

Enjoy Green Energy

2024

Environmental, Social and
Governance (ESG) Report



About the Report



Overview

The Report is the first ESG report published by Sigenergy Technology Co., Ltd. (hereinafter referred to as "Sigenergy", "the Company", or "we"). Following the principles of objectivity, standardization, transparency, and comprehensiveness, the Report provides a detailed disclosure of Sigenergy's practices and achievements in pursuing sustainable development.

Organizational Scope: The Report covers Sigenergy Technology Co., Ltd. and all its subsidiaries.

Reporting Period: January 1, 2024 - December 31, 2024, with some content retrospectively covering significant years in the Company's development.



Preparation Basis

The disclosures in the Report are primarily based on the *GRI Sustainability Reporting Standards 2021* (hereinafter referred to as "GRI Standards 2021") published by the Global Sustainability Standards Board (hereinafter referred to as "GSSB") and the *Appendix C2 Environmental, Social and Governance Reporting Code of the Main Board Listing Rules of the Hong Kong Exchanges and Clearing Limited*.



Terminology Explanation

For the sake of clarity and ease of reading, "Sigenergy Technology Co., Ltd." is referred to as "Sigenergy," "the Company," or "we" in the Report.



Data Description

Unless otherwise specified, the information and data cited in the Report are sourced from the Company's official documents, statistical reports, financial reports, or relevant public documents. Sigenergy commits that the content of the Report does not contain false records, misleading statements, or significant omissions.



Report Publication Format and Frequency

The Report is published in both Simplified Chinese and English. In case of discrepancies, the Simplified Chinese version shall prevail. Meanwhile, the Report is also published in electronic version on the Company's official website (link: <https://www.sigenergy.com/en/about/sustainable-development>). The Report is published annually.



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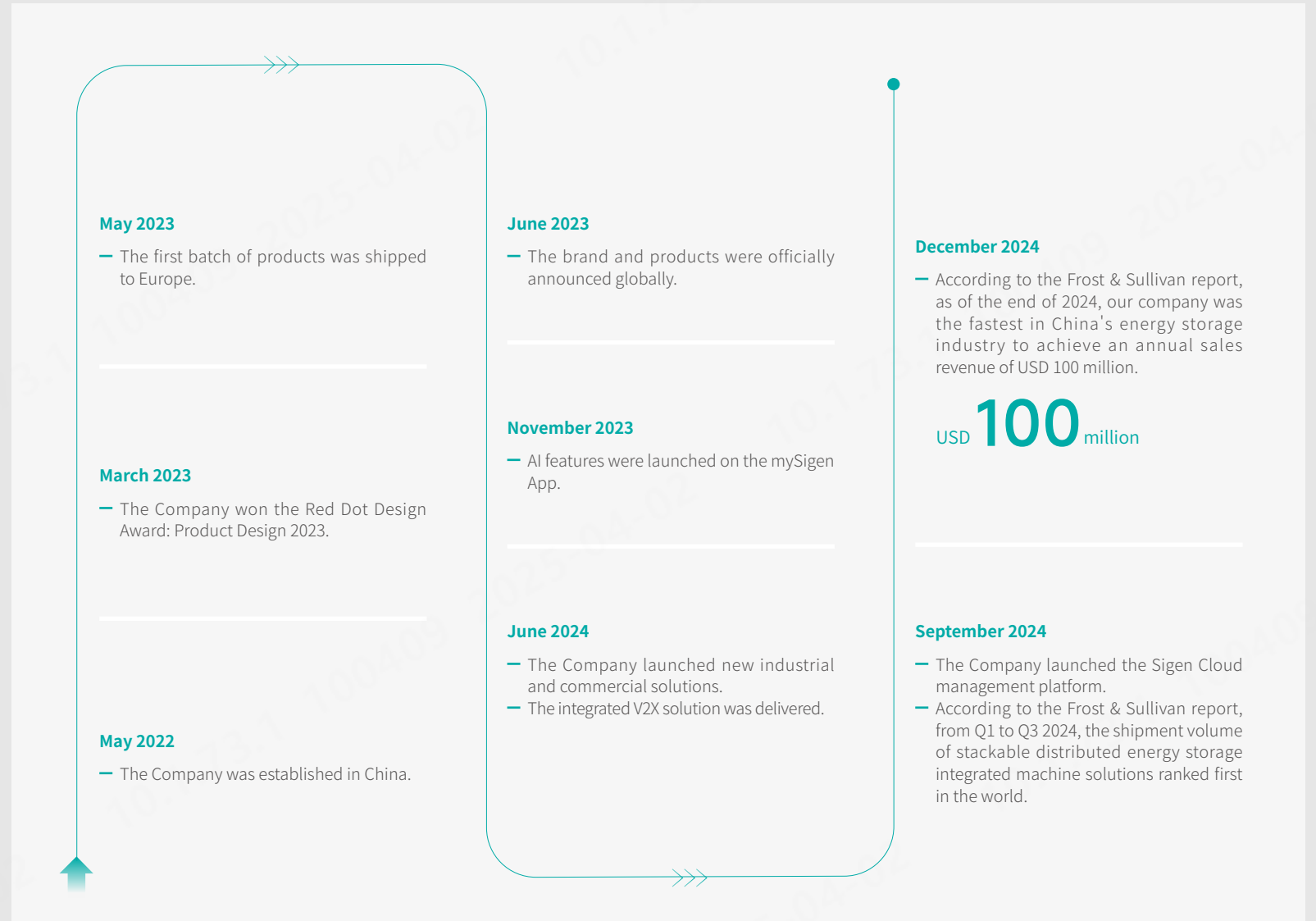
About Sigenergy

Company Profile

Established in 2022, Sigenergy Technology Co., Ltd. is a technology innovation company dedicated to the field of new energy storage. The Company is committed to creating safe, high-quality, and reliable PV generation + energy storage + charging products and solutions. By deeply integrating cutting-edge power electronics and energy storage technology with artificial intelligence and software technology, we significantly enhance energy efficiency and optimize user experience. Relying on the strong support of native infrastructure and combined with AI-driven optimization strategies, we continuously develop products and provide personalized energy consumption plans to meet the urgent demand for innovative products in the global transition to a green and low-carbon society, becoming the most trusted partner for our customers.

Sigenergy currently serves both residential users and small to medium-sized commercial markets, promoting a multi-faceted shift towards green and low-carbon consumption models. Globally, Sigenergy has established multiple offices, with a sales network widely covering various countries and regions. Meanwhile, we have built diversified sales channels and demonstrated strong international influence. We have established an extensive cooperation network with multiple distributors in various countries and regions, and we have become the preferred partner for leading distributors in all major markets, including Europe, Asia-Pacific, and Africa (such as the top distributors in the UK, Ireland, Sweden, South Africa, Australia, and the United States).

Sigenergy Milestones



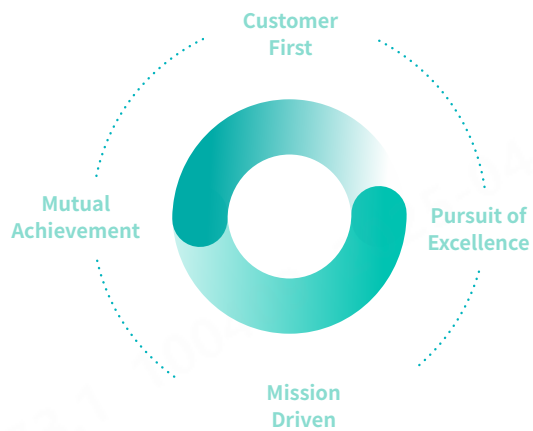
Development History of Sigenergy

Company Culture

Vision

Enjoy green energy

Values



Sigenergy Company Culture

Honors and Awards

Sigenergy's Honors and Awards in 2024



Product of the Show Awards
Sustainable Energy Authority of Ireland (SEAI)



2025 Top Innovation Award - Storage Category, Europe, South Africa, and Australia
EUPD Research



Responsible Brand Award 2024
The 14th Philanthropy Festival and 2024 ESG Summit



Quality Energy Storage Enterprises 2024
Solar PV & Energy Storage World Expo



Lingang Sci-tech Innovation Conference - Rising Scientific Innovation Enterprises 2024
Management Committee of China (Shanghai) Pilot Free Trade Zone Lingang New Area



Best C&I Energy Storage Solution 2024
Energy Storage Leader Alliance (EESA)



Best C&I Energy Storage Brand Influence Enterprise 2024
Energy Storage Industry Network



Energy Storage List Annual Technology Breakthrough Award 2024
State Energy Network



WISE Business King Annual Most Commercially Promising Enterprises 2024
36Kr



Annual Influential Excellent Photovoltaic Innovation Enterprises 2024
guangfu.bjx.com.cn



Red Dot Award: Product Design 2024
Design Zentrum Nordrhein Westfalen

Highlights in 2024

In 2024, Sigenergy achieved new results and breakthroughs in the pursuit of the clean energy revolution, adding over a hundred new features to the mySigen App and Sigen Cloud Management Platform based on user needs, fully optimizing user experience, and expanding our sales footprint to multiple countries.

Sigenergy's Major Events in 2024

- March**
Sigenergy partnered with Swedish virtual power plant (VPP) giant CheckWatt, achieving a discharge from 0kW to 8kW in just 3 seconds with the SigenStor system, far exceeding the industry standard of 7.5 seconds.
- May**
Sigenergy held a live event in Valencia, Spain, attracting nearly 200 industry elites from around the world.
- June**
We officially launched residential and commercial solutions in China. We encouraged distributors and installers to grow together through technical support, market guidance, and project connections. At Intersolar 2024, Sigenergy made a significant appearance with its distributed all-scenario energy storage solutions. Sigenergy delivered the V2X commercial solutions, transforming vehicles from mere transportation tools to the core of energy interaction.
- September**
Sigenergy officially launched its new intelligent management platform - Sigen Cloud Management Platform.
- November**
Sigenergy signed a strategic agreement for a 20 MWh energy storage project with TrakiaMT, a leader in the solar industry in Bulgaria.
- December**
Sigenergy APP has connected to dynamic electricity pricing mechanisms in 21 countries.

Feature

SigenStor- Enjoy Green Energy

As a leader in new energy technology innovation, Sigenergy launched the world's first five-in-one product, SigenStor, integrating Solar Inverter, EV DC Charger, Battery PCS, Battery Pack, and energy management system (EMS) into one powerful energy system, setting a benchmark for the deep integration of artificial intelligence and the energy industry with its highly integrated and energy-efficient performance.

Sigenergy combines artificial intelligence, digital technology, power electronics, and energy storage technology to create safe, high-quality, and reliable PV generation + energy storage + charging products and solutions. SigenStor integrates five major modules: photovoltaic inverter, energy storage converter, energy storage battery, DC charging module, and energy management system (EMS), making breakthroughs in multiple key technologies and leading a new trend of innovation in the industry.

SigenStor provides users with a convenient and efficient one-stop energy solution through its outstanding performance and innovative design. This device maximizes the utilization of solar energy resources through the collaborative operation of efficient photovoltaic components and an intelligent energy management system, reducing reliance on traditional power grids, achieving peak shaving and valley filling of energy, and significantly lowering carbon emissions. Its built-in EMS employs key technologies such as automatic networking, autonomous competition of the main control unit, and automatic parameter configuration, eliminating the need for additional control units or data acquisition devices, providing a more simplified, highly integrated, and redundant system solution, greatly reducing deployment and maintenance costs while enhancing system redundancy and reliability. With precise control algorithms, SigenStor achieves industry-leading 350ms anti-backflow control, making it an ideal choice for energy storage in small and medium-sized commercial and industrial applications.

In terms of industry performance, SigenStor demonstrates significant leadership. The device is equipped with a DC charging module, enabling efficient DC-to-DC charging and truly achieving 100% green energy charging. Its highly integrated design breaks through the limitations of traditional energy equipment, which often have single functions,

significantly reducing the footprint and installation complexity while being compatible with various energy access methods, adapting to different brands of photovoltaic modules and energy storage batteries, and possessing strong scalability and adaptability. The intelligent management system can flexibly adjust operating modes based on user needs and grid policies, maximizing both economic and environmental benefits.

In addition, Sigenergy, through the research and promotion of this product, has advanced the improvement of industry technical standards, setting a benchmark for the popularization and application of integrated PV generation + energy storage + charging technology. As an outstanding representative of green energy-saving technology, the Sigenergy five-in-one PV generation + energy storage + charging integrated machine not only creates significant economic and environmental value for users but also contributes importantly to the global energy transition and the achievement of sustainable development goals.

Looking ahead, Sigenergy will continue to drive the industry toward a greener and smarter future through technological innovation, injecting continuous momentum into the construction of a clean and low-carbon energy system, and increasing global access to green energy.



Key Technologies of SigenStor

- 15-minute quick installation
- 5-minute quick start
- Energy APP integrated with GPT-4o
- Safety standards for battery cells in European and American specifications
- Home energy storage system using 280Ah battery cells
- 0-millisecond load, no interruption, and ultra-fast grid connection and disconnection
- Integrated DC charging module with V2X technology

Excelling in Quality, Putting Service First

Upholding the craftsmanship spirit of creating cutting-edge products and the pioneering spirit of continuous innovation, Sigenergy continuously enhances product quality management and explores innovative technologies at the forefront of the industry. Meanwhile, Sigenergy places great importance on customer service, committed to continuously enhancing customer trust through a comprehensive service system. With its outstanding R&D capabilities, strict product quality control, and meticulous customer service, Sigenergy consistently surpasses industry standards and leads the energy revolution.

