Environmental Compliance Management
	6	Energy utilization	Article 35	Energy Management and Renewable Energy Utilization
	7	Water resources utilization	Article 36	Water Stewardship
	8	Circular economy	Article 37	Circular Economy
Society	9	Rural revitalization	Article 39	Rural Revitalization
	10	Community contribution	Article 40	Community Contribution
	11	Innovation-driven development	Article 42	Innovation-driven Development
	12	Technology ethics	Article 43	Data Security and Privacy Protection
	13	Supply chain security	Article 45	Responsible Supply Chain
	14	Equal treatment of SMEs	Article 46	Responsible Supply Chain
	15	Product and service safety and quality	Article 47	Product Safety and Quality
	16	Data security and customer privacy protection	Article 48	Data Security and Privacy Protection
	17	Employees	Article 50	Labor Rights Protection Diversity, Equity and Inclusion Employee Training and Development Occupational Health and Safety
Sustainability-related governance	18	Due diligence	Article 52	Sustainability Governance
	19	Stakeholder communication	Article 53	Stakeholder Communication
	20	Anti-bribery and anti-corruption	Article 55	Anti-Bribery and Anti-Corruption
	21	Anti-unfair competition	Article 56	Anti-Unfair Competition

Assurance Statement



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Independent Assurance Statement

Introduction

TÜV Rheinland (Shanghai) Co., Ltd., a member of TÜV Rheinland Group (hereinafter "TÜV Rheinland" or "We"), was entrusted by GCL System Integration Technology Co., Ltd. (hereinafter "GCL SI" or "the Company") to conduct an independent third-party assurance of its 2025 Sustainability Report (hereinafter "Report"). The Report disclosed sustainability information of GCL SI for the fiscal year 2025 (from 1 January 2025 to 31 December 2025).

Responsibilities

GCL SI is not only responsible for the preparation of ESG report and the collection and reporting of sustainability information in accordance with applicable reporting standards but also has the obligation to implement and maintain effective internal control of information and data to support the report compilation process.

TÜV Rheinland implements sustainability information assurance activities under a quality management system that complies with the requirements of the ISO/IEC 17029:2019 Standard and adheres to the TÜV Rheinland Global Code of Ethics and Compliance Program. Our assurance service follows the principles of independence and impartiality and does not participate in the preparation of the Report of GCL SI. The assurance project was implemented by a team with expertise and assurance experience in the corresponding sustainability issues. The role of TÜV Rheinland is to carry out independent assurance work in accordance with the assurance agreement and the agreed scope of assurance work, and to make independent and impartial professional judgments on sustainability reporting.

Assurance Standard

TÜV Rheinland undertook assurance work for specified performance indicators (see Appendix in this statement) and non-financial qualitative information (including materiality assessment, stakeholder engagement, topics management related to material topics, risks and opportunities (ROO), etc.) selected by GCL SI in accordance with the AccountAbility AA1000 Assurance Standard 3rd edition (AA1000AS v3) set a Type 2 and Moderate level.

Assurance Objectives

The purpose of the assurance was to provide assurance of GCL SI and its stakeholders concerned with the Company's sustainability information and performance with an independent view of the assurance, including that we review and assess the content of the report adherence to the AA1000AP (2018) Assurance Principles (including inclusivity, materiality, responsiveness and impact), and review and evaluate the reliability and quality of specified performance information.

Assurance Criteria

The following assessment criteria (including reporting frameworks or standards) were used in undertaking the work:

- Self-Regulatory Regulation of Listed Companies on the Shenzhen Stock Exchange No. 17 - Sustainability Report (TR4)
- The Global Sustainability Standards Council's Sustainability Reporting Standards (GRI Standards) (hereinafter "GRI")
- Sustainable Development Goals (SDGs), Corporate Action Guidelines
- Greenhouse Gas Accounting System Enterprise Accounting and Reporting Standards (GHG Protocol)
- Adherence to the AA1000AP AccountAbility Principles, i.e., *Inclusivity, Materiality, Responsiveness, and Impact*

