



大唐国际发电股份有限公司
Datang International Power Generation Co., Ltd.

2024

Social Responsibility Report

Environmental, Social and Governance Report



About This Report

This is a Sustainability Report (Environmental, Social and Governance Report) publicly disclosed by Datang Power, aiming to respond to the expectations of stakeholders and disclose the Company's sustainability concept, management and results in fulfilling economic, social and environmental responsibilities.

Reporting Scope

Organization Scope: unless otherwise specified, this report covers Datang International Power Generation Co., Ltd. and its branches.

Reporting period: the period from 1 January 2024 to 31 December 2024, and some contents are beyond the above scope.

Reporting Cycle

This is the 17th annual CSR Report published by Datang Power

Preparation Basis

This Report is prepared in line with relevant requirements provided in the following documents: the *Guidelines to the Central State-owned Enterprises on Fulfilling Corporate Social Responsibilities with High Quality in the New Era and the Reference Index System for ESG Special Reports of Listed Companies Controlled by Central Enterprises* issued by the State-owned Assets Supervision and Administration Commission of the State Council; the *Sustainability Disclosure Standards for Business Enterprises—Basic Standards (Trial), the Guidelines No. 14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies—Sustainability Report (Trial)*, and the *Guidelines No. 4 of Shanghai Stock Exchange for Self-Regulation of Listed Companies—Sustainability Report Preparation (Draft for Comments)* issued by the Ministry of Finance. It also refers to the following documents: the GRI Standards by the Global Sustainability Standards Board; the *Guidance on Social Responsibility Reporting* (GB/T 36001-2015); the *Guidelines for Social Responsibility Reports of Chinese Enterprises (CASS-ESG5.0)* by the Chinese Academy of Social Sciences; the *Guidance on Social Responsibility* (GB/T 36000) of the Standardization Administration of China; the *Guidance on Social Responsibility* (ISO 26000:2010) of the International Organization for Standardization; the 2030 Sustainable Development Goals (SDGs) of the United Nations; the IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information and the IFRS S2 Climate-related Disclosures of the International Sustainability Standards Board.

Data Sources

All data in the Report is taken from Datang Power's official internal documents and statistics. All currency amounts are reported in RMB, unless otherwise stated.

References to Datang Power

In the report, "Datang International Power Generation Co., Ltd." is also referred to as "We" "the Company", and "Datang Power". " CDT or the Group company" refers to "China Datang Corporation Ltd."

Release Form

This report is published in both printed and online versions, and the online version is available on the Company's website (<http://www.dtpower.com/>).

CONTENTS

Our Regards	02	ESG Management	56
About Datang Power	04	Outlook	60
Corporate Culture	08	Key Performance	62
Honors	09	Report Index	64
Special Feature 1: Comprehensive Enhancement of Energy Supply Capabilities	10	Feedback	68
Special Feature 2: A New Outlook on Green and Low-Carbon Development	14		

Advancing Green Development Shaping a New Vision for a Greener Datang	16	Achieving New Heights in Governance with Superb Quality and Efficiency	46
Advancing the Green and Low-Carbon Energy Transition	18	Improving Corporate Governance	48
Tackling Climate Change	24	Comprehensively Deepening Reforms	50
Practicing Low-carbon Operation	28	Being dedicated to innovative development	52
Protecting Biodiversity	30	Strengthening digital transformation	54
		Implementing Lean Management	55

Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being	32
Laying a Solid Foundation for Safe Development	34
Realizing the value of employees	37
Building a Sustainable Supply Chain	41
Committed to Multi-cooperation	42
Giving Back to the Community	43
Building Harmonious and Beautiful Countryside Communities	44



Our Regards

The year 2024 is a crucial year for achieving the goals and tasks of the 14th Five-Year Plan, and it is also a milestone year in the three-decade reform and development history of Datang International Power Generation Co., Ltd. ("Datang International" or "the Company" for short). Over the past year, we have adhered to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, delved deeply into the spirit of the Third Plenary Session of the 20th CPC Central Committee, and resolutely implemented all decisions and deployments of the Party Central Committee. Bearing in mind the mission of state-owned central enterprises in the new era, we have unwaveringly taken on the crucial task of ensuring supply and dedicated ourselves to green and low-carbon development.

Over the past year, we have been in tune with the times, engaged in a relentless race against time. Consciously, we have elevated our strategic perspective and pinpointed our position within the overarching landscape and broader trends. Proactively, we have spearheaded efforts and vied for primacy in major trials and arduous tests. United in purpose, we have forged ahead with unwavering resolve, emphasizing pragmatism and innovation, while advancing with courage and perseverance. Amid the intense rivalries of attaining a "resounding start", "achieving remarkable mid-year results", "sustaining stable growth", and securing an "all-round triumph", we have amassed momentum. During the "hundred-day battle", we have manifested a "courageous stance", translating our enterprise social responsibilities and sustainable development commitments into tangible actions.

This year, we have unwaveringly shouldered our responsibilities, propelling our energy supply capabilities to an elevated echelon.

We have constantly upheld the country's most fundamental interests and meticulously fulfilled the "prime obligation of energy supply". Deeply implementing the new energy security strategy featuring "Revolution in Four Aspects and International Cooperation", we have taken the implementation of the capital's power supply planning as a springboard, achieving a breakthrough in the installed capacity around Beijing and security assurance capabilities. We have intensified the fundamental rectification of workplace safety, refined the safety responsibility framework and risk-hazard management system, and achieved the best results in work safety in recent years. The routine energy supply system has been steadily enhanced. We have successfully completed numerous significant political power supply assurance tasks, and spared no effort in energy supply work like peak-summer power response, flood prevention and control, and winter heating. With unwavering responsibility and remarkable achievements, we have splendidly demonstrated the demeanor of a central enterprise as the "mainstay of the nation".

This year, we have persevered in driving reform to its very core, and the reform of institutional mechanism has unleashed fresh impetus. We have deeply implemented the guidelines of the Third Plenary Session of the 20th CPC Central Committee. We leveraged reform as the decisive instrument, adhering to the overarching goal of strengthening, optimizing, and enlarging state

capital and state-owned enterprises, while focusing on enhancing core functions and elevating core competitiveness as key reform priorities. With holistic vision and systematic coordination, we vigorously advanced reforms to pioneer a new landscape of world-class performance through institutional innovation. The Company has set the pace from the top echelons, upholding the tenets of equity, justness, and transparency. With unwavering tenacity, it has ensured reform implementation, enabling the "Four Capabilities" mechanism to take root and bear fruit. Key tasks in reform deepening and enhancement have been smoothly advanced as scheduled. Through reform deepening, the Company has unleashed internal development impetus, continuously fortified core functions, and steadily elevated core competitiveness.

This year, we have adopted a two-pronged approach, propelling our business performance to new heights.

Facing the pressure and challenges brought to our operation and management by the exalted coal prices, the persistent downward pressure on electricity prices, and the slowdown in the growth rate of electricity consumption, we have assiduously embraced the operation philosophy of "Value First, Green Priority, Success by Innovation, Win-win Cooperation". We have vigorously propelled specialized initiatives such as value generation, quality and efficiency improvement, and the governance of loss-incurring enterprises. Notable gains have been realized in electricity-coal price containment and the augmentation of electric heat marketing efficiency. In addition, the regulation of financing costs and scale

has been robust, and the labor employment management has been comprehensively beefed up.

This year, we have remained committed to our pursuit of innovation-driven growth, with new energy development scaling new heights.

We have been vigorously dedicated to the "carbon peak and carbon neutrality" goals and the construction of a new power system. By fortifying the strategic blueprint of "province and industry-specific policies", we have ensured that top-level executives at all levels personally spearhead development endeavors, and we have exerted maximum efforts in the overarching design and establishment of a long-term, effective mechanism for emerging strategic industries. Leveraging efficient coordination, we have forged a virtuous cycle system for high-quality development featuring "four batches", and capitalized on collaborative innovation to generate a "synergistic effect" for the growth of emerging strategic industries. As China's inaugural project featuring the coordinated development of clean coal-fired power and clean energy, the Clean and Efficient Coal-fired Power Project (Phase II) in Xinyu, Jiangxi Province achieved the feat of "commissioning two units within a year". The Tuoketuo Power Plant (Phase I) in Inner Mongolia and the Weixian Power Plant (Phase I) in Hebei were commissioned at full capacity, heralding innovative breakthroughs in the centralized and intensive development of new energy bases.

This year, we have been steadfast in bolstering and refining our operations, with the governance of listed companies gaining notable new fruits.

We have steadfastly adhered to the principle of "unwavering implementation of the two imperatives", seamlessly integrating the reinforcement of Party leadership with corporate governance refinement. Continuously, we have standardized the construction of the Board of Directors at the levels of the Company and grassroots branches, propelling a comprehensive elevation of the Company's governance capacity. Diligently, we have executed special initiatives targeting quality of listed company, optimized corporate governance, and meticulously crafted a high-standard ESG management system with the characteristics of Datang International. The Company attained an A-grade in the Shanghai Stock Exchange's annual information disclosure evaluation and consecutively secured multiple accolades, including the "Golden Award for Information Disclosure" under the Golden Bull Award for Listed Companies and the Yinghua Awards.

This year, we have remained committed to innovation and integration, achieving new enhancements in the quality and effectiveness of Party building.

We have held fast to the overarching requisites of Party building in the new era, vigorously propelled the full and rigorous governance over the Party, and comprehensively studied and implemented the spirit of the Third Plenary Session of the 20th CPC Central Committee. By means of centralized training, promotional guidance, and special seminars, we have translated the plenary session's arrangements into tangible actions. We have accomplished the discipline-based learning and education at a high standard, fostering a strong atmosphere of studying, comprehending, discerning, and observing Party disciplines. We launched the dissemination and implementation activities themed "Excellence Culture", advanced the construction of the Party-building brand "Party Leadership to Achieve Preeminent Datang", and enabled high-quality development to be steered and safeguarded by high-quality Party building.

Despite numerous difficulties that are buffeting us during our long and arduous journey, we still determined to shoulder our heavy responsibilities with unwavering courage and determination. In 2025, we will steadfastly adhere to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, thoroughly implement the spirit of the 20th National Congress of the CPC, along with that of the Second and Third Plenary Sessions of the 20th CPC Central Committee. We will fully materialize the requirements of the Central Economic Work Conference and the Meeting of Central SOE Leaders, comprehensively fortify the Party's leadership and Party-building work, and further advance the full and rigorous governance over the Party. Centering on the theme of further comprehensively deepening reforms to promote high-quality development, we will harmonize the concluding phase of the 14th Five-Year Plan and the inaugural phase of the 15th Five-Year Plan. Moreover, we will coordinate endeavors in attaining high-quality development, ensuring high-level security, and sustaining high-efficiency operations, thereby constructing a first-rate listed company endowed with robust innovation capacity, robust competitiveness, robust development ability, and robust risk resilience.

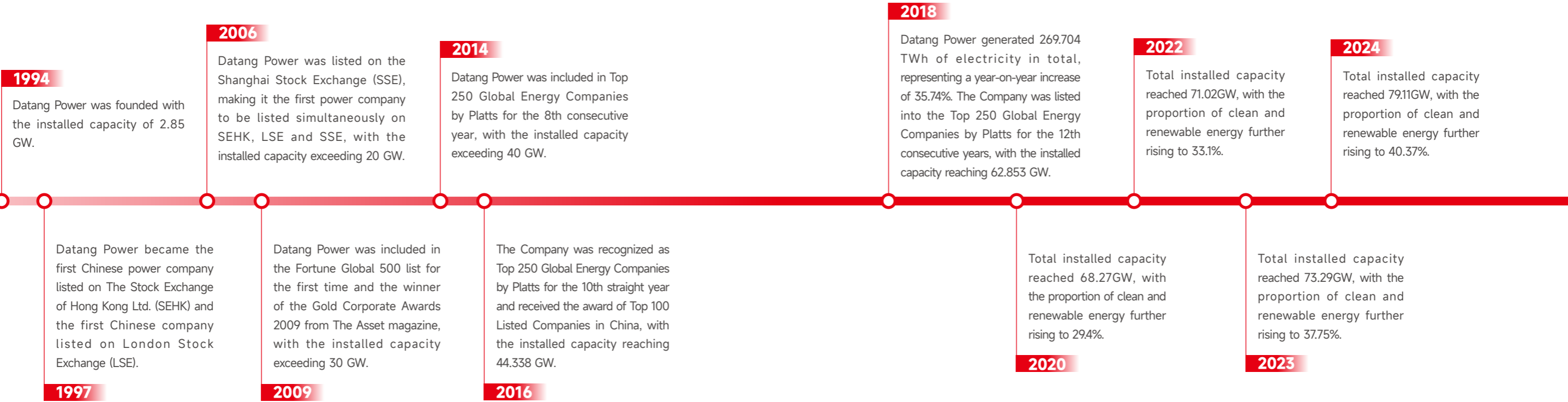
About Datang Power

Datang International Power Generation Co., Ltd. (hereinafter referred to as "Datang International", "the Company" or "we") was established in 1994. It holds the distinction of being the first Chinese enterprise listed on the London Stock Exchange, the first Chinese power generation company listed in Hong Kong, and the first Chinese company to achieve simultaneous listings in Hong Kong, London, and Shanghai. Our business footprint spans 20 provinces and regions across China, primarily engaged in power generation businesses including coal-fired, hydro, wind, photovoltaic, and nuclear power generation. The Company is steadily evolving into a green, low-carbon, multi-energy complementary, and highly integrated large-scale comprehensive energy listed corporation.

