Zhejiang CHINT SmartPower Services Co., Ltd.

Address: No.1335, Binan Road, Binjiang District, Hangzhou, Zhejiang Province, China

Zip. 310057

Tel. 400-0571-277

Web. https://power.chint.com

Email: power.services@Astronergy.com

WeChat Official Profile

WeChat Video Channel

2024 ESG REPORT

CHINT SMARTPOWER SERVICES CO., LTD.

CONTENTS

About the Report

Report Statement

The Report marks the first Environmental, Social, and Governance (ESG) report released by Zhejiang CHINT SmartPower Services Co., Ltd. (hereinafter referred to as "CHINT Smartpower Services", "CHINT O&M", "the Company" or "We"). The Report is released regularly on an annual basis to disclose the performance of CHINT Smartpower in corporate governance, innovative development, environmental protection, talent cultivation, and social contribution. Subject to objective conditions, in case of any omissions in the Report, we will continue to make improvement in future disclosures.

Reporting Specification

The Report is prepared mainly based on the Guidelines No. 14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies - Sustainability Report (Trial) (hereinafter referred to as the "SSE Sustainability Report Guidelines"), the GRI Sustainability Reporting Standards (hereinafter referred to as "GRI Standards") issued by the Global Sustainability Standards Board (GSSB), and relevant indicators of the Guidelines for Sustainability Reports of Chinese Enterprises (hereinafter referred to as "CASS-ESG 6.0") issued by the China Enterprise Reform and Development Society and CSR Cloud.

Reporting Timeframe and Scope

The Report covers from January 1, 2024, to December 31, 2024. Some data, considering the principles of continuity and comparability, may extend beyond the timeframe.
The organizational scope of the Report involves Zhejiang CHINT SmartPower Services Co., Ltd. and its significant subsidiaries, namely:

·ZHEJIANG RUINENG ELECTRIC POWER TESTING CO., LTD.
·CHINT SMARTPOWER SERVICES (SINGAPORE) PTE. LTD.
·CHINT SMARTPOWER SERVICES(BANGLADESH).CO. LTD.
·CHINT SMARTPOWER (NETHERLANDS) B.V.
·RENEWABLE ENERGY MANAGEMENT PTY LTD
·CHINT SMARTPOWER SERVICES LLC

Any inconsistency in specific data, if any, will be noted in the main text.

Data Sources and Reliability Assurance

Economic performance data in the Report are excerpted from the audited financial statements, while other data are derived from internal corporate data, survey and interview records, and other relevant documents. Unless otherwise specified, all monetary amounts and currencies mentioned in the Report are in Renminbi (RMB). The Report marks the first ESG report of CHINT O&M, and therefore, no information restatement is required.

Review and Approval

The Report is reviewed by the management and approved by the Board of Directors.

The Board of Directors hereby commits that the Report contains no false or misleading information, and it will take full responsibility for the authenticity, accuracy, and completeness of the Report.

Report Release and Access

The Report is annually released in electronic form, and can be downloaded from the official website (https://power.chint.com).

Contact Information

We look forward to receiving your feedback on the Report.
Please feel free to contact us through the following means.

Email: power.services@Astronergy.com

Mailing Address: No.1335, Binan Road, Binjiang District, Hangzhou, Zhejiang Province, China

Message from the Chairman

Dear partners and friends,

The year 2024 marks the 75th anniversary of the founding of the People's Republic of China, a crucial year for achieving the goals and tasks of the 14th Five-Year Plan, and also a pivotal milestone for celebrating the 40th anniversary of CHINT Group. A picture of future industrial development characterized by greenification, digitalization, and intelligentization is now within sight. Drawing on CHINT Group's extensive experience in green development and guided by the Group's ESG strategies, we are committed to building a green foundation and advancing towards a greener future. Here, we present our first ESG report to the public and sincerely invite all stakeholders to offer their valuable opinions and suggestions.

As a green energy asset management service provider, we are well aware that ESG is not merely an embellishment for CHINT O&M, but rather the solid cornerstone for our long-term development. Every photovoltaic power station and every wind farm reveals our concrete action in addressing climate change. We actively respond to national sustainability strategy and move forward to make energy safer, more value-added, and more efficient.

Serving the society and promoting green development through intelligence. Driven by innovation and guided by the concept of sustainability, we continuously expand our business layout in the new energy sector to provide customers with comprehensive operation and maintenance services across all regions, types, and voltage levels. Based on our dual business model and dual platform empowerment, we offer full lifecycle intelligent operation and maintenance services for new energy stations. By leveraging new technologies such as digitalization, cloud computing, and artificial intelligence (AI), we transform traditional, outmoded, and damaged power stations into modern intelligent stations. We provide efficient, transparent, and responsible green energy asset management services to help our customers achieve continuous and efficient appreciation of their green assets. We actively connect the "green power generation end" with the "green power consumption end" to engage in green power transactions, contributing to the optimization and upgrading of global energy structure and jointly building a green, low-carbon, and sustainable future.

Placing people at the core and providing employees with trainings. We are well aware that employees are the most valuable asset of an enterprise. Only by integrating the growth of employees with the development of the enterprise can win-win results be achieved. To this end, we provide a broad platform for the growth of our employees. Through a variety of trainings and development programs, we help employees enhance their professional skills, enrich their career development opportunities, and encourage every employee to exercise creativity and initiative in respective positions.

Delivering green services and empowering ecology. The concept of "Gorgeous PV" proposed by CHINT O&M redefines "PV+" by integrating economic, social, and environmental benefits into a unified and collaborative development framework, achieving enhanced ecology, increased income for farmers, and improved social efficiency. CHINT O&M is committed to exploring and creating a sustainability model for new energy projects that are "highly efficient, fast-cycling, and strongly-driven", and is deeply advancing comprehensive strategic cooperation with central and local state-owned enterprises. Through the operation of projects such as agrivoltaics, photovoltaics on sandy land, and photovoltaic-aquaculture, we indirectly boost local economic development and promote the integrated development of new energy with modern agriculture and rural revitalization, achieving comprehensive benefits through optimized ecology.

Pursuing efficient governance and insisting on transparent operations. We firmly believe that sound corporate governance can provide a strong safeguard for the sustainability of an enterprise. Strictly following national policies and regulations, we have established comprehensive quality control and safety assurance systems in every link of our operation and maintenance services. We maintain close and fair cooperation with upstream and downstream enterprises to jointly build a healthy and sustainable green energy industry chain. CHINT O&M constantly improves its ESG governance structure, makes plans on ESG strategies, and gradually strengthens ESG governance. Meanwhile, we actively communicate with all stakeholders, absorb their opinions and suggestions, and continuously improve our ESG governance structure and management processes.

Looking into the future, we will continue to deliver green energy services with a professional and enthusiastic attitude. We will closely follow national policies, increase investment in technological research and development, and further enhance our service levels. We will actively explore intelligent operation and maintenance technologies and intelligent management systems to make more flexible and efficient use of green energy, contributing to the construction of a more resilient energy system. Always focusing on environmental improvement and social development needs, we will actively participate in public welfare activities, gather more strength to protect our planet, and meet the challenges of climate change. Driven by innovation, all employees of CHINT O&M will work together towards a green and sustainable future, and strive for the vigorous development of the global new energy industry and the continuous improvement of the ecological environment.

JIN Jianbo, Chairman

About CHINT Smartpower Services

Company Profile

Zhejiang CHINT SmartPower Services Co., Ltd. (hereinafter referred to "CHINT Smartpower Services"), a subsidiary of the CHINT Group, is a green energy asset management service provider focusing on third-party power operation and maintenance. Leveraging over a decade of CHINT Group's experience in new energy investment, construction, and operation, the footprints of CHINT O&M extend to 30 provincial-level administrative units across China and reach all five continents in the world. The average equivalent utilization hours of the power stations we maintain exceed the national photovoltaic production and operation indicators by 3% to 5%. Moreover, we have secured the Grade II certificate for general contracting of power projects and have been certified as a national high-tech enterprise by the Ministry of Science and Technology of China. As of the end of the reporting period, CHINT O&M has maintained over 1,000 power stations, with a market capacity exceeding 24 GW and an annual power generation of 16.2 billion kWh from the maintained stations.

By exploring technological solutions, CHINT O&M is committed to building unattended substations to ensure customers' investment returns. CHINT O&M Cloud Platform, which owns independent software copyright, adopts cloud computing and big data analysis technologies to achieve intelligent data collection of power stations, intelligent fault alarming, automatic creation and assignment of defects, intelligent inspection, and intelligent trend analysis. The Company provides all-round digital and refined management of power stations and explores their production potential more efficiently. In terms of power station inspection and component cleaning, CHINT O&M has also developed alternative intelligent solutions, such as the intelligent infrared UAV inspection system and intelligent cleaning robots, which greatly improve the operation efficiency of power stations.

In active response to the demands of the new power market, CHINT O&M creates integrated application solutions of "intelligent operation and maintenance + energy storage" and intelligent comprehensive energy service systems. The Company has obtained a number of invention patents, utility model patents, and software copyrights in the fields of power-to-hydrogen coupling energy supply systems, photovoltaic hydrogen production, energy storage systems and control, photovoltaic power prediction, and microgrid hybrid integer programming. Not only that, the Company has developed emerging technical solutions such as "photovoltaic storage and charging carports", "AC/DC coupling", "integrated source-grid-load-storage microgrids", "energy and carbon management platforms" and "intelligent comprehensive energy operation and maintenance", providing strong technical support for the development of the new energy industry.

Key Performance

24GW+
Global total operation and maintenance capacity[1]

1000+
Number of power stations operated and maintained

3%~5%[2]
Statistical indicators of photovoltaic production and operation higher than national average indicators by

30
Operation and maintenance scope provincial-level administrative units across China and **all five continents** in the world

4726.72kt
Cumulatively reduced waste emissions

11698.64kt
Cumulatively reduced greenhouse gas emissions

354.50kt
Cumulatively reduced sulfur dioxide emissions

177.25kt
Cumulatively reduced nitrogen oxide emissions

*1: The statistical data is current as of December 2024.
*2: Data sources from China Electricity Council.

Dual Business Model+Dual Platform Empowerment

Corporate Positioning
Committed to becoming a globalleading smart energy solutions provider

Corporate Vision
Empower energy safer, moreefficient and more value-added

PV operation and maintenance
Wind power operation and maintenance
Energy storage operation and maintenanc
Deep peak shaving

Technological Operation and Maintenance

Intelligent PV control platform
Electricity trading interaction platform
Internal operation and maintenance empowemnent
Product marketization

Intelligent Operation and Maintenance Cloud Platform

Preventive Trial
Technological transformation of power stations
Comprehensive energy
Power station inspection

Emerging Business

Spare parts express delivery
Rapid electrician
Brand settlement
Resources sharing

Business Cloud Win Platform

Technology Leadership and Value-driven
Safeguarding customer assets

Consistent Services and Safe Operations
Guaranteeing delivery capacity

Milestones

2009

Business startup

CHINT Smartpower's journey in operation and maintenance began with one of China's first large-scale photovoltaic projects, the "CHINT Smartpower Ningxia Shizuishan 10MW Photovoltaic Power Station". This marked the start of our exploration, learning, and development of operation and maintenance technologies and standards for new energy power stations.

2017

Brand setup

CHINT O&M was officially established as a professional green energy operation and maintenance service brand. Focusing on two major markets: technological operation and maintenance of power stations, and integrated energy services for parks, the Company has set sail into entrusted operation and maintenance market, working with customers to make new energy assets safer and more efficient. It has gradually established GW-level cooperation with central state-owned enterprises such as China Three Gorges Corporation, China Huaneng Group, and Zhejiang New Energy.

2018

Independent research and development

The intelligent operation and maintenance cloud platform independently developed by CHINT O&M has officially passed the national computer software patent certification. By utilizing technical means such as cloud computing and big data, the platform has propelled the management of on-site operation and maintenance into a new stage.

2020

Business expansion and global presence

Starting from photovoltaics, CHINT O&M has expanded into new fields such as wind power, energy storage, and cogeneration. It has successively launched new businesses including testing, preventive trial, technological transformation, cloud platforms, and business platforms, creating comprehensive and full-cycle energy asset service solutions. To serve the global green development prospects and the carbon neutrality goal, CHINT O&M has established overseas branches in the Netherlands and Singapore, with its operation and maintenance business laid out across the global market.

2021

Capacity milestone

As an industry-leading brand, CHINT O&M has ushered in a new era of 10GW-level operation and maintenance enterprise capacity.

2022

GW-level project deployment

CHINT O&M has achieved large-base project cooperation with customers such as Huaneng Group Lancang River and China Southern Power Grid, expanding its green energy portfolio.

2023

Innovation leadership

CHINT O&M has successively been honored with titles such as National Science and Technology-based Small and Medium-sized Enterprise and Hangzhou High-tech Zone (Binjiang) Gazelle Enterprise. It has strengthened the development of a high-level intelligent operation and maintenance system.

2024

Committed to becoming a global leading smart energy solutions provider

CHINT O&M's global operation and maintenance capacity reached over 24GW (excluding household use). The Company officially launched its intelligent substation system.

Vision, Mission, and Values

Core Values

Customer-oriented, innovative, collaborative, honest, modest and responsible

Corporate Appeal

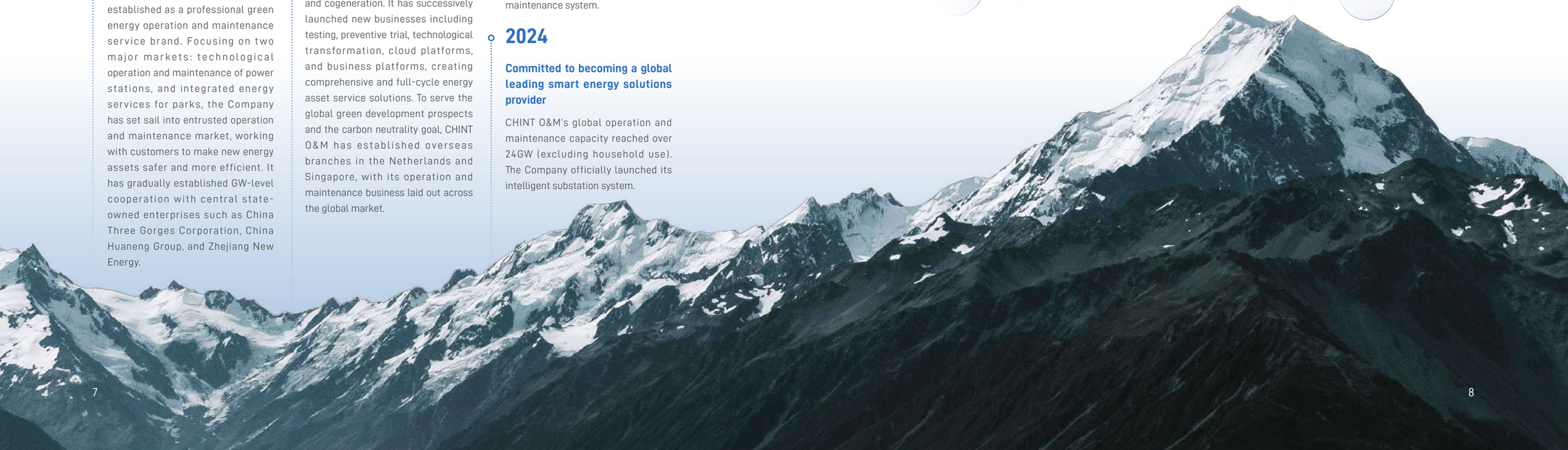
Green energy asset management service provider

Corporate Mission

Empower energy safer, more efficient and more value-added

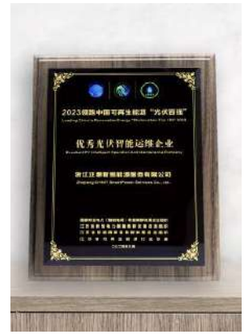
Corporate Vision

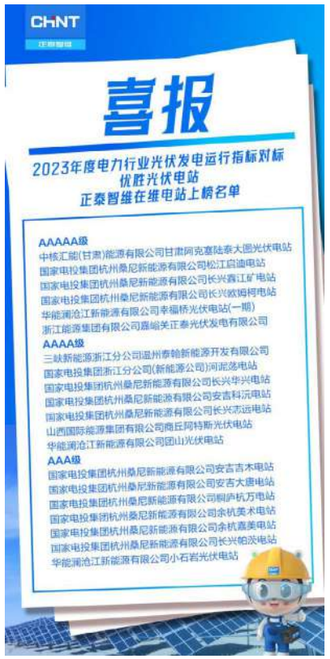
Committed to becoming a global leading smart energy solutions provider



Honors & Awards

Honors & Awards	Issued by
Third Prize in the Solar Photovoltaic Track of the 1st Energy Electronics Industry Innovation Competition	Industry Development and Promotion Center of Ministry of Industry and Information Technology of the People's Republic of China
National High-tech Enterprise	Department of Science and Technology of Zhejiang Province, Zhejiang Provincial Department of Finance, Zhejiang Provincial Tax Service of State Taxation Administration
Grade-Two General Contracting Qualification for Power Engineering Construction	Ministry of Housing and Urban-Rural Development of the People's Republic of China
National Science and Technology-based Small and Medium-sized Enterprise	Department of Science and Technology of Zhejiang Province
Zhejiang Provincial Science and Technology-based Small and Medium-sized Enterprise	Department of Science and Technology of Zhejiang Province
Zhejiang Provincial Digital Service Provider	Economy and Information Technology Department of Zhejiang
"Excellent Photovoltaic Intelligent Operation and Maintenance Enterprise" in the "PV Top 100" awards	National New-Type Power (Smart Grid) Equipment Cluster Development Promotion Organization
2024 Best Practice Case of Energy Internet	China Energy Internet Alliance
20 power stations under maintenance being awarded the title of "Outstanding Photovoltaic Power Station" by the China Electricity Council	China Electricity Council
2024 Outstanding Photovoltaic Power Station Operation and Maintenance Enterprise	OFweek
2024 Influential Photovoltaic Power Station Operation and Maintenance Brand	Polaris Solar Photovoltaic Network
Milestone Witness Award for New Energy Power Stations	China Photovoltaic Industry Association, Renewable Energy Professional Committee of China Energy Research Society, PVmen
Award for Excellence in Distributed Operation and Maintenance Services	China Photovoltaic Industry Association, PVmen, Fengmang Energy, Energy Storage and Electricity Market
CREC2024 Top 10 Distributed Photovoltaic and Energy Storage Operation and Maintenance Brands	Wuxi International New Energy Exhibition
AAA Certification for Power Station Operation and Maintenance Services	TÜV Rheinland





Memberships

Membership Name	Membership Level
Comprehensive Energy Working Committee of China Electrical Equipment Industry Association	Director unit
Professional Committee of New Energy Storage Technology and Comprehensive Energy Application, a group unit of Zhejiang Association of Refrigeration	Vice director unit
Zhejiang Quality Association	Member unit
Jiangsu Province Renewable Energy Industry Association	Member unit
Hangzhou Renewable Energy Association	Member unit

ESG Management

Strategic ESG Guidance

Guided by the CHINT Group's "Ethics, Motivated Workforce, Product Innovation, Operational Effectiveness, Waste Recycling, Energy Efficiency, and Responsible Sourcing (EMPOWER)" sustainability strategy model and in combination with its own business characteristics, CHINT O&M implements key actions of sustainability along the strategic direction, striving to empower its business, customers, industry, and value chain.