- R&D Innovation
- Quality Management
- Customer Service





R&D Innovation

R&D innovation is the driving force that propels Sigenergy forward in a highly competitive industry. In the fields of energy storage solutions and smart home technology, we continuously explore new paths and launch forward-looking and competitive products. While focusing on technological innovation, we also place a high priority on intellectual property protection, ensuring that innovative achievements are safeguarded and applied through rigorous intellectual property risk management.

R&D Management

Sigenergy continuously improves its R&D management system, establishing internal regulations such as the *R&D Project Management System* and the *Product Development Management Process* to standardize the entire process of key aspects like project initiation, review, and design change management. Meanwhile, we have set up a management structure for R&D related to products and solutions, clarifying the responsibilities at each level of the management structure to promote orderly and efficient R&D management.

We place great emphasis on the cultivation of R&D talent, actively building a new high ground for the exploration of new energy technologies. We promote the aggregation of R&D talent, with R&D personnel accounting for over 50% of the total number of employees. For certain cutting-edge technologies, we have established special development teams for preliminary research projects to prepare and lay the groundwork for future product development.

In terms of R&D platforms, Sigenergy has independently developed an All-in-one Testing Platform, which integrates functions such as test case management, test station management, test task execution, process monitoring, and report generation, achieving automation and standardization of the entire R&D testing process, providing strong technical support for Sigenergy's R&D innovation.

Based on the establishment of a comprehensive R&D management system and platform, Sigenergy places great importance on talent motivation and capability building within the R&D team. The Company offers incentives such as bonuses and recognition meetings for outstanding R&D talent, and through a systematic training system, comprehensively enhances the professional skills and safety awareness of R&D personnel.

During the Reporting Period, we regularly conducted knowledge training in various technical fields, covering equipment usage, safety regulations, industry information, and more. Meanwhile, we regularly hold solution training sessions for product areas such as photovoltaic inverters, residential and commercial energy storage, and electric vehicle charging station systems. In addition, we continuously update the team's knowledge of cutting-edge technologies through technical seminars and lectures by internal and external experts, stimulating innovative thinking.



R&D-related Training

R&D Achievements

During the Reporting Period, Sigenergy continued to increase its investment in research and development, focusing on energy storage solutions, smart home technologies, and other fields, achieving a series of breakthrough results that contribute to addressing global energy challenges.

Next-generation Modular Commercial Energy Storage Solutions Case

During the Reporting Period, Sigenergy launched a new generation of modular commercial energy storage solutions. Compared to traditional commercial energy storage solutions, our solution has the following innovations:

- The full modular design enables all components to be replaceable, significantly reducing maintenance difficulty and improving system availability.
- The installation is flexible, with high site applicability, saving land area.
- The photovoltaic-storage DC coupling enables higher system efficiency and faster system response compared to traditional AC coupling.
- The built-in active balancing reduces installation difficulty and improves the system's available capacity.
- There are six levels of battery safety protection.



Sigen AI-empowered Energy Optimization System Case

Sigen AI is an artificial intelligence energy optimization system designed for dynamic energy markets, aimed at efficiently managing the use and storage of household solar energy and optimizing electricity trading to achieve cost savings and maximize return on investment. The system supports various electricity pricing plans, including time-of-use pricing and dynamic pricing, allowing users to purchase electricity at lower costs and sell it at higher prices. In cases of negative electricity prices, Sigen AI can automatically identify and utilize low-cost electricity, increasing profits through charging or storage. Additionally, the system intelligently adjusts energy distribution based on user habits and weather forecasts, providing three battery scheduling modes to meet different needs, and supports intelligent scheduling of self-operated charging stations to ensure an economical and efficient charging experience.



Intellectual Property Management

Sigenergy places great importance on intellectual property management. We continuously optimized the management mechanism for intellectual property documents, formulated internal systems such as the *Early Warning System for Intellectual Property Risk of Sigenergy*, and established dedicated personnel for intellectual property management responsible for monitoring and preventing intellectual property risks. Our legal and intellectual property departments closely cooperate with the R&D team to comprehensively protect the Company's core innovative technologies through cross-departmental collaboration.

In terms of intellectual property risk management, Sigenergy actively promotes patent clearance, FTO¹, and in-depth research on the intellectual property rights of competitors to identify potential infringement risks in advance and adjust technical solutions or product designs promptly. Meanwhile, the Company conducts at least one training session related to intellectual property management each quarter to enhance the awareness and professional skills of R&D personnel and regularly invites external intellectual property firms to conduct special lectures and case sharing, helping the R&D team stay updated on the latest developments and regulatory changes in intellectual property.

Based on risk avoidance, Sigenergy strategically conducts patent layouts by identifying technological gaps and market demands, increasing both the quantity and quality of patent applications.

During the Reporting Period

the Company

did not have

any intellectual property-related litigation



¹ FTO: Freedom to Operate.



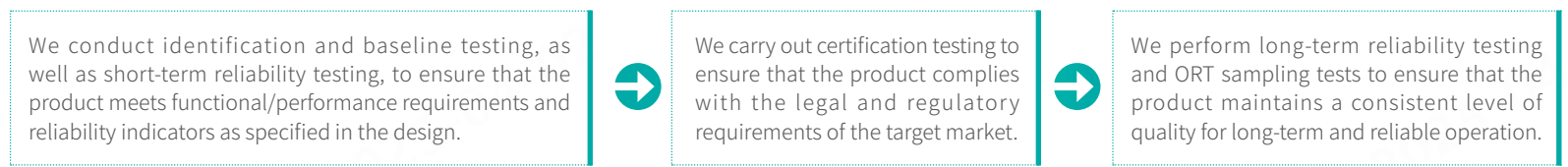
Quality Management

Sigenergy always regards quality management as the core pillar of its business development, promoting the deep integration of technological innovation and quality improvement. Through a comprehensive quality management system and testing processes, as well as establishing an internal culture that prioritizes quality, Sigenergy is committed to providing customers with safe, reliable, and efficient products and services.

Quality Management System

We have established a comprehensive quality management system that spans the entire process of research and development, production, testing, and delivery, ensuring that every link meets international standards and industry norms. Internally, we have formulated quality-related systems such as the *Testing and Verification Process*, *Incoming Inspection Management Procedure*, and *Non-conforming Product Management Procedure*, and we continuously improve the quality management structure. Meanwhile, the Company sets clear goals for quality management and reviews them promptly to adjust the direction of future quality management work. During the Reporting Period, the quality-related targets set by Sigenergy, such as product failure rate, product replacement rate, and product pass rate, have all been achieved.

Sigenergy has established strict quality development and quality testing processes and promptly records testing results to ensure that quality standards are met during the research and production phases. For non-conforming products identified during testing, the Company marks and isolates them according to the *Non-Conforming Product Management Procedure*, and conducts timely follow-up actions after issuing quality review opinions.



Quality Development Process



<p>Incoming material inspection</p> <p>Sampling tests are conducted on all raw materials to ensure they meet design requirements.</p>	<p>Production Process Monitoring</p> <p>Control points are established during the production process, consisting of self-inspection, mutual inspection, and specialized inspection to provide real-time monitoring of each key process link.</p>	<p>100% inspection of finished products</p> <p>Automated online testing equipment is used to monitor 100% of the product's performance parameters in real time, ensuring compliance with quality requirements.</p>	<p>100% aging test</p> <p>100% of products undergo aging tests at specific temperature and humidity conditions to ensure their reliability after long-term use.</p>
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Quality Inspection Process

Meanwhile, Sigenergy implements a continuous improvement plan, regularly evaluating and optimizing production processes based on internal quality testing data and external customer feedback, forming a closed-loop improvement to ensure that the Company's product quality remains at the industry-leading level.



Building a Quality Culture

Sigenergy continuously pursues excellence in product quality, with "winning through quality" as its core value orientation, actively building a culture of excellence in quality internally. The Company provides systematic training programs, regularly offering specialized training in quality management, process standards, and operational specifications for employees, and holds quality conferences and quality month activities to ensure that every employee possesses high standards of quality awareness and skills.

Sigenergy's First "Quality Month" Event

Case

During the Reporting Period, the Company's R&D Quality and Operations Department planned and implemented the "Sigenergy Quality Month" activities, which covered all employees. A total of 1 conference, 5 themed activities, and 2 specialized training sessions were held to deeply promote quality management concepts and practical methods to employees, laying a solid foundation for the continuous improvement of the Company's quality management level.



Sigenergy Quality Month Activities



A total of

1
conference

5
themed activities

2
specialized training sessions





Customer Service

Sigenergy always regards customer service as the core driving force for the Company's development, continuously improving the customer service management system. The Company adheres to a responsible marketing philosophy, ensuring transparency of information and sincerity in service. Through systematic customer service training, the team's professional quality is enhanced. Meanwhile, regular customer communication activities are held to listen to customer needs, continuously optimize the service experience, and strive to create long-term value for customers.

Customer Service Management

Sigenergy upholds the concept of "focusing on users and aiming for user satisfaction", continuously building an efficient and precise service system. The Company has established internal systems such as the *User Satisfaction Management Procedure* and the *Customer Complaint Handling Procedure*, and through the deep integration of Customer Relationship Management (CRM) and Enterprise Resource Planning (ERP) systems, it has achieved digital and intelligent management of customer service, ensuring the standardization and efficient implementation of service processes. Sigenergy adopts a three-tier management model of "headquarters service + frontline service + service center", where the headquarters is responsible for overall planning and service support, the frontline team provides on-site service and problem-solving, and the service center acts as a bridge to ensure smooth information flow and resource coordination.



To continuously improve customer satisfaction, the Company actively implements multiple measures. We conduct customer feedback tracking through diverse channels such as surveys and customer service hotlines to comprehensively collect customer opinions and suggestions regarding product usage. In response to the collected customer complaints or feedback, we maintain a prompt response attitude, replying to customer issues as soon as possible, and utilizing a model of "AI + service partners + frontline services + agency services + regional service centers" to ensure that every customer issue is addressed and resolved. Meanwhile, Sigenergy has established a regular meeting system to conduct in-depth analysis and discussion of customer feedback, promptly reviewing product market performance, formulating improvement measures, and executing them quickly. This series of measures not only enhances customer trust but also drives the continuous optimization of Sigenergy's products and services.

- Receive customer complaints.
- Confirm and analyze the complaint content.
- Analyze the reasons and formulate improvement countermeasures.
- Provide customer response and close the case.

Customer Complaint Handling Process

Customer Communication and Exchange

Sigenergy places great importance on communication and interaction with customers. Through diverse communication and visit activities, we gain an in-depth understanding of market demands and customer feedback, deepen cooperative relationships, and enhance customer experience. The Company conducts promotion vehicle tour activities, engaging in face-to-face communication and demonstrations at customer locations, visually presenting the latest technologies and products, while also gathering actual customer needs and feedback to further optimize products and services. This activity not only brings the Company closer to its customers, enhancing their trust and recognition of the brand but also lays a solid foundation for future cooperation.



Promotion Vehicle Tour Activities

During the Reporting Period, Sigenergy organized face-to-face exchanges with over 100 partners' leaders and hosted over 300 partners' representatives for visits to the country. Meanwhile, the Company actively participates in marketing activities held in various countries, accurately connecting with local needs. Through the installer empowerment program, we provide technical training, operational support, and other services to help partners enhance their service capabilities and market competitiveness.

Sigenergy has earned the trust and support of customers through sincere service, and this dedication has yielded rich rewards. Currently, we have established online communities in several overseas countries, attracting thousands of fans to join. These communities are not only platforms for customer communication but also reflect their high recognition of Sigenergy's product quality and customer service. Community members actively participate in discussions, share their experiences, and provide valuable suggestions for product optimization. In addition, we have received many letters of gratitude from customers and have been selected as the preferred new energy installer on a certain social media platform. These voices from global customers not only recognize our services but also motivate us to keep moving forward.

Responsible Marketing

In adherence to the concept of responsible marketing, Sigenergy is committed to providing customers with authentic, transparent, and reliable product information and service commitments. The Company strictly complies with international and local market laws and regulations and has established internal systems such as *Management Regulations for the Product Launch Marketing Support Process* and *Social Media Content Release Guidelines* to ensure the accuracy and compliance of marketing content, eliminating exaggerated claims or misleading information. In product promotion, Sigenergy actively conveys the values of sustainable development, highlighting the advantages of its products in energy conservation, emission reduction, and environmental protection, helping customers make informed choices. The Company regularly conducts marketing-related training to enhance the professional quality of the team, ensuring that employees prioritize customer interests and provide sincere and professional services. With a responsible marketing philosophy, Sigenergy has not only gained the trust of its customers but also set a benchmark for the healthy development of the industry. During the Reporting Period, the Company did not have any incidents related to marketing violations.

Seeking Synergistic Development, Achieving Mutual Success

Sigenergy adheres to the concept of win-win cooperation and is committed to building a high-quality new energy ecosystem. We place great importance on cooperation with suppliers, focusing on regulating supplier behavior and growing together with our supplier partners.

- Supplier Management
- Industry Co-construction



02



Supplier Management

The excellent products, quality services, and vigorous development of Sigenergy rely on stable and orderly supplier management. We continuously improve our supplier management system to support and empower suppliers, achieving shared responsibilities, resource sharing, and win-win cooperation.

Supplier Management System

Sigenergy continuously improves its supplier management system, internally establishing regulations such as the *Supplier Performance Management Regulations* to promote the orderly development of supplier management work. We have clarified the supplier management structure, specifically setting up three functions to manage suppliers comprehensively, implementing departmental responsibilities, and achieving efficient and professional management.