By the end of 2024

Operating income RMB 123.5 billion	Total profit RMB 8.622 billion	Annual tax payment RMB 8.441 billion
Total installed capacity 79,111 MW	Employees in total 27,969	Proportion of installed low-carbon and clean energy 40.37 %

Our History



Industrial Layout

20 Provinces and regions nationwide covered by its operating subsidiaries and projects under construction

Water Power
9,204.7 MW

Thermal Power
53,806.8 MW

Coal-fired Power
47,174 MW

Gas-fired Power
6,632.8 MW

Wind Power
10,058.7 MW

Photovoltaic Power
6,041 MW

- Water Power
- Gas-fired Power
- Photovoltaic Power
- Coal-fired Power
- Wind Power



Corporate Culture

The “culture of excellence” serves as the theme of CDT’s corporate culture, reflecting the collective spiritual pursuit of all members of the Group company. It also embodies our steadfast convictions and the fearless spirit to confront challenges, while relentlessly striving for excellence and pursuing the highest standards. Furthermore, we have established the fundamental framework of “4+5+1” for fostering the “culture of excellence.”

Corporate mission: Provide Clean Energy to Light up a Better Life

Corporate vision: To become a world-class energy supplier that is “green and low-carbon, utilizes multiple energy sources in a complementary manner, operates efficiently and collaboratively, and embraces digital intelligence,” and to be a leading enterprise in the construction of a Beautiful China

Corporate values: Embracing Pragmatism, Fostering Innovation, and Sharing the Fruits of Development

Corporate spirit: Uniting with One Heart and Striving for Excellence

4

culture of excellence
“4+5+1”

5

1

Business philosophy: Prioritizing value creation, emphasizing green development, achieving success through innovation, and fostering win-win cooperation

Management philosophy: Following the Group company’s leadership, implementing industrialized operations, practicing lean management, and striving for continuous improvement

Employee development ethos: Valuing hardworking employees as our cornerstone and empowering them to demonstrate their talents

Safety philosophy: Life first and safety first
Integrity philosophy: Advancing the development of endeavors with integrity

Employee code of conduct: Love for the country and the Company, compliance with laws and regulations, dedication and accountability, and efficient collaboration

Datang International leveraged the special excellence culture enhancement initiatives as a catalyst. Centered on the unity of “knowing, believing, and acting”, it propelled the excellence culture to permeate minds, infuse work processes, and embed in actions, thereby optimizing the outcomes of culture dissemination, concept internalization, and behavior transformation.

Caption: Datang International launches a publicity activity featuring “Excellence Culture”.



Honors

A

Receiving the highest A-grade evaluation for information disclosure from the Shanghai Stock Exchange



Winning the “Golden Award for Information Disclosure” in the 2023 Golden Bull Award for Listed Companies



The award of “Best Practice Cases of Board Offices of Listed Companies in 2024” presented by the China Association for Public Companies



The award of “Typical Practice Cases of Board Offices of Listed Companies in 2024” presented by the China Association for Public Companies



Winning two awards, namely the “Hong Kong Stock Value Award” and the “Hong Kong Stock Investor Relations Innovation Award” of the 2024 Yinghua Awards for Chinese Listed Companies, at the “2024 China Capital Market Development Forum and Listed Company Forum, Private Equity Forum” hosted by The China Fund.



Winning two awards, namely the “Outstanding Listed Company for High-quality Development” and the “Outstanding Listed Company for Investor Relations Management”, at the 14th Hong Kong International Financial Forum and the China Securities Golden Bauhinia Awards Ceremony.

Special Feature 1

Comprehensive Enhancement of Energy Supply Capabilities

The stability and security of energy supply are vital to national development and public well-being. Datang International firmly upholds the principle that ensuring energy security is a top national priority. The company integrates its corporate mission—providing green energy to power a better life—into every decision and action. Through comprehensive and in-depth practices, Datang International vividly demonstrates its commitment to serving national strategies and safeguarding energy supply.

Consolidating the Foundation of Safety

With unwavering determination, we uphold the bottom line of energy supply security, adhering to the principle of “Life and Safety First”. We have made significant progress in advancing the Three-Year Action Plan for Fundamental Safety Improvement, reinforcing safety production responsibilities at all levels through a robust safety assurance system and supervision system. By continuously refining the three-pillar safety framework—which encompasses safety assurance, supervision, and technical support—we have diligently strengthened our foundation, fundamentals, and core competencies. Through meticulous efforts and comprehensive measures, we have secured the bottom line of safety, ensuring a solid foundation for energy supply to the capital, illuminating the path forward with unwavering commitment.



Datang International carries out thorough equipment maintenance to ensure the safe and stable operation of power units

Strengthening the Foundation to Enhance Intrinsic Safety

We have reinforced responsibilities at all levels by specifying leadership, technical, managerial, and supervisory duties. Through safety management ranking, we have facilitated the effective operation of the safety assurance system, supervision system, and technical support system. To ensure continuous safety oversight, we have implemented a “1+2” supervision plan, conducting comprehensive safety inspections across both production and infrastructure enterprises. This initiative has provided a clear understanding of the overall safety status. We have also adopted strict anti-violation management measures, introducing the most stringent anti-violation policies in Datang International’s history. These policies incorporate progressive rewards, a whistleblower mechanism, detailed accountability measures, and linked point-based assessments, forming a comprehensive disciplinary framework. As a result, the total number of violations has shown a steady decline.

Nationwide Recognition: Setting a Higher Benchmark for Safety

In 2024, several of our subsidiaries were recognized for their outstanding contributions to safety culture. Weizhou Energy Company, Leizhou Power Generation Company, Ganzi Hydropower Company, and Qinghai Zhiganglaka Hydropower Company were awarded the title of National Model Enterprises for Safety Culture Development. Additionally, Douhe Thermal Power Company, Zhangjiakou Power Generation Company, Wangtan Power Generation Company, Zhejiang New Energy Company, Chaozhou Power Generation Company, and Binchuan New Energy Company were selected as National Model Programs for Power Safety Culture. Furthermore, Panshan Power Generation Company was honored as a First-Class Enterprise in Power Safety Standardization.

Enhancing Power Supply Capabilities

As a seasoned player in power supply assurance, Datang International has further improved its political awareness and strengthened its understanding of the critical importance of ensuring stable power supply. With unwavering confidence and a strong sense of responsibility, we remain committed to our mission by upholding fine traditions, drawing on successful experiences, and continuously fostering innovation and resilience. We take a meticulous and proactive approach, implementing comprehensive measures with precision and rigor to ensure the absolute success of our power supply efforts in politically significant scenarios.



Strengthening Safety Management and Control to Fulfill Power Supply Tasks during Major Political Activities

Datang International has prioritized safety management and control and risk identification, reinforcing controls over key areas, critical facilities, essential equipment, and key personnel. By leveraging a dual-prevention mechanism, we have ensured the flawless execution of power supply tasks for major national and political events, including the National Two Sessions (the National People’s Congress and the Chinese People’s Political Consultative Conference), the Third Plenary Session of the 20th Central Committee of the Communist Party of China, the Summit of the Forum on China-Africa Cooperation, and the 75th Anniversary of the Founding of the People’s Republic of China. Through these efforts, we have fully demonstrated our role of a central state-owned energy enterprise as a pillar of stability and a cornerstone of national security.



Tuoketuo Power Generation Company successfully fulfilled the power supply mission for the 75th anniversary celebration of the founding of the People’s Republic of China



Battling Typhoon Yagi to Ensure Safe and Stable Equipment Operation

As a key power supply hub in western Guangdong, Leizhou Power Generation Company took swift action in response to the direct impact of Typhoon Yagi. Following the typhoon and flood emergency response plan and clearly defined responsibilities, the company promptly reinforced and secured critical equipment, including ship unloaders and circulating water gantry cranes, while ensuring proper storm sheltering measures for vessels. Additionally, the company stocked sufficient emergency supplies including emergency power generation equipment, backup lighting, and satellite phones, effectively safeguarding the safe and stable operation of power generation units amid the extreme weather conditions.



Leizhou Power Generation Company responds to Typhoon Yagi by inspecting outdoor equipment

Safeguarding People's Well-Being

Ensuring stable heating supply during winter is a vital public service that affects millions of households and directly impacts people's quality of life. It is both a livelihood project and a public trust initiative. During the harsh winter of 2024, multiple rounds of cold waves struck persistently across the country. In response, Datang International strengthened organizational leadership, fully implemented responsibilities, and intensified risk identification and rectification efforts to ensure a stable fuel supply. With these measures in place, we remained steadfast in our commitment to keeping households warm throughout the winter.



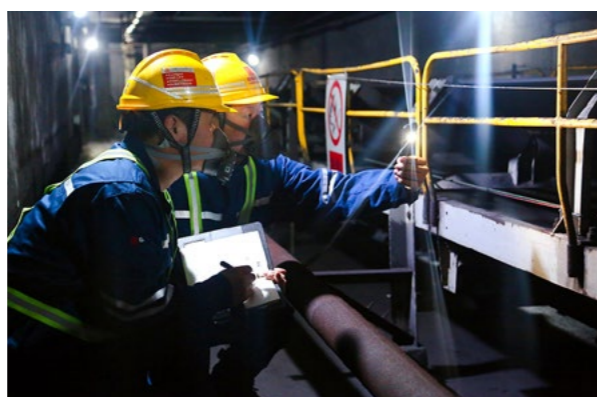
Qingyuan Thermal Power Company ensured energy supply during heavy snow



Panshan Power Generation Company conducts thorough inspections of heating equipment



Jinzhou Thermal Power Company of Liaoning Branch is conducting equipment maintenance



Suihua Thermal Power Company of Heilongjiang Branch is conducting regulation inspection on the coal conveyor belt



Datang-Tuoketuo Long-Distance Heating Project (Phase I) Commissioned, Delivering "Datang Warmth" to the Capital of Inner Mongolia

At the Datang-Tuoketuo Thermal Power Base in Inner Mongolia, a row of thermal power units stands amid the snow and ice. On October 15, 2024, Datang-Tuoketuo Long-Distance Heating Project (Phase I) was fully commissioned, officially providing centralized heating for an area of 53 million square meters. This milestone marks the delivery of high-standard "Datang Warmth" to the residents of the capital city.



Implementing "Integrated Source-Grid" Heating Model in Baoding to Build the "Datang Heat Supply: Warmth & Harmony at Home" Brand

On April 6, 2024, just a week after the successful achievement of the "100 Days of Stable Operation" target for Unit 12 of Baoding Phase IX, Unit 13 was completed and commissioned, achieving dual-unit operation and further strengthening heating supply capabilities. Baoding has adopted an "integrated source-grid" heating model, where two heat source enterprises and one heat supply enterprise are responsible for providing winter heating to over 50 million square meters, covering more than 1,000 residential communities and industrial and public institutions in the main urban area of Baoding. In response to record-breaking cold waves, the companies proactively planned, took swift action, and closely collaborated to ensure uninterrupted heating. Through these dedicated efforts, the "Datang Heat Supply: Warmth & Harmony at Home" brand has become deeply rooted in Baoding.



Well-Planned and Well-Prepared in Summer: Ensuring Winter Heating Supply Stability

Ten heat supply enterprises under Datang Heilongjiang Power Generation Co., Ltd., including Suihua Thermal Power Company and Jixi Thermal Power Company, took measures to ensure a seamless transition into the winter heating season. With high standards and strict quality control, they successfully completed overhauls on 14 power units, 3 high-risk water tower operations, and 10 key technical upgrades, strengthening the reliability of their equipment. Additionally, they adopted tailored and phased strategies while implementing multi-level communication, ensuring early coal storage during summer for stable winter heat supply. As a result, the proportion of high-quality coal and primary combustion coal in stock has significantly increased.

Technicians from Heilongjiang Qitaihe Power Generation Company inspect the coal in winter



Special Feature 2

A New Outlook on Green and Low-Carbon Development

At the crossroads of energy sector reform and development, it is essential to embrace both a visionary perspective to seize strategic opportunities in renewable energy and a pragmatic approach to turn ambitious blueprints into concrete plans and actions. As a leading central state-owned energy enterprise, Datang International is at the forefront of the green and low-carbon transition. With systematic thinking and innovative initiatives, the company is actively advancing the construction of cutting-edge green and low-carbon demonstration projects, positioning itself as a key player in the evolving energy landscape with a commitment to excellence.