E

Ethics

We are committed to adhering to **ethics** of business conducting to **empower our business**

M

Motivated Workforce

We are committed to developing **motivated workforce** to **empower our business**

P

Product Innovation

We are committed to driving **product innovation** to **empower our industry**

O

Operational Effectiveness

We are committed to improving **operational effectiveness** to ensure quality consistency to **empower our customers**

W

Waste Recycling

We are committed to driving **waste recycling** to **empower our environment**

E

Energy Efficiency

We are committed to developing application of **energy efficient** technology to **empower our value chain**

R

Responsible Sourcing

We are committed to implementing **responsible sourcing** to **empower our business**

Sustainability Dimensions Key Actions of CHINT O&M

Ethics	Motivated Workforce	Product Innovation	Operational Effectiveness	Waste Recycling	Energy Efficiency	Responsible Sourcing
Establish and enhance corporate governance framework, and strengthen internal control and risk management to ensure continuous compliance with laws, regulations and industry standards, and to ensure enhanced operational transparency.	Focus on talent attraction, talent cultivation and talent retention, provide ongoing training and career development opportunities, and engage in university-enterprise cooperation in talent cultivation to promote the development of human resources and the long-term growth of the enterprise.	Continuously invest in innovation oriented by "Smart Energy, Technological Service; empower energy safer and more efficient, and provide customers with higher value-added services by means of big data, AI, and cloud services.	Ensure the efficient and safe operation of customers' green energy assets and improve operational effectiveness by continuously enhancing capabilities in EHS management, information security management, and digital innovation.	Serve the maturation phase of customer assets and explore business practices for recycling at the end of the lifecycle of green energy assets.	Utilize intelligent means to provide comprehensive operation and maintenance services across all regions, types, and voltage levels, and offer one-stop clean energy solutions for all types of users; deliver professional services to optimize clean energy assets throughout their lifecycle via "inspection, diagnosis, technological renovation, and operation & maintenance", ensure a stable supply of clean energy, enhance energy production efficiency, and promote the transformation and optimal allocation of the energy structure.	Enhance our own supply chain management capabilities to ensure the security, stability, sustainability, and greenness of the supply chain, and provide customers with green, stable, and sustainable product supply through the Cloud Win platform.

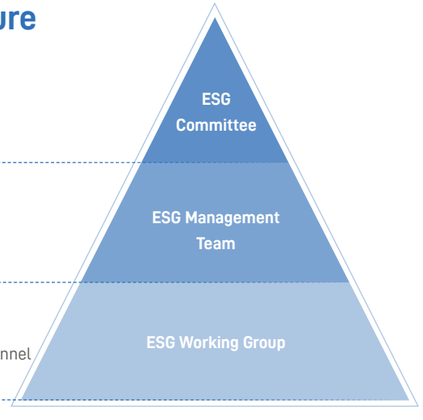
Sustainability Governance Architecture

To implement the concept of sustainability and improve the corporate governance structure, CHINT O&M perfected its ESG governance framework in 2024 by establishing a three-tier governance architecture consisting of the "strategic level - management level - execution level" to ensure the smooth communication and effective operation of ESG strategies.

Strategic Level
Leadership team

Management Level
Department heads and responsible persons

Execution Level
Directors and ESG personnel



Responsibilities of ESG Committee

·Formulate and review the Company's ESG goals, strategies, management policies, and implementation effectiveness.
·Deliberate on and approve the Company's ESG development strategy and goals, material issues, management structure, management systems, and other relevant matters.
·Approve the Company's ESG report.
·Supervise the work of the ESG Working Group and ensure the effective execution of ESG-related matters.

Responsibilities of ESG Management Team

·Implement the Company's ESG development strategies and goals, and organize the implementation of ESG work by all executing units.
·Take charge of drafting ESG-related systems, documents, material issues, phased work plans, and implementation plans.
·Take charge of collecting, compiling, and preparing the Company's ESG reports and related documents
·Take charge of communicating with consulting and rating agencies, organizing ESG-related business training, and tracking ESG-related policy requirements and trends
·Summarize the issues and achievements in ESG work, and provide timely feedback to the ESG Committee on the progress of ESG work and suggestions for improvement.

Responsibilities of ESG Working Group

·Formulate policies and implementation plans that align with the Company's ESG strategies and goals.
·Manage ESG-related risks and matters in daily operations.
·Coordinate and promote the implementation of ESG-related matters.
·Prepare the annual ESG report.
·Collect and organize information on ESG-related policy changes in the industry to provide informational support for ESG Committee's strategic research.
·Draft or organize the preparation of various ESG-related work plans, systems, ESG reports, and other ESG-related disclosure documents.

Sustainability Capability Enhancement

CHINT O&M continuously advances the construction of sustainability capabilities. In 2024, the Company released several ESG-related knowledge columns and launched a variety of courses, including "Practical ESG Training" and "ESG and Sustainable Business Strategy Thinking and Practice". These initiatives aim to enhance employees' basic understanding and awareness of ESG, promote the implementation of sustainability concepts, and facilitate the implementation of relevant sustainability policies and ESG work.

Stakeholder Communication

With reference to the five principles of the AA1000 Stakeholder Engagement Standard 2015 Version (AA1000 SES 2015) to assess each stakeholder group's dependence on the Company, responsibilities, tension/attention, influence, and diverse viewpoints, CHINT O&M identified five main categories of stakeholders: employees, customers, suppliers, governments/regulators, and industry associations/chambers of commerce. For detailed information on the communication topics and frequency with major stakeholders, please refer to the Comparison Table for Communication with Major Stakeholders.

Comparison Table for Communication with Major Stakeholders:

Stakeholders	Issues of Concern	Communication Way	Communication Frequency
Employees	Human capital development Safe operation and maintenance Compliant operations	Learning platform	Immediately
		Electronic bulletin	Immediately
		Performance interview	Semi-annually
		Trade union meeting	Annually
		Team-building activities	Irregularly
Customers	Customer service and satisfaction Scientific and technological innovation Information security Safe operation and maintenance Compliant operations Clean energy	On-site services	Irregularly
		Email	Immediately
		Customer service hotline	Immediately
		Customer satisfaction survey	Twice a year
Suppliers	Sustainable supply chain Compliant operations	Quality conference	Annually
		Supplier review	Irregularly
		Daily conference	Irregularly
Governments/ Regulators	Clean energy Green operation and maintenance and ecological protection Scientific and technological innovation Compliant operations Information security Safe operation and maintenance Rural revitalization and social contribution	Information disclosure	Immediately
		Supervision and review by competent authorities	Irregularly
		Policy/special topic seminars, symposiums, surveys	Irregularly
Industry Associations / Chamber of Commerce	Scientific and technological innovation Compliant operations Human capital development	Participation in association activities	Irregularly
		Participation in exhibitions	Irregularly
		Strategic cooperation	Irregularly

Material Issue Identification

Routine management of material issues lays a solid foundation for CHINT O&M to engage in sustainability management. In 2024, based on its business model and sustainability context, and in combination with national policy guidance, industrial development trends, and the concerns of various stakeholders, CHINT O&M conducted a materiality analysis of issues, as detailed below:

Step 1
Understand the background of corporate activities and business relations

Step 2
Establish the list of material issues

Step 3
Evaluate and confirm the materiality of issues

Step 4
Present material issues in the ESG report

Step 1: Understand the background of corporate activities and business relations

During the internal/external environment analysis, we review corporate business operations, public information, and value chain analysis to derive a comprehensive set of sustainability issues vital to the stakeholders. We also identify main business activities in each part and the stakeholders involved, and extensively consider the requirements and concerns of stakeholders collected through various communication channels.

Step 2: Establish the list of material issues

Referring to the Shanghai Stock Exchange (SSE) Guidelines on Sustainability Reporting, the Global Reporting Initiative's Sustainability Reporting Standards (GRI Standards 2021), and the industry-specific material issue matrix developed by Sustainability Accounting Standards Board (SASB), we identify a total of 11 ESG issues, and established a list of material issues.

Step 3: Evaluate and confirm the materiality of issues

For each issue on the list, CHINT O&M extensively refers to relevant regulations, media, sustainability websites and reports, as well as the requirements from major stakeholders such as customers, investors, and ESG rating agencies. The Company then identifies relevant impacts, risks, and opportunities from two dimensions: "materiality to stakeholders" and "materiality to CHINT O&M's sustainability", and conducts a materiality assessment.

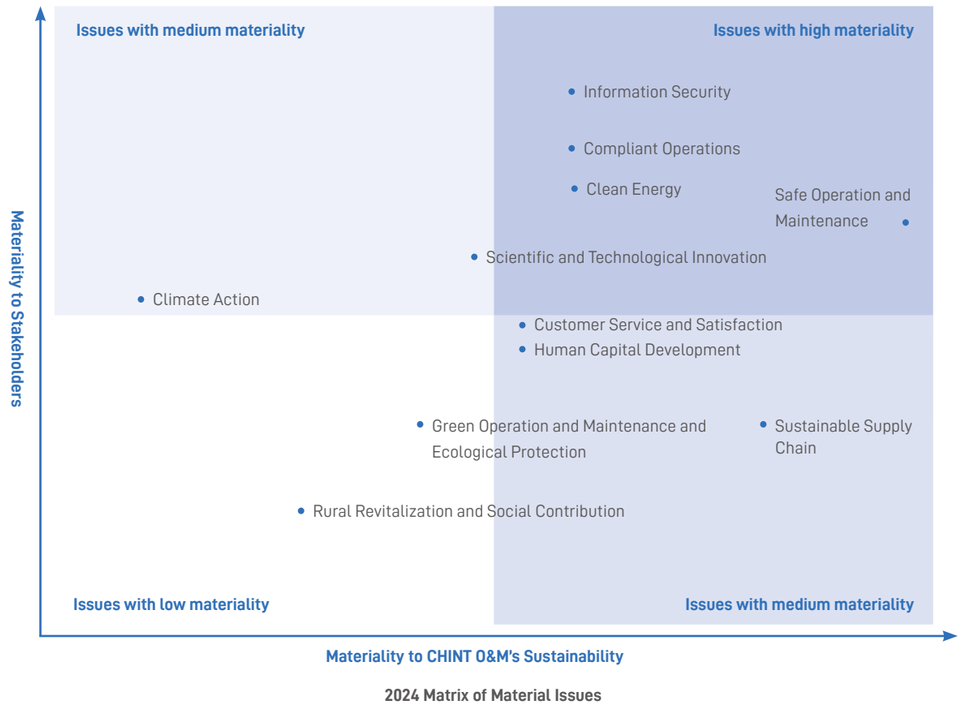
When assessing the "materiality to CHINT O&M's sustainability", the opinions are obtained through a questionnaire survey of internal stakeholders, with a total of 41 questionnaires collected.

When assessing the "materiality to stakeholders", the opinions are obtained through a questionnaire survey of external stakeholders, with a total of 34 questionnaires collected.

With the X-axis to represent the "materiality to CHINT O&M's sustainability" and the Y-axis to represent the "materiality to stakeholders", based on the results of the materiality assessment, we form the 2024 Matrix of Material Issues and determine the material issues and their priorities for this year.

Step 4: Present material issues in the ESG report

The ESG Committee reviews and confirms the analysis results. Based on these results, the Company discloses information in a targeted way and enhances its practices.



2024 Matrix of Material Issues

Maximizing Efforts for a Green Future

01

Benefiting from scientific and technological innovations, CHINT O&M continuously enhances the self-inspection and self-healing capabilities of power stations to increase power generation revenue. By empowering operation and maintenance work with high-quality management systems and intelligent platforms, the Company improves labor efficiency, reduces safety risks, and ensures the compliance, sustainability, and long-term stability of green energy asset operations. Through efficient operation services, the Company enhances environmental benefits of green energy assets, promotes the generation of green power, and carries out energy-saving and consumption-reducing management, thereby contributing to the global goal of carbon neutrality.

Response to the United Nations Sustainable Development Goals:

Empowering Green Assets with a Professional Attitude

Strictly Ensuring Technological Quality

Enhancing Quality System

CHINT O&M is well aware that technological quality is the fundamental guarantee for winning customer trust and ensuring the sustainability of the enterprise. We are committed to providing customers with high-quality products and services, continuously strengthen quality awareness, and vigorously promote quality management work to build a comprehensive and efficient quality management system. Through a comprehensive quality management system and strict third-party audits, we provide customers with high-quality and reliable service guarantees. During the reporting period, the Company did not have any major safety or quality accidents related to products and services.

Certificates Acquired by CHINT O&M

ISO 9001 Quality Management System Certificate

ISO 14001 Environmental Management System Certificate

ISO 45001 Occupational Health and Safety Management System Certificate

ISO/IEC 27001 Information Security Management System Certificate

GB/T 29490 Intellectual Property Management System Certificate

Grade AAA Credit Rating Certificate

CMMI3 Certificate

Grade AAAAA Power Station Operation and Maintenance Certificate by China Electricity Council

Grade AAA Power Station Operation and Maintenance Service Certificate by TÜV Rheinland

Cultivating Quality Culture

During the year 2024, the Company conducted a total of **6** training sessions.

The Company won the **2nd** prize in the 2023 Zhejiang Provincial Quality Association Competition.

CHINT O&M has integrated quality culture into corporate development. By continuously building and enhancing the quality culture and training system, and combining advanced technical means, we continuously promote the improvement of quality management.

In terms of quality training system, the Company holds monthly quality meetings every month. Each department thoroughly combs through and summarizes the quality work of the month, clarifies key directions and critical tasks for the next month's quality work, and formulates detailed work plans to ensure the orderly and continuous progress of quality work, forming effective closed-loop management. We regularly organize QCC training courses to enhance employees' quality awareness and problem-solving abilities, and to help them master advanced quality management concepts and methods. During the year 2024, the Company conducted a total of six training sessions. The training covered all levels and positions within the Company, with contents closely aligned with actual business needs, comprehensively improving employees' quality literacy and professional skills, and providing a solid talent guarantee for quality development. With remarkable training results, the Company won the second prize in the 2023 Zhejiang Provincial Quality Association Competition.

Won the second prize of the Excellent QC Achievement Award of Zhejiang Province

Convened QCC Achievement Release Conference

To meet the quality management needs of the digital age, CHINT O&M has introduced an advanced SaaS platform to achieve online quality monitoring throughout the entire process. With the help of this platform, real-time collection, integration, and analysis of quality data are realized. Once quality anomalies are detected, the system can quickly issue early warnings and accurately locate the sources of the anomalies, providing strong support for the timely implementation of corrective measures. This not only significantly improves the efficiency and precision of quality control, but also ensures that our products and services always maintain a stable and high-quality level.

Ensuring Customer Satisfaction

Building an Effective Customer Service System

When constructing the customer service system, in close alignment with the corporate strategy, CHINT O&M takes into account key indicators such as improving customer satisfaction and reducing customer churn, thus laying a solid foundation for customer service. On this basis, we have built a comprehensive customer information database and utilized multiple channels to collect customer data. By means of the powerful analytical capabilities of big data, we gain insights into customer needs and behavioral preferences to ensure the accuracy and completeness of the information from all aspects, thus strengthening the foundation for customer relations management and making subsequent services more targeted and precisely matched to customer needs.

Optimizing Customer Service Quality

In the pursuit of service quality, CHINT O&M focuses on two key dimensions: process and personnel. On the one hand, we have fully optimized the service process. Relying on the CRM system platform, we have identified and eliminated cumbersome and redundant links, skillfully introduced automation tools to simplify the operation path, and provided clear and explicit guidance signs. This allows customer service requests to be processed efficiently and smoothly. Meanwhile, standardized processes ensure the consistency and high quality of services, enabling customers to experience stable and reliable services. On the other hand, we place great emphasis on the professional capabilities of the customer service team. By regularly organizing professional training covering a wide range of contents, including product knowledge, communication skills, problem-solving strategies, and emotional management, we comprehensively improve the quality of customer service personnel. This enables them to accurately understand and professionally respond to the diverse needs of customers, winning their trust and satisfaction with efficient solutions.

Managing Customer Feedback Systematically

The Company actively constructs multi-dimensional customer feedback channels. By conducting on-site customer visits, regular phone callbacks, setting up a 24-hour customer service hotline, and carrying out customer satisfaction surveys, we have established a comprehensive customer satisfaction evaluation system. During daily operations, the Company collects customer feedback and suggestions from all aspects. In response to customer complaints and opinions, we provide customers with considerate services with a professional attitude and efficient actions.

Customer Service Hotline: 400 0571 277

After receiving feedback from customers regarding service quality issues and other matters in the operation and maintenance services, we provide a solution within 2 hours based on our LTR delivery capability.

Follow-up visits to enhance customer satisfaction

We reach out to all customers through phone calls, emails, questionnaires, and other forms to listen to their needs and suggestions.

CHINT O&M places great emphasis on customer satisfaction management. Through rigorous and systematic processes, we ensure precise understanding and efficient response to customer needs and feedback, and are committed to continuously improving service quality and customer experience. In May and November each year, the Company formulates semi-annual survey plans and schemes through multi-department collaboration, determining key elements such as survey targets, survey contents, survey methods, time arrangements, and questionnaire design to ensure the comprehensiveness, scientific nature, and relevance of the survey. Based on the established plans, we conduct satisfaction surveys among the target respondents and track the questionnaires distributed and collected to ensure the smooth and efficient completion of the survey. The Company has established clear survey evaluation criteria and taken corresponding measures based on the survey scores, forming a closed-loop management mechanism for continuous improvement. In 2024, our overall customer satisfaction score reached 88.92 points. The survey covered 117 customers who met the survey requirements, and 96 valid questionnaires were successfully collected, with a high recovery rate of 82%, in line with the requirements of the CGCZW 05001-202 standard for "Customer Satisfaction Survey and Evaluation Management".

The Company has established the Customer Complaint Management Regulations to build a customer complaint response mechanism, for the purpose of actively addressing customer complaints. The complaint process consists of receiving complaints, analyzing complaints, responding to customers, resolving issues, and providing feedback. We adhere to the principles of "quick response, thorough investigation, timely reply, and correction and prevention" to standardize the handling of customer complaints.

Winning Customer Trust

With excellent product quality and premium customer services, the Company has won high recognition and praise from key customers.