Methodology

Our assurance activities and procedures include:



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- Interviewing with management to understand and assess key processes, systems and internal controls for operations and sustainability management.
- Interviewing with key personnel responsible for sustainability execution to understand the non-financial information reporting system, including the collection, integration and reporting of specified performance data and non-financial qualitative information, and to evaluate the data integration process at the group level.
- Applying analytical procedures to review the reasonableness of the data.
- Testing the source of information based on the sampling principle to check the accuracy of the data.
- Reviewing the consistency and reliability of specified performance indicators and quantitative and qualitative information within assurance scope.
- Collecting and inspecting supporting evidence to assess the extent to which relevant disclosures within the scope of the assurance engagement and sustainability reporting support and adherence to AA1000AP assurance principles.
- Reporting assurance observations or recommendations to give the company's management an opportunity to correct errors before the assurance process is completed.

Limitations

TÜV Rheinland planned and executed the verification in accordance with the scope of the assurance agreed upon and obtained evidence information and necessary explanations to provide the basis for the conclusion of the assurance in accordance with the moderate level of AA1000AS v3. The nature and extent (scope) of the procedures involved in moderate level assurance engagements are lower than those required to obtain high level assurance.

Forward-looking information relates to events and items that have not yet occurred and may never occur. Actual results are likely to be different because expected events often do not occur as expected. We did not guarantee the availability of forward-looking information.

The information and performance relating to the assurance is limited to the disclosure of the contents of this Report. Our assurance did neither cover annual financial reports and financial data and nor cover other topics or matters that are not related to sustainability topics beyond the scope of this assurance.

Conclusions

Based on the above assurance procedures implemented and the evidence obtained, we believe that:

- 2025 Sustainability Report of GCL SI adhered to the AA1000AP AccountAbility Principles.
- Sustainability information was prepared in accordance with Guidelines for Self-Regulatory Regulation of Listed Companies on the Shenzhen Stock Exchange No. 17 - Sustainability Report (TR4) and GRI Standards.
- Specified performance indicators (see Appendix) and non-financial qualitative information (including the assessment of material topics) within the scope of the assurance were evaluated and there were no material misstatements.

TÜV Rheinland shall not bear any liability or responsibility to a third party for perception and decision on GCL SI based on this Assurance Statement.

Adherence to the AA1000AP AccountAbility Principles

Inclusivity

The key stakeholder groups identified by GCL SI included employees, customers, suppliers, shareholders and investors, governments, and supervisory bodies. The Company is committed to stakeholder dialogue and exchange. We recommend that GCL SI further build a stakeholder engagement mechanism and improve the effectiveness of engagement.

Materiality

GCL SI has implemented a double materiality assessment to assess and prioritize the identified issues from two dimensions: "impact materiality" and "financial materiality". The topic matrix clearly adhered the double materiality of the current year (e.g., product safety and quality, climate change, energy management and renewable energy utilization, innovation-driven, etc.), which is better in line with the characteristics of the industry and the Company's sustainable development strategy management. The Strategy and Sustainable Development Committee considered



and approved the results of the report.

Responsiveness

GCL SI's communication channels with its key stakeholder groups are diversified, including employee training, customer service, supplier empowerment and audit, and whistleblowing mechanisms, etc. Based on the analysis of strategic pillars and material issues, the Company actively responded to the United Nations Sustainable Development Goals through goal setting and implementation of specific management actions (including target progress). This report disclosed quantitative data on key ESG performance indicators (e.g., energy consumption and greenhouse gas emissions, water use, emissions and waste, employee employment and diversity, occupational health and safety, supply chain, etc.) to respond to core concerns of its stakeholders at a timely and appropriate manner.

Impact

GCL SI paid attention to the environmental and social impact of its business operations, including value chain links, and combined operation management, compliance management, risk management (including risk investigation and assessment), and internal control systems to manage potential material ESG risks. The Company analyzed climate-related risks and opportunities and took countermeasures. We recommend that GCL SI deepen its impact analysis and assessment of financial material issues in the future.