CEG Function

Responsible for leading supplier development, business cooperation, and relationship management



Procurement Function

Responsible for material purchasing, reconciliation, etc.



Supplier Quality Management Function

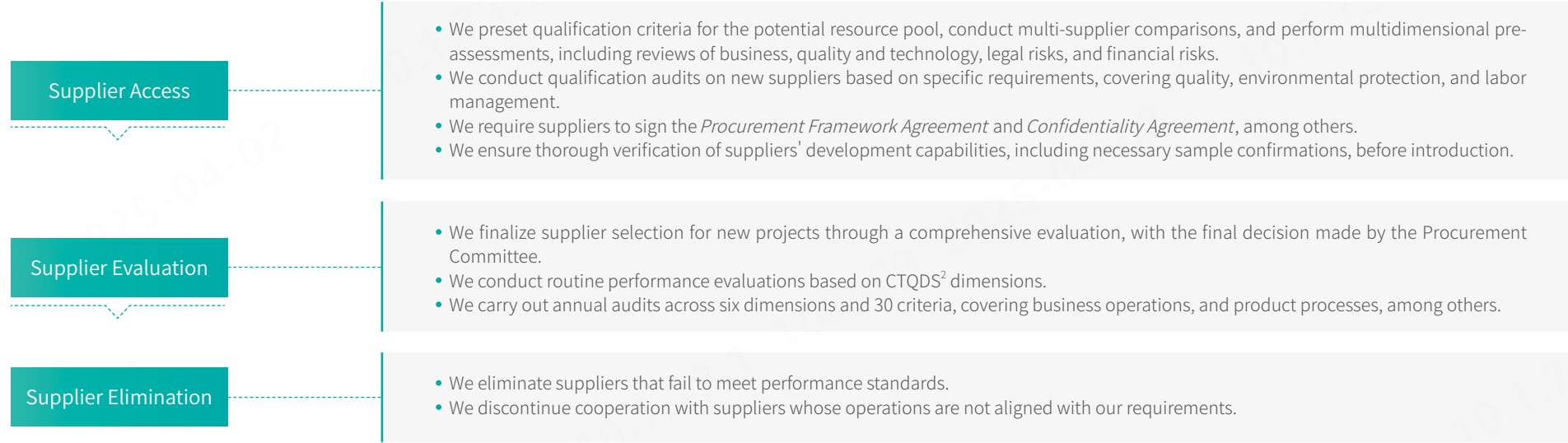
Responsible for supplier quality management



Three Functions of Supplier Management



To standardize supplier behavior, deepen cooperation with suppliers, and improve business quality, Sigenergy puts in place strict access, evaluation, and elimination processes for suppliers.



During the supplier evaluation phase, Sigenergy conducts daily assessments and annual audits of supplier performance and follows up to ensure suppliers complete issue rectifications. We proactively identify supplier risks in terms of technology, quality, delivery, business, and service to ensure a high-quality and stable supply of all purchased materials. As of the end of the Reporting Period, the Company conducted a risk assessment of the supplier resource pool, performed annual audits on several identified high-risk suppliers, and eliminated those that did not meet standards.

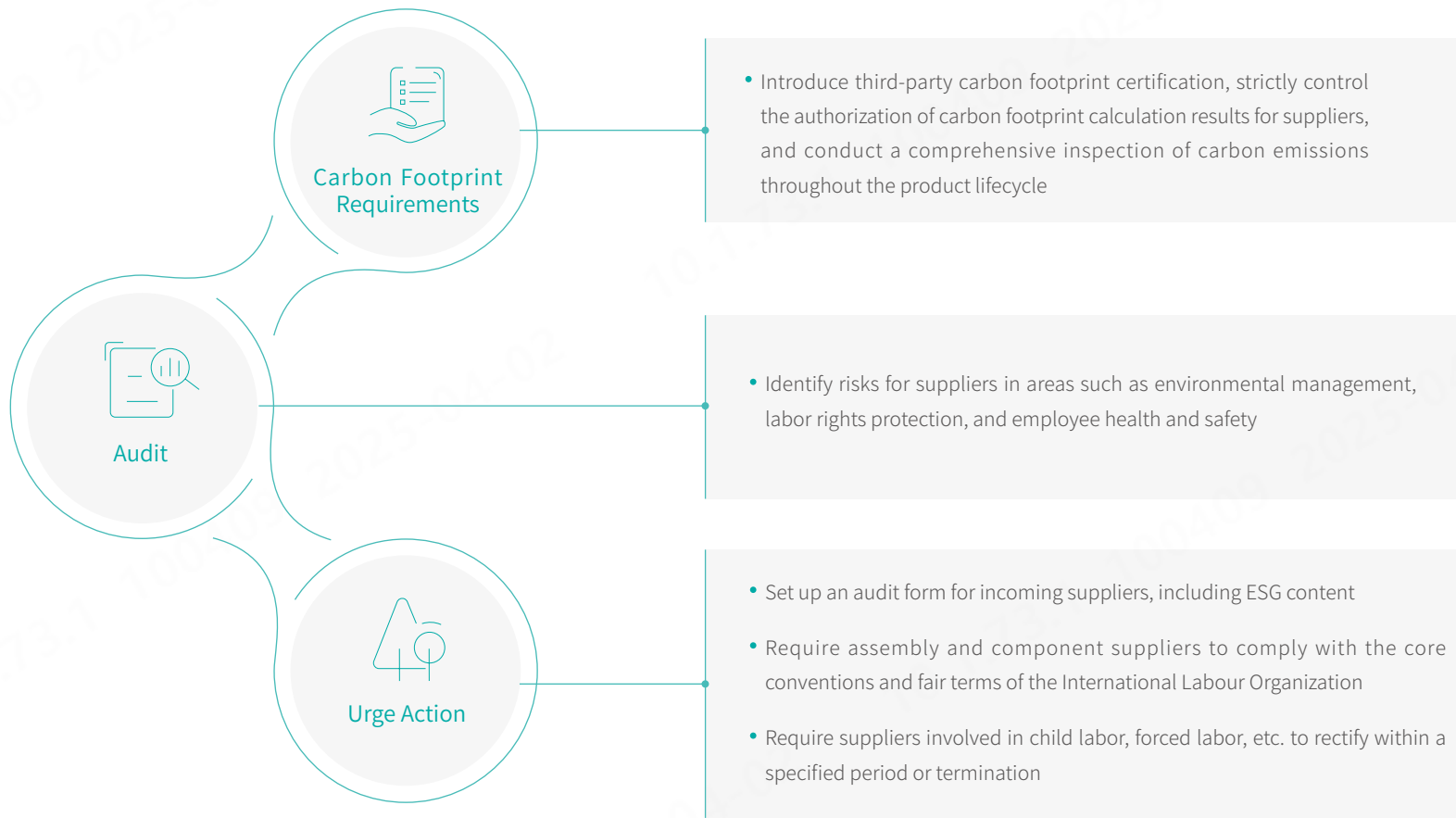
Supplier Access, Evaluation, and Elimination Process



² CTQDS: Cost, Technology, Quality, Delivery and Service.

Sustainable Supply Chain

Sigenergy is committed to creating a sunny and transparent supplier environment. We require suppliers to adhere to the bottom line of business ethics under relevant laws and regulations. We set sustainability-related requirements for all suppliers, including environmental protection and business ethics, and perform ESG compliance audits for some suppliers.



Supplier ESG Audit

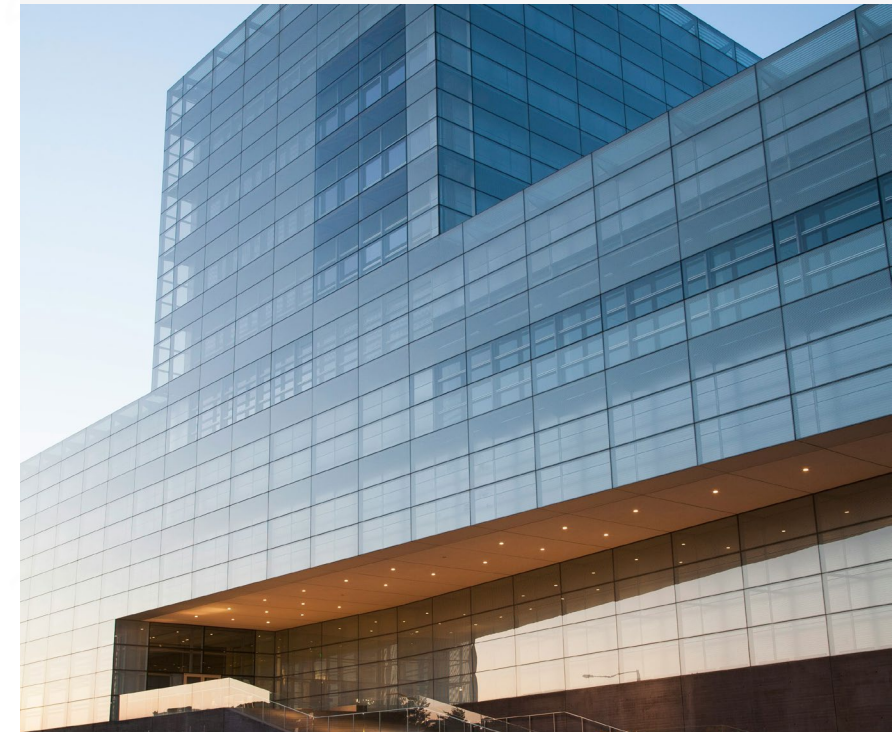
We set strict business ethics requirements for suppliers, requiring all suppliers to sign the *Integrity Agreement* and set up supplier reporting channels and complaint mailboxes (Audit@sigenergy.com), and arrange special personnel to handle and provide feedback.



During the Reporting Period

key materials and production suppliers

100%
signed the Integrity Agreement



Supplier Empowerment

To further enhance the overall competitiveness of suppliers and promote collaborative development along the industry chain, Sigenergy has carefully planned a series of empowerment activities for each supplier. These activities not only include professional skills training but also delve into technical exchanges and cooperation. We collaborate with suppliers to develop cutting-edge industry technologies, improving system efficiency and product stability, thereby injecting strong momentum into industry development. In addition, the Company conducts long-term on-site support, regular presentations, quality training, and improvement activities to empower our supplier partners. During the Company's Quality Culture Month activities, we conducted a month-long visit by the president to key suppliers, where supplier quality engineers and key category R&D administrative supervisors deeply confirmed the implementation of key process controls on the production line. Through this visit, we successfully conveyed to suppliers the philosophy that "quality is of the top management's concern, and quality is the fundamental lifeline of the enterprise".

During the Reporting Period



we held over **160**
technical exchange activities with suppliers

150

training exchange activities

A Series of Visits by the President of Sigenergy to Core Sheet Metal Suppliers

Case

In the 2024 Quality Culture Month activities, we planned the "President-led Quality Inspection" event, aimed at working with suppliers to build a consensus that zero-defect quality is the lifeline of the enterprise. In this event, we visited a total of 9 suppliers, including core suppliers in sheet metal, PCBA, wiring harness, and magnetic components. Both parties engaged in in-depth discussions on strategic cooperation, new project development, quality control, mass production supply assurance, reaching a high level of consensus, and providing solid support for Sigenergy to achieve the annual business goals.

Deepening Collaboration in the Supply Chain to Build High-quality Standards Together

Case

Sigenergy identifies key suppliers and establishes the role of the on-site factory manager to deeply collaborate with suppliers to enhance overall process quality control and production efficiency. For example, in the PCBA factory, we developed a systematic quality improvement strategy, optimizing the new product introduction process, managing the introduction of equipment and tools, conducting daily production line inspections and records, controlling quality in key processes, and setting KPIs for the production team. We gradually implement the zero-defect quality goal of Sigenergy by establishing special key breakthroughs and following up through daily meetings.