Awards from Customers (to name but a few)

Award Name	Issued by
2023 Annual 200-Day Fault-Free Photovoltaic Power Station Management Achievement Award	Zhejiang New Energy Investment Group
2023 Annual Photovoltaic Labor Competition Award	China Three Gorges Corporation
2023 Annual 100-Day Fault-Free Photovoltaic Power Station Management Award	China Three Gorges Corporation

Successful Cases (to name but a few)

Letters of praise received by CHINT O&M from customers

The operation and maintenance team of the Tangshan Qianxi Power Station at the Hebei O&M site received a letter of praise and an award banner from the owner

After achieving excellent results in the first photovoltaic skills practical competition organized by SPIC Zhejiang Branch, the Trade Union Office and the Production Technology Department of SPIC Zhejiang Branch jointly sent a congratulatory letter

Guaranteeing Safe Operation and Maintenance

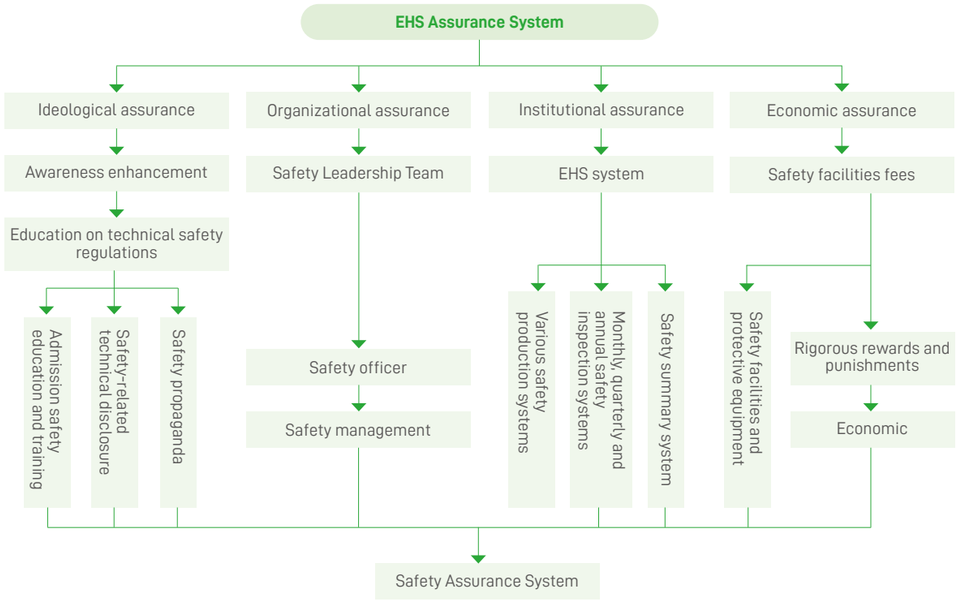
Ensuring Safe Operation and Maintenance

Consolidating the foundation of safety management through systematic management

Placing great emphasis on safety management, CHINT O&M has established a comprehensive and rigorous safety management system. In terms of organizational structure, the Company has set up the Safety Production Management Committee to strictly adhere to the principles of "whoever is in charge, whoever is responsible", "safety must be managed alongside production", "safety must be managed alongside industry", and "safety must be managed alongside business operations". We earnestly implement the safety production responsibility system at all levels.

The Safety Production Management Committee consists of the EHS Office that effectively implements the safety production responsibility system at all levels. From senior management to grassroots employees, the responsibilities of each individual in safety management are clearly defined, forming a comprehensive safety management responsibility framework. Each region is equipped with professional full-time safety management personnel and safety officers to ensure that safety work is advanced layer by layer and implemented without any blind spots.

The Company has established a EHS assurance system to ensure comprehensive safety work from four aspects: ideological assurance, organizational assurance, institutional assurance, and economic assurance. By continuously carrying out safety education activities, we enhance employees' safety awareness and impart the concept of safety in their minds. A safety leadership group has been set up for supervision and management, and the HSE system and safety inspection system are regularly implemented. We increase investment in safety facilities and regularly conduct comprehensive and detailed risk assessments and hidden danger inspections of equipment, facilities, and work processes. Once problems are identified, the remediation process is immediately initiated to effectively reduce the occurrence of accidents.



The Company promotes safety through comprehensive safety management systems, including team activity safety regulations, work permit management systems, power station-related party management systems, and safety production reward and punishment systems. These systems are also integrated with the safety management platform to carry out various safety inspections, education trainings, and emergency drills.

Key Performance

Proportion of employees covered by occupational health and safety management system:

100%

Proportion of employees covered by work-related injury insurance:

100%

A summary of safety management systems:

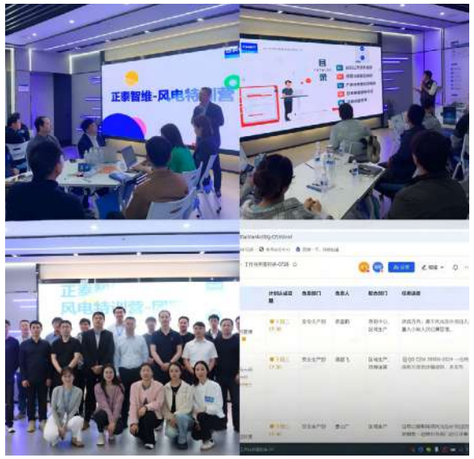
Emergency management system	Safety management of key power stations
Safety management of photovoltaic power station-related parties	Safety training management
Special Control Plan for Enhancing Vehicle Safety Management of CHINT O&M	Occupational health management
Management of safety tools and equipment	Safety sign management
Safety inspection and hidden danger management	Safety production target accountability
Safety production assessment management	Accident reporting and investigation management
Hazardous waste management	Team activity safety management
Emergency plans for production safety accidents	Regular meeting system for safety production
Management of labor protection supplies	Special operator management
Operation ticket management AI	Guidelines on How to Use the "CHINT O&M Safety Management" WeChat Applet
Work ticket management AI	Safety inspection and hidden danger management
Hazard source identification and environmental factor identification management	Management of "two conditions" of power stations under operation

To enhance the safety awareness of employees and strengthen the production skills of on-site workers, based on the operation and maintenance situation, the Company has formulated multi-dimensional safety inspection plans, including daily, monthly, seasonal, and special inspections, to identify potential safety hazards, thereby ensuring the safe construction and reliable operation of power stations. In addition, we conduct safety education and training as well as emergency drills every month to improve employees' safety awareness and response capabilities.

Ongoing safety inspections

Power station visualization

Technological transformation of fans



Safety empowerment

Safety inspections

Preventive trial

Routine operation and maintenance

Autonomous line overhaul

Facilitating reliable operations via digital platforms

CHINT O&M has independently developed a safety management platform that digitizes and finely controls safety inspections, education and training, emergency drills, and other tasks. Through intelligent data analysis and real-time monitoring, the platform enables the full digitalization of safety management process. In addition, the platform supports the scheduling of safety training progress and online learning. The completion status of trainings, drills, certification rates, and responsibility statements, notification issuance, reward and punishment systems, and health assessments can all be reported and reviewed on the platform. By establishing comprehensive electronic safety management files, the platform promotes safety performance evaluations and continuous improvement of power stations, and advances the construction of safety culture.

Safety Management Platform

Enhancing safety awareness with comprehensive safety culture

In 2024, a total of

3,735 EHS training sessions were organized.

with participation exceeding

30,000 person-times

To strengthen safety education and instill the concept of "safety first" in employees while cultivating their safety production skills, the Company has developed an annual training plan to regularly implement training activities. Every month, the Company organizes safety education and training sessions, such as emergency response and accident case micro-lessons, to impart safety knowledge and emergency skills to frontline employees. In 2024, a total of 3,735 EHS training sessions were organized, with participation exceeding 30,000 person-times.

The Company launches the Safety Production Month campaign, which focuses on two main areas: "strengthening safety awareness" and "enhancing safety skills". Through a variety of cultural construction activities, including safety knowledge challenges, company-wide learning sessions, and hanging banners, the Company clarifies safety production responsibilities and management measures, improves safety management awareness and capabilities, and strengthens the dual prevention system. By doing so, the Company creates a safe and stable environment to ensure that each individual takes responsibility for safety and upgrades safety skills within teams, thus striving for high-quality corporate development.

Case **CHINT O&M Held the Fourth Safety Production Skills Competition**

On June 21-22, 2024, CHINT O&M held the Fourth Safety Production Skills Competition in Yongchang, Gansu. The Competition aimed to enhance the safety awareness and production skills of on-site workers, improve safety assurance capabilities, establish a solid safety baseline, and ensure the safe construction and reliable operation of power stations. The Competition consisted of both team and individual events, covering multiple aspects such as theoretical exams, interview Q&A, switching operations, and fault diagnosis and analysis. After the Competition, participants and judges engaged in discussions on safety issues, shared and summarized their experiences. The Competition extensively publicized and implemented President Xi Jinping's important discourse on safety production, promoting the establishment of safety development concept and actively fostering company-wide safety culture.

Case **CHINT O&M Organized the Guangxi Jinyuan "Three-Prevention" Safety Skills Competition**

On October 11, 2024, the 2024 Guangxi Jinyuan "Three-Prevention" Safety Skills Competition was successfully held in Qinzhou, Guangxi. The Competition aimed to enhance the safety awareness and emergency response of all employees, promote learning and practice, and lay a solid foundation for the stable development of CHINT O&M. Participants from ten teams strictly followed operating procedures to engage in standardized operations, fulfilling each task meticulously, and fully demonstrating the professional quality of front-line operation and maintenance personnel. The Competition provided a platform for technical exchange and learning improvement for front-line operation and maintenance employees and also marked an important measure to strengthen the construction of a professional safety production team. As a green energy asset management service provider, CHINT O&M has long been deeply involved in the operation and maintenance of new energy power stations, continuously strengthening the construction of safety production teams to ensure their safe and reliable operations of power stations.

Safeguarding Information Security

CHINT O&M is well aware of the criticality of information security and is committed to building and optimizing its information security management system. Meanwhile, the Company implements diversified and in-depth information security education and training activities. Through a series of comprehensive and meticulous management measures, the Company ensures that its information security is highly reliable and impregnable, thereby maintaining a stable and risk-free state. During the reporting period, benefiting from the aforementioned measures, the Company achieved an excellent record of zero major accidents and no related litigation cases in terms of information security.

Information Security System Construction

During the reporting period, the Company formulated and implemented

2 key information security regulations.

CHINT O&M has currently obtained the ISO/IEC 27001:2022 certificate and strictly complies with a series of national laws, regulations, and industry standards, including 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 *Measures for the Administration of Information Security Classification Protection*. Meanwhile, the Company has established a comprehensive and systematic information security management system. During the reporting period, relying on the overall guidance of CHINT Group's *Information Security Management System*, the Company formulated and implemented two key information security regulations aimed at fully standardizing information security practices and ensuring that information and data security risks are effectively prevented and controlled.

The Company has established the Information Security Management Committee as the highest decision-making body for information security. This committee is responsible for reviewing and approving the overall plan for information security construction, organizing and supervising the implementation of information security management work, and coordinating to resolve major information security challenges. With the vision of becoming a benchmark enterprise in the industry and adhering to the core concept of "creating outstanding value for customers and promoting continuous social progress", we are committed to providing our customers with efficient, meticulous, professional, high-quality, and first-class products, solutions, and services.

In terms of information security practices, the Company adheres to the basic principles of "clear-cut rights and responsibilities and graded management", that is, "whoever is in charge is responsible; whoever operates bears the responsibility", to ensure the precise fulfillment of information security responsibilities. By promoting the implementation of information security management measures, we actively advocate and achieve a good atmosphere of full participation in information security management and supervision, laying a solid foundation for achieving stable development and winning customer trust.

Information Security Audit

To strengthen the information security management system, CHINT O&M has set up a department responsible for information security audits. This not only covers information security reviews across all business areas but also pays particular attention to the computer room environment. A strict access control mechanism is implemented, which is integrated with auditing functions to keep detailed records and provide access logs for subsequent security checks and in-depth analysis, ensuring the safety of the physical environment in the computer room.

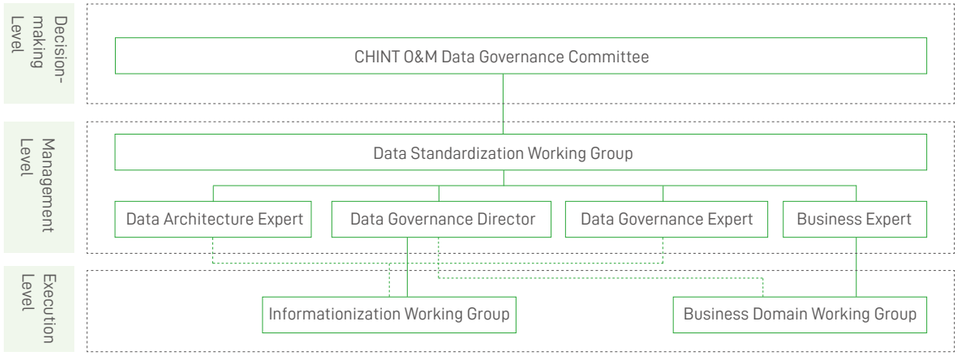
In addition, for all relevant application systems, the Company enables log auditing functions to ensure that all system operations, abnormal access, data changes, and other key events are fully recorded, providing solid data support for the tracing, analysis, and response to security incidents.

The Company invites a third-party auditing firm to conduct information security system audits annually.

Information and Privacy Security Management

CHINT O&M obtains the explicit consent of employees and customers through a personal data privacy agreement before collecting their personal privacy information. The data is transmitted via encrypted channels and encrypted to prevent accidental leakage. Access to systems storing personal data of employees and customers is subject to multi-factor authentication (MFA) to ensure the legitimacy of the accessors' identities and permissions. In data centers housing systems with personal data of employees and customers, physical security control measures are strictly taken in place for security personnel, access control, surveillance cameras, data center inspections, alarm systems, and escort personnel.

To strengthen the management and governance of master data, ensure the high quality of organizational data, enhance data security protection especially in information and privacy security management, CHINT O&M promotes seamless collaboration across departments, unifies business definitions and standards, improves data transmission efficiency between systems, and widely disseminates the importance of data governance. Moreover, the Company has established the Data Governance Committee led by the Chairman, who serves as the overall person in charge. The committee consists of the decision-making level, the management level, and the execution level, all of which work together to comprehensively and efficiently manage and advance data-related work.



Architecture of Data Governance Committee of CHINT O&M

In 2024, two core regulations were established: *Basic Information Management of Power Stations, and Master Data Management of Customers and Suppliers*. These regulations not only clarify various measures for data security management, including regular inventory and verification of information assets and the implementation of strict access control policies, but also particularly emphasize the management requirements for information and privacy security, ensuring the legality and compliance of data access, use, storage, and transmission, and effectively protecting personal privacy information.

In terms of data security protection, the Company pays particular attention to the handling of sensitive data, employing encryption techniques for storage and transmission to ensure data security during its flow. We accurately identify, scientifically assess, continuously monitor, and effectively warn against potential information security risks, especially those involving information and privacy security, providing solid protection for data security and privacy.

Through these efforts, the Company aims to build an efficient, secure, and collaborative data governance environment. This not only enhances our data quality and management efficiency but also ensures that the information and privacy of employees, customers, and partners are fully respected and protected, providing solid data support and security guarantee for the Company's sustainable and healthy development.

Key Performance

Total number of confirmed incidents of leakage, theft or loss of customer information:

0

Information Security Month of CHINT O&M

Empowering Green Assets with Digital Innovation

Cultivating a Fertile Ground for Innovation

With the growing global demand for renewable energy, technological innovation has become the core driving force for the high-quality development of renewable energy. The National Development and Reform Commission and the National Energy Administration clearly pointed out in the *Implementation Plan for Promoting the High-Quality Development of New Energy in the New Era* that it is necessary to "increase support for intelligent manufacturing and digital upgrading of the industry, and develop and implement an action plan for the development of intelligent photovoltaic industry to improve the intelligence and informatization level of products throughout their life cycle". CHINT O&M, guided by the direction of "Smart Energy, Technological Service", continues to invest in innovation, with the proportion of R&D investment in operating revenue steadily increasing. Leveraging big data, AI, and cloud services, the Company promotes the intelligent transformation of the energy field, making energy safer, more efficient, and more value-added.

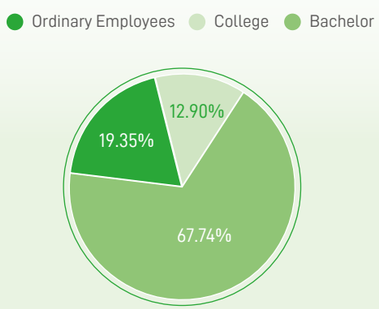
We are well aware that cultivating talents with cutting-edge technical knowledge and practical abilities can drive innovation in key areas such as intelligent operation and maintenance, data analysis, and equipment maintenance. This move not only enhances our technical strength and market competitiveness, but also provides a solid talent support for achieving the goals of carbon peaking and carbon neutrality, and promotes the sustainability of the industry. The Company encourages talent development through multiple channels such as project bonuses, promotion, performance evaluation, and skill training, to cultivate innovative talents for corporate development.

Key Performance

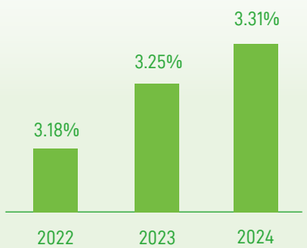
Number of core R&D technicians:

93

Education Background of Core R&D Technicians



Proportion of Total R&D Inputs in Operating Revenue



Innovation Incentives

Project Bonuses

Each project is assigned with a points system, where points correspond to the project bonuses that team members ultimately receive.

Performance Bonuses

Performance bonuses are awarded based on employee performance and assessment results.

Promotion

Annual job grade evaluations are conducted, and employees who wish to be promoted can apply for promotion.

Merit and Excellence Awards

Outstanding employees and teams are selected on a quarterly and annual basis, with honors and bonus incentives provided to recognize their achievements.

Skill Training and Academic Exchange

Technical sharing and industry-related exchanges are held irregularly to broaden the horizons of technicians and foster a positive R&D atmosphere.

CHINT O&M actively promotes the integration of industry, academia, and research to drive technological breakthroughs and innovation. By aggregating the research capabilities of top universities such as Zhejiang University and Shanghai Jiao Tong University, we have established a full-chain conversion channel of "basic research - technical pilot - industrial application", enabling the value release and efficient transformation of scientific research achievements on the Smart Energy Cloud Platform.

In collaboration with **Zhejiang University**, CHINT O&M has been conducting technical research on the Smart Energy Cloud Platform. From 2021 to 2024, the project was carried out in two phases focusing on the research of infrared defect detection technology for photovoltaic panels using drones. We worked together on component extraction, strip and dot anomalies, and string anomaly detection algorithms. These algorithms were validated on tens of thousands of images and integrated into the platform, achieving productization and application.

In collaboration with **Shanghai Jiao Tong University**, CHINT O&M explored the technology matrix for intelligent operation and maintenance of photovoltaic power stations. From 2021 to 2022, we conducted research on the application of intelligent operation and maintenance technologies for photovoltaic power stations. Together, we developed several technologies, including inverter temperature early warning, component failure identification, power generation post-evaluation, and intelligent cleaning of components, and achieved their application transformation.

Taking the **Zhejiang Provincial Vanguard R&D Plan and Natural Science Foundation Projects** as strategic fulcrums, we have jointly built an integrated R&D matrix of "government, industry, academia, research, and application". Relying on CHINT O&M's world-leading 20GW PV demonstration network, we have formed a cross-domain top-tier R&D team to accelerate breakthroughs in major scientific and technological achievements. We have successfully applied for the following projects together: *Research and Application Demonstration of Key Technologies for Intelligent Operation and Maintenance of Photovoltaic Power Stations* (the 2023 Zhejiang Provincial Vanguard R&D Plan Project), *Conversion of Advanced Appropriate Green and Low-Carbon Technologies and Equipment - R&D and Application of Low-Carbon Equipment Technology Based on the Coupled Big Model of Architecture and Transportation Fields* (the 2024 Zhejiang Provincial Vanguard R&D Plan Project), *Research on the Fault Evolution Mechanism and Unmanned Autonomous Operation and Maintenance Methods of Photovoltaic Power Stations* (the 2025 Zhejiang Provincial Natural Science Foundation Project). These projects aim to overcome key challenges in the operation and maintenance of photovoltaic power stations, including efficient and accurate defect detection, fault diagnosis, health assessment, and proactive early warning, to support the realization of unmanned autonomous operation and maintenance of photovoltaic power stations.