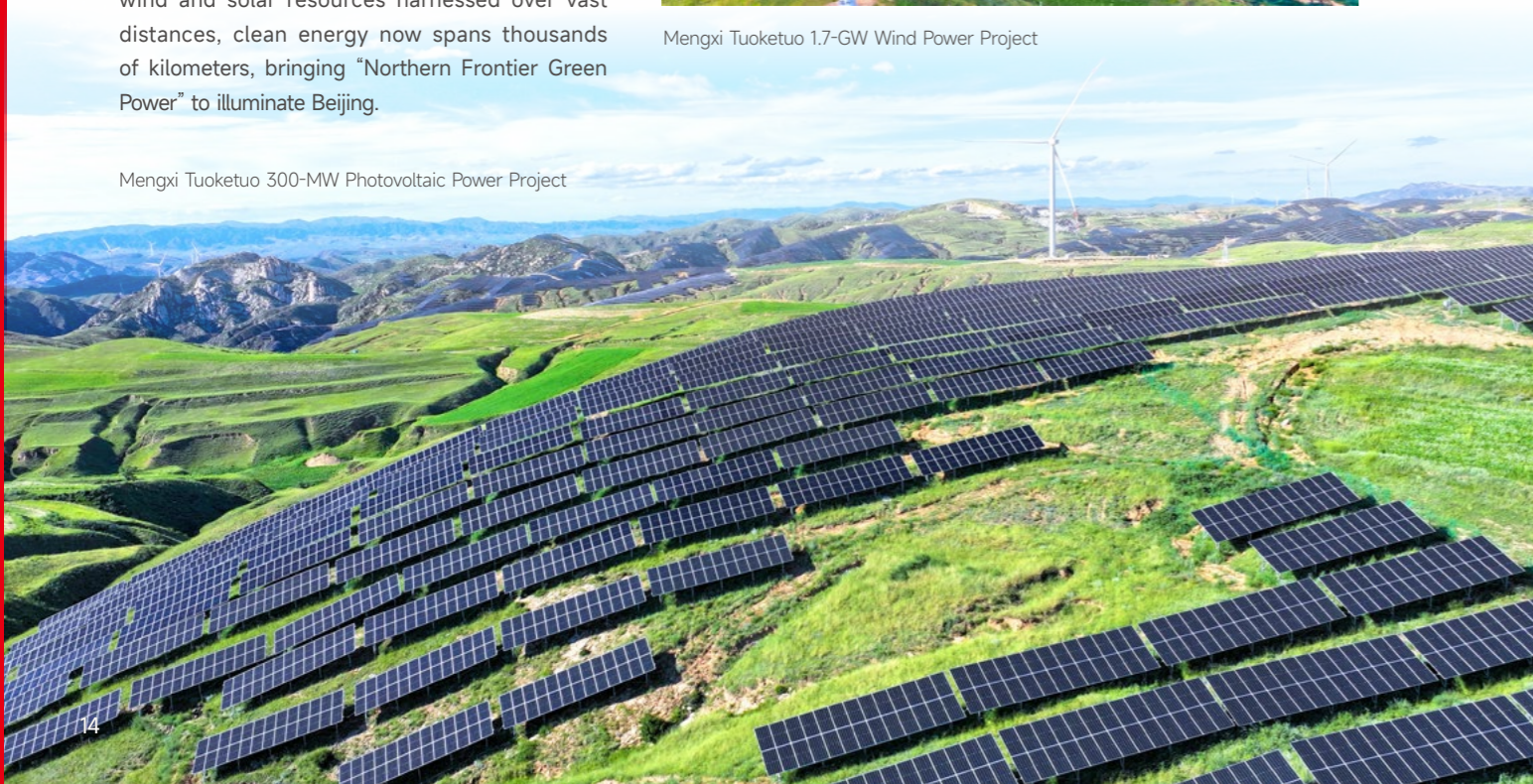
Datang Mengxi Tuoketuo New Energy Transmission Project Connected to the Grid for Power Generation

On September 30, 2024, the Datang Mengxi Tuoketuo 2-GW New Energy Transmission Project was officially connected to the grid and ready for power generation. This project is China's first multi-energy complementary renewable energy transmission initiative utilizing existing thermal power corridors for bundled transmission, as well as one of the first large-scale wind and photovoltaic bases in Inner Mongolia, strategically developed in desert, Gobi, and arid regions. The project is expected to generate over 4.1 billion kWh of green electricity annually, saving more than 1.43 million tons of standard coal and reducing carbon dioxide emissions by over 3.5 million tons. With abundant wind and solar resources harnessed over vast distances, clean energy now spans thousands of kilometers, bringing "Northern Frontier Green Power" to illuminate Beijing.



Mengxi Tuoketuo 1.7-GW Wind Power Project

Mengxi Tuoketuo 300-MW Photovoltaic Power Project



Wind and Photovoltaic Power Project in Yuxian County Successfully Connected to the Grid

The Datang Yuxian County 1-GW Wind and Photovoltaic Power Project is one of China's first large-scale wind and photovoltaic (PV) power bases, as well as one of the first multi-energy complementary renewable energy transmission projects utilizing existing thermal power corridors for bundled transmission. In May 2024, the Yangyuan 650-MW Wind and Photovoltaic Power Project at this base was fully connected to the grid, adding over 1.3 billion kWh of green electricity annually, saving more than 450,000 tons of standard coal, and reducing carbon dioxide emissions by over 1 million tons. Earlier, in January 2024, with the successful grid connection of the Huangmei Agrivoltaic Complementary PV Power Station, the Yuxian County 350-MW PV Power Project was also fully connected to the grid. This project generates approximately 500 million kWh of green electricity per year, reducing standard coal consumption by 150,000 tons and cutting carbon dioxide emissions by 390,000 tons.



China's First Integrated Clean Coal and Grid-Parity Photovoltaic Project Achieves Full-Capacity Operation

On October 24, 2024, China's first integrated clean coal and grid-parity photovoltaic (PV) development project—the Datang Xinyu 2×1,000 MW Clean and Efficient Coal Power Project—officially achieved full-capacity operation as Unit 2 successfully completed a 168-hour full-load trial run. This follows the commissioning of Unit 1 on September 13, marking the achievement of "dual-unit commissioning within one year." The project incorporates national key energy-saving and low-carbon technologies, making significant environmental gains compared to traditional coal-fired power plants. Annually, it is expected to save standard coal consumption by approximately 200,000 tons, and reduce carbon dioxide emissions by 140,000 tons, sulfur dioxide emissions by 244 tons, and dust emissions by 2.2 tons. With both units in operation, the project is expected to generate around 9.5 billion kWh of electricity annually, significantly enhancing the Jiangxi power grid's capacity. This milestone strengthens energy security and power supply reliability, providing critical support for the revitalization and development of China's old revolutionary base areas in the new era.



Unit 1 of Datang Xinyu 2×1,000 MW Clean and Efficient Coal Power Project (Phase II) Officially Commissioned



Nanao Lemen I Offshore Wind Power Project Earned 5A Rating

The Datang Nanao Lemen I Offshore Wind Power Project has a total installed capacity of 245 MW, featuring 35 wind turbine units. Since its commissioning in 2021, the wind turbines have maintained stable and continuous operation. In 2024, the project was awarded the highest "AAAAA" rating in the China Electricity Council's wind power performance benchmarking assessment for the power industry. To date, the project has generated over 2.5 billion kWh of electricity, replacing approximately 750,000 tons of standard coal and reducing carbon dioxide emissions by over 2 million tons. This achievement has significantly contributed to Datang's high-quality development in offshore wind power.



Nanao Lemen I Offshore Wind Power Project



Advancing Green Development Shaping a New Vision for a Greener Datang

Guided by “carbon peak and carbon neutrality” strategy and aligned with the goal of building a Beautiful China, Datang International is accelerating the construction of a modern power system. By developing a multi-energy complementary system that integrates wind, PV, and thermal power, optimizing energy structure and industrial layout, the company is establishing a high-quality development cycle known as the “Four-Phase Approach”, ensuring a continuous and structured progression of projects: a batch of projects securing resource acquisition, a batch obtaining approvals and filings, a batch commencing construction, and a batch reaching completion and commissioning. With this strategic approach, Datang International is fully committed to fast-tracking the green transition, painting a new blueprint for a greener and more sustainable future.





Advancing the Green and Low-Carbon Energy Transition

Green development is the foundation of high-quality growth. With sustainability at our core, we are vigorously expanding wind power, photovoltaic (PV), and other renewable energy projects while actively exploring pumped storage, hydrogen energy, and new energy storage technologies. By accelerating the optimization of the energy mix and promoting the green and low-carbon transformation of traditional energy sources, we are making significant contributions to the development of a clean, low-carbon, safe, and efficient energy system.



Liu'ao Wind Farm in Fujian

Xingshun Wind Farm in Wulong District, Chongqing



Wind Power

The establishment and implementation of the goals of carbon peaking and carbon neutrality have created vast opportunities for the wind power industry. Seizing these development opportunities, we have strategically focused on onshore and offshore wind power projects, continuously increasing investments and making every effort to advance wind power planning, construction, and operations. By expanding wind power capacity, enhancing generation efficiency, and improving operational performance, we are driving the efficient utilization of clean energy.



Lemen Offshore Wind Farm of Datang International Shantou New Energy Company in Guangdong

In 2024

Annual wind power generation
17.907 billion kWh

Total installed capacity of wind power units
10,058.7 MW

Ruichang Wugongshan Distributed Wind Power Project (Phase II) and Nankang Longmu Township Wind Power Project of Datang International Jiangxi New Energy Company



Photovoltaic (PV) Power

We are committed to strengthening the engineering and construction management of photovoltaic projects, striving to build first-class photovoltaic power stations and promote the high-quality development of the PV industry. In addition, we actively explore integrated development models that combine photovoltaics with agriculture, aquaculture, etc., providing new momentum for local economic growth and ecological preservation.

In 2024

Annual PV power generation
5.955 billion kWh

Total installed capacity of PV units
6,041 MW



Advancing the Transformation from “Coal-Powered Aluminum” to “Green Energy-Powered Aluminum”

The Renewable Energy Substitution Project of Hohhot Aluminum & Power Company, a subsidiary of Datang International, focuses on developing ground-mounted photovoltaic systems on saline-alkali land and barren terrain, with a total installed capacity of 360 MW. The project achieves full coupling between PV power generation and a captive coal-fired power plant, supplying electricity to the company’s electrolytic aluminum production, thereby promoting the shift from “coal-powered aluminum” to “green energy-powered aluminum.” Upon completion, the project is expected to generate 700 million kWh of electricity annually, saving approximately 170,000 tons of standard coal and reducing carbon emissions by 470,000 tons each year. Its successful operation will significantly reduce fossil energy consumption and improve the regional integration and utilization of renewable energy.



360 MW Photovoltaic Project for Renewable Energy Substitution of Captive Coal-Fired Power Plant

Lvgang Photovoltaic Project of Jiangshan Xincheng Thermal Power Co., Ltd, the Zhejiang Branch of Datang International



Fishery-Photovoltaic Hybrid Model: Promoting a Green Economy

The Caofeidian Sannong Fishery-Photovoltaic Hybrid Project by Tangshan New Energy Company, a subsidiary of Datang International, covers an area of approximately 3,486 mu (about 232 hectares). The project installs photovoltaic panels on flexible supports above seawater aquaculture ponds, creating a dual-use system with a rated capacity of 120 MW. Once completed, the project is expected to save an average of 63,400 tons of standard coal annually and reduce emissions of carbon dioxide by about 174,000 tons, nitrogen oxides by 31.96 tons, and sulfur dioxide by 21.24 tons. With remarkable results in energy conservation and emissions reduction, the project plays an active role in protecting the ecological environment and improving air quality in the Tangshan region.



Caofeidian Sannong Fishery-Photovoltaic Hybrid Project of Tangshan New Energy Company

Zhao'an Fishery-Photovoltaic Project, Fujian Branch of Datang International



Hydropower

In 2024

Annual hydropower generation
32.362 billion kWh

Total installed capacity of
hydropower units:
9,204.7 MW

We focus on the development of hydropower stations along key river basins, adhering to the principle of local adaptability and making full use of the natural conditions and resource advantages within each basin. Through rational and orderly development of hydropower resources, we aim to optimize and upgrade the energy structure while promoting the sustainable development of the economy and society.



Sichuan Garze Hydropower Company



Pengshui Hydropower Station in Chongqing



Yinpan Hydropower Station in Wulong District, Chongqing

Expanding Strategic Emerging Industries

We are making continuous efforts to strengthen and grow strategic emerging industries, actively promoting the development of high-quality pumped storage, new types of chemical energy storage, virtual power plants, and smart energy solutions. At the same time, we are scaling up wind and photovoltaic new energy projects to build new competitive advantages for high-quality development.



Signing of the 2024-2025 Strategic Emerging Industries Development Responsibility Agreement

Tackling Climate Change

The Company has actively tackled climate change and fully responded to the Third Plenary Session of the 20th CPC Central Committee which regarded the improvement of green and low-carbon development mechanisms as an important task in deepening the reform of the ecological civilization system. The Company has established a sound climate-related governance systems, clearly defined climate-related strategies, and incorporated climate risks into the comprehensive risk management system. Guided by clear objectives and indicators, the Company has resolutely fought the battle against pollution in blue skies, clear waters and clean land.

Governance

Although climate change brings challenges, it also provides new opportunities for enterprise growth. Deeply recognizing the importance of climate-related risks and opportunities for the long-term development of the Company, we have strictly observed national laws and regulations such as the Law of the People's Republic of China on Environmental Protection and the Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, and built a scientific and efficient climate governance framework to address the complex challenges posed by climate change and promote sustainable development of the industry.

Climate governance framework and responsibilities



Strategy

We have followed the principles of green development such as conservation, low carbon, environmental protection and sustainable development, made overall plans for developing green energy and addressing the risks and opportunities of climate change, formulated and implemented five action plans for carbon reduction through source emission reduction, carbon reduction through technological innovation, carbon reduction through management improvement, zero-carbon negative-carbon pilot, and carbon reduction through collaborative emission reduction, actively participated in the construction of the national carbon market, and demonstrated the Company's foresight and initiative in tackling climate change.

We have been committed to accelerating structural adjustment, striving to change the current situation of coal-dominated power source structure, and rapidly transforming towards diversified and green energy sources. Our efforts include the development of offshore wind power projects, large-scale coastal beach photovoltaic power stations, and the construction of the world's largest onshore wind farm, which have effectively reduced carbon emissions and improved the efficiency and sustainability of energy utilization.

We have implemented the national action plans on energy conservation and emission reduction of coal power, continuously optimized the system and process of climate risk management, fully identified the types of climate risks and assessed the impact of the risks, formulated targeted countermeasures against climate risks, tracked and monitored major climate risks on a regular basis, and ensured to prevent the occurrence and control the expansion of climate risks, and timely resolve climate risks.