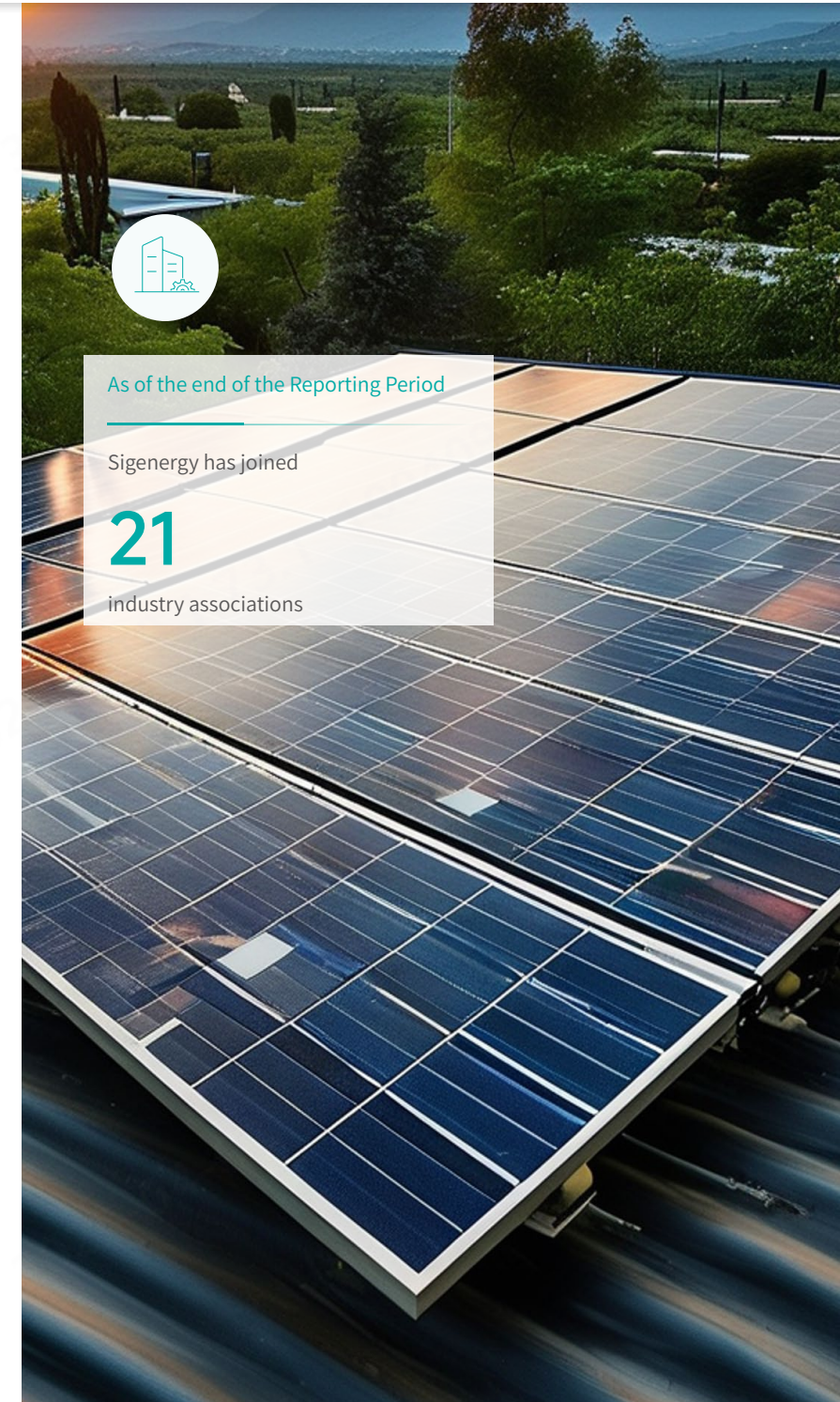


Industry Co-construction

We focus on collaborating with ecosystem partners to shape a more resilient, sustainable, and innovative industry ecosystem. We actively join various industry associations and become important members of multiple authoritative organizations to promote the prosperous development of the industry. As of the end of the Reporting Period, Sigenergy has joined 21 industry associations.

Country or Region	Industry Association	Position
Global	SolarPower Europe	Member
Global	International Battery & Storage Alliance	Member
Austria	PV Austria	Member
Germany	BSW	Member
Sweden	Swedish Solar Energy	Member
Italy	ITALY SOLARE	Member
Portugal	APREN	Member
Spain	UNEF	Member
Spain	APPA	Member
Benelux	Holland Solar	Member
Benelux	Energy storage NL	Member
Belgium	PV-Vlaanderen	Member
France	SER French Renewable Energy Trade Association	Member
United Kingdom	Solar Energy UK	Member
Poland	Polish Photovoltaic Association	Member
Poland	PSME	Member
South Africa	SAPVIA	Member
Australia	SEC	Member
China	China Photovoltaic Industry Association (CPIA)	Member
China	China Energy Storage Alliance (CNESA)	Member

Industry Associations Joined by Sigenergy



As of the end of the Reporting Period

Sigenergy has joined

21

industry associations

The Company combines its practical experience and cutting-edge insights in the field of new energy to provide valuable references and suggestions for industry development. We jointly released the *2024 China Industrial and Commercial Energy Storage Market Development Report* with S&E Consulting, disclosing the modular design concept and photovoltaic storage direct current coupling technology, successfully broadening the application scope of photovoltaic energy storage systems in the commercial and industrial sectors. In addition, the Company collaborates with globally renowned certification bodies such as TÜV to provide third-party authoritative quality and performance certifications.



Collaborating Certification Institution

Provided Certifications

TÜV Rheinland

CE safety certification, listing in Australia, etc.

TÜV SÜD

CE EMC certification, national access certification, etc.

Sigenergy's Collaboration with Some Certification Institutions

Sigenergy actively participates in various industry activities, sharing its rich industry practices and technical experience. We keep abreast of industry trends, promoting the rapid and high-quality development of our industry while establishing mutual assistance ties with partners from other sectors to drive high-quality collaborative development in the new energy industry.

Sigenergy Successfully Held a Commercial and Industrial PV Generation + Energy Storage + Charging Exchange Meeting

Case

On May 14, 2024, Sigenergy successfully held a commercial and industrial PV generation + energy storage + charging exchange meeting in Valencia, Spain. This exchange meeting attracted nearly 200 distributors, installers, media representatives, and industry opinion leaders from around the world, who discussed the innovative applications of Sigenergy's energy storage technology in the commercial and industrial sectors. Meanwhile, we engaged in in-depth discussions with partners from Spain, Sweden, and other regions about the innovative development and bright prospects of the SigenStor "One for All" solution, providing new ideas and directions for the sustainable development of the industry.



The European Commercial and Industrial PV Generation + Energy Storage + Charging Exchange Meeting



As of the end of the Reporting Period

Sigenergy has led or participated in a total of industry exhibition events

24

Sigenergy Had Dialogues at the China PV Green Supply Chain Conference

Case

From August 7 to 9, 2024, the Third China PV Green Supply Chain Conference was held in Jiaxing, Zhejiang, where Sigenergy was invited to participate and share its innovative experiences in the deep integration of "PV power generation, energy storage, end user, and information technologies". This event clarified Sigenergy's development path in continuously deepening the solar storage field and promoted the good formation of a collaborative win-win development system in the new energy industry.



China PV Green Supply Chain Conference

Embracing Solar Energy, Securing a Greener Future

Adhering to the principles and bottom lines of environmental protection, Sigenergy strives to reduce the burden and impact of its operations on the environment and takes proactive measures to protect the ecological environment. We firmly believe that through continuous technological innovation and management refinement, Sigenergy will contribute more to achieving global sustainable development goals.

- Addressing Climate Change
- Fulfilling Green Operations

03





Addressing Climate Change

Climate change represents an enormous challenge that the entire human society has to deal with jointly. We focus on the future directions of global sustainable development and actively explore the path of green development to carry out relevant work, sparing no effort to support and respond to the national goals of carbon peaking and carbon neutrality.

Climate Change Risk Identification and Response

Sigenergy, as a new energy company at the forefront of green transformation, is well aware of the potential impact of climate change on the Company's long-term development. Following the *Sigenergy Comprehensive Risk Management Measures*, we have systematically identified physical and transition risks related to climate change based on stakeholder communication and suggestions from industry experts. To effectively address these risks, we have implemented a series of targeted measures to ensure the Company's resilience against risks in the future.

Risks	Risk Description	Response Measures
Physical risks	Typhoons	<ul style="list-style-type: none"> We strengthen the wind resistance construction of the Lingang Factory's facilities, reinforcing the structure of the factory buildings and ensuring the robustness of the equipment. We have developed the <i>Emergency Response Plan for Flood and Typhoon Control</i> and specific emergency response plans, including plans for personnel evacuation and equipment protection. We have established supply chain emergency response plans and built buffer stock, to ensure continuous production and distribution of finished products.
	Extreme temperatures	<ul style="list-style-type: none"> We refine the design of production equipment to improve its tolerance to high or low temperatures. We equip our employees with appropriate PPE and provide necessary health monitoring and rescue measures.
	Floods	<ul style="list-style-type: none"> We reinforce the construction of flood control facilities in the Lingang Factory, such as improving the factory's drainage capacity. We have developed a detailed emergency response plan for floods. We have established a linkage mechanism for emergency response with the local governments and relevant departments to ensure that we can get prompt rescue and support in the event of floods.
Transition risks	Requirements and regulation of existing products and services	<ul style="list-style-type: none"> We step up efforts in studying climate-related regulations and policies to ensure that our business operations comply with relevant requirements. We have established a comprehensive ESG management system, strengthened carbon emission monitoring and reporting, and improved the transparency and accuracy of ESG disclosure.
	The transformation costs for low-carbon technologies	<ul style="list-style-type: none"> We proactively explore new technologies and routes for low-carbon transformation, gradually expanding green transformation from low-cost energy conservation projects. We plan our financial costs to avoid cash flow risks.
	Carbon tax / Carbon pricing	<ul style="list-style-type: none"> We accelerate the R&D and application of green technologies and materials, conduct green product certification, and reduce the carbon footprint of our products. We promote the green transformation of the supply chain, encouraging and supporting suppliers to adopt environmentally friendly materials, energy, and technologies.

Climate Change Risk Identification and Response

³ The scope 1 GHG emission sources of Sigenergy include mobile combustion emission sources.

⁴ The GHG emission factor adopted in the calculation of Scope 2 GHG emissions is 0.5366 kgCO₂/kWh, which is the average carbon dioxide emission factor of electricity in China as stated in the *Notice on the Release of CO₂ Emission Factors for Electricity in 2022* released by the National Bureau of Statistics of China.

Climate Change-Related Objectives

We have set a per capita emission reduction target for the Pujiang Office Zone, which means that the per capita carbon emissions will decrease by 3% by 2025 compared to 2024. During the reporting period, our greenhouse gas (GHG) emissions were as follows.

Scope 1 Direct GHG emissions³

5.31 Tons

Scope 2 Indirect GHG emissions⁴

4,307.29 Tons

Total GHG emissions (Scope 1 and Scope 2)

4,312.59 Tons

Statistics of GHG Emissions Performance



Fulfilling Green Operations

Green operations serve as the cornerstone for Sigenergy to achieve sustainable development, guiding us to carry out continuous exploration and innovation in environmental management, efficient resource utilization, energy conservation, and emission reduction. Sigenergy is committed to setting a benchmark for the industry's green development and promoting harmonious coexistence between humans and nature.

Environment Management

We strictly comply with national and local environmental laws and regulations such as the *Environmental Protection Law of the People's Republic of China* to ensure environmental compliance in all aspects of our operations. We have formulated the *Regulations on Environmental Protection Management* to regulate the Company's environmental management standards and facilitate the efficient implementation of environmental protection work. We have established the EHS Department to be responsible for environmental compliance management, regulating pollutant emissions, resource management, and the daily work in related fields. It has also been required to regularly maintain management records such as the *Operation Record of Environmental Protection Facilities*, the *Inspection Record of Environmental Protection Facilities*, and the *Monthly Inspection Record of Environmental Protection Facilities*. We have established a comprehensive environmental management system, and our Lingang Factory and Pujiang Office Zone have both passed ISO 14001 certification.

We actively carry out online training and promotion of environmental management. We use convenient and efficient online platforms to help employees learn knowledge and skills in environmental management, making environmental management philosophy take root among employees, and translate it into practical actions. Our employees can use "Sigenergy Cloud Classroom", the Company's exclusive training platform to access diverse learning resources, including environmental laws and regulations, waste management, and work safety. During the reporting period, the Company conducted a total of 10 offline environmental training sessions for employees, with a total of 275 participants.

Energy Management

Sigenergy regards efficient energy management as an important link in achieving sustainable development. We have established internal systems such as the *Energy Management Regulations* to scientifically manage energy consumption-related issues during the operations of the Company, striving to achieve energy conservation and emission reduction to the maximum extent possible while ensuring robust business development. During the reporting period, we have set clear targets for energy consumption.

The energy consumption per unit of the inverter products will be reduced by

5 %

compared with that in 2024.

The energy consumption per unit of the EV charging products will be reduced by

3 %

compared with that in 2024.

The energy consumption per unit of the PACK products will be reduced by

3 %

compared with that in 2024.

Electricity consumption of Pujiang R&D will decrease by

3 %

per capita compared with 2024.

Energy Consumption Targets for 2025



During the production and operation, we actively adopt multiple measures to improve energy utilization efficiency, reduce the energy consumption per unit, and vigorously promote the use of clean energy.

The waste heat recovery project

The waste heat generated in the production process is transferred to other places such as offices through heat exchange systems and waste heat recovery facilities, thus reducing the overall energy consumption.

Energy conservation solutions for the aging stage

During the aging test of products, we scientifically allocate aging loads and flexibly adjust the allocation of power resources during non-peak periods to effectively reduce energy consumption during the aging stage.

Cascade utilization and recycling

During the R&D and production process, we utilized energy storage lithium iron phosphate (LiFePO4) batteries in a cascade manner and recycled PCBA boards, successfully processing three tons of LiFePO4 batteries and four tons of PCBA boards, reducing the energy consumption in the production of batteries and PCBA boards.

Using clean energy

We fully utilize our products by laying photovoltaic panels on the roof of the office zone and setting up photovoltaic charging stations in the parking area of the office building.

Energy Conservation Measures

⁵ The scope of energy statistics covers the Pujiang Office Zone and the Lingang Production Base.

Sigenergy Implements Zero-carbon Solutions

Case

Sigenergy designs and operates zero-carbon solutions in its R&D Center and Lingang Production Base. Through seamless collaboration between PV power generation and energy storage systems, it maximizes the use of PV power generation for self-consumption and reduces its electricity costs. By implementing demand management, we can reduce the load during peak electricity consumption periods, lower demand-based electricity expenses, and achieve cost reduction, carbon reduction, and sustainable office operations.



Self-powered Integrated Photovoltaic and Energy Storage System

During the reporting period, our specific energy consumption⁵ was as follows.