Disclosure of Specified Performance Information

TÜV Rheinland reached conclusions on the verification of reliability and quality of specified performance information (see Appendix) based on Type-2 and Moderate-level assurance engagement:

- TÜV Rheinland observed that GCL SI has implemented relevant internal control systems and processes and collected and aggregated source data related to selected specific performance indicators for verification.
- During the verification process, errors identified have been corrected. We believe that the data finally presented within the scope of the assurance is accurate. We recommend that GCL SI continue to improve the level of data management (including data gathering, calculation and aggregation) at the group and operational levels.

A full management report was submitted in management of GCL SI for consideration, detailing the findings and recommendations for continuous improvement of the sustainability report.

Daniel Pan
Technical Manager of Corporate Sustainability Services
TÜV Rheinland (Shanghai) Co., Ltd.
Shanghai, China, 24 April 2025



Appendix:

Selected specific performance indicators in the table as follows:

Indicator (s)	Unit
Environment	
Natural gas	m ³
Gasoline	kg
Total electricity	kWh
Consumption of renewable electricity	10,000 kWh
Total water withdrawal	Tonnes
Total water consumption	Tonnes
Total wastewater discharge	Tonnes
Scope 1 GHG emissions	tCO ₂ e
Scope 2 GHG emissions (location-based)	tCO ₂ e
Scope 2 GHG emissions (market-based)	tCO ₂ e
Scope 3 GHG emissions	tCO ₂ e
Total waste generated	Tonnes
Total general industrial solid waste generated	Tonnes
Non-hazardous recycled	Tonnes
Non-hazardous incinerated	Tonnes
Total hazardous waste generated	Tonnes
Hazardous waste disposed	Tonnes
Non-methane hydrocarbon (NMHC) Emissions	Tonnes
Social	
Number of work-related fatalities (Full-time employee)	Persons
Unadjusted average gender pay gap	%
Total supplier registered	Quantity
Total number of core suppliers	Quantity
Percentage against total number of suppliers registered: Suppliers who have undergone Corporate Social Responsibility (CSR) assessments (e.g., questionnaires)	%
Percentage against total number of suppliers registered: Suppliers who have undergone on-site CSR audits	%
Percentage against total number of suppliers registered: Suppliers who have participated in corrective actions or capacity-building following audits/assessments	%
Governance	
Coverage rate of anti-corruption training for directors	%
Coverage rate of anti-corruption training for employees	%
Number of anti-corruption training sessions for directors	Times
Number of anti-corruption training sessions for employees	Times

Feedback

Dear Reader:

Thank you for taking the time to read the 2025 Annual Sustainability Report of GCL SI Technology Co., Ltd. In our commitment to providing you and other stakeholders with more specialized and valuable information on corporate sustainability, we kindly request your assistance in completing the relevant questions within the feedback form. Your input will be instrumental in guiding us towards further enhancing our sustainability management practices in the future.

Please score the following questions on a scale of 1 to 5 (1 being the lowest score and 5 being the highest score).

1. What's your overall comment on the Report?

1 2 3 4 5

2. Do you think the Report can reflect the Company's significant economic influences?

1 2 3 4 5

3. Do you think the Report can reflect the Company's significant environmental influences?

1 2 3 4 5

4. Do you think the Report can reflect the Company's significant social influences?

1 2 3 4 5

5. Do you think the Report can reflect the Company's corporate governance?

1 2 3 4 5

6. Your overall evaluation of the degree of information disclosure in the Report:

1 2 3 4 5

7. Your overall evaluation of the quality of the language presented in the Report:

1 2 3 4 5

8. Your overall evaluation of the design style of the Report:

1 2 3 4 5

9. Which issues in the Report are you most interested in?

10. Do you have any other comments or suggestions on the Report?

Name: _____ Telephone: _____

E-mail: _____ Company: _____

Title: _____ Fax number: _____