Physical risk

Risk type	Disaster type	Potential impacts	Management measures and countermeasures
Acute risk	Extreme weather	The occurrence of extreme weather events such as hurricanes, floods, extreme cold, high temperatures and heavy rainfall mainly affects the operation of the Company.	Develop emergency response mechanisms, strengthen meteorological monitoring, ensure equipment safety, adjust operational strategies, and minimize the impact of extreme weather on company operation.
Chronic risk	Climate change	The sea level rise and extreme weather events caused by climate change may pose a threat to the Company's coastal power generation facilities, affecting their long-term operation. With the intensification of climate change and the increasing attention of society to environmental issues, the Company is facing greater environmental pressure and stricter regulatory requirements.	Strengthen the protection of coastal facilities and enhance disaster resistance capabilities; Increase investment in environmental protection, optimize emissions, actively respond to social environmental concerns and regulatory requirements, and ensure long-term stable operation.

Transformation risk

Risk type	Disaster type	Potential impacts	Management measures and countermeasures
Policy and legal risks	The introduction of ecological and environmental protection policies	The increasingly strict requirements of national ecological protection policies have brought new challenges to energy conservation and environmental protection in project development, resulting in higher compliance costs.	Timely study and grasp relevant policies, strictly implement environmental and ecological protection throughout the project full life-cycle, and ensure compliance with laws and regulations concerned.
	The introduction of carbon reduction policies	Due to excessive carbon emissions and failure to actively address climate risks, the Company will face accusations and environmental lawsuits from regulatory agencies or external stakeholders.	Promote the implementation of energy conservation and consumption reduction measures, and accelerate low-carbon transformation by adopting efficient energy-saving equipment, optimizing office processes to reduce resource consumption, and promoting electronic office to reduce paper use.
Technical risk	Technological innovation risk	Technological innovation itself has uncertainties and may face risks such as research and development failures and rapid technological updates. In addition, the promotion and application of new technologies also require time and financial support, which may increase operating costs and market risks.	Strengthen the building of technology research and development teams and enhance innovation capabilities; Make diversified technology investment to spread risks; Strengthen the protection of intellectual property rights and ensure the safety of technological achievements.
Market risk	Market competition risk	With the continuous development of renewable energy technologies and the reduction of costs, more and more enterprises are entering this field, which will intensify market competition.	Strengthen market research, understand industry trends and competitor situations; Improve service quality and enhance customer satisfaction; Optimize cost structure, improve operational efficiency, and effectively respond to market competition risks.
Reputation risk	Damaged image of environmental protection	Failure to achieve expected goals in reducing carbon emissions and improving energy utilization efficiency, or exposure of environmental pollution issues, may damage the Company's image in environmental protection and trigger dissatisfaction and questioning from the public and stakeholders.	Strengthen environmental management, publicize environmental actions, actively respond to public concerns, restore and improve the image of environmental protection.

Climate Opportunities

Risk type	Disaster type	Potential impacts	Management measures and countermeasures
Energy sources	Opportunities for energy structure transformation	Climate change has driven the transformation of the global energy structure, and renewable energy has become an important trend for development.	Increase investment and development in renewable energy sources such as wind and solar power, optimize energy structure, and reduce carbon emissions.
Products and services	Opportunities of product demand	With the increasing public awareness of environmental protection, the demand for clean energy and low-carbon products continues to rise.	Develop more clean energy-based power products and services to meet market demand.
Market	Opportunities of market share	Climate change has driven changes in the global energy market, providing a broader market space for clean energy enterprises. Datang International can take this opportunity to expand its domestic and international markets and increase its market share.	Strengthen research and analysis of domestic and international markets, understand market demand and competitive situation. At the same time, strengthen strategic cooperation with partners to jointly explore domestic and international markets.

Risk Management

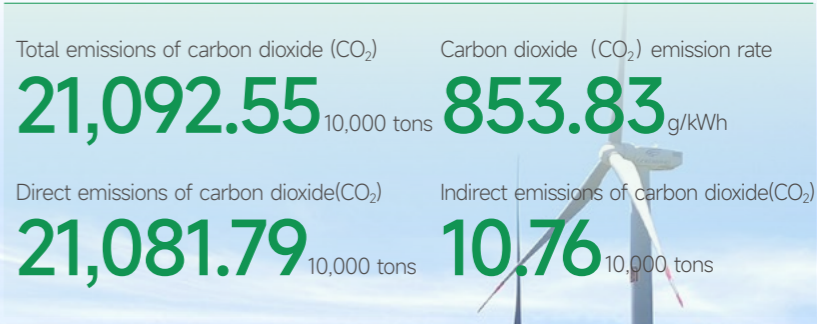
We have identified the main risks related to climate change in our business sector in accordance with the Emergency Management Measures, continuously monitored and evaluated the impact of climate risks on our business and operations, continuously improved climate-related risk management processes, and promoted the integration of climate risks into the comprehensive risk management system to ensure operational stability and asset security.

We have implemented the requirements of documents and approval opinions such as the Environmental Impact Assessment Report and the Soil and Water Conservation Report for projects, strengthened cost management and investment in environmental protection during on-site construction of the construction projects, strictly followed the design documents and construction organization design to carry out construction, and ensured that each project site could meet environmental protection requirements. We have cultivated environmental awareness and a high sense of responsibility among all employees, strictly complied with the requirements of the group company's environmental management documents, implemented various safe and civilized construction measures, and prevented construction projects from damaging the original ecological environment. No environmental protection incidents occurred during the year.

Goals and Indicators

To actively respond to the challenges brought by global climate change, we have developed corresponding goals and indicators based on our own business development to measure its progress. The Company planned to achieve more than half of the installed capacity of non-fossil energy power generation by the end of the "14th Five-Year Plan" period, and strove to achieve significant results in energy conservation and emission reduction of coal power generation. These goals and indicators have not only demonstrated the Company's determination and action in tackling climate change, but also provided clear direction and guidance for its future development.

In 2024



Practicing Low-carbon Operation

We have always been upholding the concept of low-carbon operation, strictly followed relevant laws and regulations such as the Law of the People's Republic of China on Environmental Protection and the Law of the People's Republic of China on the Conservation of Energy Resources, strove to promote the conservation and efficient utilization of energy resources, and actively implemented the strategy of green and low-carbon development. During the operation process, we continuously improved our environmental management capabilities, strengthened pollution prevention and control, and advocated green office to ensure that all production and operation can meet the most stringent environmental standards.

Intensive and Economical Use of Energy Resources

To fully ensure the standardized and institutionalized operation of the Company in energy conservation, consumption reduction, emission reduction and efficiency improvement, we have formulated the following regulations: Energy Conservation Management Measures of Datang International Power Generation Co., Ltd., Energy Conservation and Emission Reduction Management Standards of Datang International Power Generation Co., Ltd., Methods for Economic Evaluation of Thermal Power Plants of Datang International Power Generation Co., Ltd., Typical Operating Condition Analysis and Management Measures and Key Requirements for Strengthening Energy Consumption Index Management, etc. We continued to strengthen research and development in environmental protection, conducted new technology research, and continued to explore more efficient and economical carbon dioxide capture and utilization technologies, with an aim to contribute more strength to the realization of carbon peaking and carbon neutrality goals and lead the green transformation and development of the energy industry.

In 2024

in environmental protection
CNY **747.9** million

achieved the net coal consumption rate
288.47 g standard coal/kWh



Taking multiple measures to reduce energy consumption, and performing system optimization to promote intensive utilization

Huludao Thermal Power Company has formulated the Special Action Plan for Energy Conservation and Consumption Reduction in 2024, and set comprehensive energy conservation and consumption reduction targets for 2024, including detailed indicators such as coal consumption rate for power supply, water consumption rate for power generation, coal consumption rate for heating and electricity consumption rate of heating plants. Through optimizing the operation of equipment systems and conducting relevant thermal tests, the company formulated optimization measures to continuously improve the level of operation adjustment and achieve the goal of energy conservation and consumption reduction.



Wangtan Power Generation Company put into operation the first dual-membrane (UF+SWRO) seawater desalination system in China, which enables efficient utilization of water resources.



Wu'an Power Generation Company deeply carried out the project of repairing the old and utilizing the waste, effectively improving resource utilization efficiency, and promoting the company's recycling development and cost saving.

Strengthening pollution prevention and waste management

We have issued regulations such as the Management Regulations for Environmental Protection of Construction Projects of Datang International Power Generation Co., Ltd. and the Management Regulations for Pollution Source Monitoring and Information Disclosure of Datang International Power Generation Co., Ltd., improved the environmental monitoring platform, monitored the compliance with emission standards in real time, and prevented excessive emission incidents. During the project engineering design, construction and production processes, we strictly implemented various environmental protection measures and requirements proposed in the Environmental Impact Assessment Report, including air pollution prevention and control, water pollution prevention and control, classified disposal and comprehensive utilization of solid waste, soil and groundwater pollution prevention and control, environmental noise pollution prevention and control, and environmental risk prevention, etc., so as to continuously reduce the impact of our own operations on the environment.

Company environmental indicators	Unit	Year 2024
Total emissions of carbon dioxide (CO ₂)	10,000 tons	1.70
Total emissions of nitrogen oxides (NO _x)	10,000 tons	3.05
Total emissions of smoke and dust	10,000 tons	0.30
Total amount of wastewater discharge	10,000 tons	89.60
Negative environmental events	incidents	0

Pollution prevention and control actions



We have attached great importance to environmental protection, formulated technical measures to prevent instantaneous value from exceeding the standard, strengthened operation adjustment and equipment management in daily operation, controlled pollutants to stay away from emission standards, and ensured that pollutants were discharged in compliance with standards.



We have strengthened the control of unorganized emissions, improved the air quality in the region, carried out coal yard closure renovation project, and ensured the effective control of unorganized emissions in key areas.



We have strictly followed the arrangements of the superior company and government environmental protection department to reduce the emission of atmospheric pollutants.

Protecting Biodiversity

We have been upholding the concept of green development and committed to protecting biodiversity. We formulated systems such as the Measures for Supervision and Management of Ecological Environment Protection, Responsibility System for Ecological Environment Protection, Environmental Protection Technology Supervision and Early Warning System, etc., and carried out ecological restoration projects, ecological protection activities, soil and water conservation measures to maintain ecological balance and promote harmonious coexistence between human and nature.

Carrying out fish reproduction and releasing activities to protect marine ecological diversity

We attached great importance to ecological environment protection, especially the protection of aquatic biological resources. The reproduction and releasing activities are one of the important measures taken by Datang International to implement ecological civilization construction and protect biodiversity, aiming to restore and reproduce local aquatic biological resources, improve the ecological environment of water bodies, and promote the sustainable development of fishery resources. Among all companies, Sichuan Ganzi Hydropower Company has held rare fish reproduction and releasing activities for 11 consecutive years, with a total of over 3.36 million rare fish returning to the nature.



Sichuan Ganzi Hydropower Company released 330,000 rare fish into Dadu River

Fifteen years of ecological management revitalized Yanghe Wetland

At the beginning of April, a group of egrets from afar swept through the air. The Yanghe Wetland attracted more and more "elves" to play and hunt here. This is exactly where the water source of Zhangjiakou Power Generation Company is located. The company has been deeply involved in ecological management of water sources for fifteen years, successively built and put into operation ultrafiltration and reverse osmosis systems for production water and urban reclaimed water utilization systems, and carried out ultra-low emission transformation of units. The ecological environment near the water source has been significantly improved, and more than twenty species of rare migratory birds such as egrets, black storks, white spoonbills and herons have settled here.



Cleaning up beach garbage and protecting marine ecology

Guangdong Leizhou Power Generation Company organized the "Cleaning up Beach Garbage and Protecting Marine Ecology" voluntary service activities. Volunteers went to the beach near Gangcai Village to clean up white trash, advocating a green lifestyle with practical actions and jointly protecting the marine ecological environment.



Cleaning up beach garbage

Putting equal emphasis on green industry and ecological management and shaping a beautiful grassland together

The Chengde New Energy Business Division continuously promoted the development of green industries, took practical actions to protect the Earth's environment, and relied on efficient and collaborative management models and digital smart power equipment to provide clean energy to thousands of households in a stable manner. At the same time, the business division carried out soil and water conservation on a regular basis, conducted regular leveling, soil replacement, net hanging and spray-seeding on road slopes, and planted more than 20,000 trees such as sea buckthorn and Pinus sylvestris. By adding drainage ditches, retaining walls, culvert pipes and other water conservation facilities to protect the natural ecology, herds of cattle and sheep, galloping horses, as well as wild rabbits, moles, foxes, roe deer and other animals often appear in the grass on the slope, adding color and vitality to the grassland.





Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being

Datang International continues to integrate the concept of sustainable development into its strategic planning and business operations, actively fulfilling its corporate social responsibilities. The company remains committed to safe development, cares deeply about employees' well-being, and deepens cooperation with local communities and actively engages in public welfare initiatives with a strong sense of responsibility. Together with stakeholders, Datang International strives to achieve mutual benefit and shared success.



Laying a Solid Foundation for Safe Development

We regard safety and stability as top priorities essential to the company's reform and development. Adhering to the principle of "Life and Safety First", we have comprehensively strengthened workplace safety, coordinated development and safety, and enhanced energy supply protection. By maintaining a positive trend of stable and safe operations, we are providing high-level safety guarantees to support high-quality development.