Total purchased electricity

8,027 MWh

Renewable energy consumption - photovoltaic power generation

471 MWh

Total indirect energy consumption

8,498 MWh

Gasoline consumption

2,519 Litre

Total energy consumption

8,520 MWh

Statistics of Energy Consumption Performance



Resource Consumption

Sigenergy strictly complies with laws and regulations such as the *Water Law of the People's Republic of China*. It clarifies the requirements for the use of various resources within the Company to avoid resource waste. We deeply analyze and comprehensively examine every aspect of resource utilization, continuously explore new paths for efficient resource utilization, and ensure that every resource investment can be transformed into maximum social value and ecological benefits. We have set a resource management goal of reducing the total fresh water consumption by 3% by 2025 compared to 2024.

We have installed a rainwater collection system for the factory. The collected rainwater is used for greening irrigation. Meanwhile, we have posted water conservation slogans in the bathroom to guide employees to develop good habits for water conservation. In addition, the Company focuses on carrying out packaging material recycling projects and developing identification lists for packaging materials to ensure that all recyclable packaging materials are accurately classified and properly disposed of. We have set up a dedicated recycling and storage area within the factory area for centralized processing of the packaging materials. We have also established cooperation with professional third-party recycling agencies to ensure that packaging materials meet industry standards for reuse. During the reporting period, our resource consumption⁶ was as follows.

Resource consumption	Unit	2024
Total water consumption	Tons	7,871
Fresh water consumption	Tons	7,871
Total consumption of packaging materials ⁷	Tons	826.7

Statistics of Water Consumption and Packaging Material Consumption Performance

⁶ The scope of resource consumption statistics covers the Pujiang Office Zone and the Lingang Production Base.

⁷ The total consumption of packaging materials is estimated based on product output.



We have set a resource management goal

reducing the total fresh water consumption by

3%

by 2025 compared to 2024



Pollutant Management

Practical and feasible measures for pollutant management are key to reducing environmental pollution and maintaining ecological security. The Company strictly adheres to laws and regulations such as the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution*, the *Standard for Pollution Control on the Storage and Disposal Site for General Industrial Solid Wastes*, and the *Standard for Pollution Control on Hazardous Waste Storage*, to reduce operational waste. It has also formulated the *Regulations on Environmental Protection Management* internally to optimize waste management processes and disposal methods, providing institutional support for green production.

We continuously improve the waste emission management process and have established a stringent management process of "identification, collection, storage, transportation, disposal, and supervision". Meanwhile, we have established dedicated management records and inspection record sheets to ensure the orderly disposal of waste and minimize environmental pollution caused by waste emissions.

Waste Identification

- Accurately identify and classify solid waste and hazardous waste.
- Develop a waste inventory, indicating the source, name, details, and disposal method.



Collection and Storage

- Store the collected waste in the designated areas.
- Set up partitioned storage facilities and labels to ensure separate storage of different wastes and avoid secondary pollution.
- Hazardous waste is stored in the dedicated temporary storage room and labeled with warning signs.



Transportation and Treatment

- Engage a third-party waste treatment agency with legal qualifications to carry out hazardous waste recycling and harmless treatment.
- Record the entire process of waste transfer and important milestones to ensure the traceability of the treatment process.



Supervision and Improvement

- Regularly evaluate the waste treatment process and identify optimization potential.
- Improve the production processes to reduce waste generation.

Waste Emission Management Process

To manage waste gas emissions, the Lingang Production Base conducts monitoring of fugitive waste gas every six months and conducts annual monitoring of organized waste gas to ensure that waste gas emissions meet national waste gas emission standards. Meanwhile, we regularly replace activated carbon and filters and adjust processes and operating equipment in real time to reduce waste gas emissions, and step up our efforts to protect the ecological environment. During the Reporting Period, our solid waste and waste gas emissions were as follows.

Solid Waste ⁸	Unit	2024
Total solid waste	Tons	271.92
Total hazardous solid waste	Tons	12.32
Waste battery	Tons	2.87
Other hazardous solid waste	Tons	9.45
Total non-hazardous solid waste	Tons	259.60
Domestic and food waste ⁹	Tons	36.30
Production waste	Tons	8.60
Other wastes, such as discarded packaging, cardboard boxes, etc.	Tons	214.70

Waste Gas Emission	Unit	2024
NMHC	Tons	0.0195

Statistics of Solid Waste and Waste Gas Emissions Performance

⁸ The scope of waste statistics covers the Pujiang Office Zone and the Lingang Production Base.

⁹ Domestic and food waste is estimated based on actual conditions.

Caring about Employees, Facilitating Community Integration

Upholding the philosophy of putting people first, Sigenergy protects the rights and interests of employees and provides a competitive remuneration system and comprehensive benefits in the market. Meanwhile, we are highly concerned about the physical and mental health of our employees and create a favorable environment for their growth. While caring for our employees, we actively make social contributions through public welfare initiatives and strive to achieve a win-win situation for both employees and the Company.

- Compliant Employment
- Talent Development
- Employee Care
- Employee Health and Safety
- Community Contribution





Compliant Employment

Sigenergy resolutely safeguards the legitimate rights and interests of its employees. It adheres to the employment policy of equity and non-discrimination and is committed to building a diverse, equal, and inclusive working environment, and creating a harmonious and collaborative working atmosphere.

Strictly complying with the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China*, the *Social Insurance Law of the People's Republic of China*, the *Provisions on the Prohibition of Using Child Labor*, and other relevant laws and regulations, Sigenergy has revised its internal systems such as the *Employee Handbook*. Following the principles of fairness, impartiality, and openness, and combining internal selection and open recruitment, the Company selects and hires employees based on their merits, comprehensively evaluating the candidates' quality, skills, experience, and other factors. Discrimination is strictly prohibited, including discrimination due to ethnicity, religion, region, gender, age, and other factors. Upholding internationally recognized human rights, we are committed to eliminating all forms of forced and compulsory labor and effectively abolishing child labor. We have developed internal policies such as the *Anti-slavery and Human Trafficking Policy* and continuously reduce the risks of modern slavery or human trafficking within the Company. During the Reporting Period, Sigenergy did not experience any incidents of violating labor rights.

Sigenergy actively implements the strategy of empowering the Company with outstanding talents. It has carried out diversified recruitment activities, to extensively explore and attract outstanding talents in the industry. As of the end of the Reporting Period, Sigenergy has successfully gathered a large number of highly educated professionals, with up to approximately 60% of R&D team having a master's degree or above, laying a solid foundation for the Company's innovative technology research.

Sigenergy 2025 Campus Recruitment Campaign

Case

In September 2024, Sigenergy launched 2025 campus recruitment seminars in cooperation with universities such as Shanghai Jiao Tong University, Zhejiang University, Tongji University, Southeast University, and Nanjing University of Aeronautics and Astronautics. The seminars received a warm response from faculty and students, with over 1000 participants. After strict selection, Sigenergy finally hired more than 60 outstanding students, of which more than 80% were students from Project 985 and Project 211 universities, and overseas universities on the Top 200 QS World University Rankings List, and 100% were students with a master's degree or above. This campus recruitment campaign not only effectively enhanced the corporate image of Sigenergy in universities, but also laid a foundation for the Company's long-term cooperation with prestigious universities such as Shanghai Jiao Tong University and Zhejiang University.



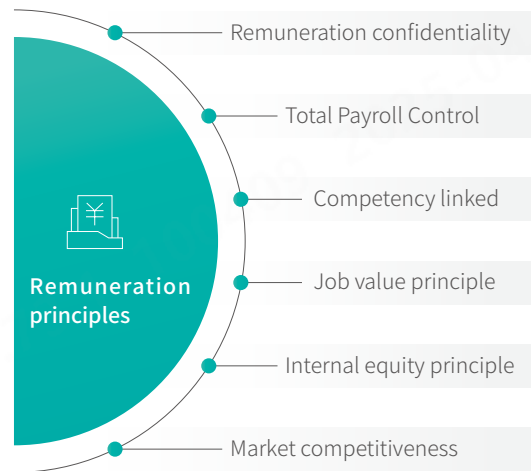


Talent Development

Sigenergy is keenly aware that talent development serves as the foundation of the Company's development. We attach great importance to the growth and development of our employees and provide diversified vocational training programs for employees to enhance their overall quality and their skills, thus achieving a win-win development for both the employees and the Company.

Remuneration and Incentives

In addition, Sigenergy has formulated the *Remuneration Management System* and continuously optimized the employee remuneration system. To attract and retain high-quality employees, the Company provides a competitive remuneration system for employees and contributes social security premiums and housing provident funds for its employees under the law to safeguard employees' rights and benefits.



Remuneration Principles of Sigenergy

Sigenergy is committed to standardizing its employee performance appraisal methods and promotion and development mechanisms and has developed the *Performance Management and Promotion System*. We conduct ranking appraisals for new employees, front-line positions, and middle and senior positions. There are six appraisal ranks: A+ (excellent), A (outstanding), B+ (good), B (competent), C (narrowly competent), and D (unqualified). We also provide targeted rewards or improvement suggestions for employees of different ranks. The Company provides two options for top-ranked employees: incentive rewards or promotion to management positions, in a bid to stimulate employees' enthusiasm for work.

<p>Incentive policies regarding household registration, housing, etc.</p>	<ul style="list-style-type: none"> • Provide the opportunity to obtain a Shanghai hukou for the Company's backbone employees, as well as those engaged in R&D and production, etc. • Employees of the Company enjoy the talent relocation subsidy and the preferential housing purchase policies provided by the Lingang New Area.
<p>Incentive policies for different management levels</p>	<ul style="list-style-type: none"> • Provide equity incentives and project incentives (mainly related to specific project development and performance). • Provide year-end bonus (related to annual KPI). • Provide bonuses and benefits for frontline workers (related to production tasks)
<p>Talent incentive policies</p>	<ul style="list-style-type: none"> • Provide a talent reward mechanism for the Lingang New Area.
<p>Internal incentive policies</p>	<ul style="list-style-type: none"> • Employees have the opportunity to receive immediate incentives every month for outstanding performance, covering 100% of departments. • Select outstanding individuals and teams of the year and award them accordingly.

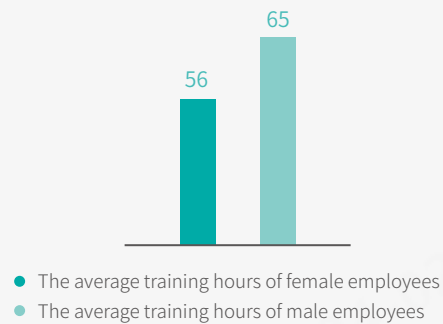
Incentive Programs of Sigenergy



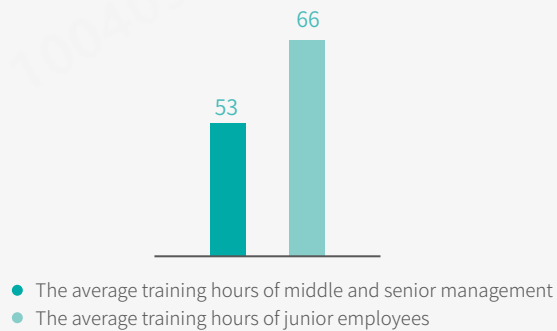
Employee Training

Sigenergy attaches great importance to employee development. To cater to the learning needs of different positions and roles, improve employees' professional skills and comprehensive qualities, and promote their career development, it has formulated systems such as the *Training Management Measures* and the *Training System*. In line with the requirements adapted to the current development stage of the Company, the training system is mainly divided into four segments: new employee training, general training for all employees, manager training, and professional training. All the training aims to facilitate the mutual growth of employees and the Company by continuously updating and optimizing the internal learning and development systems. As of the end of the Reporting Period, the total enrollments of different training programs reached 5,339, with an average training hours of 62 hours per capita.

The training hours per capita by gender



The training hours per capita by employee category



New employee training

New employee training aims to help new employees quickly fit into the corporate culture, and master basic business knowledge and general workplace skills, mainly including cultural integration, essential knowledge and skills required by the systems, safety and compliance, etc.

General training for all employees

General training aims to help employees further familiarize themselves with the Company's products and services, business processes, and work relationships, and acquire basic knowledge and business skills for their positions. General training is currently divided into five categories: sales and service knowledge, research knowledge, knowledge about business processes, professional ethics, and HR classroom. We hope to assist employees in achieving continuous learning and growth in practice.

Manager training

We have designed the courses of manager training for new managers and require them to take these courses to provide support for them while they are transitioning into their new roles and establishing their awareness of their managerial identities. We aim to empower them and help them to sort out the management abilities required to cope with constantly changing internal and external environments and challenges, including leadership, and organizational, planning, coordination, and control abilities.

Professional training

Based on the requirements and obligations of positions in various professional fields, each department sets professional learning requirements and conducts training accordingly. It mainly aims to improve employees' job competence and professional competence.



Training for fresh graduates



Sigenergy Cloud Classroom

In addition, Sigenergy has established a one-on-one mentoring system to facilitate the rapid growth of new employees. Senior employees provide direct guidance to new employees. In this way, we help them quickly fit into the Company's environment and tap into their potential. Each new employee will have an experienced mentor to help them gain a multidimensional understanding of the Company's culture. It will boost the communication and collaboration between the new employees and other departments, and enable them to adapt to the Company environment more quickly while reducing their confusion as green hands in the workplace.

The Company designs customized training programs for employees at different development stages and enhances their interest in active learning with various methods, including skill enhancement, diversified open courses for employees, and external communication and learning. Diversified employee training programs encourage employees to constantly challenge themselves, tap into their potential, and achieve win-win development for both individuals and the Company.