Highlight Achievements

- In 2022, honored with the titles of "Rising Star Enterprise" and "National Science and Technology-based Small and Medium-sized Enterprise"
- In 2023, awarded the titles of "High-tech Enterprise", "Patent Pilot Enterprise", "Gazelle Enterprise", and "Innovative Small and Medium-sized Enterprise"
- In 2024, participated in the "Vanguard" and "Leading Goose" projects in Zhejiang Province
- In 2025, won the major projects of the Zhejiang Provincial Natural Science Fund - Baimalake Laboratory Joint Fund, and submitted a total of 10 cooperative patents

Participated in the construction of technical standardization, the formulation of 2 national and industry standards, and the preparation of several group standards.

Protecting Intellectual Property Rights

CHINT O&M actively participates in the application for national and provincial scientific research projects. By leveraging the respective strengths of universities, enterprises, and research institutions, we have established innovative cooperation with Zhejiang University and Shanghai Jiao Tong University. We have also strengthened the alignment between the enterprise and government policies to promote technological innovation and industrialization. Furthermore, we have facilitated the transformation of project outcomes into intellectual property rights.

Key Performance

As of the end of the reporting period, CHINT O&M has been granted

15 invention patents

utility model patents 8

design patents 9

the Company has also registered

5 data intellectual property rights

obtained software copyright certificates 25

Focusing on Innovative Development

Gaining Strength through Innovative Technologies

Under the guidance of the high-quality and large-scale leapfrog development of the 14th Five-Year Plan for renewable energy, CHINT O&M continues to leverage its digital intelligence advantages and strengthen the integration of digital technology and business, thereby providing intelligent operation and maintenance as well as multi-effect value-added services for the entire life cycle of new energy power stations. Based on intelligent monitoring, the Internet of Things (IoT), and big data analysis, and relying on the station-end system and the CHINT O&M Intelligent Operation and Maintenance Cloud Platform, we cover a wide range of application scenarios, including rental/free models, private deployment, station-level diagnosis, and internationalization models, to offer comprehensive solutions for photovoltaic operation and maintenance platforms. In 2024, the platform continued to expand its business and accumulate technology. A total of 33 versions were released, with more than 100 functions and 6 new algorithms launched. We also filed 12 software copyrights and 4 patent applications.

Case CHINT O&M Intelligent Operation and Maintenance Cloud Platform Enabled the Intelligent Appreciation of Green Energy Assets

CHINT O&M Intelligent Operation and Maintenance Cloud Platform is a comprehensive intelligent operation and maintenance platform that integrates advanced technologies such as cloud computing, big data mining, unmanned power stations, and machine learning. This platform captures and analyzes key data and metrics related to power generation, resources, performance, and operation of power stations, thereby aiding in the lifecycle management of power stations and the extraction of data value. By managing, driving, decision-making, and innovating with data, the platform transforms data resources into data assets and further into monetized assets. The platform is widely applied in new energy fields such as photovoltaics, wind power, and energy storage, providing robust support for the entire lifecycle management of power stations. It effectively ensures stable power generation from new energy power stations, safeguards customer investment returns, and actively propels the intelligent development process of the new energy industry.

Technical Strength

·In terms of technical strength of cloud-edge collaboration, data collection, diagnosis, and analysis are placed at the power station end. Leveraging the power station robots to record operational conditions and analyze faults, the results are then uploaded to the cloud to complete the production management business processes. This approach not only ensures data security but also enhances the efficiency of operation and maintenance.

·Through big data analysis and intelligent algorithms, high-precision monitoring and in-depth mining of power station and equipment operation data are achieved. This enables the visualization of the power production process and the refinement of photovoltaic asset supervision, providing a scientific basis for operation and maintenance decision-making.

Function Application

·**Panoramic Map:** A base map is generated from the power station surveying data obtained by drones, with equipment information marked on it. Fault information can be displayed in a real-time manner.

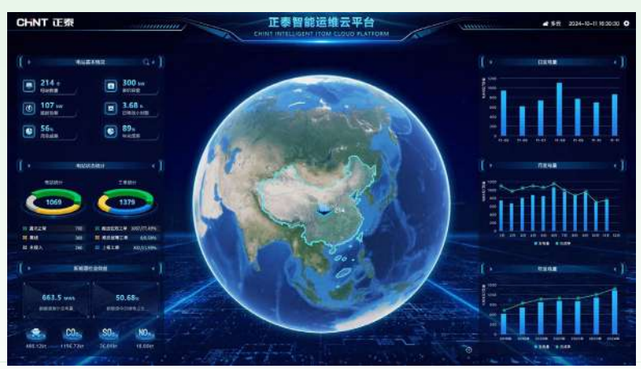
·**Smart Inspection:** With the help of intelligent means such as infrared drones, component defects and their locations can be automatically identified and alarms can be triggered, which improves the efficiency of inspections and reduces labor costs.

·**Visualized Analysis:** Digital twin technology is used to display information such as the results of string drone infrared identification, assisting operation and maintenance personnel in quickly locating issues.

·**Status Traceability:** The operating status and historical data of equipment are recorded, making it convenient to trace performance changes and fault processes.

·**Work Order Tracking:** Through proactive defect closed-loop management, a system is formed by introducing fault trees, etc. The diagnosis center is connected with the work order system, which can automatically generate and track work orders, enabling quick handling of defects.

·**Digital Simulation:** It can simulate and predict the operation of power stations, providing support for power station optimization and transformation.



Case **The Expert Diagnosis Report System Provided Precise Judgment for the Entire Life Cycle of Green Assets**

CHINT O&M has launched the Expert Diagnosis Report System. The platform has robust data collection capabilities, with high-precision sensors installed at key locations such as photovoltaic modules, inverters, and combiner boxes to widely collect data on voltage, current, temperature, irradiance, etc. These data, which reflect the real-time operating conditions of the power station, lay a solid foundation for the subsequent generation of expert diagnosis reports. Taking large-scale ground-mounted power stations as an example, numerous sensors comprehensively cover equipment in all areas, ensuring the completeness and accuracy of the data. Even minor voltage changes in the modules and fluctuations in environmental factors can be accurately collected and transmitted to the platform, providing detailed and reliable information for in-depth analysis and diagnosis. The final expert diagnosis report can make scientific judgments and presentations based on comprehensive and authentic data.

Data Analysis and Diagnosis

The collected data is subjected to in-depth mining and comprehensive analysis by the platform using advanced big data analysis techniques and AI algorithms. By comparing with the normal operation data model, the platform can accurately identify anomalies such as voltage fluctuations and temperature abnormalities. Meanwhile, based on predefined fault diagnosis rules and the knowledge base, the platform can quickly determine equipment failures or potential operational risks, and accurately provide the corresponding causes and locations of the faults. This provides the basis for the expert diagnosis report and helps maintenance personnel to respond quickly and take effective measures to resolve issues.

Automatic Generation of Reports

Based on the results of data collection and analysis, the platform can automatically generate standardized and well-structured expert diagnosis reports. These reports cover basic information of the power station, data period, key indicators, fault details, and handling suggestions. They are logically clear, detailed, and easy to understand, saving the time and effort required for manual writing. These reports provide maintenance personnel with a comprehensive overview of the power station's operational health, strongly supporting subsequent maintenance work and improving the efficiency and quality of operation and maintenance. The expert diagnosis report function, through its automated processes, enhances the efficiency of data collection, organization, and analysis. It minimizes the risk of human oversight and judgment errors, quickly generates reports, and significantly reduces the time originally required for diagnosis work, thereby greatly improving diagnostic efficiency. This allows for the timely identification and resolution of power station issues, reducing power generation losses. Moreover, the automatically generated diagnosis reports are systematically stored by the platform, making it convenient for maintenance personnel to review historical data, identify patterns, and develop preventive maintenance strategies. It enables a shift from reactive to proactive maintenance, providing a scientific management solution for the long-term stable operation of power stations. It also offers data support for performance evaluation and equipment renewal, advancing the operation and maintenance of photovoltaic power stations towards greater intelligence and scientific rigor.

Enhancing Efficiency through Innovative Models

With years of technical accumulation and innovation, CHINT O&M has made significant progress in multiple fields such as power-to-hydrogen coupling energy supply systems, photovoltaic hydrogen production, energy storage systems and control, photovoltaic power prediction, and microgrid mixed integer planning. We have developed a number of cutting-edge technical solutions, including "photovoltaic-energy storage-charging carports", "AC/DC coupling", "integrated source-grid-load-storage microgrids", "energy and carbon management platforms", and "intelligent comprehensive energy operation and maintenance".

Case **CHINT O&M Launched Integrated Green Carbon-Reduction Solution of "Wind, Solar, Hydrogen, Storage, and Charging"**

CHINT O&M, taking the CHINT Haining Park as a demonstration site, has launched an "integrated wind, solar, hydrogen, storage, and charging" energy internet solution. The team members spent five years achieving a key breakthrough in the research and application of the AC/DC hybrid microgrid technology for "integrated wind, solar, hydrogen, storage, and charging". This has led to a highly integrated solution for new energy low-carbon park control, protection, data acquisition and communication, data display, and energy management, thereby enhancing energy security and utilization efficiency. To address the volatility and randomness of clean energy generation, the comprehensive energy management platform's scheduling strategy ensures stable energy supply and efficient use of renewable energy, building a green and low-carbon park. The project won an award in the first Energy Electronics Industry Innovation Competition hosted by the Industrial and Information Technology Industry Development Promotion Center of the Ministry of Industry and Information Technology, highlighting CHINT O&M's strong research capabilities.

Case **CHINT O&M Launched the Comprehensive Energy Project of Wuxi Panasonic New Energy Park**

In November 2024, the Comprehensive Energy Project of Wuxi Panasonic New Energy Park developed by CHINT O&M was officially completed and put into operation. Covering an area of about 20,000 square meters with a total installed capacity of 2.98MW, the project ingeniously integrates rooftop photovoltaics, photovoltaic carports, a 10KV step-up substation, and a new energy vehicle charging system. After being put into operation, it can generate approximately 2.5 million kWh of electricity annually and charge eight new energy vehicles simultaneously, successfully achieving energy saving and carbon reduction. It has created an innovative example for the comprehensive energy utilization of parks and set a new benchmark for green parks.

Case **The Leqing Bay Shared Energy Storage Power Station, One of the First Batch of New Energy Storage Demonstration Projects in Zhejiang Province during the 14th Five-Year Plan Period**

New-type energy storage can play a peak-shaving role in the critical moments of power supply during peak summer periods and also promote the consumption of new energy during off-peak load periods. It has increasingly become an important support for China's construction of a new energy system and a new power system. "Developing new-type energy storage" has been written into the government work report. As a green energy asset management and service provider, CHINT O&M actively meets the market demands of the new power system. It ensures the reliable operation of power stations with professional operation and maintenance, improves operational efficiency, and contributes wisdom and strength to the safe and orderly development of the new energy storage industry.

In July 2024, the Leqing Bay Shared Energy Storage Power Station in Wenzhou, Zhejiang, which is operated and maintained by CHINT O&M, was connected to the grid and put into operation as the first batch of new energy storage demonstration projects in Zhejiang Province during the 14th Five-Year Plan Period. Phase I of the project has an installed capacity of 50,000 kilowatts and a storage capacity of 100,000 kilowatt-hours. During the operation and maintenance process, the professional team of CHINT O&M provided "one-stop" considerate services, from formulating operation management systems, emergency plans, and operating procedures, to conducting on-site inspections and meticulous equipment commissioning, and assisting with grid experimental tests. Meanwhile, they actively established operation and maintenance procedures for the power station, accurately identified maintenance projects for equipment, conducted hazard assessments and emergency response for electrical fires based on actual conditions, thoroughly identified risks and hidden dangers, and strictly controlled the incidence of safety accidents. Looking ahead, CHINT O&M will continue to focus on the energy storage field, providing strong momentum for the construction of a new energy system and the development of new productive forces.

Empowering Green Assets with Joint Green Actions

Addressing Climate Change

Governance

Our ESG governance organization systematically manages ESG material issues, including those related to climate change, identifies risks and opportunities, and undertakes effective responses.

At the decision-making level,

the ESG Committee is at the highest decision-making level of our climate governance. It is responsible for making the final decisions on climate change work, including formulating strategies, targets, and implementation plans for climate governance, as well as assessing and managing climate risks.

At the management level,

the ESG Management Team is the management body for responding to climate change. Its main responsibilities include developing climate governance strategies, development goals, and systems and processes. It also identifies and assesses climate risks and formulates corresponding work plans.

At the execution level,

the ESG Working Group is composed of department heads and ESG work coordinators. It is responsible for integrating climate governance work into each business module. It assesses the implementation of climate governance at the business level, executes risk prevention measures, and supports the implementation of the Company's climate governance strategies.

Strategies

Climate change has intensified the global demand for renewable energy and the transformation of the global energy structure, which provides long-term growth opportunities for enterprises while also bringing potential operational risks. As a green energy asset management and service provider, CHINT O&M does not directly hold green assets. However, it actively responds to the risks brought by climate change and seizes the opportunities it presents. By optimizing management, improving service quality, and strengthening risk prevention and control, CHINT O&M achieves value growth and long-term development in the process of responding to climate change.

Through industry research, business analysis, and other methods, CHINT O&M identifies and analyzes climate-related risks and opportunities. Based on the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD) framework, we have developed a list of climate-related risks and opportunities. We have identified a total of 13 items across 6 major categories of physical and transition risks, as well as 9 items across 4 major categories of policy, market, technology, and green finance opportunities.

Impact Analysis of Climate Risks and Opportunities

Risks/Opportunities		Potential Impacts
Physical Risks	Acute Risks	Natural disasters and extreme weather conditions, such as heavy rain, floods, and hurricanes, may affect: 1) The safe operation of equipment, which may even lead to equipment damage and data loss at the operation and maintenance site; 2) The occupational health and safety of labor personnel; 3) The project's delivery time.
	Chronic Influence	Rising temperatures, droughts, and extreme changes in climate patterns may increase the probability of equipment failure, affect power generation efficiency, and lead to increased operation and maintenance needs and costs. 1) The efficiency of photovoltaic modules decreases as temperature rises. Long-term high-temperature environments can lead to reduced power generation and accelerated aging of the modules; 2) Changes in wind speed distribution can result in reduced or unstable wind resources, which affect the power generation efficiency and operational stability of wind turbines; 3) High-temperature environments can accelerate the capacity degradation of energy-storage batteries, shorten their lifespan, and increase the frequency of replacements and maintenance costs.
Transition Risks	Policy and Legal Risks	1) Environmental regulations are becoming increasingly stringent. Some countries may introduce regulatory requirements for the full lifecycle carbon footprint of new energy projects, requiring service providers to demonstrate the low-carbon nature of their services; 2) Policies on land use and ecological protection may impose higher demands on the management of green energy assets. For example, there may be restrictions on cleaning methods, noise levels, and bird protection. Service providers will need to invest more resources to meet these compliance requirements.
	Technical Risks	1) Climate change increases the complexity of operation and maintenance for green energy assets (such as frequent occurrences of high temperatures, droughts, and extreme weather), which requires service providers to enhance intelligent technologies. In case of the failure to keep pace with technological upgrades in a timely manner, we will be at a competitive disadvantage in the market; 2) Climate change makes the operating environment of green energy assets more complex. Asset managers need to rely on big data and artificial intelligence technologies for predictive maintenance. Without the ability to manage and analyze data, they will not be able to provide efficient operation and maintenance services; 3) Green energy equipment manufacturers may introduce new types of equipment that are better adapted to climate change. Asset management service providers need to quickly master the maintenance techniques for these new devices in order to obtain service opportunities.
	Market Risks	Customers' requirements for services are gradually increasing, demanding more intelligent asset management solutions with higher efficiency and lower costs.
	Reputation Risks	In the context of the global transition to a low-carbon economy, the ESG performance of service providers (such as carbon footprint, water use, and ecological protection) may become a focus of attention for customers and the public. If asset management service providers fail to take lo-carbon measures, they will face reputational risks.

Climate-related Opportunities	
Policy Opportunities	The carbon neutrality goal and environmental regulations increase the demand for operation and maintenance services: 1) Driven by the global carbon neutrality goal, the installed capacity of new energy is growing rapidly, leading to an increase in operation and maintenance needs; 2) Incentive policies introduced by the government provide assurance for the long-term operation of new energy assets; 3) With the compilation of the *Environmental Protection Code* and the implementation of the *Energy Law*, stricter laws and regulations require new energy asset operators to enhance operation and maintenance management and provide more professional services.
Market Opportunities	The expansion of new energy asset scale brings market growth 1) As new energy assets enter the maturity phase of their life cycle, the demand for equipment maintenance and upgrades increases, providing new business opportunities; 2) The rapid growth in demand for new energy in emerging markets offers broader space for business expansion; 3) There is an increasing demand from customers for integrated energy management services.
Technology Opportunities	The application of intelligent and digital operation and maintenance technologies establishes a moat for high-quality corporate development: 1) Climate change increases the complexity of O&M for new energy assets, driving the application of intelligent technologies such as drone inspection, robotic cleaning, and predictive maintenance. Through technological upgrades, CHINT O&M can improve operational efficiency, provide more precise services, achieve differentiated competition, and establish a business moat.
Green Finance Opportunities	Green finance support and business model innovation: 1) Climate change is driving the development of green finance. Service providers can alleviate the financial pressure of technological upgrades and market expansion through green financing; 2) The development of the green electricity market offers service providers more opportunities for innovative service models, helping asset owners optimize resource management and enhance service value.

Risk Management

To optimize resource allocation, ensure business continuity, and enhance facility resilience, the Company has improved its response strategies after identifying the risk list and continues to address climate change.