Strengthening the Foundation of Safety

We have continuously improved our safety management mechanisms by formulating and issuing key institutional documents, including the *Responsibility System for Safety Production for All Employees*, *Implementation Guidelines for Graded Safety Risk Control and Hidden Hazard Management*, and *Measures for Anti-Violation Management*. We have comprehensively carried out safety risk control assessments, advanced the Three-Year Action Plan for Fundamental Safety Improvements, and promoted a "zero violations" management mechanism. Additionally, a responsibility performance evaluation system has been established to ensure accountability at every level, forming an overarching "comprehensive supervision" framework that solidifies the foundation of safety production.

In 2024

Total investment in safety production

CNY **3.654** billion

Zero incidents in the following categories: major or above personnel accidents, major or above equipment accidents, general personnel accidents, general equipment accidents, and employee casualties

0

Deepening Safe Operations

We always place safe operations as a top priority, and deploy safety measures at critical points in advance. Seasonal safety inspections are regularly carried out, with guidance provided to all enterprises to strengthen hazard source management and improve emergency response capabilities. We are firmly committed to upholding the red line and bottom line of safety and strive to achieve intrinsic safety.

In 2024

Emergency drills conducted

2,042 times

Emergency plans formulated:

1,586



Linfen Thermal Power Company in Shanxi conducts research on the safe operation of equipment



Rugao Thermal Power Company in Jiangsu carries out unit maintenance



Ningde Power Generation Company in Fujian carries out emergency drills for ammonia leakage

Fostering a Culture of Safety

We secure the bottom line of safety by promoting a strong safety culture, actively developing model safety culture demonstration projects, and deeply advancing initiatives such as the "Work Safety Month" campaign. By compiling and distributing typical accident case handbooks and organizing hands-on skills training, we continuously enhance employees' overall safety competence and strengthen their safety awareness.

In 2024

Safety training conducted

4,281 sessions

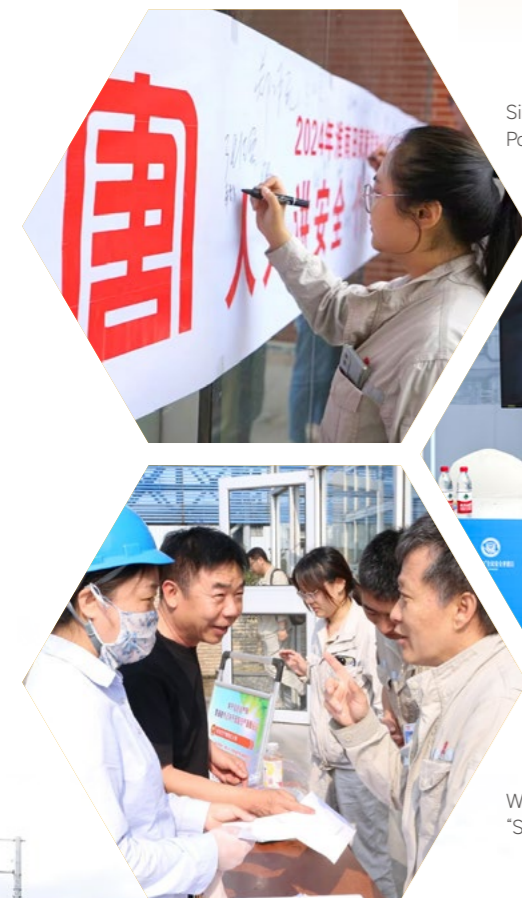
Total number of participants

137,482

Signing Ceremony of "Work Safety Month" launched by Tianjia'an Power Generation Company of Anhui Branch

Pengshui Hydropower Company in Chongqing participated in Chongqing's first "5.31 National Safety Open Day" and showcased its achievements in corporate safety culture construction

Wangtan Power Generation Company organized a "Safety Awareness Day" event



Huludao Thermal Power Company held a launch ceremony for "Work Safety Month"

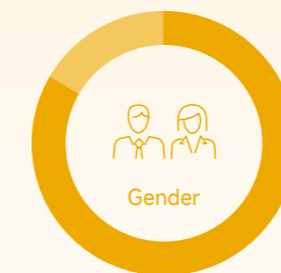
Realizing the value of employees

We strictly complied with pertinent laws, regulations, and normative documents, including the Labor Law of the People's Republic of China and the Labor Contract Law of the People's Republic of China. In particular, we provided equitable employment prospects for workers, and firmly rebuffed and rigorously combated any form of discrimination, harassment, and bullying in the workplace. Moreover, democratic governance was instituted to earnestly safeguard employees' legitimate entitlements, with each employee treated in an equitable and unbiased manner.

Protection of staff rights and interests

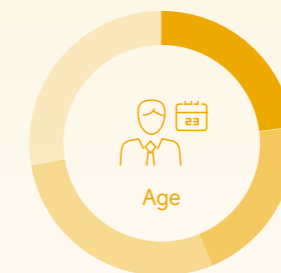
We championed employees' rights and interests, improved the salary and welfare system, and intensified democratic management. Adhering to the tenet of equal pay for equal work regardless of gender, we streamlined employment procedures, dutifully remitted social insurance contributions in line with the law, and effectively safeguarded employees' entitlements. In 2024, the total number of employees was 27,969, including 4,639 female employees and 1,628 ethnic minority employees, with an employee turnover rate of 1.5%.

Basic situation of staff structure in 2024



■ Proportion of male employees 83.41%

■ Proportion of female employees 16.59%

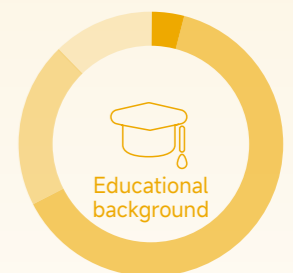


■ Aged 51 and above 23.28%

■ Aged 41-50 20.59%

■ Aged 31-40 28.26%

■ Aged 30 and below 27.87%



■ Master's degree or higher 3.92%

■ Bachelor's degree 63.51%

■ Junior college 20.21%

■ Technical secondary school or lower 12.36%

Promoting democratic management



We refined the democratic management system centered around the workers' congress. By smoothing channels for employees to articulate demands, reconcile interests, and safeguard rights, we ensured that democratic management truly struck a chord with the workforce. By the end of 2024, the participation rate of the workers' congress was 100%.

Improving the salary and welfare system



We established and improved the salary and welfare system, and made great efforts to provide employees with treatments and benefits including remuneration, social insurance, rest and leave, and labor protection. By the end of 2024, the coverage rate of social insurance was 100%, that of employees' physical examinations was 100%, and the employee satisfaction rate was 100%.

Growth and development of employees

In 2024

Training projects carried out

4,364

Number of employees trained

395 thousand person-times

Amount invested in staff training

¥ 43.07 million

We comprehensively executed the strategy of developing the enterprise by talent management, consistently recognizing talents as the linchpin for the Company's advancement. We persistently refined the meticulous talent management system and proactively broadened the high-caliber talent reservoir to fully harness and unleash talent potential. The Company furnished employees with unimpeded promotion pathways. Through devising a scientific and stringent appraisal and incentive regime and conducting diversified vocational training initiatives, it offered employees opportunities for growth and development, thus achieving a win-win situation between the Company and its talents.

Coverage of training received by employees

100 %

Coverage of training received by employees

Senior management 100%

Middle management 100%

Ordinary employees 100%

Average employee training hours

110

Employee training duration by employee category (hours)

Senior management: 126

Middle management: 129

Ordinary employees: 109.7



Establishing and improving the training system

We prioritized the all-round elevation of employees' capabilities. A comprehensive training system was established, and the training plan for all staff was stringently implemented. In strict accordance with the principle of "tailoring training to demands", we elaborately arranged a series of crucial training initiatives. These encompassed management skill enhancement courses for managers, orientation training for new employees, as well as hands-on overhaul training.



Refining the mechanism of selecting and appointing personnel

We consistently refined the system for talent selection and employment and instituted a well-structured promotion mechanism. This furnished employees with unambiguous career progression routes and anticipations. Simultaneously, we fortified the cadre contingent, and made substantial efforts in scouting and nurturing outstanding young cadres. Through unceasingly elevating their duty-performing and work competencies, we infused fresh vitality and driving force into the enterprise's sustainable growth.



Building a system of excellent talents

Organized the selection of company-level chief experts and outstanding experts, cultivated 6 on-the-job engineering doctoral candidates, 3 in-school engineering master's students, 1 top scientific & technological talent among central state-owned enterprises, 4 young top scientific talents of the group company, and 5 Datang craftsmen. One individual was granted the State Council Special Allowance. We have established an expert talent team with the structure of "ten-hundred-thousand", that is, ten leading experts, a hundred outstanding experts and a thousand professional talents.



Top talent continues to emerge

We vigorously carried out skill competitions, participated in 9 competitions organized by superior entities, and successfully completed the task of hosting the national centralized control competition. As a result, 7 technical experts in the industry, 18 outstanding skilled talents, and 1 technical expert of the group emerged. Additionally, 3 people were recommended by the China Electricity Council as "National Technical Experts".



Datang International holds a symposium for the trainees of the 2024 Young Cadre Party School Training Class



Fujian Pingtan Company implements the "mentor-apprentice pairing" initiative for knowledge transfer and skill assistance



The Company achieved excellent results in the 15th National Electric Power Industry Vocational Skills Competition (Power Generation Centralized Control Watchman)



Chongqing Pengshui Hydropower Development Company holds on-site training program

Care to employees

We extended excellent welfare packages to all employees, covering welfare leave, holiday perks, as well as a diverse array of cultural and sports activities. Actively, we strove to enrich employees' cultural experiences, placing significant emphasis on both their physical well-being and mental health. Meanwhile, we remained consistently attentive to the requirements of employees facing hardships, thereby fostering a blissful and harmonious working environment for everyone.



Datang International holds a staff basketball game



Zhejiang Power Generation Company holds an activity themed "Dragon Boat Festival: Warmth Amid Green Mugwort" during the Dragon Boat Festival



Heilongjiang Power Generation Company holds the 2024 Walking Race themed "Standing by Asian Winter Games, Standing by Enterprise Growth"



Liaoning Jinzhou Thermal Power Company organizes celebrating activity during the Lantern Festival



Jiangxi Fuzhou Power Generation Company organizes a visit to local museum



Anhui Power Generation Company holds cultural and sports activities for the Women's Day



Fujian Branch Company organizes a fun sports meeting



Shanxi Yungang Thermal Power Company organizes a cultural and artistic performance

Building a Sustainable Supply Chain

We have revised and issued the Procurement Management Regulations of Datang International, publicized and implemented the Special Work Plan for Deepening Procurement Compliance Governance of Datang International, based on which we comprehensively deepened the special governance of procurement compliance, actively promoted transparent procurement, conducted rigorous supplier evaluation and access, regularly conducted qualification audits on suppliers, and continuously enhanced the building of supply chain.



Strengthening supplier management



We carried out rigorous supplier evaluation and access, conducted comprehensive assessment and rating of existing suppliers, and comprehensively evaluated suppliers' product quality, qualification, performance ability and other indicators to ensure that equipment and material quality can meet requirements. We strictly prohibited misconducts such as bid rigging, collusion, refusal to fulfill contracts, and falsification of qualifications and performance, and continuously enhanced the building of supply chain.

Promoting procurement accountability system



We solidly promoted the deep implementation of the special governance of procurement compliance, further expanded the breadth and depth of three-level procurement supervision, enhanced the supervision of procurement management, built the integrity defense line for procurement compliance management, and continued to create a sound procurement ecosystem.



Committed to Multi-cooperation

We attached great importance to deepening strategic cooperation with local governments, enterprises, universities and authoritative research institutions, jointly drawing the blueprint for development, creating a new scenario of mutual benefits and win-win results, working together to promote industrial upgrading and transformation, continuously expanding cooperation areas, and contributing to the sustained prosperity and high-quality development of the local economy.



Heilongjiang Company participated in the 8th China-Russia Expo



Zhejiang Branch launched international visit activity on "Green Development in China: Green Development of Datang"

Giving Back to the Community

We have deeply practiced the voluntary service spirit of "dedication, friendship, mutual assistance and progress". We have held various activities such as the "Datang Youth Voluntary Service Month", educational assistance, sympathy for needy families, public welfare and environmental protection, and voluntary blood donation, to give back to the community, support public welfare undertakings and demonstrate the great love of the enterprise.



Gaojing Thermal Power Company visited local communities to provide assistance and support to the elderly



Jiangxi Branch launched joint voluntary tree-planting activities



Yunnan Company launched "Shared Blue Sky, Common Dream" Datang Warmth Delivery Activity



Chongqing Shizhu Power Generation Company carried out voluntary service activities for veterans



Volunteers from Heilongjiang Company provided full service guarantee for the 2024 Baoqing Marathon

Building Harmonious and Beautiful Countryside Communities

Upholding the concept of “unity, dedication, and pursuit of excellence” of Datang Internation in the new era, we remain committed to deepening and implementing China Datang Corporation’s distinctive support system of “Three Supports and Three Genuineness” (The “Three Supports” refers to providing aid, fostering motivation, and promoting knowledge; the “Three Genuineness” emphasizes genuine commitment, heartfelt care, and real financial input) and “Five-in-One” assistance (the “Five-in-One” focuses on targeted support across education, industry, livelihoods, employment, and Party building). Through this approach, we actively explore practical pathways to achieve high-quality and efficient rural industries, increased prosperity for farmers, and livable, sustainable rural communities—continuously singing the song of rural revitalization with the theme “Caring for the Countryside, Creating a Better Future Together.”