Sigenergy Organizes Offline Activity of "Sigenergy Grand Forum"

Case

In 2024, Sigenergy regularly organized "Sigenergy Grand Forum" training and sharing activities for all employees to enhance their knowledge, skills, and overall quality. This activity successfully helped employees broaden their knowledge horizons and promoted cross-departmental communication and learning.

As of the end of the Reporting Period, Sigenergy has held a total of 6 sessions of the "Sigenergy Grand Forum", with a total of over 390 participants.

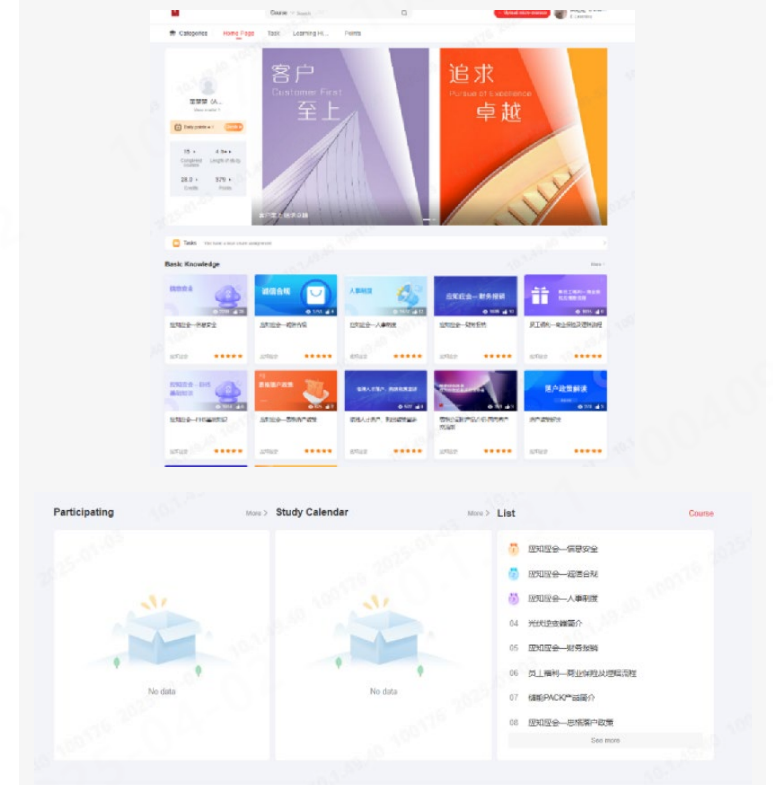


Offline Activity of "Sigenergy Grand Forum"

Sigenergy Sets up the "Sigenergy Cloud Classroom", an Online Learning Think Tank

Case

In 2024, fully utilizing the advantages of information technology, Sigenergy innovatively established the "Sigenergy Cloud Classroom", based on an advanced online learning platform. It provides employees with a more convenient and efficient learning tool and platform, allowing them to acquire the necessary knowledge and skills anytime and anywhere while meeting the training needs of employees at different levels and positions of the organization and promoting the Company's sustainable development and innovation.





Employee Care

Sigenergy attaches great importance to the happiness of its employees. It actively advocates for a harmonious balance between work and life and integrates deep care for employees in daily work by carefully planning and organizing diverse leisure activities to enrich the spiritual life of employees. In addition, we focus on listening to the voices of employees and seriously consider and adopt opinions and suggestions based on actual situations, further enhancing the close connection and cohesion between the Company and employees, and improving employees' sense of belonging.

Employee Communication

The Company has established diversified and efficient channels for employee communication, interaction, and making appeals. When employees encounter any form of discrimination, witness discriminatory behavior against others, or witness infringement of employee rights, we encourage them to immediately report it to their line managers or relevant administrative departments. We have set up an employee communication email: audit@sigenergy.com to collect suggestions for management improvement from employees and promise to respond or deal with it within three days.

We conduct regular employee satisfaction surveys every year to familiarize ourselves with the Company's employees, listening to their voices and understanding their actual demands.



Employee Welfare and Activities

Sigenergy strictly adheres to relevant regulations such as the *Measures for Holidays on National Festivals and Commemoration Days* and the *Regulations on Paid Annual Leave for Employees*, and seriously considers the actual needs of employees. It implements an effective and flexible work system. On top of the national statutory holidays, we provide additional benefits to help employees balance life and work. Meanwhile, to create a diverse and inclusive corporate value system, we also provide additional workplace care for female employees to enhance their overall welfare.

Statutory leaves	Statutory holidays, paid annual leave, sick leave, personal leave, marriage leave, bereavement leave, maternity leave, paternity leave, breastfeeding leave, parental leave, and work-related injury leave are all implemented in accordance with national policies.
Communication expenses	The Company provides communication subsidies for positions that involve much external communication due to the nature of work, upon the application of individuals and departments.
High-temperature subsidy	From June to September each year, the Company provides a high-temperature subsidy to field employees (or indoor positions for whom no effective measures are available to reduce indoor temperatures to below 33 degrees centigrade). The high-temperature subsidy is RMB 300 per month and is paid based on the actual attendance of employees in the current month.
Wedding and childbirth gifts	Congratulatory gifts are provided for all employees on important occasions such as weddings and childbirth, to show the Company's care and support.
Team building fund	The Company supports employees in carrying out various team activities and provides a certain amount of team building fees.
Benefits for female employees	The Company provides female employees with yoga classes that can enhance their physical flexibility and strength to alleviate anxiety and work stress. In 2024, the Company organized more than 30 yoga classes.
Club activities	Club activities such as football, badminton, or basketball matches are organized every week to provide an opportunity for employees to relax and enrich their leisure life. And the Company also allocates RMB 3,000 for prizes. In 2024, the club organized 42 basketball activities and 45 badminton activities.

Employee Welfare Initiatives

Sigenergy Carries out Family Day Activities

Case

In 2024, Sigenergy carried out Family Day activities, during which over 500 families were invited to participate in the activities. The diversified activities include communication with the management, exhibition hall visits, office area visits, parent-child games, team competitions, and leisure tea breaks. This activity not only allows employees' families to experience the positive cultural atmosphere of the Company but also allows them to witness the Company's achievements in business and team building, thereby enhancing their confidence and pride in the Company. Meanwhile, it also helps employees to gain more understanding and support from their families.

Sigenergy Organizes Club Activities for Employees

Case

Sigenergy is well aware of the significance of its employees' health and happiness for the development of the Company. Therefore, it attaches great importance to the leisure life and spiritual and cultural construction of employees. In 2024, the Company regularly organizes diversified weekly club activities such as football, basketball, badminton, dance, yoga, etc. to enhance team cohesion and provide employees with opportunities to get sufficient relaxation and entertainment in their spare time. To stimulate the enthusiasm of employees to participate in the activities, we organize regular competitions and set up prizes for them. These activities can also motivate employees to strive for excellence with an unyielding will and fighting spirit. Club activities not only enrich employees' leisure time but also promote communication and collaboration among employees, injecting new vitality into the construction and dissemination of the corporate culture.



A Group Photo after a Football Match

Sigenergy Organizes Birthday Parties for Employees

Case

In 2024, the Company's Administrative Department carefully planned monthly employee birthday parties and included a series of fun team games to create a relaxing and pleasant atmosphere, strengthen the bond among employees, and enhance the cohesion and centripetal force of the employees as a team. These games not only deepen mutual understanding among employees but also enhance their sense of identification and belonging to the Company. The carefully prepared birthday cake, cheerful music, and lively atmosphere showed the Company's respect and care for every employee.



Group Photos at Employees' Birthday Parties



Employee Health and Safety

Sigenergy has established a comprehensive employee health and safety management system, making every effort to ensure that employees can work and live in a safe and worry-free environment. In addition, we persistently promote occupational health and safety education and training programs among all employees, to continuously enhance their safety awareness and capabilities, thereby effectively reducing the negative impact of potential safety threats.

Health and Safety Management Systems

Sigenergy complies with applicable laws and regulations such as the *Work Safety Law of the People's Republic of China*, the *Fire Control Law of the People's Republic of China*, the *Law of the People's Republic of China on Prevention and Control of Occupational Diseases*, and the *Special Equipment Safety Law of the People's Republic of China*. It has released the *Notice on Establishing EHS Management Structure and Allocating EHS Managers* and established an EHS health and safety management framework consisting of the EHS Management Committee and the EHS Working Group to provide employees with a safe and stable working environment. As of the end of the Reporting Period, Sigenergy has not experienced any work-related injuries or fatalities.

During the Reporting Period, the Company has obtained ISO 45001 Occupational Health and Safety Management Systems Certification¹⁰.



Certificate of Occupational Health and Safety Management System Certification

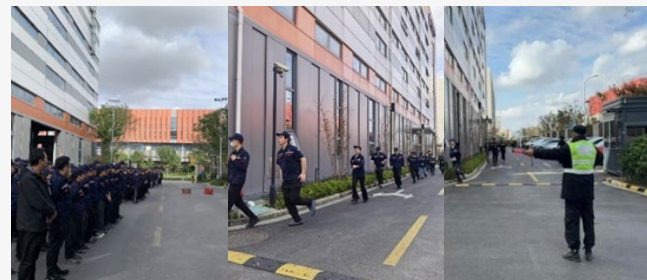
Health and Safety Management Measures

The Company regularly organizes comprehensive and systematic routine and special inspections, covering production equipment, operation of the operators, warehouses, etc. These inspections aim to identify potential safety risks. For identified safety issues, we send emails to relevant personnel, conduct a follow-up review, and encourage employees to propose suggestions for improvement. Meanwhile, the Company attaches importance to the physical health of its employees. It purchases commercial insurance for them and provides free annual physical examinations. In addition, the Company carries out safety training activities to enhance the safety awareness and emergency response capabilities of all staff, ensuring safe and orderly production.

Sigenergy Organizes Fire Drills

Case

In 2024, to enhance the fire safety awareness and emergency response capabilities of all employees, Sigenergy Pujiang Office Zone and Lingang Production Base carried out fire drills separately, in which they simulated fire emergency scenarios, including emergency evacuation, fire extinguishing, and emergency response process testing. They also carried out training on the use of fire-fighting facilities to raise employees' awareness of fire safety, laying a solid foundation for building a safer workplace.



Fire Evacuation Drill

Sigenergy Organizes Occupational Health Training

Case

In 2024, Sigenergy carried out occupational health training. The training covers knowledge related to occupational health, such as the identification of workplace hazards, proper use of labor protection equipment, and emergency response methods. Multiple online and offline methods have been used to enhance employees' awareness and capabilities to respond to health risks.



Occupational Health Training

¹⁰ It covers the Pujiang Office Zone and the Lingang Production Base.



Community Contribution

Sigenergy is actively engaged in public welfare initiatives. Based on its project-related technologies and its advantage of energy, Sigenergy lights up the dream of education for some Vietnamese children in the mountainous areas and makes a contribution to the Belt and Road Initiative with its actions to enhance the bond between the Chinese people and the Vietnamese people. In 2024, Sigenergy actively responded to national initiatives and fulfilled its social responsibility, which has brought it the "2024 Responsible Brand Award" at the 14th Philanthropy Festival and 2024 ESG Summit.

Sigenergy Lights up the Dream of Education for Some Vietnamese Children in the Mountainous Areas

Case



2024 Responsible Brand Award

Under the guidance of the Belt and Road Initiative, Sigenergy shows an increasingly positive image of actively fulfilling its social responsibilities in the international market. As a Chinese company committed to green energy innovation, we actively respond to national initiatives and adhere to the philosophy of "investing in industries and benefiting the local communities". We have installed integrated photovoltaic and energy storage products for Nóc ong Du Primary School in a remote area of Vietnam where electricity supply is scarce. We provide critical support for the construction of advanced photovoltaic systems. While continuously promoting the global adoption of green energy and providing clean and sustainable energy, we are also improving the learning environment for students beyond the regions covered by our businesses.



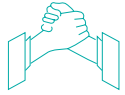
Governing with Compliance, Partnering with Accountability

Sigenergy firmly believes that excellent governance is the cornerstone of sustainable growth. We are committed to stable growth, compliance with laws, continuously optimizing our governance framework, strengthening risk identification and control, and building a solid business ethics system to create a healthy and clean atmosphere, promoting the Company's long-term sustainable development.

- Corporate Governance
- Risk Management
- Business Ethics
- Information Security



05



Corporate Governance

Our company strictly adheres to the *Company Law of the People's Republic of China* and other laws and regulations of the business location, continuously optimizing internal management systems, and enhancing corporate governance levels to seek long-term stable development.

Board Composition

Sigenergy continuously improves its corporate governance structure, with the Audit Committee, the Remuneration Committee, and the Nomination Committee under the Board of Directors, each with clear responsibilities, enhancing the scientific nature and transparency of decision-making.