Risks/Opportunities		Mitigation/Adaptation Ways
Physical Risks	Acute Risks	1) Enhance monitoring and early warning for extreme weather conditions (such as typhoons, heavy rain, and blizzards), take preventive measures in advance (such as shutdown protection and equipment reinforcement), and develop emergency response plans for extreme weather to ensure rapid restoration of equipment operation after a disaster and minimize downtime; 2) Strengthen data security by conducting multi-location data backups and carrying out disaster recovery drills for data security to guard against data loss; 3) Under extreme weather conditions, establish strict safety operating procedures to ensure the life safety of operation and maintenance personnel, and ensure that they comply with national occupational health standards at workplaces. Provide heatstroke prevention and cooling supplies, conduct regular health checks for employees, and pay attention to potential health issues caused by high-temperature environments; 4) Make scientifical project delivery schedules to avoid late project delivery.
	Chronic Influence	1) Responding to high-temperature environments: Optimize equipment design and operation, use heat-resistant materials, and adjust operating strategies; 2) Addressing drought and dust accumulation issues: Employ efficient cleaning technologies to reduce dependence on water resources, and optimize site management and plant drought-resistant vegetation to mitigate the impact of sandstorms on equipment; 3) Enhance wind and solar resource forecasting, optimize resource management plans, and improve operational efficiency.
Transition Risks	Policy and Legal Risks	1) Under the guidance of the ISO 14001 Environmental Management System, systematically identify applicable laws and regulations, industry standards, and technical specifications, and dynamically track regulatory updates; 2) Provide environmental regulation training for employees to enhance their legal awareness and compliant operation capabilities; 3) Establish a corporate carbon emission accounting system, set emission reduction targets based on the Company's actual situation, and gradually reduce carbon emission intensity year by year; 4) Keep an eye on the dynamics of the carbon trading market, learn carbon trading rules and policies, and reasonably participate in green electricity trading and the carbon trading market.
	Technical Risks	1) Continuously strengthen the research and application of intelligent technologies, enhance R&D advantages through industry-university-research cooperation with universities and scientific research institutions, and establish an intellectual property management system to strengthen intellectual property protection; 2) Organize regular technical training for employees to ensure they master the latest equipment maintenance technologies and intelligent operation and maintenance tools, and enhance the team's technical adaptability.
Transition Risks	Market Risks	1) Provide services throughout the entire life cycle of new energy assets, and offer energy-saving technological transformation and expert diagnostics for mature assets; 2) Implement an international strategy to expand business and diversify regional market risks; 3) Offer one-stop services ranging from equipment maintenance to energy optimization, energy-storage management, and carbon emission management to meet diverse customer needs; 4) Provide high-value-added services such as predictive maintenance, performance optimization, and asset evaluation to enhance customer loyalty; 5) Increase service transparency and improve customer satisfaction through intelligent management platforms and rapidly responsive service teams.
	Reputation Risks	1) Conduct transparent information disclosure through multiple channels such as ESG reports and the official website, and promptly respond to the concerns and demands of stakeholders regarding CHINT O&M's climate performance; 2) Actively participate in various exchanges and discuss topics such as climate change and high-quality industry development with stakeholders.

Indicators and Targets

As a non-high energy-consuming enterprise, CHINT O&M has always deeply integrated energy management into its daily operations. In spite of limited direct energy consumption, a series of management measures, such as promoting energy-saving lighting in office areas, reasonably regulating air conditioning, and using new energy vehicles, can effectively improve energy utilization rates and reduce operating costs. In terms of carbon emission management, we have independently conducted our own calculations of Scope 1 and Scope 2 greenhouse gas emissions data in 2024, in response to greenhouse gas emission targets of China and CHINT Group.

Direct Greenhouse Gas Emissions (Scope 1)

511.01 tCO2e

Indirect Greenhouse Gas Emissions (Scope 2)

1012.86 tCO2e

Total Greenhouse Gas Emissions

1523.87 tCO2e

Key Performance

Gasoline consumption decreased by

0.49% year-on-year

Purchased electricity consumption decreased by

0.18% year-on-year

Gasoline consumption decreased by

2.76% year-on-year

New energy vehicles are being used in the park. Increase

11 new energy vehicles in 2024, and increased

35 new energy vehicles in total over the past three years

Practicing Green Operation and Maintenance

Environmental Compliance Management

As a green energy asset management service provider, compared with traditional manufacturing enterprises, our environmental impact is relatively small. Renewable energy facilities, such as wind power and photovoltaic energy, produce almost no greenhouse gases, wastewater, or waste gas emissions during operation. During our operation and maintenance activities, we also improve energy production efficiency and extend the service life of equipment through regular inspections, troubleshooting, and performance optimization, thereby further reducing resource waste and environmental burden. In spite of small environmental impact, CHINT O&M still attaches importance to environmental compliance. In terms of organizational construction, our senior management develops the Safety Production Committee and establishes an EHS Office to take overall charge of environmental management-related affairs. Adhering to a green, energy-saving, and environmentally-friendly policy, we have obtained the ISO 14001 Environmental Management System certificate.

CHINT O&M has developed an emergency response plan for environmental pollution accidents in accordance with relevant laws and regulations such as the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on Emergency Response to Sudden Incidents, and the Compilation Guide for Special Emergency Plans of Power Enterprises. The plan follows the principles of "safety first, prevention paramount, and comprehensive management" and combines defense with rescue. In terms of organizational structure, the plan clarifies unified leadership and division of responsibilities, emphasizing coordination and cooperation among departments to achieve a rapid response mechanism. The Company has also prepared corresponding emergency materials to ensure that rescue and disposal work can be carried out in a timely manner in case of emergency, providing material support for dealing with sudden environmental incidents. In the event of a sudden environmental pollution accident, the Company can implement rescue operations in an orderly and efficient manner to minimize the losses caused by the accident and reduce the impact on the safety of employees' lives, corporate property, and social stability to the lowest possible level.

The Company also focuses on improving environmental risk prevention and management, actively establishing a management mechanism for environmental risk prevention and control. Through the Environmental Factor Identification Form, we comprehensively identify relevant environmental factors and effectively manage various aspects of power station operations, including energy consumption, wastewater and exhaust gas emissions, and the generation and disposal of hazardous waste. There were no administrative penalties for environmental issues during the reporting period.

To enhance employees' environmental awareness and understanding of environmental regulations and corporate environmental policies, CHINT O&M actively organizes environmental protection training and publicity among employees. We provide comprehensive teaching facilities and materials, prepare training courseware, print relevant regulatory documents and case collections, etc. In 2024, environmental protection training was fully implemented at all project sites. A total of 3,735 EHS training sessions were completed in 2024, with participation exceeding 30,000 person-times. Among them, the environmental training mainly centered on environmental protection laws, emphasizing the importance of environmental compliance, clarifying the compliance obligations of enterprises and individuals in environmental protection work, and the consequences of non-compliance. This enables employees to more consciously follow environmental requirements and regulate their behavior in daily work.

Green Management of Power Stations

requiring harmless treatment rate for solid waste

100 %

Waste disposal

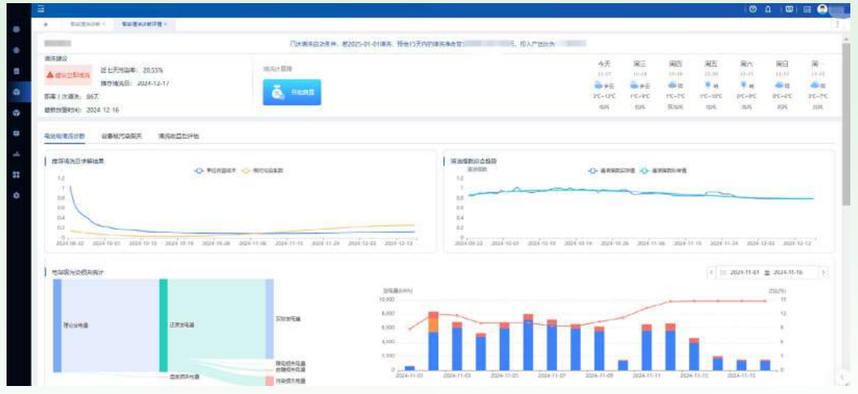
During the maintenance and management of new energy facilities, CHINT O&M may produce a small amount of hazardous waste from spent lead-acid batteries. The Company has established the Hazardous Waste Management System to regulate the declaration, transportation, storage, and disposal of hazardous waste. The Company also assists customers with the recycling of retired components and has set environmental goals, requiring 100% harmless treatment rate for solid waste.

Water resources management

During the maintenance and management of new energy facilities, no wastewater or industrial sewage is discharged. The water used in our operation and maintenance projects is mainly domestic water, sourced from the municipal water supply systems of each project site. No issues regarding the availability of suitable water sources was reported.

Case **Intelligent Cleaning Services Provided by CHINT O&M Reduced Water Consumption Scientifically**

Multiple studies and practical cases have confirmed that intelligent cleaning systems, by monitoring the soiling level of photovoltaic panels in real time, can precisely control the cleaning frequency and avoid unnecessary waste of water resources. CHINT O&M's intelligent cleaning is an innovative and practical technical service aimed at providing efficient, precise, and intelligent cleaning solutions for photovoltaic power stations and other new energy facilities. Our platform incorporates dust early warning and module cleaning models to offer scientific guidance on cleaning strategies for power stations. Relying on advanced intelligent perception technologies, the cleanliness of module surfaces is monitored in real time. Through high-precision dust sensors and image recognition modules, we accurately judge the degree of dust coverage and the type of stains. By calculating the impact of dust on system efficiency and power generation, we offer scientifical guidance on the cleaning strategy of the power station. Cleaning robots are then scheduled to automatically perform cleaning or sweeping tasks based on pre-set parameters, maintaining the optimal power generation performance of photovoltaic modules. In addition, CHINT O&M's intelligent cleaning service allows for remote control and management. Operation and maintenance personnel can monitor the cleaning progress and equipment operation status anytime and anywhere through a monitoring platform on their mobile phones or computers. They can also issue remote commands, greatly enhancing the convenience and flexibility of operation and maintenance management and ensuring the continuous and efficient power generation of photovoltaic power stations.



Biodiversity protection

In the context of increasing urgency of global ecological protection, CHINT O&M actively responds to the call for green development and demonstrates a firm belief in ecological protection through concrete actions. During our operations, we have put forward specific requirements for ecological and environmental protection: prohibiting the use of bird repellents and herbicides; implementing neutralization treatment or professional recycling for acidic/alkaline cleaning agents; strictly protecting local soil quality, water source safety, and ecosystem integrity.

From the wind-swept and sand-battered Kubuqi Desert to the harsh edges of the Taklamakan Desert, CHINT O&M has implemented a series of innovative and forward-looking measures during the operation of projects such as agrivoltaics, photovoltaics on sandy land, and photovoltaic-aquaculture. While achieving economic benefits, we pursue the maximization of ecological benefits, writing a beautiful chapter in ecological protection.

Synergistic Development of Agriculture and Energy

In agrivoltaic projects, photovoltaic panels are installed above farmland to generate electricity without affecting agricultural production, achieving three-dimensional land use, ensuring the growth of crops and the stability of the agricultural ecosystem, and increasing the supply of clean energy. Meanwhile, the shading effect of photovoltaic panels can regulate the microclimate of farmland to some extent, reduce water evaporation, and enhance the drought resistance of crops, providing a relatively stable habitat for insects, birds, and other organisms in the farmland.

Desert Control and Ecological Restoration

The operation and maintenance team of CHINT O&M supported the management of the Hangtai Power Station in Dalate Banner from scratch, creating an oasis and a blue sea in this sandy land. This is China's first standardized desert control project, which leases wasteland for construction and adopts a new integrated ecological solar desert control model of "desert control + grass planting + breeding + power generation + poverty alleviation". The project combines ecology with industry and corporate development with ecological governance by respecting natural, economic, and industrial laws. Relying on the abundant solar and land resources of the Kubuqi Desert, we explore a new model of "PV + ecological control", planting economic forests such as Amorpha fruticosa and Caragana korshinskii between the photovoltaic panels and the ground, creating a green ecological power station that generates electricity on the panels and plants crops underneath. The photovoltaic panels help reduce water evaporation to support vegetation growth, while the vegetation prevents wind erosion and protects the photovoltaic arrays. After years of efforts, the desert has been transformed into an oasis, effectively protecting the local wildlife habitats.

Grassland Restoration and Photovoltaic Synergy

The Alar Photovoltaic Base adopts a "grass-PV complementary" model. Based on the native plants, the Alar City Natural Resources and Planning Bureau has compiled and reviewed a grassland vegetation restoration plan. Halophytes, alkali grass, and Suaeda are used as restoration grass species. A professional team carries out reseeding, fertilizing, and irrigation to promote the growth of both the native retained plants and the reseeded grass species. This approach drives the coordinated development of the photovoltaic power generation industry and the ecological restoration of degraded grasslands, creating a vibrant and lush green landscape. The shading effect of photovoltaic panels can reduce water evaporation by 20% to 30%, which not only promotes the growth of grass species but also effectively improves the growth environment for desert plants, reduces dust, and aids in the natural ecological restoration of desertified areas.

Win-win Strategy for Fishery and Energy

The photovoltaic-aquaculture projects integrate photovoltaic power generation with aquaculture. Photovoltaic panels are installed above fish ponds to provide clean energy for fishery production. Meanwhile, the shading effect of photovoltaic panels lowers the water temperature of fish ponds in summer, reduces algal proliferation, improves water quality, and provides a more suitable living environment for fish and other aquatic organisms, contributing to the sustainable development of fishery resources and enriching the biodiversity of the aquatic ecosystem.

Advocating green office

CHINT O&M actively practices the concept of green office and creates an energy-saving and environmentally-friendly office model in all aspects.

Electricity Conservation

The Company strongly advocates that employees save electricity and resolutely eliminate wasteful behaviors such as "lights on all the time" and "leaving equipment on for extended periods". Each employee is required to turn off the lights and office equipment promptly when leaving the office after work or being away for an extended period.

The Company flexibly adjusts the indoor temperature according to seasonal changes, makes full use of natural ventilation during appropriate periods, and uses air conditioning moderately, striving to create a comfortable working environment while maximizing energy conservation.

Paper Conservation

The Company encourages the habit of double-sided printing to maximize paper usage efficiency and significantly reduce the consumption of disposable items to minimize resource waste and waste generation.

Since 2022, the Company has adopted the Contract Lock platform, achieving full electronic processing of contracts, which has notably reduced paper consumption, carbon emissions from printing equipment, and the frequency of logistics transportation. Statistics show that from the launch of electronic signatures to the end of the reporting period, a total of **8,448** documents have been successfully signed, saving approximately **169,776** sheets of paper. These achievements have effectively propelled the Company towards a greener and more sustainable direction.

Picturing a Green Future

CHINT O&M has been committed to promoting sustainable development and energy transformation, and safeguarding the safe and stable operation of green energy in the deserts, mountains, lakes, seas, and on the rooftops of urban neon lights. With the blueprint of a "green future" and innovation and technology as its driving forces, CHINT O&M actively deploys across the country to promote green energy, enhances the utilization efficiency of national clean energy, and contributes to society and the environment. Looking ahead, CHINT O&M will continue to strengthen the integration of green energy and digital technology, carry out green innovation, help achieve carbon neutrality goals, and build a low-carbon ecological environment.

Expanding green energy business across China

CHINT O&M provides comprehensive operation and maintenance services across all regions, types, and voltage levels. It is capable of managing a variety of new energy assets, including wind power, PV, and energy storage, and covering a wide range of complex scenarios such as mountains, deserts, offshore areas, and industrial parks. Benefiting from its professional technical team and intelligent operation and maintenance platform, CHINT O&M offers customized solutions based on the characteristics of different terrains and environments, expanding green energy business across China.

Successful Cases of Photovoltaic Operation and Maintenance

Commercial and Industrial Distributed Project - 10MW Photovoltaic Power Station at Hangzhou East Station

By installing photovoltaic modules on the roof of the station and other idle spaces, clean electricity is provided for the station and its surrounding areas, effectively integrating renewable energy with commercial facilities and reducing carbon emissions. As a commercial and industrial distributed photovoltaic project, it not only supports the local supply of green energy but also improves the energy efficiency of commercial real estate, making a positive contribution to sustainable development.

Coastal Mudflat Photovoltaics - Wenzhou Taihan 550MW Mudflat Power Station

By constructing a photovoltaic power station in the mudflat area and utilizing the coastal mudflat resources for clean energy generation, the project makes effective use of marine resources and avoids occupying agricultural land. The construction of the project not only significantly improves the land use efficiency of the mudflat area but also promotes the production of green energy and reduces dependence on traditional energy sources.

Large-scale Ground-mounted Power Station - 200MW Photovoltaic Power Station at Yongchang, Gansu

The Yongchang area enjoys abundant sunshine and high photovoltaic power generation efficiency. The project fully utilizes local abundant solar energy resources. By laying out high-efficiency photovoltaic modules on a large area of land, it converts solar energy into clean electricity, making a positive contribution to the green transformation of regional energy structure, and promoting economic development and job growth.

Roof BIPV Project - 30MW Large Roof BIPV of Ningbo Jintian Copper

By using Building Integrated Photovoltaics (BIPV) technology, the project integrates photovoltaic power generation with the roof structure of factory buildings, innovatively achieving seamless integration of photovoltaic modules with buildings. Thus, we not only effectively utilize idle roof resources but also avoid occupying valuable land space. The project provides sustainable clean energy for Jintian Copper, reduces energy costs, and decreases carbon emissions, promoting green and low-carbon transformation of the enterprise. As a large roof BIPV project, it demonstrates the deep integration of industrial plants with renewable energy, with significant environmental, economic, and social benefits.

Successful Cases of Wind Power Operation and Maintenance

100MW Beita Mountain Wind Farm

The construction of the wind farm fully leverages superior wind energy conditions of the Beita Mountain area. By installing large-scale wind turbines, it converts wind energy into clean electricity. The core objective of the project is to provide renewable energy to local area, reduce dependence on traditional fossil fuels, and promote the green transformation of the regional energy structure.

50MW Dachaidan Wind Farm

The Dachaidan area is rich in wind energy resources and has favorable conditions for wind power generation. The construction of the wind farm relies on the natural geographical advantages of Dachaidan, with multiple high-efficiency wind turbines installed to convert wind energy into clean electricity and support the green transformation of the regional energy structure.

200MW Huayi Huajun Wind Farm

Located in a region with abundant wind energy resources as an important wind power project. by introducing advanced operation and maintenance technologies and intelligent management systems, the wind farm has improved its operational efficiency and equipment stability. The operation and maintenance team of CHINT O&M uses big data, IoT, and AI to monitor the status of wind power equipment in real time, predict faults, and offer preventive maintenance, ensuring the long-term stable power generation and safe operation of the wind farm.

200MW PowerChina Wangyangtai Dongfeng Wind Farm

The wind farm is designed and constructed to fully utilize the local wind energy resources and promote the sustainability of clean energy. CHINT O&M adheres to the operation and maintenance model of “centralized monitoring, integrated operation and maintenance, and intensive maintenance” in the operation and maintenance management. The Company also implements regional control, promotes centralized and unmanned management, focuses on improving the power generation efficiency of wind turbines, and reducing operation and maintenance costs, ensuring the stability and safety of power supply.

Extending the lifespan of green energy throughout the entire life cycle

New energy power stations are usually long-term investment projects lasting more than 25 years. CHINT O&M provides full-lifecycle intelligent operation and maintenance as well as multi-effect value-added services for assets, ensuring stable power generation of new energy power stations for 25 years and even up to 40 years. By doing so, we achieve a comprehensive upgrade from fixed assets and data assets to ecological assets, thereby enabling customers to obtain higher asset returns.