Strategic planning and strong leadership

We place rural revitalization at the heart of our broader development agenda, improving a tiered accountability mechanism where responsibilities are passed down and implemented at every level. We match the needs and aspirations of designated support villages with the resources and capabilities of assisting enterprises, tailoring approaches to local conditions with village-specific strategies and precise actions. In 2024, system-wide enterprises convened 18 leadership group meetings and Party committee meetings on rural revitalization, laying a strong foundation for the efficient advancement of rural revitalization efforts.



Promoting synergy for government-enterprise win-win outcomes

We actively participate in national initiatives such as the “Wind in Thousands of Towns” Plan and the “Sunlight for Thousands of Households” Action, expanding new energy project development in support areas like Xiheyang Town, Huai’an County, and Shunping County in Zhangjiakou. We have also integrated into Beijing’s “Hundred Groups Empowering Hundred Villages” campaign, successfully completing the village signage system design for Tianzhuang Village, Yanchi Town, Mentougou District, and continued with the revitalization efforts in Hanjiapu Village, Daxing District as part of the second batch of model villages.



Staying true to our mission and deepening our assistance in five aspects

We focus on improving livelihood-related support by building cultural activity centers, village squares, Party committee offices, and comprehensive service stations in the supported villages. Coordinating across industry, education, and employment, we have distributed “Three Dreams” awards and scholarships. Campaigns like “Consumption-Driven Support Week” helped promote agricultural products from supported villages, using consumption-based assistance to fuel rural revitalization.



Widespread recognition and a trusted responsibility brand

Our experience and achievements have been featured in major media outlets such as People’s Forum Online and Hebei News Network, with articles like “Demonstrating SOE Responsibility, Supporting Rural Revitalization” and “Delivering on Livelihoods, Painting a New Rural Picture.” We’ve also received numerous banners of appreciation from local governments and village committees, including Xiheyang Town Government, Caogoubu Township, Nanluotuo’an Village, Dongzhuangzi Village, Shangmingyu Village in Zhuolu County, and Tianzhuang Village in Yanchi Town, Mentougou District, Beijing—further affirming our positive impact on rural communities.



Chinese Cabbage Paves the Way to Prosperity

In the Danan Mountain area of Yuxian County, Nanluotuo’an Village and Dongzhuangzi Village rely heavily on Chinese cabbage cultivation as their primary industry. In 2024, however, heavy flooding severely reduced vegetable yields. To address this urgent challenge, Zhangjiakou Power Generation Company organized agricultural training programs, which led to a bountiful cabbage harvest. Over 3,000 metric tons of cabbage were sold to markets outside the region, boosting farmers’ incomes by approximately 23%. Meanwhile, efforts to strengthen village governance and improve overall living conditions were intensified. The average income of residents lifted out of poverty exceeded CNY 15,000, a year-on-year increase of nearly 25%. The village collective income also rose to CNY 280,000, significantly enhancing residents’ sense of happiness and fulfillment.



The village support team stationed in Nanluotuo’an Village was awarded a banner of appreciation



Qingyuan Thermal Power Company purchases locally grown jujubes to support farmers



Baoding Thermal Power Plant held a seminar on promoting rural revitalization in Xibeikou Village



Fujian Branch: Industrial assistance program – “A Plot of Land for Me in Landao”



Jiangxi Branch: Village-based First Secretary and team members participate in early-season rice production



Guangdong Branch: Donation and scholarship program to support students



Nujiang Upper Reaches Hydropower Development Company in Tibet hosted “Meet in Beijing, Set Sail for Your Dreams” educational support summer camp

Zhejiang Branch: “Green Power & Sweet Peaches – Shared Prosperity in the Green Hills” initiative





Achieving New Heights in Governance with Superb Quality and Efficiency

Datang International adheres firmly to the principles of responsible governance, embedding the compliance culture into both corporate governance and daily operations. We are committed to building a sound and comprehensive governance system, fostering a modern, intelligent operational model, and implementing compliance and risk prevention strategies. These efforts are driving the company forward on a path of steady and long-term growth, accelerating the creation of a new pattern for high-quality development.





Improving Corporate Governance

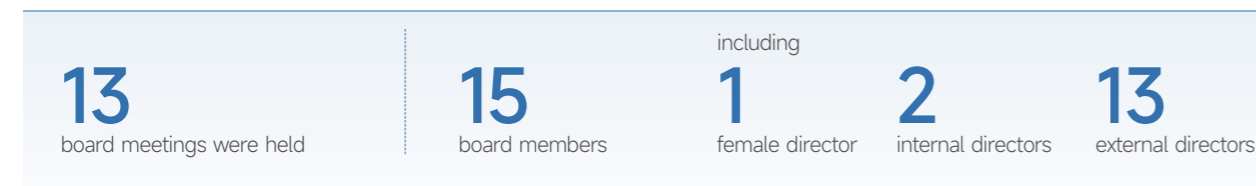
We continue to optimize our corporate governance system, upholding high standards of business ethics and firmly reinforcing the “Three Majors and One Significant” decision-making mechanism (a system requiring collective discussion and decision-making on major matters, key personnel appointments and dismissals, important project planning, and the use of large sums of funds). At the same time, we are advancing both deep institutional reform and risk governance, responding efficiently and proactively to the expectations of stakeholders. Through comprehensive coordination and strong leadership, we are guiding the company into a new stage of high-quality development.

Corporate Governance Practices

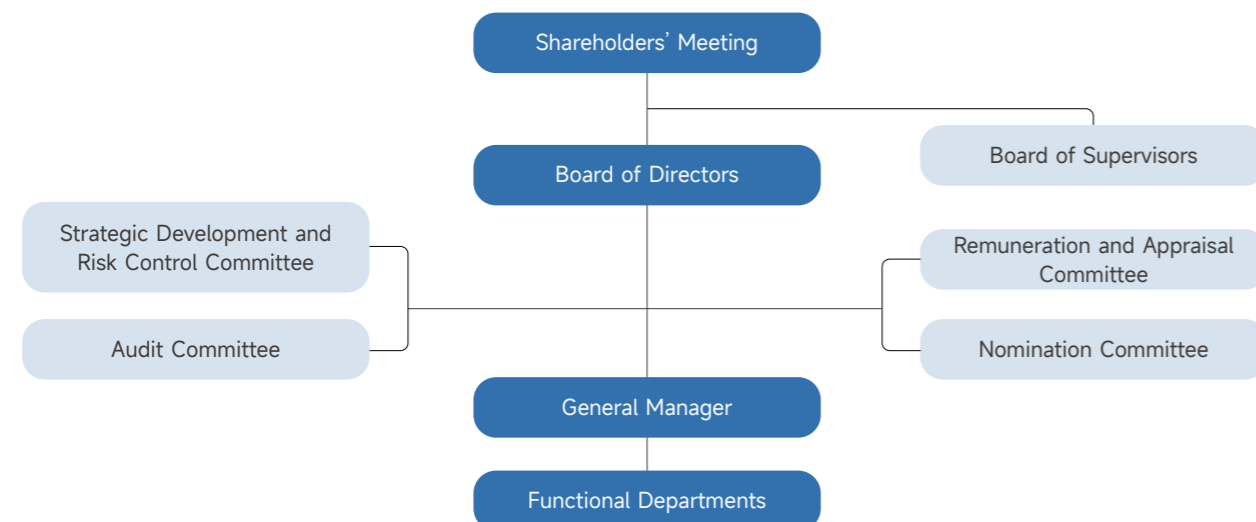
We are continuously strengthening governance in our listed companies and promoting standardized operations across the “three meetings” (Shareholders’ Meeting, Board of Directors, and Board of Supervisors) at both company and subsidiary levels. We strictly implement the “Three Major and One Significant” decision-making system, enhance shareholder participation in governance, and are building a transparent, efficient, and responsible modern enterprise governance system.

The Shareholders’ Meeting is the highest authority in the company. The Board of Directors is responsible for business decision-making. And the Board of Supervisors serves as the supervisory body. The composition of the Board of Directors and the Board of Supervisors complies with regulatory requirements. Both boards are accountable to the Shareholders’ Meeting and implement its resolutions. The management team is responsible for organizing and overseeing day-to-day operations and executing decisions made by the Board of Directors. Over the years, the Shareholders’ Meeting, Board of Directors, Board of Supervisors, and the management team have operated in accordance with the law, ensuring the protection of shareholder interests.

In 2024



Corporate Governance Structure Diagram



Law-Based and Compliant Governance

We remain committed to law-based and compliant corporate governance, with a focus on improving the accuracy and practicality of the “Three Lists” system (referring to the Administrative Power List, Regulatory List, and Negative List). While strictly following standardized decision-making procedures, we have also streamlined and optimized reporting processes to Party committees, and revised the List of “Three Majors and One Significant” Decision-Making Matters for Governance Entities of Datang International Power Generation Co., Ltd. (2024 Edition). These efforts ensure the efficient and standardized implementation of the “Three Majors and One Significant” decision-making system. In 2024, a total of 37 Party Committee meetings were held, during which 204 major topics under the “Three Majors and One Significant” framework were reviewed and deliberated.

We are not only committed to operating and expanding our business to generate reasonable economic returns for shareholders, but also to ensuring that shareholders are kept well-informed of the company’s operations and relevant updates through multiple timely and accurate communication channels. These include strictly convening and holding shareholders’ meetings in accordance with the Articles of Association, listing rules, and the relevant regulations of the Securities & Futures Commission of Hong Kong, and releasing relevant information to the shareholders in a timely manner as required by the listing rules.

Risk Management and Control

We issued the 2024 Implementation Plan for Internal Control Supervision and Evaluation of Datang International, and further refined and optimized the Datang International Internal Control Management Manual (2024 Edition). In addition, we completed the 2024 annual company-wide risk assessment, implemented monitoring mechanisms for major risks, and organized quarterly risk evaluations to ensure that all risks remain under overall control.

Investor Relations Management

We actively engage with regulatory authorities and have established a regular communication mechanism with stakeholders. Through hosting investor meetings, results briefings, and reverse roadshows, we stay closely attuned to the expectations and needs of our stakeholders. This allows us to continuously refine our business strategies and governance structure, effectively strengthening trust and support from investors, clients, suppliers, and the broader public.

Improving the investor relations system and maintaining positive engagement

We continue to enhance our investor relations framework through proactive communication with industry analysts, broadening analyst coverage, participating in broker strategy meetings, and arranging roadshows and field visits. These efforts ensure that our investor relations system remains robust and responsive, while steadily improving capital market recognition of our corporate value.

Holding high-quality earnings presentations to boost market confidence

We have consistently held high-quality earnings presentations, successfully organizing four major presentations, including the 2023 Annual Earnings Presentation and the 2024 Mid-Year Earnings Presentation. These events serve as an important bridge for communication between the company and investors, helping to build transparency and trust.

Stronger market recognition and notable progress in market value management

In 2024, 24 research reports were issued by securities firms, all assigning positive ratings. Notably, five firms released in-depth coverage reports on us for the first time, significantly expanding market visibility and further improving our investor relations system.

Restarting reverse roadshows: a new approach to investor relations management

In response to requests from certain institutional investors, we restarted reverse roadshow activities. On October 18, 2024, we invited a select group of 11 institutional investors and analysts to Tuoketuo Power Generation Company for a reverse roadshow, further enhancing our communication channels with the investor community.



Comprehensively Deepening Reforms

Further deepening reform of state-owned capital and state-owned enterprises is imperative for promptly resolving issues impeding high-quality development. We have meticulously studied and implemented the spirit of the Third Plenary Session of the 20th CPC Central Committee and actualized the deployment to deepen and upgrade the reform of state-owned enterprises. Under the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we have upheld the fundamental tenet of the Party's unswerving leadership over state-owned enterprises, and adhered to the overarching objective of fortifying, optimizing, and expanding state-owned capital and state-owned enterprises. Furthermore, we have focused on the pivotal reform aspects of enhancing core functions and elevating core competitiveness, and systematically propelled the three major transformations in quality, efficiency, and impetus.



Applying a combination of measures to enhance core functions and elevate core competitiveness.

Facing the complex energy situation, we upgraded equipment and optimized operations to ensure stable power supply. Simultaneously, we actively implemented the "carbon peaking and carbon neutrality" strategy, vigorously developed wind and solar energy, and enabled a number of large-scale new energy bases to operate at full capacity, achieving solid headway in high-quality development and highlighting our role as the "stabilizer" for energy security. Moreover, we increased R&D investment and collaborated with universities and research institutions to make breakthroughs in key technologies, so as to enhance our core competitiveness.



Deepening institutional reforms in unity of form and spirit.

We continuously promoted the construction of the "Four Capabilities" mechanism, actively built a new type of production relations, and optimized the internal organizational structure to stimulate the vitality of the organization and improve operational efficiency. Through a scientific evaluation system with a focus on performance and capabilities, we enabled the capable to move up and the mediocre to step down. We built a market-oriented platform for selecting and employing personnel, smoothing the channels for staff recruitment and turnover. Moreover, we optimized the salary distribution system linked to performance, and further improved the quality and expanded the scope of tenure-based and contractual management, fully mobilizing the enthusiasm of employees. As a result, we achieved the efficient allocation of human resources and the continuous enhancement of the enterprise's core competitiveness.



Boosting management and governance efficiency in all respects.

We dynamically refined the list of matters subject to the pre-study procedures of the Party Committee and the "Three Majors and One Large" decision-making system, clarifying the responsibilities, meeting procedures, and decision-making scopes of each involved body. We consistently enhanced the corporate governance structure and adopted a flat management model, which streamlined the decision-making process and substantially boosted operational efficiency. In addition, we developed a system for Board of Directors' construction, completed the construction of "routine, risk-control, and compliance-oriented" Boards of Directors by classification, implemented the "five powers and functions" in a differentiated manner, and dispatched full-time external directors to subsidiary enterprises.