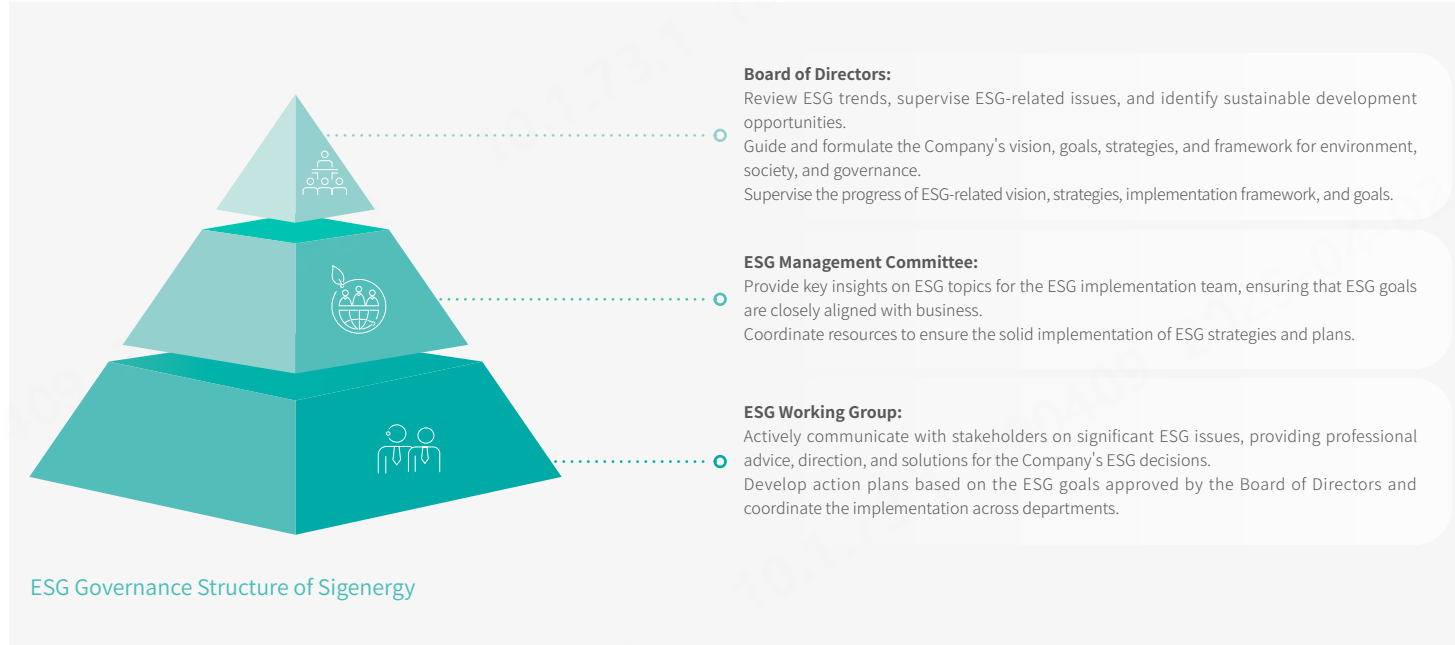
Meanwhile, we are committed to forming a professional and diverse Board of Directors and have established a Board diversity policy. In selecting Board members, we consider candidates' gender, age, profession, and educational background to achieve our diversity goals. The Company ensures that the Board is endowed with diverse perspectives, promotes good complementarity among Board members, and enhances the Board's scientific decision-making capabilities.

Currently, our Board consists of eight directors, including two executive directors, three non-executive directors, and three independent non-executive directors, with three female directors, accounting for 37.5%.

ESG Governance

Sigenergy has established a robust ESG governance framework, fully integrating ESG principles into our operations to ensure long-term sustainable development. We have built a top-down three-tier ESG governance structure, with the Board of Directors bearing ultimate responsibility for ESG matters, providing strategic oversight, and setting our ESG vision and goals. The Audit Committee ensures compliance with corporate strategy by overseeing the implementation of ESG policies and monitoring overall performance, thereby supporting the Board.

To implement this strategy, we have established an ESG Management Committee composed of members of the management team. This committee is responsible for formulating ESG strategies, assessing performance, and promoting initiatives aligned with business objectives. The ESG Working Group is responsible for supporting the ESG Management Committee, which manages the daily execution of ESG activities, including data disclosure, employee training, and regulatory compliance. The working group ensures the effective operation of ESG initiatives and compliance with evolving standards. Meanwhile, we are internally planning to further improve the systems and mechanisms related to ESG management.



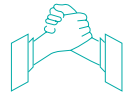
During the Reporting Period, we conducted a substantial topic benchmarking analysis against several outstanding peers, and based on the benchmarking results, we identified the material issues for Sigenergy.

Category	Issue
Social Issues	Product Quality Management
	R&D and Innovation
	Employee Rights and Interests Protection
	Occupational Health and Safety
	Sustainable Supply Chain
	Intellectual Property Protection
	Customer Service

Category	Issue
Social Issues	Industry Co-construction
	Community Contribution
Environmental Issues	Energy Management
	Resource Management
	Clean Energy Usage
	Addressing Climate Change

Category	Issue
Governance Issues	Corporate Governance
	Risk Management
	Business Ethics
	Information Security and Privacy Protection

Material ESG Issues of Sigenergy



Risk Management

Sigenergy always regards compliance operation as a core cornerstone. We have established a sound risk management system, strict internal control mechanism, and strict compliance management system to ensure that every business decision and action complies with laws and regulations and achieves timely risk control.

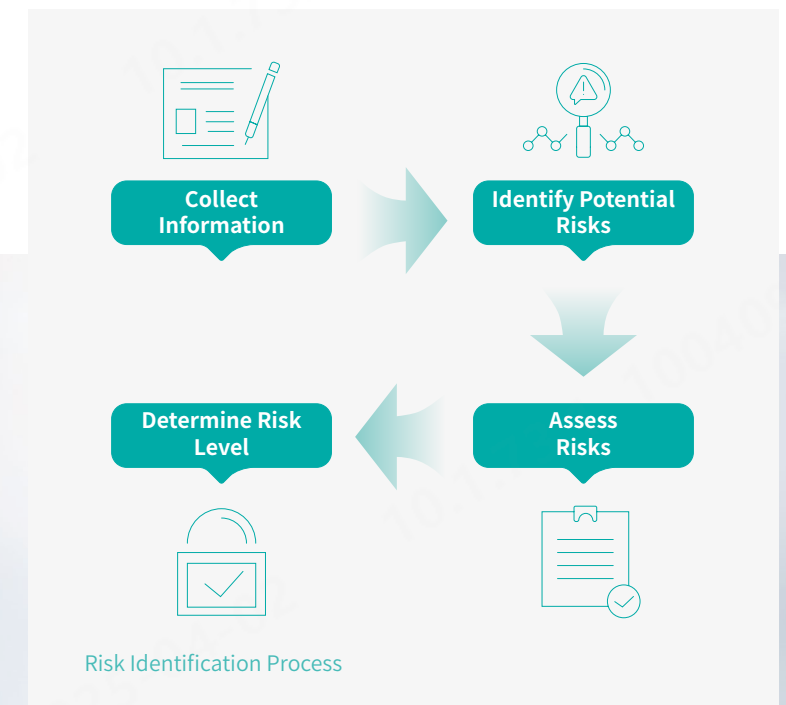
Risk Management System

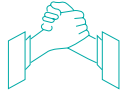
Our company continuously strengthens the risk management system, solidifying the foundation for risk prevention and control from the institutional and structural levels. The Company has established internal regulations related to risk management, such as the *Internal Audit Management System of Sigenergy* and the *Comprehensive Risk Management Measures of Sigenergy*, which clarify the entire process norms for risk identification, assessment, monitoring, and response. Meanwhile, a comprehensive risk management framework has been established, including multiple levels such as the Board of Directors, Supervisory Board, and Audit Committee, to ensure that all departments and employees develop risk prevention awareness and promote the Company's stable operation.

Sigenergy has also set up three lines of defense for risk management, each with its own responsibilities and collaborative operations: the business department serves as the first line of defense, responsible for front-end identification and verification of partners. The Legal Department serves as the second line of defense, focusing on interpreting regulations and improving related systems. The Audit Department acts as the third line of defense, carrying out audit supervision work. To ensure efficient communication and collaboration, each department has appointed a liaison officer to further ensure that potential risks within the Company are managed promptly.

Risk Assessment and Prevention

We continue to improve risk identification methods and continuously enhance our risk assessment management capabilities and levels. The Company has established a comprehensive and sound risk identification management process and conducts a full risk assessment annually that covers potential risks in operations, management, and reputation, among others. Meanwhile, the Company conducts in-depth investigations of internal potential risks through a combination of internal audits, annual reviews, and inspections by third parties and supervisory agencies, ensuring that risks are identified promptly and effectively managed.





Business Ethics

Sigenergy places great importance on anti-corruption and the construction of a clean culture, committed to creating an atmosphere of integrity and honesty within the Company. We adopt a zero-tolerance attitude towards corruption and violations of business ethics. Meanwhile, the Company is dedicated to maintaining the purity of financial order and the fairness of market competition, actively engaging in anti-money laundering and anti-unfair competition efforts. By establishing strict regulations and promoting a culture of business ethics, we aim to instill a sense of integrity and anti-corruption awareness among all employees.

Business Ethics Management System

Sigenergy strictly abides by the *Anti-Unfair Competition Law of the People's Republic of China*, the *Anti-Money Laundering Law of the People's Republic of China*, the *Audit Law of the People's Republic of China*, the *Anti-Monopoly Law of the People's Republic of China* and other relevant laws and regulations, and formulates and updates the *Global Professional Code of Conduct* and the *Regulations on Anti-corruption and Anti-fraud*, the *Regulations on the Internal Control Red Line in the Company*, and the *Code of Business Conduct* to define the commercial ethics management framework and regulate employee behavior.

Protection of Trade Secrets

Sigenergy actively carries out the protection and management of trade secrets and formulates internal systems such as the *Sigenergy Trade Secret Management Regulations*. During the Reporting Period, Sigenergy obtained the Corporate Trade Secret Asset Management Compliance Certificate from the Shanghai Technology Exchange. Meanwhile, we actively take diverse measures to protect our trade secrets and prevent the leakage of confidential information and potential unfair competition risks.

As of the end of the Reporting Period

Sigenergy

had no violations

related to trade secrets



Corporate Trade Secret Asset
Management Compliance Certificate

Physical Security Measures

The Company has implemented necessary physical protection measures in areas such as office spaces and production workshops, including access control systems, surveillance equipment, and confidential document cabinets, to prevent unauthorized personnel from accessing trade secrets.



Technical Protection Measures

The Company uses technological means to protect trade secrets, such as data encryption, access control, and anti-leakage software, to ensure the security of trade secrets during storage, transmission, and use.



Process Control

The Company has established strict process controls in the generation, use, circulation, and external disclosure of trade secrets, such as the approval, transmission, and archiving processes for confidential documents, as well as confidentiality review processes during external cooperation, to prevent the leakage of trade secrets in the process.



Trade Secret Protection Measures

Anti-Money Laundering

Sigenergy has established an *Anti-Money Laundering Management System* internally, aiming to create a comprehensive and rigorous anti-money laundering prevention and control system. The Company requires all departments to adhere to the core principle of "risk-oriented" and integrate anti-money laundering efforts into daily operations. As of the end of the Reporting Period, Sigenergy has not been involved in any money laundering-related violations.

Anti-Corruption

Sigenergy has formulated internal *Regulations on Anti-corruption and Anti-fraud* to attach great importance to the construction of anti-corruption and honest culture. Internally, Sigenergy conducts anti-corruption training for all new employees and key position staff and holds online training on "Integrity and Compliance" quarterly. By the end of the Reporting Period, a total of 462 people had participated in the training, and all key positions had signed the *Regulations on the Internal Control Red Line*. Externally, Sigenergy actively conveys the concept of integrity and anti-corruption to its partners, with 100% of all important materials and production suppliers signing integrity agreements.

As of the end of the Reporting Period, the Company had no litigation related to corruption, bribery, discrimination, money laundering, or unfair competition.

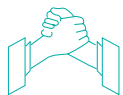
Reporting Channels

Sigenergy maintains a speak-up culture that empowers employees to report any violations of human rights, breaches of business ethics, or illegal activities that harm the collective interests of the Company, to timely identify and resolve potential issues. The Company has established a transparent and open reporting channel for business ethics and continuously improves the reporting acceptance process to ensure that the reporting process is standardized and efficient, with a strict supervision mechanism to ensure integrity and compliance.

Whistleblower Protection

Sigenergy places a high priority on the protection of whistleblower privacy. We established a comprehensive whistleblower protection mechanism to ensure that reporting information is received and recorded by designated personnel and implemented strict anonymity measures to prevent the disclosure and dissemination of the whistleblower's identity and reporting content. The Company firmly prohibits and severely punishes any acts of retaliation against whistleblowers, ensuring that whistleblowers will not suffer any unfair treatment as a result of their reporting. In addition, the Company has established a whistleblower reward mechanism, whereby whistleblowers whose reports are verified and who help recover company losses through their reports will receive corresponding rewards after discussion and decision by the Company's management.





Information Security

Sigenergy places great importance on information security, viewing it as a key aspect of the Company's legal and compliant operations. To this end, the Company has established a comprehensive, efficient, and dynamic information security protection system, dedicated to protecting user privacy and rights and building a solid defense line for corporate information security.

Information Security and Privacy Protection Management

Sigenergy strictly complies with relevant laws and regulations such as the *National Security Law of the People's Republic of China*, the *Cybersecurity Law of the People's Republic of China*, 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 *Law of the People's Republic of China on Guarding State Secrets*, and has formulated internal management systems such as the *Information Security Risk Management Procedures* to ensure strict protection of internal information security. Sigenergy continuously improves its information security management system and has obtained ISO 27001 certification for its information security management system, covering the Pujiang office area and the Lingang production base. As of the end of the Reporting Period, Sigenergy had no incidents of information security or privacy breaches.

For both internal and external information, Sigenergy employs technical measures to protect information security, implementing multiple initiatives in parallel to enhance information security management and ensure effective execution.

Build a secure communication environment for suppliers



- Utilize technical means to monitor and block information leakage risks, and implement strict control over the entire process of information security incidents.
- Conduct a comprehensive information security assessment of suppliers.