Power stations of 1-3 years

- Technical consultation
- Environmental assessment
- System selection and configuration
- Investment evaluation
- Technical due diligence
- Quality supervision
- Acceptance evaluation
- Grid connection support

Power stations of 3-8 years

- Basic operation and maintenance
- Entrusted operation and maintenance
- SAAS platform
- Power station monitoring and evaluation
- Power station optimization
- Troubleshooting
- Cleaning and weeding
- Electricity transaction

Power stations of over 8 years

- Technological transformation of power stations
- Assets appraisal
- Power station rating
- Renewable investment
- Asset transaction

Case **CHINT O&M Revitalized Existing Power Station Assets and Achieved Value Improvement through "Technological Transformation and Enhancement"**

By the end of 2023, cumulative installed PV capacity had exceeded 600 million kilowatts in China. The industry has gradually entered a critical stage of transitioning from incremental market to existing market. Some existing PV power stations, which have entered the maturity phase, are facing issues such as equipment aging, safety hazards, and increasing maintenance costs. These factors, when combined, significantly impact the efficiency improvement of the power stations.

Confronted with the complex diagnosis and transformation projects, the cumbersome procurement processes for components and equipment, and the difficulty of preventing frequent unexpected failures in existing power station projects, CHINT O&M has adopted an intelligent full-station detection and transformation approach. Based on the fundamental logic of improving the power generation capacity and efficiency of the power stations, this approach aims to explore the maximum potential power generation capacity of existing power stations. According to the differentiated needs of different power stations, CHINT O&M provides both standard butler-style service packages and customized exclusive packages to help power stations achieve quality improvement and efficiency enhancement.

Types of technological transformations of power stations:

Benefit-oriented Technological Transformation

Engage in equipment updates, renovations, and upgrades to enhance the power generation capacity and efficiency of power stations, reduce the levelized cost of electricity (LCOE), and increase the internal rate of return (IRR).

Production-oriented Technological Transformation

Engage in system upgrades to enhance the reliability of power station equipment and meet the assessment requirements of the dispatching authority for the power station.

Safety-oriented Technological Transformation

Provide comprehensive technological transformation services to address the weak safety links of power stations.

Full-process Systematic Technological Transformation Services

Power Station Diagnosis Report

A comprehensive health checkup of the power station is organized according to customer needs, and the power station health checkup report and health score are obtained.

·Design document assessment
·System efficiency testing
·Operational status analysis
·In-depth power station evaluation

Technological Transformation Scheme Design

Each anomaly in the health checkup report is analyzed and investigated, and the technological transformation scheme is optimized from multiple dimensions such as design, construction, and product selection.

·Owner demand analysis
·Multiple scheme designs
·Best scheme selection

Construction Process Control

Onsite transformation is rapidly completed according to the requirements of drawings and other documents, and "silent" power-loss-free control is implemented.

·Power construction qualification
·Project progress control
·Onsite construction supervision
·Safety and quality assurance

Delivery of Technological Transformation Projects

After the construction is completed and the transformation project passes the acceptance inspection, it is officially handed over to the customer, and data is generated after the transformation.

·Confirmation of construction results
·System power-on operation
·System matching rectification
·Construction contract acceptance

Assessment after Technological Transformation

After the comprehensive technological transformation is implemented, tracking and assessment are carried out. Actual data is extracted and analyzed, and compared with the expected values to see if the design values are reached, thereby achieving closed-loop management.

·System efficiency testing
·Comparison before and after transformation
·Fault and defect records
·Operational status analysis

Case **Assisting Post-Disaster Power Station Restoration and Protecting Owners' Asset Value**

In September 2024, the super typhoon Yagi made landfall in Hainan, becoming the strongest typhoon to hit China in the autumn since 1949. With maximum winds of over 17 on the Beaufort scale and a pressure of up to 300 kg/m2 in the vertical direction, the typhoon caused severe damage to photovoltaic panels, substations, and wind turbines in Haikou, Wenchang, and other areas. After the typhoon, how to quickly and effectively restore the damaged photovoltaic power stations, ensure operational safety, and restore power generation efficiency became a common concern in the industry. As a green energy asset management service provider, relying on its rich industry experience, CHINT O&M provided a series of targeted solutions for the damaged photovoltaic power stations: For timely post-disaster response, immediately launch drones to conduct aerial inspections of the damaged power stations, and quickly generate panoramic images to accurately assess the losses; comprehensive equipment maintenance and repair are made to identify and eliminate potential safety hazards, and damaged components of power stations and upgraded inverters are immediately replaced for full-scale post-disaster restoration.

Facilitating Value Enhancement of Green Assets

In recent years, China has set the goals of achieving "carbon peaking" by 2030 and "carbon neutrality" by 2060, vigorously promoting the transition to green and low-carbon development. Therefore, CHINT O&M has actively responded to carbon peaking and carbon neutrality policies and taken a series of effective measures. In terms of green electricity trading service model, the Company boasts a professional green electricity trading service team to conduct extensive research on the rules and dynamics of domestic and international green electricity trading markets and to tailor green electricity trading plans for customers. The team assists various enterprise customers in participating in the green electricity trading market, help customers purchase green electricity certificates, ensure the green attributes of enterprise electricity use, enhance the competitiveness of enterprises in sustainable development, effectively promote the increase of renewable energy in the energy consumption structure, and drive the rapid transformation of the energy structure towards low carbon. Meanwhile, for power generation enterprises, the Company provides comprehensive green electricity trading consulting services and help them optimize their electricity sales channels as an agent, accurately connecting with electricity demand-side parties, maximizing the value of green electricity, and assisting power generation enterprises in achieving a win-win situation of economic and environmental benefits under carbon peaking and carbon neutrality goals.

Maximizing Efforts for Win-win Results

02

CHINT O&M has built a platform for talent development, cultivating talents for itself, the industry, and the whole society. Joining hands with industry partners, the Company makes technological contributions to the third world. By continuing from poverty alleviation projects to rural revitalization projects, we enhance social value through green energy assets, engage in public welfare undertakings, and promote energy equity, social welfare, and industrial development.

Response to the United Nations Sustainable Development Goals:

Promoting Talent Cultivation and Stimulating Development Momentum

Talent Attraction and Assurance

Talent Attraction

High-quality talents are the key to ensuring efficient and safe operations of green energy assets and driving technological innovations. Focusing on talent attraction, talent cultivation, and talent retention, CHINT O&M provides ongoing training and career development opportunities to promote the development of human resources and the long-term growth of the Company itself.

CHINT O&M adheres to the principles of fairness, transparency, and merit-based selection in talent recruitment and employment. Leveraging a variety of recruitment channels, the Company supports the introduction and internal mobility of high-quality talents.

- Recruitment Websites: Attract high-quality talents through multiple channels.
- Campus Recruitment: Reserve backup management trainees and operation and maintenance engineers for the Company.
- Internal Referral: Attract excellent talents by tapping into social networks of current employees.
- Internal Competition: Select high-quality personnel from within to fill key positions.
- Internal Secondment: Provide certain incentives to employees to promote internal mobility and support urgent projects.

Key Performance

Total number of in-service employees at the end of the reporting period:

1973

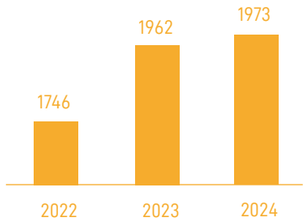
Proportion of new employees:

27.47%

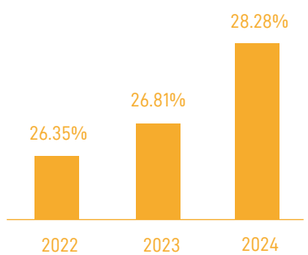
Proportion of employees with bachelor degree and above

28.28%, increasing year by year since 2022.

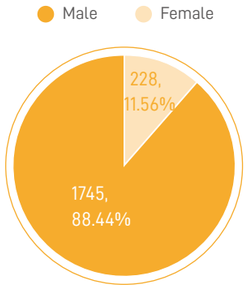
Total Number of In-service Employees at the End of the Reporting Period



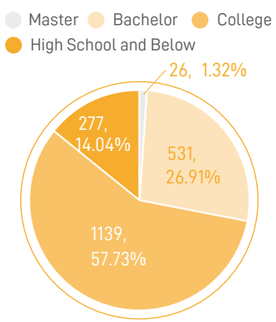
Proportion of Employees with Bachelor Degree and Above



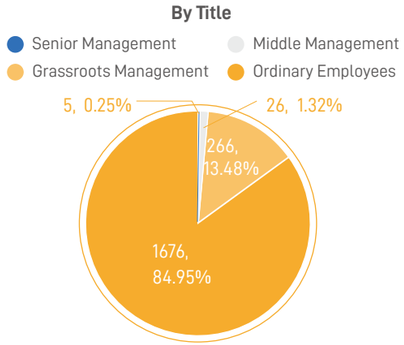
By Gender



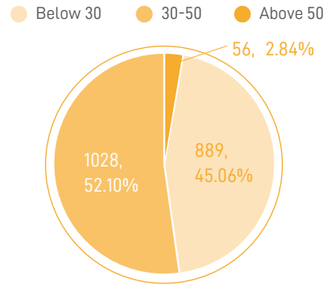
By Education Background



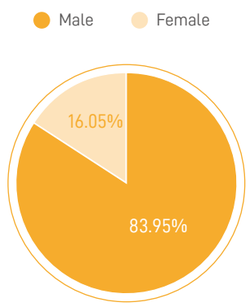
By Title



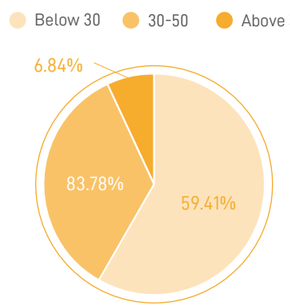
By Age



Proportion of New Employees by Gender



Proportion of New Employees by Age



Case Taking Responsibility for Stable Employment and Providing a Broad Platform for Graduates

Campus recruitment is a crucial link in attracting talents. In 2024, CHINT O&M's campus recruitment, centered in Hangzhou, covered 10 provinces and cities, 26 universities, showing presence in 29 campus job fairs. It received a total of 1,500 resumes from job-seeking graduates, building a comprehensive and rich talent reserve. In the context of promoting stable and secure employment for college graduates, CHINT O&M provides career guidance for newly-hired graduates, including role transition, career planning, mentorship, and job-specific training, helping graduates to quickly get started and transform rapidly. Through departmental rotation, internal evaluation, and targeted training, the Company empowers graduates to become capable business backbones, offering them a broad platform to grow together with the Company.

Democratic Management

CHINT O&M strictly complies with legal and regulatory requirements and has established a trade union organization in accordance with the law. It has systematically built a sound trade union organizational structure, accurately set up a trade union committee and related supporting institutions. This creates a solid organizational foundation for employees to participate in trade union activities in an orderly manner and fully express their demands, ensuring that the trade union effectively assumes the important responsibility of representing employees' interests and safeguarding their rights and interests. The election of trade union committee members is rigorous and standardized. The Company always adheres to the principles of openness, fairness, and justice in the election process, which is strictly carried out in accordance with legal procedures. All employees participate in voting with a serious and responsible attitude, and elect representatives who are highly respected based on their own wishes. The elected representatives form a trade union committee that is capable of handling practical matters and taking on important responsibilities. This committee is deeply involved in the Company's management and decision-making processes, comprehensively safeguarding employees' rights and interests, and effectively promoting internal democratic management to a new level.

The Company shows respect for employees' right to freedom of association. Employees can join or form trade unions and other organizations according to their own wishes. The Company neither interferes with nor discriminates against or retaliates against them. In terms of collective bargaining, the Company is willing to engage in equal, fair, and good-faith negotiations with employee representatives to discuss matters such as labor remuneration, working hours, and welfare benefits.

Rights Protection

CHINT O&M supports global human rights and labor policies, strictly abides by labor laws and regulations of the countries and regions where it operates, ensures the diversified development of employees, and respects employees' demands for fairness, justice, and equal opportunities. Meanwhile, the Company builds a positive employment environment in terms of human rights protection and anti-discrimination.

Key Performance

Signing rate of labor contracts:	Proportion of employees covered by social insurance:	Number of labor disputes:
100%	100%	0

Prohibition of Child Labor

CHINT O&M strictly complies with national laws and regulations, firmly prohibits the employment of child labor, and actively cooperates with local labor supervision departments to ensure compliance in employment practices.

Human Rights Protection

CHINT O&M firmly believes that everyone is entitled to equal rights. Respecting and safeguarding human rights is one of our core values. We are committed to creating a fair, just, and inclusive work environment.

Anti-Discrimination

All employees are given equal opportunities based on their abilities and contributions, free from any discrimination based on race, color, gender, religion, political opinions, national origin, or social background.

Equal Opportunity

Recruitment is primarily based on ability and job matching degree, ensuring that all qualified candidates have a fair chance to compete. In job postings, the Company clearly states that it is an equal opportunity employer and will not discriminate against any applicants based on race, color, gender, etc. The recruitment process follows standardized interview procedures and evaluation criteria, with all applicants going through the same stages, such as initial screening, interviews, and skills tests. The Company actively broadens recruitment channels to attract talents from diverse backgrounds.

Diversity

A promotion review panel has been established, comprising representatives from different departments and backgrounds, to ensure the fairness and comprehensiveness of the review process.

Transparent Systems

Employees are promoted based on performance, ability, and potential, ensuring a fair and transparent promotion process. The system follows clear promotion criteria and procedures, including multiple dimensions such as performance evaluation and skills assessment.

Maternity and Paternity Leave

Employees are entitled to maternity leave, paternity leave, and other related benefits in accordance with the law.

Key Performance Indicators	Unit	Male	Female	Total
Total number of employees who took maternity/paternity leave in 2024	person	56	18	74
Total number of employees who returned to their positions within the reporting period after their maternity/paternity leave ended	person	56	18	74
The return-to-work rate of employees who took maternity/paternity leave	%	100	100	100
Total number of employees who returned to their positions after their maternity/paternity leave and remained employed 12 months later	person	53	15	68
Retention rate of employees who took maternity/paternity leave	%	94.64	83.33	91.89

Salaries and Benefits

CHINT O&M offers competitive salaries to support the long-term development of employees, ensuring that the efforts of each employee are reasonably rewarded. The Company has developed a comprehensive salary adjustment plan and a year-end bonus system to motivate employees' long-term contributions. Employees are entitled to housing provident fund and regular company-funded health checkups, which show our concern for employees' health and quality of life. The park where the Company is operated is equipped with a canteen and a gym, providing a variety of dining options and fitness facilities. The Company regularly organizes fun sports meetings, summer camps and other cultural and sports activities to create a healthy and pleasant working atmosphere.

Employee Activity

Employee Benefits

CHINT O&M paid attention to employees' mental health, organized mental health training, and enhanced the sense of happiness in the workplace and employees' sense of belonging

Diversity and Inclusiveness

CHINT O&M embraces the concept of diversity and inclusion, and deeply recognizes the significance of gender equality in corporate operations and continuous development process. We are committed to fully implementing the concept of gender equality within the Company, from the recruitment stage to employee training and development, and then to the promotion mechanism. Through a series of measures, we ensure that female employees have equal opportunities, setting a benchmark for gender equality practices in the industry.

Key Performance

Proportion of female employees among senior management:

20%

Proportion of female employees among middle management:

23.08%

Proportion of female employees among middle management:

4

Recruitment Stage (Eliminating Gender Bias)

When establishing recruitment criteria, we ensure that job requirements are based on work-related skills, knowledge, and experience, rather than gender-related factors. We prohibit the establishment of male-dominated positions in the recruitment process to ensure equal employment opportunities for all genders. Additionally, we provide anti-bias training for the recruitment team, enabling recruiters to objectively assess the abilities of each candidate.

Equal Opportunity Publicity

In job postings, we clearly express our commitment to gender equality and use inclusive language to attract female job seekers. For example, we emphasize that the Company provides equal career development opportunities regardless of gender.

Training and Development

We provide female employees with the same professional skill training opportunities as male employees.

Fair Promotion Mechanism

We establish a transparent and performance-based promotion mechanism. We ensure that promotion decisions are based on employees' work performance, abilities, and contributions. In the promotion evaluation process, we develop a diversified evaluation panel to avoid the bias that may arise from a single-gender-dominated assessment process. For example, the promotion evaluation panel includes representatives of different genders and departments, assessing employees' overall performance from multiple perspectives.

Case **CHINT O&M Organized the International Women's Day Celebration Themed "As Beautiful and Gentle as Ten Miles of Spring Breeze"**

CHINT O&M has always integrated employee care and the concept of gender equality into its corporate culture. To celebrate International Women's Day on March 8th, the Company planned the "As Beautiful and Gentle as Ten Miles of Spring Breeze" event for female employees, aiming to provide a special festival experience for female employees while reinforcing the atmosphere of gender equality within the Company and enhancing employee cohesion and sense of belonging.

Employee Training and Development

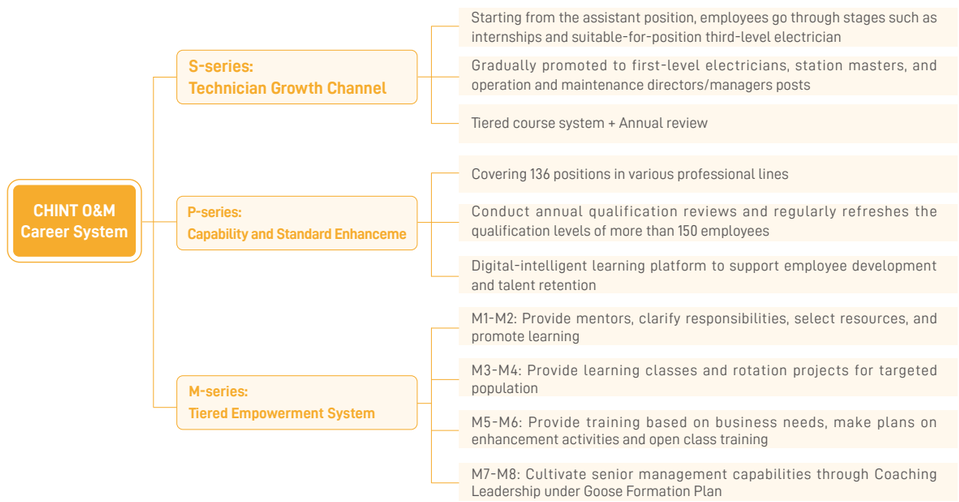
Career Development

CHINT O&M's career development system covers the S-series, P-series, and M-series, aiming to provide employees with clear, diverse, and challenging career development paths to comprehensively enhance their overall quality and professional abilities. This, in turn, strongly promotes our sustainable development and the efficient achievement of our strategic goals.

The S-series career development system is a tiered technician training system. Following the concept of continuous "incremental innovation", starting from the assistant position, employees go through stages such as internships and suitable-for-position third-level electrician posts. Over time, they are gradually promoted to first-level electricians, junior station masters, intermediate station masters, senior station masters, veteran station masters, and eventually to operation and maintenance directors/managers. During this process, a tiered course system is provided. The Company also organizes annual review and assessment. Based on individual capabilities, potential for development, and actual performance, employees are systematically included in the Company's talent pool.

The P-series career development system focuses on the improvement of both capabilities and standards. It establishes clear management standards through the processes of setting standards, effective selection, support for development, and emphasis on talent retention. It has formed standards covering 136 positions in various professional lines. The Company conducts annual qualification reviews and regularly refreshes the qualification levels of more than 150 employees. We also build a professional judging team to ensure fairness and objectivity. Relying on a digital-intelligent learning platform, we provide a variety of courses to support employee development and talent retention.