Being dedicated to innovative development

We vigorously promoted the spirit of exploration and innovation. We took active steps to enhance the sci-tech innovation system by formulating *the Sci-tech Innovation and Development Plan of Datang International Power Generation Co., Ltd. for the 15th Five-Year Plan*, and continuously improved the sci-tech innovation system. In addition, efforts were exerted to expedite the integration process of sci-tech project management and R&D investment management. The construction of technological innovation platforms was fortified, and due emphasis was placed on the cultivation of innovative talents, thereby revitalizing the enterprise's innovation and creativity.

In 2024

It was awarded authorized patents

312

It received the authorization invention patents

71

It promoted sci-tech innovation achievements

22

It prepared set of standard at or above the industry level from the China Electricity Council and the China Electrical Equipment Industry Association.

3

with the cumulative number of patents obtained reaching

2,730

bringing its cumulative total of invention patents to

373

It invested in R&D

CNY 2,436 million

the R&D intensity reached

1.97 %

Its sci-tech innovation awards amounted to

CNY 7.2902 million

There was one national-level sci-tech innovation talent

1



Liaoning Jinzhou Thermal Power Company tackles the research project on the development and application of the steam admission regulation system for the low-pressure cylinder of steam turbines.



The innovative accomplishment of Zhangjiakou Thermal Power Generation Company, namely "R&D of Intelligent Substation Patrol Robots", claims the Gold Award in the presentation contest of the 49th International Convention on Quality Control Circles (ICQCC).



Triumphing over formidable hardships to bring the offshore wind farm project to completion

Fujian Pingtan Company spearheaded project construction with technological innovation, steadily propelling forward the group's pivotal R&D initiative, "Research on Key Technologies of Floating Foundation Platform Wind Turbines". The 110 MW Changjiang'ao offshore wind farm project attained full-capacity power generation, marking the maiden batch application of the large-diameter single-pile-barrel composite foundation. This innovative design surmounted a slew of engineering hurdles in the rocky seabed zone, including arduous socketed pile work, protracted construction schedules, and elevated risks. As a result, it significantly enhanced construction efficacy and slashed project expenses.



The construction of the first suction bucket penetration in the project is successfully completed, with the horizontal degree controlled within 2‰ throughout the whole process, reaching the world's leading level.

The 110 MW Changjiang'ao offshore wind farm project



Strengthening digital transformation

We pursued the digital transformation of Datang, expediting the shift and persistently exploring synergy in digital production. We rolled out cutting-edge innovations like "unmanned" smart wind farms, visualized smart control, and self-reliant applications across grass-roots operations, significantly propelling the establishment of smart power plants.



Piloting the patrol, operation and maintenance of the "unmanned" smart wind farm.

Chengde Renewable Energy Business Division delved into research on the application technology of "unmanned" smart wind farms. The smart management system was configured in line with six functional modules: "unattended operation, intelligent patrol, task control, non-compliance identification, operation surveillance, and condition-based maintenance". This enabled functions like intelligent patrol, intelligent video recognition, staff behavior management, and audio-visual alerts at the wind farm. As a result, it enhanced the quality of equipment monitoring in the wind farm and alleviated the labor intensity and operational risks for maintenance staff.

The drone inspects the photovoltaic panels



Weizhou Energy Company's rail-mounted intelligent patrol robot in the coal transporting trestle



Gaojing Thermal Power Branch establishes a smart security system, and the staff carries out daily maintenance and debugging of the patrol robot



Chongqing Pengshui Hydropower Development Company introduces a 5G + robot intelligent patrol system



Tuoketuo Power Generation Company officially launches the first replicable and demonstrative "Datang ICS" intelligent control platform, which is independently controllable and adheres to the standards of its own brand.

Implementing Lean Management

We are advancing lean management across all elements and processes, establishing a "daily dispatch" management system to drive ongoing efforts in cost reduction and efficiency improvement. These initiatives aim to enhance our value creation capacity and ensure the preservation and appreciation of state-owned assets.



Guangdong Chaozhou Power Generation strengthened supervision of inventory taking for gradual optimization of units generation strategy



Heilongjiang Harbin First Thermal Power Plant focused on improving productive efficiency to increase the generation of cost-effective electricity



Lean Management for Quality and Efficiency Enhancement

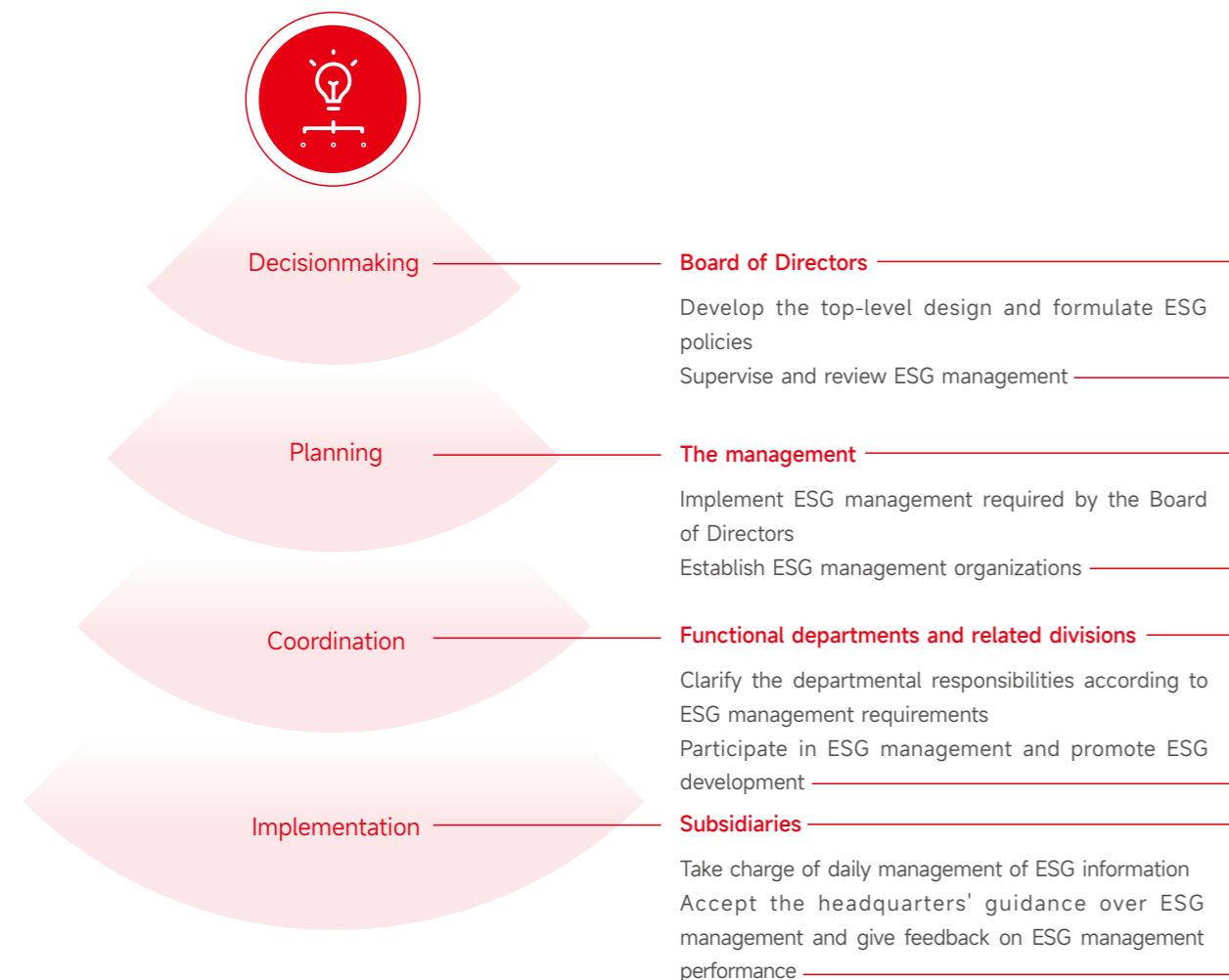
Panshan Power Generation Company formulated and implemented the 2024 Profitability Enhancement Action Plan and the 2024 Quality and Efficiency Improvement and Growth Stabilization Plan. By adopting a "daily control, weekly dispatch" mechanism, launching a real-time business reporting system, and optimizing coordination across power generation, planning, finance, and fuel management, the company has effectively balanced coal supply with electricity output, safety with profitability, and pricing with inventory levels, thereby improving overall operational performance.

ESG Management

Highlighting ESG management, Datang Power is aimed at fulfilling its sustainable development goals and facilitating those around the world and embedding the philosophy into business operation.

Governance Structure

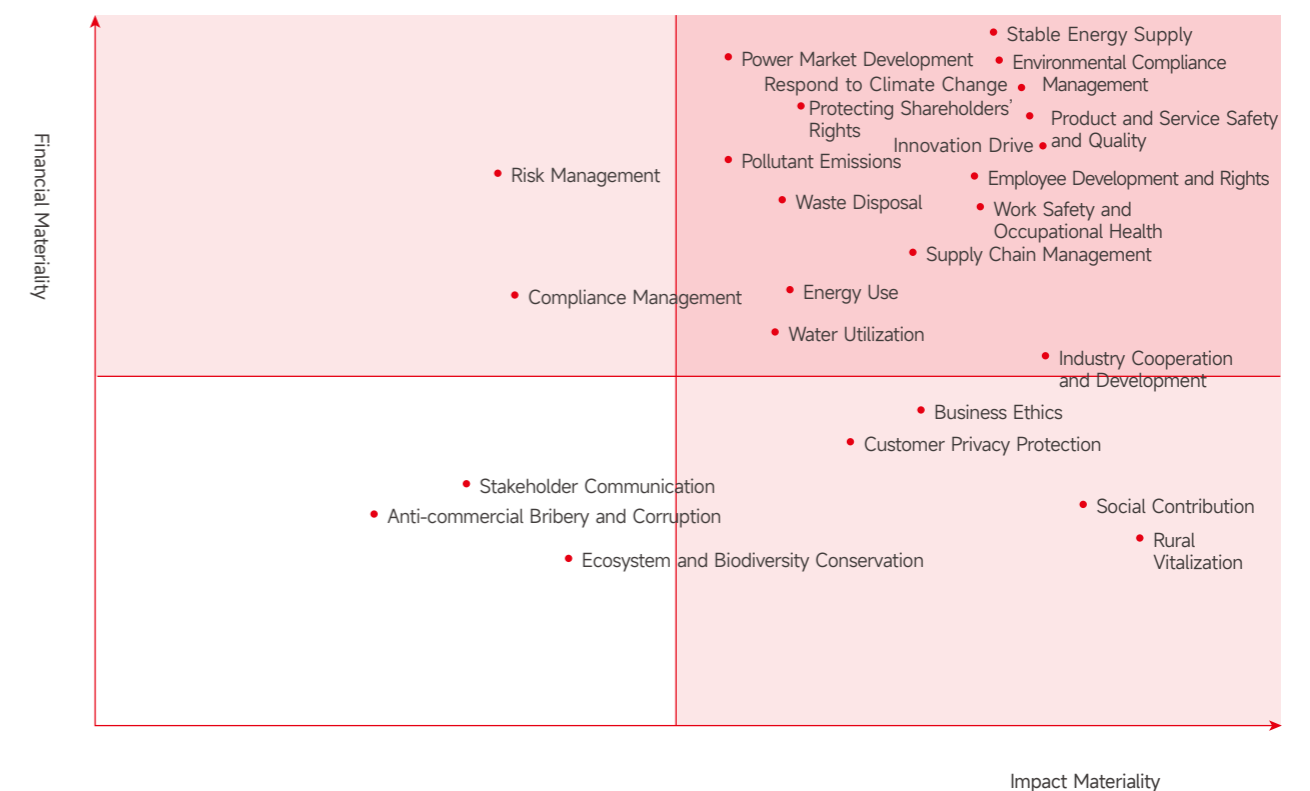
We have established an ESG governance structure where the Board of Directors takes on the function of decision-making, the management level is responsible for overall planning and all functional departments coordinate with each other. The Board reviews annual ESG reports to supervise the efficacy of the Company's ESG work. A planning and development strategic committee, an environmental protection management leading group and other organs have been established at the management level to implement ESG management requirements and report to the Board. The functional departments participate in ESG governance and advance ESG work. The subordinate units are responsible for the management of ESG work and are subject to the guidance of the headquarters.



Substantive issues

The Company combined the expectations and demands of various stakeholders with the actual development situation of Datang International. With reference to the *Guidelines No. 14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies—Sustainability Report (Trial)*, the *Environmental, Social and Governance Reporting Code* of the Hong Kong Stock Exchange, the *GRI Standards*, and the *IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information* and the *IFRS S2 Climate-related Disclosures of the International Sustainability Standards Board*, the Company identified substantive issues meeting the ESG governance requirements of Datang International from the two dimensions of financial materiality and impact materiality.

Stable Energy Supply	Innovation Drive	Respond to Climate Change	Protecting Shareholders' Rights	Environmental Compliance Management
Energy Use	Pollutant Emissions	Ecosystem and Biodiversity Conservation	Employee Development and Rights	Work Safety and Occupational Health
Power Market Development	Waste Disposal	Water Utilization	Compliance Management	Risk Management
Industry Cooperation and Development	Supply Chain Management	Stakeholder Communication	Social Contribution	Rural Vitalization
Anti-commercial Bribery and Corruption	Customer Privacy Protection	Business Ethics	Product and Service Safety and Quality	



Stakeholders Engagement

Highly valuing the stakeholder communication, we identify the feedback and expectations of all stakeholders on the Company and improve our ESG performance with a variety of communication mechanisms and channels, thus effectively responding to the needs of all parties.