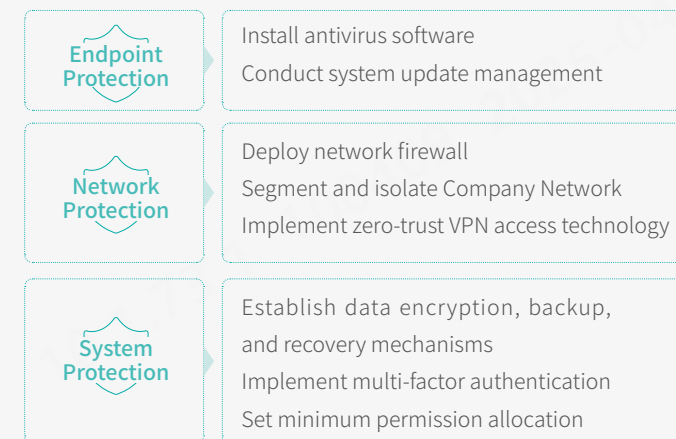
Encrypt the internal information communication environment



- Ensure the operation of the overall information security system and implement strict data security control measures and detailed log auditing processes.
- Ensure the confidentiality and integrity of information, with sensitive files stored in encrypted form.
- Establish a strict decryption process for external transmission of files.
- Achieve full traceability in the creation, storage, and transmission of files.

Information Security-related Measures

Meanwhile, we carry out information security protection through a combination of software and hardware configurations to effectively prevent information security incidents.



Software and Hardware Configuration

Information Security Training

To enhance employees' awareness of information security, we adopt a combination of online and offline training methods, regularly communicating the Company's information security policies and requirements to employees. All new employees must participate in information security training and pass an information security exam to verify the training results. In addition, we design information security knowledge into posters, which are displayed in the office area to continuously reinforce employees' awareness of information security through visual means. Meanwhile, we regularly hold activities such as cybersecurity knowledge competitions to stimulate employees' enthusiasm for learning about cybersecurity and improve their ability to identify and respond to information security incidents.

Appendix 1 GRI Content Index


Disclosure items	Disclosure issues	Corresponding sections
<i>Universal Standards</i>		
<i>The organization and its reporting practices</i>		
2-1	Organizational details	About Sigenergy
2-2	Entities included in the organization's sustainability reporting	About the Report
2-3	Reporting period, frequency, and contact point	About the Report
2-5	External assurance	Appendix 2 Assurance Statement
2-6	Activities, value chain, and other business relationships	About Sigenergy
<i>Activities and workers</i>		
2-7	Employees	Caring about Employees, Facilitating Community Integration: Compliant Employment
<i>Governance</i>		
2-9	Governance structure and composition	Governing with Compliance, Partnering with Accountability: Corporate Governance
2-12	Role of the highest governance body in overseeing the management of impacts	Governing with Compliance, Partnering with Accountability: Corporate Governance
2-14	Role of the highest governance body in sustainability reporting	Governing with Compliance, Partnering with Accountability: Corporate Governance
<i>Strategy, policies, and practices</i>		
2-27	Compliance with laws and regulations	Governing with Compliance, Partnering with Accountability: Corporate Governance
2-28	Membership associations	Seeking Synergistic Development, Achieving Mutual Success
<i>GRI 3: Material Topics 2021</i>		
3-1	Process to determine material topics	Governing with Compliance, Partnering with Accountability: Corporate Governance


Disclosure items	Disclosure issues	Corresponding sections
3-2	List of material topics	Governing with Compliance, Partnering with Accountability: Corporate Governance
3-3	Management of material topics	Governing with Compliance, Partnering with Accountability: Corporate Governance
<i>Topic Standards</i>		
<i>GRI 201: Economic Performance</i>		
201-2	Financial implications and other risks and opportunities due to climate change	Embracing Solar Energy, Securing a Greener Future: Addressing Climate Change
201-3	Defined benefit plan obligations and other retirement plans	Caring about Employees, Facilitating Community Integration: Employee Care
<i>GRI 205: Anti-corruption 2016</i>		
205-2	Communication and training about anti-corruption policies and procedures	Seeking Synergistic Development, Achieving Mutual Success: Supplier Management
205-3	Confirmed incidents of corruption and actions taken	Governing with Compliance, Partnering with Accountability: Business Ethics
<i>GRI 302: Energy</i>		
302-1	Energy consumption within the organization	Embracing Solar Energy, Securing a Greener Future: Fulfilling Green Operations
<i>GRI 303: Water and Effluents 2018</i>		
303-1	Water withdrawal by source	Embracing Solar Energy, Securing a Greener Future: Fulfilling Green Operations
303-2	Water sources significantly affected by the withdrawal of water	Embracing Solar Energy, Securing a Greener Future: Fulfilling Green Operations
303-3	Water recycled and reused	Embracing Solar Energy, Securing a Greener Future: Fulfilling Green Operations
<i>GRI 305: Emissions 2016</i>		
305-1	Direct (Scope 1) GHG emissions	Embracing Solar Energy, Securing a Greener Future: Addressing Climate Change
305-2	Energy indirect (Scope 2) GHG emissions	Embracing Solar Energy, Securing a Greener Future: Addressing Climate Change

Disclosure items	Disclosure issues	Corresponding sections
305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions.	Embracing Solar Energy, Securing a Greener Future: Addressing Climate Change
GRI 306: Waste 2020		
306-1	Waste generation and significant waste-related impacts	Embracing Solar Energy, Securing a Greener Future: Fulfilling Green Operations
306-2	Management of significant waste-related impacts	Embracing Solar Energy, Securing a Greener Future: Fulfilling Green Operations
306-3	Waste generated	Embracing Solar Energy, Securing a Greener Future: Fulfilling Green Operations
GRI 401: Employment 2016		
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Caring about Employees, Facilitating Community Integration: Employee Care
GRI 3: Occupational Health and Safety 2018		
403-1	Occupational health and safety management system	Caring about Employees, Facilitating Community Integration: Employee Health and Safety
403-2	Hazard identification, risk assessment, and incident investigation	Caring about Employees, Facilitating Community Integration: Employee Health and Safety
403-5	Worker training on occupational health and safety	Caring about Employees, Facilitating Community Integration: Employee Health and Safety
403-6	Promotion of worker health	Caring about Employees, Facilitating Community Integration: Employee Health and Safety
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Caring about Employees, Facilitating Community Integration: Employee Health and Safety
403-8	Workers covered by an occupational health and safety management system	Caring about Employees, Facilitating Community Integration: Employee Health and Safety
403-9	Work-related injuries	Caring about Employees, Facilitating Community Integration: Employee Health and Safety
GRI 404: Training and Education 2016		
404-1	Average hours of training per year per employee	Caring about Employees, Facilitating Community Integration: Talent Development
404-2	Programs for upgrading employee skills and transition assistance programs	Caring about Employees, Facilitating Community Integration: Talent Development

Disclosure items	Disclosure issues	Corresponding sections
404-3	Percentage of employees receiving regular performance and career development reviews	Caring about Employees, Facilitating Community Integration: Talent Development
GRI 4055: Diversity and Equal Opportunity 2016		
405-1	Diversity of governance bodies and employee	Caring about Employees, Facilitating Community Integration: Compliant Employment
GRI 406: Non-discrimination 2016		
406-1	Incidents of discrimination and corrective actions taken	Caring about Employees, Facilitating Community Integration: Compliant Employment
GRI 4133: Local Communities 2016		
413-1	Operations with local community engagement, impact assessments, and development programs	Caring about Employees, Facilitating Community Integration: Community Contribution
GRI 416: Customer Health and Safety 2016		
416-1	Assessment of the health and safety impacts of product and service categories	/
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	/
GRI 417: Marketing and Labeling 2016		
417-3	Incidents of non-compliance concerning marketing communications	Excel in Quality, Putting Service First
GRI 418: Customer Privacy 2016		
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	Governing with Compliance, Partnering with Accountability: Corporate Governance: Information Security

Appendix 2 Assurance Statement





ASSURANCE STATEMENT
CN25/00001834

SGS-CSTC 'S REPORT ON SUSTAINABILITY ACTIVITIES IN THE SIGENERGY TECHNOLOGY ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT FOR 2024

NATURE OF THE ASSURANCE/VERIFICATION
SGS-CSTC STANDARDS TECHNICAL SERVICES CO., LTD. (hereinafter referred to as SGS) was commissioned by Sigenergy Technology Co., Ltd. (hereinafter referred to as Sigenergy Technology) to conduct an independent assurance of the Chinese version of *Sigenergy technology Environmental, Social and Governance (ESG) Report for 2024* (hereinafter referred to as the Report).

INTENDED USERS OF THIS ASSURANCE STATEMENT
This Assurance Statement is provided with the intention of informing all Sigenergy Technology's Stakeholders.

RESPONSIBILITIES
The information in the Report and its presentation are the responsibility of the board and the management of Sigenergy Technology. SGS has not been involved in the preparation of any of the material included in the Report.

Our responsibility is to express an opinion on the text, data, graphs and statements within the scope of assurance with the intention to inform all Sigenergy Technology Co., Ltd.'s stakeholders.

SGS hereby states that it shall not be held responsible or liable for any direct, indirect, incidental, or consequential damages or losses arising from or in connection with the use of information provided in this report.

ASSURANCE STANDARDS, TYPE AND LEVEL OF ASSURANCE
The SGS ESG & Sustainability Report Assurance (SRA) protocols used to conduct assurance are based upon internationally recognised assurance standards including the AA1000 series of standards and ISAE3000.

The assurance of this report has been conducted according to the following Assurance Standards:

Assurance Standard Options	Level of Assurance
AA1000AS v3 Type 2	Moderate

SCOPE OF ASSURANCE AND REPORTING CRITERIA
The assurance engagement was conducted to evaluate the accuracy and reliability of the sustainability performance information included in the Report. Additionally, it assessed the extent to which the Report's content refers to the requirements of *GRI Standards 2021*.

ASSURANCE METHODOLOGY
The assurance comprised a combination of pre-assurance research, interviews with relevant employees located at Sigenergy Technology Co., Ltd.'s Headquarters, 9th, 10th, 11th Floor, Building 18, No. 2388, Chenxing Road, Minhang District, Shanghai, China; documentation and record review and validation where relevant.

LIMITATIONS AND MITIGATION
Data drawn directly from independently audited financial accounts has not been checked back to source as part of this assurance process.
The greenhouse gas emissions related data in the Report has not undergone verification by an independent third-party auditor. In the context of the present assurance engagement, our procedures were limited to sample-based validation.



This assurance engagement was restricted to the group level of Sigenergy Technology Co., Ltd. and did not include traceability of original data from all subordinate institutions.

STATEMENT OF INDEPENDENCE AND COMPETENCE
The SGS Group of companies is the world leader in inspection, testing and certification, operating in multiple countries and providing services. SGS affirm our independence from Sigenergy Technology Co., Ltd., being free from bias and conflicts of interest with the organisation, its subsidiaries and stakeholders.

The assurance team was assembled based on their knowledge, experience and qualifications for this assignment.

FINDINGS AND CONCLUSIONS

ASSURANCE/VERIFICATION OPINION
On the basis of the methodology described and the assurance engagement performed, the specified performance information included in the scope of assurance is accurate, reliable, and has been fairly stated.

CONCLUSIONS, FINDINGS AND RECOMMENDATIONS BASED ON GRI STANDARDS 2021

The assurance team concludes that the Report has referred to the requirements of *GRI Standards 2021*.

FINDINGS AND RECOMMENDATIONS
All observations pertaining to commendable practices, sustainable development activities, and managerial recommendations identified throughout the assurance process have been thoroughly documented in the *Internal Management Report on Sustainability Reporting Assurance*. This report has been officially presented to the relevant management divisions of Sigenergy Technology Co., Ltd. to serve as a reference for their ongoing efforts towards continuous improvement.

Signed:



For and on behalf of SGS-CSTC

David Xin
Sr. Director – Business Assurance
16/F Century Yuhui Mansion, No. 73, Fucheng Road, Beijing, P.R. China

Mar. 25th, 2025
WWW.SGS.COM



Reader Feedback Form

Dear Reader,

Thank you very much for taking the time to read the *2024 Environmental, Social and Governance (ESG) Report of Sigenergy Technology Co., Ltd.* We sincerely hope you can provide feedback and suggestions on the Report and our work. Your feedback and suggestions serve as an important basis for us to continuously promote sustainable development management and practices.

We look forward to your response!

Selective Questions (Please check the appropriate box)

1. Which category of stakeholders does your workplace belong to in relation to Sigenergy:

- Shareholder Employee Supplier
Customer Government Community
Academic Institution Other (please specify)

2. Is the information you are concerned about reflected in the Report?

- Yes Average No

3. Your overall evaluation of the *2024 Environmental, Social and Governance (ESG) Report of Sigenergy Technology Co., Ltd.:*

Readability (The expression is easy to understand, the design is attractive, and it is easy to find the information you need)

- Yes Average No

Credibility (The information in the Report is true and reliable)

- Yes Average No

Information Completeness (Both positive and negative aspects are considered, and it meets your information needs)

- Yes Average No

4. Were you able to easily find the information you were concerned about in the Report?

- Yes Average No

5. Do you expect to see a printed or electronic version of the Report in the future?

- Printed version Electronic version

6. Please feel free to provide any other comments or suggestions regarding the *2024 Environmental, Social and Governance (ESG) Report of Sigenergy Technology Co., Ltd.*



SIGENERGY