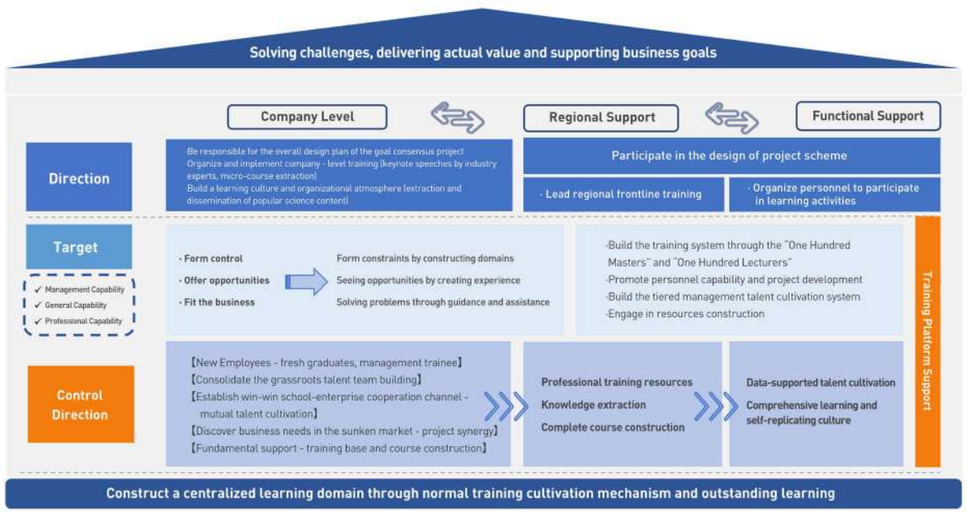
The M-series career development system implements differentiated empowerment at different levels. From M1-M2 to M7-M8, each level is assigned with targeted training and development plans to comprehensively meet the growth needs of employees at different levels and the requirements of the Company's strategic development for talents.



Diversified Training

Building learning platforms and training programs

CHINT O&M has established a diverse range of learning channels and platforms, and has built a three-tiered business-oriented talent-cultivation strategy. This strategy provides employees with comprehensive and diversified training courses. Based on the attributes of course activities and employees' positions and personal abilities, the Company combines different training methods, such as onsite production teaching, online training, tiered talent development, and external training. This allows employees to learn in a more efficient and flexible manner. The diversified learning models and well-planned training channels enable more employees to apply what they have learned to their actual work through the display of achievements in process management, production, projects, and innovation.



Key Performance

Average annual training hours of employees:

75 hours

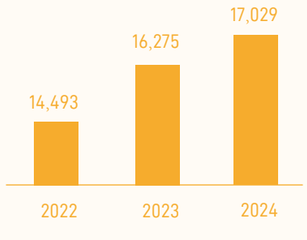
Expenditure for employee training:

RMB 1,540,000

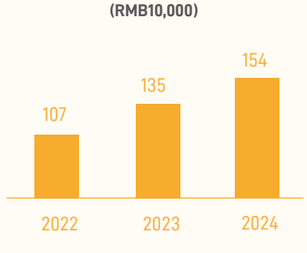
Proportion of employees who have received training:

100%

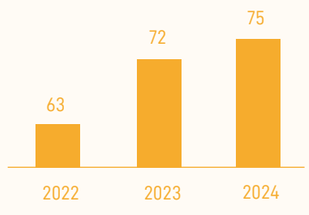
Person-times for Employee Training



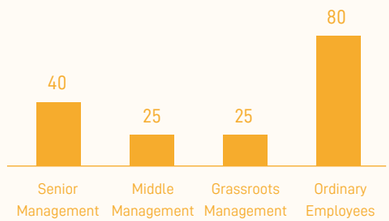
Expenditure for Employee Training (RMB10,000)



Average Training Hours of Employees

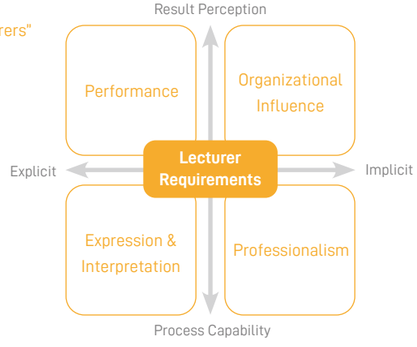


Average Training Hours of Employees by Title



A Series of Measures for "One Hundred Masters" and "One Hundred Lecturers"

CHINT O&M is advancing "One Hundred Masters" and "One Hundred Lecturers", which is a crucial part of our sustainable development and long-term success in the face of the ever-changing future environment. By accumulating diverse hands-on experience in the field, compiling professional training manuals, and establishing a tiered talent-development system, the Company enables employees to grow in line with their job-development and career-goal aspirations as well as organizational needs. The use of "role-swapping" is also a key method in this process. Through these efforts, employees can develop into core reserve personnel for the Company.



Diversified and cross-departmental talent development and cultivation mechanism

CHINT O&M has established a management trainee development plan based on the intersection of three core elements: individual ability, personal interest, and organizational needs. With the assistance of various departments, the Company jointly formulates career development and growth plans to help employees achieve development goals that are aligned with its strategic mission and objectives. Meanwhile, through regularly held meetings and seminars, employees' functional development is enhanced by sharing and communication from internal leaders and colleagues.

Onsite Training

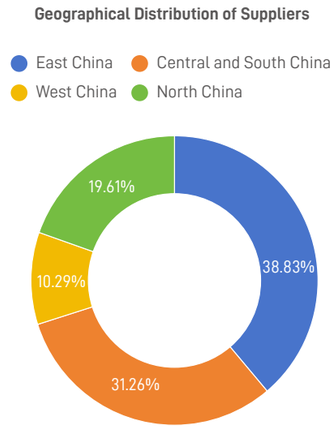
Enhancing Industry Communication and Working Hand in Hand with Partners for Win-win Results

Building a Sustainable Supply Chain

CHINT O&M has established a rigorous and comprehensive supplier procurement management system to ensure the high-quality supply of raw materials and services while effectively controlling supply chain risks. In terms of organizational structure, the Company has specifically set up the Supply Chain Management Department and the Supplier Management Position to coordinate supplier-related matters.

The Company has established and continuously improved its supplier management system, formulating internal management systems such as Supplier Management, Procurement Management, and Price Management. It has set strict and standardized management processes for supplier sourcing, supplier admission and elimination, supplier evaluation, and supplier communication, to ensure closed-loop management of the entire supply chain. As of the end of the reporting period, CHINT O&M had a total of 515 suppliers, especially service suppliers, supplemented by equipment, spare parts, and other material-related suppliers.

Geographical Distribution of Suppliers



Supplier admission

CHINT O&M engages in the onboarding of qualified suppliers in accordance with the Supplier Management Document and actual business needs. The Supply Chain Management Department initiates the evaluation process. During the supplier admission process, the Company fully considers the supplier's performance over the past three years and relevant qualification requirements. Only after filling in the Qualified Supplier Evaluation Form can a supplier be included in the list of qualified suppliers.

Supplier risk management

Supply chain risk assessment is an important part of supply chain management for CHINT O&M. Based on the types of procurement risks and the departments involved, the Supply Chain Management Department leads and organizes comprehensive risk assessments, both offline and online (via email), according to severity and urgency. The assessment mainly covers five aspects: data collection, data review, supplier testing (if required), supplier site visits, and supplier shortlisting. Finally, suppliers that meet the shortlisting criteria are subject to approval by the department head during the inquiry and comparison of prices or pre-bid review. Meanwhile, to keep track of suppliers' social situations, the Supply Chain Management Department manages supplier files, including but not limited to business licenses, basic deposit account information, and qualification certificates, conducting a census of supplier files once a year. Taking into account supply risks and procurement share and other factors, suppliers are categorized into potential suppliers, temporary suppliers, qualified suppliers, unqualified suppliers, and blacklisted suppliers.

Regular supplier review

CHINT O&M regularly conducts supplier audit and assessment. At the beginning of each quarter, the Supply Chain Management Department organizes relevant demand departments to evaluate the services of core suppliers from the previous quarter. As of the end of the reporting period, our audit covered 23% of the suppliers, and all audited suppliers have passed the audit.

Localized procurement

CHINT O&M actively supports the development of local suppliers. While promoting regional economic growth and creating local employment opportunities, this approach effectively reduces the energy and time consumption in the transportation process and lowers environmental pollution. Therefore, the Company gives priority to service suppliers in the local area and surrounding regions and will continue to deepen its localized procurement strategy. In 2024, our procurement expenditure on local suppliers accounted for 25% of the total amount.

Sunshine procurement

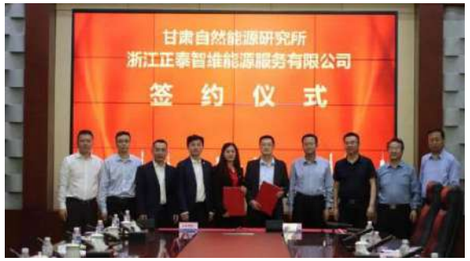
CHINT O&M emphasizes sunshine procurement and clean procurement, explicitly requiring the signing of relevant integrity commitment letters with suppliers. In November 2024, the Supply Chain Management Department held a special meeting on integrity in professional conduct, deeply publicizing and implementing the requirements of integrity systems, and continuously strengthening the integrity awareness of all employees.

Social responsibility management of supply chain

CHINT O&M has always included CSR/environmental incidents as key risk factors in the quarterly supplier assessment to ensure that suppliers' CSR management status meets the company's management requirements. Key issues include events that may affect our ability to obtain new projects and maintain or increase existing projects, or cause significant quality/EHS/CSR anomalies on site. During the reporting period, no significant CSR incidents were found among suppliers.

Exchanging with Partners

Alone we go fast, together we go far. CHINT O&M actively participates in industry exchanges to promote knowledge sharing and technological innovation through various means, such as attending industry conferences, engaging in industry communication, and establishing strategic cooperation.



A strategic cooperation agreement was signed with the Gansu Institute of Natural Energy

CHINT O&M was invited to participate in the 2024 (7th) Special Exchange Seminar on Optimized Design and Intelligent Operation and Maintenance of Photovoltaic Power Stations and the 2024 2nd Zhejiang Photovoltaic and Energy Storage Industry Development Conference

Case **Exchanging with Partners to Support Grenada's Green and Efficient Energy Supply System**

On May 21st, members of the Grenada Solar Energy Technology Training Class, organized by the International Business Officials Training Institute of the Ministry of Commerce and hosted by the Gansu Natural Energy Research Institute, visited the Northwest Operation and Maintenance Center of CHINT O&M for a special study session. Grenada, located at the southern end of the Windward Islands in the eastern Caribbean Sea of South America, has a tropical marine climate with an average annual temperature of 26□ and is rich in solar energy resources. In recent years, the rapid development of photovoltaic power stations in Grenada results in an urgent need for high-level photovoltaic talents. As a foreign aid project by Chinese government, the 21-day Grenada Solar Energy Technology Training Class aimed to support Grenada in building a green and efficient energy supply system. A total of 15 government officials and technical personnel from Grenada participated in the training. The professional operation and maintenance team of CHINT O&M shared and exchanged knowledge on intelligent operation and maintenance of photovoltaic power stations and demonstrated the CHINT O&M SaaS intelligent cloud platform system to the trainees. As an important strategic partner of the Gansu Natural Energy Research Institute, CHINT O&M fully leveraged its advantages in intelligent operation and maintenance and green energy asset management to provide professional technical support for the efficient operation and maintenance development of the solar photovoltaic industry and made its due contribution to achieving global climate change goals.

Supporting Rural Revitalization and Conveying the Warmth of Good Deeds

Rural Revitalization

Green Energy Contributes to Rural Revitalization

Green energy projects are featured by quick results, stable returns, and precise assistance. They can increase farmers' income while developing new energy sources and have become a "sunshine" industry that helps rural revitalization and promotes stable and continuous income growth. CHINT O&M actively promotes the application of green energy, intelligent agricultural development, and infrastructure construction in rural revitalization. Through the operation of projects such as agrivoltaics, photovoltaics over sandy land, and photovoltaics-aquaculture, the Company has promoted the deep integration of the green energy industry with modern agriculture and rural revitalization, achieving comprehensive benefits and optimizing the ecological environment.

Key Performance

Number of agrivoltaics power stations operated:

79

Installed capacity of agrivoltaics power stations operated:

8 GW+

Number of photovoltaic poverty alleviation projects operated:

9

200MW Agrivoltaic Ground-Mounted Power Station in Jiangshan, Zhejiang

Covering a total area of 6,300 acres with an investment of nearly RMB2 billion, the power station generates an average of 200 million kWh of electricity per year. Adopting the "photovoltaics + agriculture" model, photovoltaic panels are installed above farmland, with Chinese medicinal herbs, fruits, and vegetables planted on the ground and poultry such as chickens and ducks raised. This not only provides stable clean power but also optimizes land use and enhances agricultural production benefits. The income from photovoltaic power generation offers an additional source of income for local farmers, helping to improve their living conditions and promote diversified rural economic development. Moreover, the operation and maintenance team of CHINT O&M ensures the efficient and stable operation of the power station through intelligent O&M technologies, providing sustainable green energy support for rural revitalization and promoting ecological and environmental protection.

150MW Agrivoltaic Ground-Mounted Power Station in Yueqing, Zhejiang

Utilizing the agrivoltaic complementary model to achieve "power generation on the panels and planting beneath", this project has realized a win-win situation for both agricultural production and photovoltaic power generation. With an average annual power generation of about 180 million kWh, the power station can meet the daily electricity needs of approximately 120,000 households, significantly alleviating the pressure on the national power grid. The revenue generated from photovoltaic power generation has brought additional economic income to farmers, promoting their income growth. The construction and operation of the project have created a large number of job opportunities and enhanced the skill levels of the local labor force. While bringing green energy to the area, the project has effectively achieved a triple harvest of economic, social, and ecological benefits.

Photovoltaic Poverty Alleviation Power Stations in Gulang County

Gulang County in Wuwei City, Gansu Province, was once one of the 58 poor counties in the Liupan Mountains contiguous poverty-stricken areas in China and also one of the 23 deeply impoverished counties in Gansu. CHINT O&M is responsible for the operation and maintenance of four photovoltaic poverty alleviation power stations in Gulang County, with a total installed capacity of 28.29 megawatts and an annual power generation of 47.487 million kWh. These power stations have benefited 4,886 poor households, promoted farmers' income growth, and supported poverty alleviation and rural revitalization.

Driving the Increase of Farmers' Income by Providing Jobs

The daily operation and maintenance services of photovoltaic power stations involve tasks such as cleaning photovoltaic modules, weeding, and obstacle removal. CHINT O&M actively responds to the rural revitalization strategy by establishing the "Village Chief System" to promote local villagers' employment and support the sustainable development of towns and villages.

100MW Canadian Solar Power Station in Yucheng, Henan

Yucheng County in Shangqiu City, Henan Province, was once a national-level poor county and has been lifted out of poverty in 2019. This project adopts the agrivoltaic complementary model, allowing for the cultivation of mushrooms, black fungus, Chinese medicinal herbs, and other crops under the photovoltaic arrays. During the operation and maintenance of the project, CHINT O&M worked together with the local village committee, and local villagers were employed to carry out weeding work, promoting employment for more than 60 person-times and improving the quality of life of local villagers.

93.9MW Photovoltaic Project in Kecheng, Zhejiang

For the weeding project of the Kecheng photovoltaic power station in Zhejiang, the service unit was recommended by the village committee and undertaken by a local unit. Under the "Village Chief System", local service units were chosen, and local villagers were hired. The project's permanent staff enjoyed local resources. Subsequently, more than ten local villagers were employed for concentrated weeding.

35MW Photovoltaic Poverty Alleviation Project in Lankao, Henan

The Lankao project has a total installed capacity of 35.3584 megawatts and an average annual power generation of about 35.36 million kWh, which can meet the annual electricity needs of approximately 35,000 households. This is equivalent to reducing carbon dioxide emissions by about 37,720 tons and sulfur dioxide emissions by about 1,135 tons each year. During the operation and maintenance process, CHINT O&M gives priority to hiring local villagers to be responsible for the daily operation and maintenance of the power station. For other tasks such as photovoltaic module cleaning, weeding, and obstacle removal that need to be outsourced, local farmers are also preferred to complete these jobs. The Company is committed to helping local labor forces achieve local employment, bringing considerable income to local farmers, and effectively stimulating the internal motivation of impoverished people. This ensures stable poverty alleviation and long-term income growth for the poor, and fully leverages the benefits of photovoltaic poverty alleviation.

8MW Photovoltaic Project in Suibin County, Heilongjiang

Suibin County is a typical agricultural county with relatively weak energy infrastructure, facing problems of tight power supply and low energy efficiency. CHINT O&M provides operation and maintenance services for the 8MW photovoltaic power station in Suibin County, which has improved the local power structure and enhanced the stability of the power grid. Meanwhile, it has created a large number of job opportunities, providing new sources of income and technical training for farmers in Suibin County. This has further enhanced the local residents' employment capabilities and potential for industrial development. By integrating the introduction of green energy, rural revitalization, and intelligent operation and maintenance, the project has promoted the deep integration of the photovoltaic industry and rural revitalization, driving the sustainable development of the local economy and demonstrating the successful combination of the photovoltaic industry with rural revitalization.

CHINT O&M received a banner of honor from Lankao County Development Investment Co., Ltd.

Public Welfare Activities

Accelerating the comprehensive green transition of economic and social development requires the attention and support of the whole society, and even more so the continuous attention and long-term efforts of the younger generation. To promote the popularization of renewable energy knowledge and cultivate the innovative thinking and sustainable development awareness of young people, CHINT O&M has engaged in public welfare activities such as knowledge dissemination, corporate open days, and summer camps for employees' children, sowing the seeds of green and low-carbon concepts into the minds of teenagers.

Case **Exploring the Mysteries of Solar Energy in the Green and Low-Carbon Knowledge Classroom**

CHINT O&M launched the "Going Hand in Hand with Children through Green and Low-Carbon Publicity" project, which aims to provide scientific popularization and education to more than a thousand students, conveying the mysteries of solar energy. Through lively and interesting interactive experiences and rich knowledge explanations, the students gained a deep understanding of the importance of solar energy as a clean energy source and its wide-ranging applications in modern society. Through this activity, the students not only learned about solar energy but also developed environmental awareness and a low-carbon lifestyle concept, laying the foundation for future sustainable development.

Case **Big Hands Holding Little Hands on Family Open Day**

The Binjiang District Committee and the CHINT O&M Trade Union jointly held the project "Explore the Wonderful World of Parents' Work - Big Hands Holding Little Hands on Family Open Day". More than 50 lively and lovely children gathered together to observe their parents' daily work up close, experiencing the hardships and joys of their parents' jobs, and shared an unforgettable and fun-filled time.

Case **2024 CHINT O&M Green Industry Group Summer Camp for Employees' Children**

"Connecting with CHINT O&M, and Accompanied by Love" - In 2024, the CHINT O&M Green Industry Group launched a summer camp for employees' children. The camp aims to provide children with career enlightenment opportunities while they enjoy their holidays. The camp focuses not only on knowledge transmission but also on the inner growth and experience of the students. Through carefully designed "career experience" projects, the students are able to step into different career fields and closely feel the charm and challenges of various industries. Through these activities, the children not only gain happiness and friendship but also learn about green energy and develop environmental awareness in practice.

Maximizing Efforts for Party Leadership

03

CHINT O&M adheres to the leadership of Party building, using the power of the red (referring to the color associated with the Chinese Communist Party) to empower green energy. The Company ensures transparency, compliance, and accountability through a sound governance structure. It also continuously improves its corporate governance framework, strengthens internal control and risk management, and constantly enhances overall operational efficiency and sustainable development capabilities.

Response to the United Nations Sustainable Development Goals:

Adhering to the Leadership of Party Building and Enhancing the Level of Operation

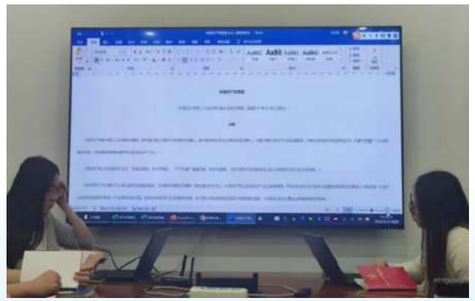
Adhering to the Leadership of Party

The CPC CHINT O&M Branch was established on February 28, 2022. As of the end of the reporting period, the Branch had 22 official members and 9 active applicants for Party membership.

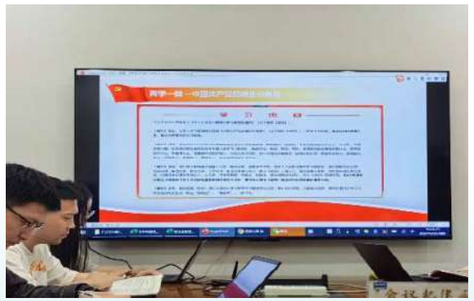
The CHINT O&M Branch has been steadily implementing the "three meetings and one class" system as a regular practice and has been earnestly carrying out the study and education campaign of "studying the Party Constitution and regulations, studying the series of speeches, and doing qualified Party members", thereby consolidating the platform for the growth of Party members and the exchange of ideas. Specific measures include: regularly convening the branch Party member assembly, the branch committee, and the Party group meetings, and organizing Party classes on schedule; by studying the Party Constitution and regulations, and the series of speeches, the branch guides all Party members to strive to be qualified Party members and promotes the "two extensions" of intra-Party education from a small number of key personnel to a broader range of Party members, and from concentrated education to regular education.

Insisting on studying and implementing Xi Jinping's Thought on Socialism with Chinese Characteristics for a New Era, we grasp the decisive significance of "Two Establishments", strengthen "Four Consciousness" and firmly believe in "Four Confidences", and pursue "Two Maintenances", always maintaining a high degree of consistency with the Central Committee of the Party in terms of ideology, politics and action.

We adhere to the integration of learning, thinking, and application, and the unity of knowledge, belief, and action. We strive to make efforts in using learning to build the soul, enhance wisdom, correct the style, and promote work. We also establish correct values, enhance the sense of responsibility and mission, actively take on responsibilities, and fulfill our duties and responsibilities for the Party and the people, thereby driving new achievements and earning high-quality development.



Studying the Constitution of the Communist Party of China



Organizing the study and education on Party discipline

Integrating Party Building into Corporate Business Operations

Relying on the "Red Power, Green Navigation" dual integration of Party building and intelligent maintenance, the "business growth and strengthened management" effect has been achieved. CHINT O&M Party Branch has integrated the "12345" approach with Party building into business operations, actively exploring and innovating Party building models. Party members, as pioneers, play an exemplary role in their respective positions, striving for excellence and working solidly. They have deeply integrated Party building with business development, and have successfully completed various tasks in corporate production and operation, technological innovation, digital transformation, etc.

The "12345" approach to integrating Party building into business operations

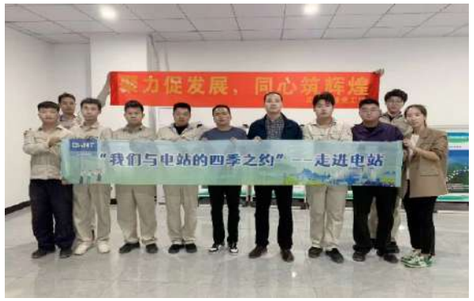
1 stands for the leadership of Party building

2 represents goal-orientation and problem-orientation

3 refers to the information center, intelligent platform, and comprehensive wisdom

4 means enhancing resilience, improving cohesion, strengthening appeal, and boosting affability

5 refers to the Party member vanguard assault team, grassroots cadre working team, Party group service team, civilization-building volunteer team, and supervision and inspection support team



Going to the Frontline

Marketing Training Camp

Following Business Ethics and Preventing Legal Risks

Following Business Ethics

Improving Organizational and Institutional Construction

To strengthen the construction of integrity and urge all employees to respect themselves, love themselves, be self-strengthening, and self-disciplined, and to consciously practice integrity and dedication to their jobs, CHINT O&M has improved the integrity system from multiple aspects, including systems, organization, cultural promotion, and reporting supervision.

Construction of Integrity Organizations:

The Board of Supervisors: Be responsible for the supervision and investigation of employees' integrity in professional conduct, and formulating (or revising) the management system and procedures for integrity in professional conduct.

All Units: Serve as the management responsibility units for employees' integrity in professional conduct.

Human Resources Department: Take charge of the punishment for employees' violations of integrity in professional conduct.

Legal Department: Provide relevant legal support for the management of integrity in professional conduct.

All Employees: Have the right and obligation to supervise managers.

Integrity System Improvement:

CHINT O&M has formulated the *Anti-Corruption Management Regulations* and the *Integrity in Professional Conduct Management Measures*. The *Anti-Corruption Management Regulations* clearly define corrupt behaviors and stipulate penalties, providing a strong institutional basis for anti- corruption efforts. The *Integrity in Professional Conduct Management Measures* further standardize employees' integrity requirements in business dealings from the perspective of employee behavior norms.

An interest conflict avoidance system has been established to restrict the powers of management personnel in aspects such as appointment and decision-making.

Regional Avoidance: To avoid corruption risks, personnel in special positions such as heads of overseas institutions and those in specific regions are required to be avoided

Positional Avoidance: Management personnel are required to apply for avoidance regarding the positions held by their relatives or specific associates.

Decision-Making Avoidance: In cases where there is a conflict between the Company's interests and the personal interests of the decision-maker, the decision-maker should proactively propose avoidance.

Comprehensive Anti-Corruption Measures

- Integrity Commitment for Key Position Personnel: All personnel in key positions within the company are required to sign the Integrity Commitment in Professional Conduct, and participate in training and surveys regarding position-related avoidance.
- A gift system is established to guide management personnel on the proper handling of gifts received.
- Pre-supervision regulations are established for matters such as procurement and asset disposal to promote transparent and fair procurement practices.
- An anti-commercial bribery system is formulated, requiring all cooperating units, including suppliers, dealers, and contractors to sign the integrity commitment.
- All individuals are encouraged to report and complain about corrupt behaviors of management personnel at all levels of the Company. Verified reports will be rewarded generously. For reports that prevent significant losses to the Company, special rewards will be granted

Cultivating Integrity Culture

CHINT O&M strictly formulates integrity-related management policies and systems in accordance with national integrity laws and standards, and releases them to all employees through various channels such as the company's internal network and bulletin boards. The Company regularly organizes integrity-related training for employees. The training is rich and diverse, including the interpretation of integrity laws and regulations, analysis of actual cases, and professional ethics education, aiming to regulate employees' behavior in an all-round way and to ensure the Company's continuous and stable development in a clean and honest atmosphere.

Key Performance

1973 employees received anti-corruption training

including **1968** ordinary employees

5 members of the senior management

100% of the employees received anti-corruption training

2980 hours anti-corruption training, including

1960 hours of ordinary employees

20 hours for senior management

Whistleblowing and Protection Mechanism

To ensure its own compliant operations, CHINT O&M has established multi-faceted whistleblowing channels. The Company places great emphasis on the protection of whistleblowers. In terms of protective measures, the identity of the whistleblower is strictly kept confidential. Personnel handling whistleblower information are required to sign confidentiality agreements and avoid disclosing the whistleblower's identity during the investigation. Retaliation against whistleblowers is strictly prohibited, and any such behavior will be severely punished once discovered. If the rights and interests of the whistleblower are infringed upon, the company will provide assistance and support.

Whistleblowing Channels

· Whistleblowing Email: Managed by designated personnel with strictly limited login permissions.

· "Whistleblowing and Feedback" Online Platform on the Official Website: The encryption technology is utilized to ensure data security.

· 24-hour whistleblowing hotline answered by professional staff.

· Written Whistleblowing Materials can be mailed to the Company's designated address.

Pursuing Compliant Operations

The Company strictly complies with various laws and regulations of China and other countries or regions where its business operations are located, including the Anti-Unfair Competition Law of the People's Republic of China, the Interim Provisions on the Prohibition of Commercial Bribery, the Anti-Money Laundering Law of the People's Republic of China, and the Anti-Terrorism Law of the People's Republic of China. These measures are in place to guard against illegal activities such as extortion, fraud, money laundering, and unfair competition.

Key Performance

Number of violations involving health and safety of products and services

0

Number of violations involving information and labeling of products and services

0

Number of violations involving marketing

0

Preventing Legal Risks

To reduce potential legal risks and ensure the normal conduct of corporate business, our legal risk prevention measures run through the three stages of business development: before business development, during business development, and after business development.

Before Business Development

·Establish and Improve Legal Risk Prevention Mechanisms: This includes formulating contract management systems and optimizing review processes. By clarifying standards and responsibilities, and conducting cross-reviews, the Company can identify contract risks and prepare contingency plans.

·Conduct Special-Purpose Legal Risk Assessments: Identify potential risks and develop prevention strategies.

·Carry Out Strict Contract Review and Management: Carefully review contract terms to ensure compliance with regulations. Fully brief the initiators on important rights and obligations to ensure the smooth implementation of contracts.

During Business Development

·Strengthen Information Exchange: Establish special ledgers for contentious matters and conduct regular tracking and monitoring. Take appropriate measures to address issues. Enhance internal information exchange to ensure timely communication and collaboration among departments in jointly addressing potential legal risks.

·Enhance Internal Monitoring: Through early identification of business risks, establish ledgers for high-risk projects and assign dedicated legal personnel to regularly track business activities. Ensure that before project implementation, there is a special briefing on the contract. Monitor the entire project performance process. If any problems are found during contract performance, legal personnel will promptly intervene to handle them, thereby further strengthening the effective control of legal risks.

After Business Development

·Regular Review and Summarize Risk Matters: Timely summarize and analyze legal risks that arise during business operations to continuously improve risk prevention capabilities.

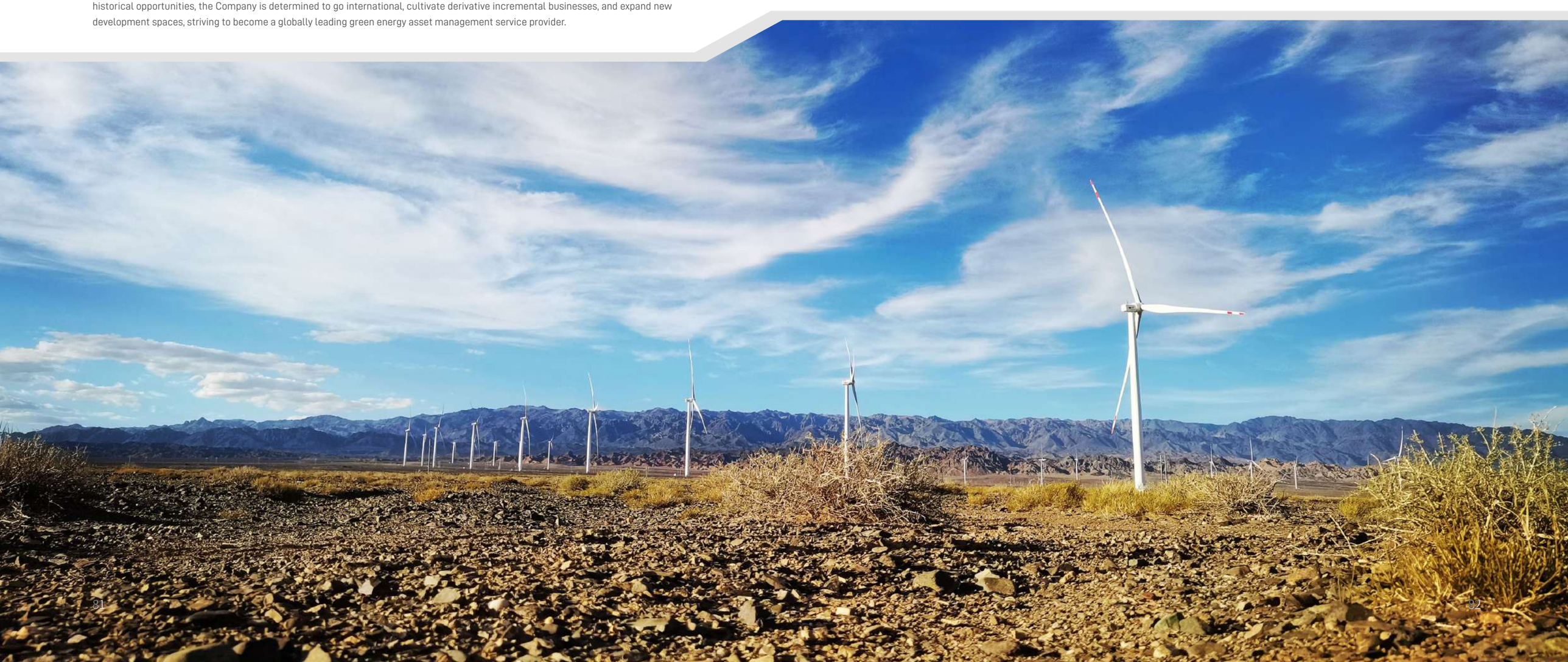
·Enhance Employees' Legal Awareness: To better learn from past experiences and lessons, compile legal risk cases that have occurred in the business or within other companies in the industry into training materials. Regularly train employees to continuously enhance their legal awareness, improve their understanding and application of the law, and thereby make more lawful and compliant decisions in their actual work.

Future Prospects

The National Energy Administration has pointed out that 2025 and the 15th Five-Year Period are crucial times for accelerating the construction of a new type of energy system, promoting high-quality energy development, and ensuring high-level energy security. The government work report has emphasized the need to "deepen the energy revolution, control the consumption of fossil energy, and accelerate the construction of a new type of energy system. It calls for strengthening the construction of large-scale wind and photovoltaic bases and external transmission channels, promoting the development and utilization of distributed energy, enhancing the power grid's ability to accept, configure, and regulate clean energy, developing new types of energy storage, promoting the use and international recognition of green electricity, and ensuring the energy needs of economic and social development with coal and coal-fired power playing a bottom-line role".

Faced with the trend of high-end, intelligent, and green development in the energy industry, CHINT O&M adheres to the concept of sustainable development. It is committed to achieving comprehensive coordination and improvement in environment, society, and corporate governance. Driven by innovation, the Company promotes its business towards in-depth digital empowerment and platform-based collaborative efficiency enhancement. It also uses intelligent means to control business processes. Seizing historical opportunities, the Company is determined to go international, cultivate derivative incremental businesses, and expand new development spaces, striving to become a globally leading green energy asset management service provider.

- We will continue to enhance our sustainable development management level, improve the ESG management framework, deepen the ESG strategy, gradually strengthen ESG governance, and continuously and transparently disclose ESG information. We will integrate the concept of sustainable development throughout all business processes.
- We will continue to leverage our role as the "last mile" of the industry chain, connecting production and usage, and linking customers, manufacturers, employees, the public, and other stakeholders to jointly build a healthy and sustainable green energy industry chain.
- During our business development, we will continuously focus on our environmental footprint and social value, achieving a unified integration of economic, social, and environmental benefits. We will give back to society and contribute to the timely achievement of the "carbon peaking and carbon neutrality" goals with our efforts.



Content Index

Report Catalogue		GRI (2021)	CASS-ESG 6.0	UN SDGs
	About the Report	2-2,2-3	P1	
	Message from the Chairman	2-17,2-22	P2	
	About CHINT	2-1,2-6,2-29,201-1,207-4	P3	
	ESG Management	2-9,2-12,2-14,2-16,2-18,3-1,3-2	G1.1,G1.3	
Maximizing Efforts for a Green Future	**Empowering Green Assets with a Professional Attitude**			
	Strictly Ensuring Technological Quality	/	S3.3	
	Ensuring Customer Satisfaction	/	S3.3	
	Guaranteeing Safe Operation and Maintenance	403,417,418	S3.4,S4.2	
	Empowering Green Assets with Digital Innovation			
	Cultivating a Fertile Ground for Innovation	/	S2.1.1-S2.1.7	
	Protecting Intellectual Property Rights	/	S2.1.8-S2.1.12	
	Focusing on Innovative Development	/	S2.1.13	
	Empowering Green Assets with Joint Green Actions			
	Addressing Climate Change	201-2,302	E1.1	
	Practicing Green Operation and Maintenance	303,304,305,306	E2.1,E2.2,E2.3,E2.4,E3.1,E3.2	
	Picturing a Green Future	/	/	
Maximizing Efforts for Win-win Results	**Promoting Talent Cultivation and Stimulating Development Momentum**			
	Talent Attraction and Assurance	2-7,2-23,401,402,407,408,409	S4.1	
	Employee Training and Development	404	S4.3	
	Enhancing Industry Communication and Working Hand in Hand with Partners for Win-win Results			
	Building a Sustainable Supply Chain	/	S3.1	
	Exchanging with Partners	204	/	
	Supporting Rural Revitalization and Conveying the Warmth of Good Deeds			
	Rural Revitalization	/	S1.1	
	Public Welfare Activities	/	S1.2	
Maximizing Efforts for Party Leadership	**Adhering to the Leadership by Party Building and Enhancing the Level of Operation**	/	/	
	Following Business Ethics and Preventing Legal Risks	2-15,205,206,207	G2.1,G2.2	

Reader Feedback Form

In order to continuously improve our ESG work and enhance our capabilities and standards in ESG management, we are eager to hear your opinions and suggestions.

We kindly ask for to complete the relevant questions in the feedback form and provide us with your feedback through one of the following ways.

Address: No.1335, Binan Road, Binjiang District, Hangzhou, Zhejiang Province, China

Email: power.services@Astronergy.com

Please leave your Information here

Name _____

Work Unit _____

Mobile Phone Number _____

Email _____

Feedback _____

1. How do you think of our ESG report?

☐ Excellent ☐ Good ☐ Just so-so

2. Can the report reveal significant impacts of our ESG issues?

☐ Yes ☐ Almost ☐ I don't know

3. Are you satisfied with the accuracy and completeness of the information, data and indicators disclosed in the ESG report?

☐ Very satisfied ☐ Satisfied ☐ Almost satisfied ☐ Barely satisfied ☐ Not satisfied

4. Which aspect of this report are you most satisfied with?

_____

5. Which information would you like to know further?

_____

6. What suggestions do you have for us to release reports in the future?

_____