Stakeholders	Expectations and Requirements	Communication Methods	Performance Indicators
 Shareholders and investors	<ul style="list-style-type: none"> Stable Income Sound Risk Management Corporate Governance and Operations Operation in Compliance Improving Profitability Increasing Market Value Reducing the Operational Risk ESG Performance 	<ul style="list-style-type: none"> Annual Report of Datang Power The General Meeting of Shareholders Roadshow or Reverse Road show Performance Presentation Daily Communication ESG Report 	<ul style="list-style-type: none"> Close Communication with Investors Improving the Timeliness of Information Disclosure Enhancing the Profitability of the Company Adopting Market Suggestions to Improve the Management of Datang Power
 Customers	<ul style="list-style-type: none"> Contract Fulfillment Quality Assurance Service Guarantee Mutual Benefit Protection of Customers' Rights Customer Privacy Protection Caring for Vulnerable Groups 	<ul style="list-style-type: none"> WeChat Official Account, Official Website Customer Satisfaction Survey 	<ul style="list-style-type: none"> Strictly Keeping Business Secrets Protecting Customer Information Providing High-quality, Efficient, Safe and Green Energy
 Staff	<ul style="list-style-type: none"> Safeguarding the Legitimate Rights of Employees Ensuring Occupational Safety and Health Providing Reasonable Remuneration and Benefits Access to Equitable Career Development Opportunities Caring for Retired Employees 	<ul style="list-style-type: none"> Workers' Congress and Labor Union Employee Seminar Organizing Vocational Training Employee Mutual Care Activities Feasible Suggestions Business Disclosure Daily Communication Employee Physical Examination 	<ul style="list-style-type: none"> Signing Labor Contracts According to Law and Adopting Democratic Management Establishing Occupational Safety Management System and Strengthening Occupational Health Protection of Employees Providing Sound Compensation and Benefits Guarantee Providing Systematic Career Planning and Employee Development Training Visiting Retired Employees and Providing Services for Retired Employees
 Partners	<ul style="list-style-type: none"> Win-win Partnership Clean Business Environment Establishing Harmonious and Interactive Friendly Relations Promoting the Sustainable Development of the Industry Achieving Win-win Cooperation and Common Development 	<ul style="list-style-type: none"> Industry Associations Cooperation Agreement High-Level Mutual Visits Strategic Cooperation Regular Communication Meeting 	<ul style="list-style-type: none"> Constantly Expanding Communication and Cooperation Channels Strengthening Communication and Cooperation with Stakeholders

Stakeholders	Expectations and Requirements	Communication Methods	Performance Indicators
 Government and Regulatory	<ul style="list-style-type: none"> Legal Compliance Energy Conservation and Emission Reduction Promoting Employment Responding to National Strategies Paying Taxes According to Law 	<ul style="list-style-type: none"> Attending Meetings Work Reports Information Submission Participating in Relevant Seminars Organized by Government or Regulatory Agencies 	<ul style="list-style-type: none"> Accelerating the Transformation of the Mode of Economic Development Complying with Laws and Regulations Actively Communicating with Relevant Regulatory Authorities
 Communities	<ul style="list-style-type: none"> Improving People's Livelihood Community Communication Charity Supporting Regional Economic Development Protecting Living Environment of Communities Establishing Harmonious Community Relations 	<ul style="list-style-type: none"> Cooperation and Joint Construction Charitable Activities Organizing Volunteer Activities Carrying out Donation Activities 	<ul style="list-style-type: none"> Driving the Economic Development of Areas where Our Operations are Located Organizing Charitable Activities on Environmental Protection Launching Community-based Volunteering Activities
 Environment	<ul style="list-style-type: none"> Environmental Protection Effective Utilization of Resources Energy Conservation and Emissions Reduction Addressing Climate Change 	<ul style="list-style-type: none"> Organizing Public Welfare Activities on Environmental Protection Green Operation 	<ul style="list-style-type: none"> Developing Circular Economy Implementing the Green Office Ensuring All Pollutants to be Discharged up to Standard
 Suppliers	<ul style="list-style-type: none"> Long-term Cooperation Keeping Promise Open, Fair and Impartial Procurement Common Development Mutual Benefit 	<ul style="list-style-type: none"> Supplier Conference Bidding Information Disclosure Strategic Cooperation Cooperation Agreement 	<ul style="list-style-type: none"> Implementing Open and Transparent Business Principles and Processes Standardizing Management and Honoring Contracts and Agreements Implementing Responsible Procurement



Outlook

In 2025, the concluding year of the 14th Five-Year Plan and the layout year of the 15th Five-Year Plan, we will adhere to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, fully implement the spirit of the 20th National Congress of the Communist Party of China (CPC) and the second and third plenary sessions of the 20th CPC Central Committee. We will focus on enhancing core functions and competitiveness, and coordinate high-quality development, high-level security, and high-efficiency operations. Our efforts will center on enhancing

the efficiency of existing assets, achieving cost leadership, optimizing incremental growth, and upgrading our position. We are determined to win the battles for high-quality development, quality and efficiency improvement, the conclusion of comprehensive reform, electricity volume and price defense, and loss-making enterprise turnaround. Our goal is to build a world-class listed company with strong innovation, competitiveness, development capacity, and risk resistance, and to write a new chapter in the modernization of China's energy and power sector.



Key Performance

Economic

Indicator	Unit	2022	2023	2024
Total installed capacity	MW	71,024	73,291	79,111
Proportion of clean energy	%	33.10	37.75	40.37
Electricity generation	TWh	26.19	27.50	28.52
Total assets	RMB billion	305.1	303.999	322.602
Revenue	RMB billion	114.6	120.7	121.8
Net profit	RMB billion	-0.871	3.005	6.858
Net profit attributable to shareholders of listed companies	RMB billion	-0.405	1.367	4.506

Social

Indicator	Unit	2022	2023	2024
Number of on-job employees	-	31,127	29,077	27,969
Number of female employees	-	5,366	4,976	4,639
Number of minority employees	-	1,649	1,630	1,628
Employee turnover rate	%	3	2	1.5
Coverage of collective contract	%	100	100	100
Social insurance coverage	%	100	100	100
Employee physical examination coverage	%	100	100	100
Staff training funds	RMB 10,000	4,007	6,609	4,307
Average training hours per employee	hour	98	112.2	110
Trade union membership rate	%	100	100	100

Environmental

Indicator	Unit	2022	2023	2024
Total CO ₂ emissions	10,000 tons	19,196	19,703	21,092.55
Direct CO ₂ emissions	10,000 tons	19,186	19,686	21,081.79
Indirect CO ₂ emissions	10,000 tons	9.7	17	10.76
CO ₂ emission rate	g/kWh	817.8	856.8	853.83
Total NO _x emissions	10,000 tons	2.770	2.852	3.047
NO _x emission rate	g/kWh	0.12	0.119	0.121
Total SO ₂ emissions	10,000 tons	1.61	1.636	1.704
SO ₂ emission rate	g/kWh	0.07	0.069	0.068
Total dust emissions	10,000 tons	0.250	0.262	0.295
Dust emission rate	g/kWh	0.011	0.011	0.012
Total fly ash emissions	10,000 tons	3,369.70	3,379.58	3,517.97
Comprehensive utilization rate of fly ash	%	65.31	73.25	78.40
Total gypsum emissions	10,000 tons	564.04	566.42	604.64
Comprehensive utilization rate of gypsum	%	80.02	86.14	81.83
Total water consumption	10,000 tons	17,894.83	18,790.35	18,758.78
Water consumption of per kWh of power generated	kg	0.80	0.79	0.79
Total oil consumption	10,000 tons	0.63	0.74	0.78
Oil consumption of per GWh of power generated	ton	0.0282	0.0312	0.0326
Comprehensive power consumption rate	%	5.67	5.66	5.68
Coal consumption per kWh of power supply	gce	290.82	289.36	288.47



Report Index

ESG Reporting Guide Index

Indicators	Report Content	Page
A.Environmental		
Aspect A1- Emissions	General Disclosure Information on: (a) the policies; and (b)compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P28-29
	A1.1 The types of emissions and respective emissions data	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P29
	A1.2 Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g., per unit of production volume, per facility).	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operatio P29
	A1.3 Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g., per unit of production volume, per facility)	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P29
	A1.4 Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g., per unit of production volume, per facility)	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P29
	A1.5 Description of emission target(s) set and steps taken to achieve them.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P28-29
	A1.6 Description of how hazardous and nonhazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P28-29
	General Disclosure Policies on the efficient use of resources, including energy, water and other raw materials	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P28-29
Aspect A2- Use of Resources	A2.1 Direct and/or indirect energy consumption by type (e.g., electricity, gas or oil) in total (kWh in '000s) and intensity (e.g., per unit of production volume, per facility)	Key Performance ——Environmental P65
	A2.2 Water consumption in total and intensity (e.g., per unit of production volume, per facility)	Key Performance ——Environmental P65

Indicators	Report Content	Page
Aspect A2- Use of Resources	A2.3 Description of energy use efficiency target(s) set and steps taken to achieve them.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P28-29
	A2.4 Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P29
	A2.5 Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced	Note: It is not applicable due to the business type of the Company.
Aspect A3-The Environment and Natural Resources	General Disclosure Policies on minimizing the issuer' s significant impact on the environment and natural resources.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation P28-29
	A3.1 Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them	Advancing Green Development Shaping a New Vision for a Greener Datang ——Practicing Low-carbon Operation ——Protecting Biodiversity P28-31
Aspect A4- Climate Change	General Disclosure Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Tackling Climate Change P25-26
	A4.1 Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them.	Advancing Green Development Shaping a New Vision for a Greener Datang ——Tackling Climate Change P24-27
B. Social		
Aspect B1- Employment	General Disclosure Information on: (a) the policies; and (b)compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees P37
	B1.1 Total workforce by gender, employment type, age group and geographical region	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees P37
	B1.2 Employee turnover rate by gender, age group and geographical region	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees P37
Aspect B2- Health and Safety	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Laying a Solid Foundation for Safe Development P34-35

Indicators		Report Content	Page
Aspect B2- Health and Safety	B2.1 Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Laying a Solid Foundation for Safe Development	P34
	B2.2 Lost days due to work injury	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Laying a Solid Foundation for Safe Development	P34
	B2.3 Description of occupational health and safety measures adopted, how they are implemented and monitored	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Laying a Solid Foundation for Safe Development	P34-36
Aspect B3- Development and Training	General Disclosure Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees	P38
	B3.1 The percentage of employees trained by gender and employee category (e.g., senior management, middle management)	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees	P38
	B3.2 The average training hours completed per employee by gender and employee category	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees	P38
Aspect B4- Labour Standards	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees	P37
	B4.1 Description of measures to review employment practices to avoid child and forced labour.	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Realizing the value of employees	P37
	B4.2 Description of steps taken to eliminate such practices when discovered.		Note: During the reporting period, there was no violation of relevant laws and regulations.
Aspect B5- Supply Chain Management	General Disclosure Policies on managing environmental and social risks of the supply chain	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Building a Sustainable Supply Chain	P41
	B5.1 Number of suppliers by geographical region	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Building a Sustainable Supply Chain	P41
	B5.2 Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Building a Sustainable Supply Chain	P41
	B5.3 Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Building a Sustainable Supply Chain	P41
	B5.4 Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Building a Sustainable Supply Chain	P41

Indicators		Report Content	Page
Aspect B6- Product Responsibility	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.	Special Feature 1 : Comprehensive Enhancement of Energy Supply Capabilities Special Feature 2 : A New Outlook on Green and Low-Carbon Development Advancing Green Development Shaping a New Vision for a Greener Datang ——Advancing the Green and Low-Carbon Energy Transition Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Laying a Solid Foundation for Safe Development	P10-15 P18-23 P34-36
	B6.1 Percentage of total products sold or shipped subject to recalls for safety and health reasons.		Note: It is not applicable due to the business type of the Company.
	B6.2 Number of products and service related complaints received and how they are dealt with	Advancing Green Development Shaping a New Vision for a Greener Datang ——Advancing the Green and Low-Carbon Energy Transition	P18-23
	B6.3 Description of practices relating to observing and protecting intellectual property rights.	Achieving New Heights in Governance with Superb Quality and Efficiency ——Being dedicated to innovative Development ——Strengthening digital transformation	P52-55
	B6.4 Description of quality assurance process and recall procedures.		Note: It is not applicable due to the business type of the Company.
	B6.5 Description of consumer data protection and privacy policies, how they are implemented and monitored	Special Feature 1 : Comprehensive Enhancement of Energy Supply Capabilities	P10-13
Aspect B7-Anti- corruption	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	Achieving New Heights in Governance with Superb Quality and Efficiency ——Improving Corporate Governance	P48-49
	B7.1 Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Achieving New Heights in Governance with Superb Quality and Efficiency ——Improving Corporate Governance	P48-49
	B7.2 Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored	Achieving New Heights in Governance with Superb Quality and Efficiency ——Improving Corporate Governance	P48-49
Aspect B8- Community Investment	B7.3 Description of anti-corruption training provided to directors and staff.	Achieving New Heights in Governance with Superb Quality and Efficiency ——Improving Corporate Governance	P48-49
	General Disclosure Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Giving Back to the Community ——Building Harmonious and Beautiful Countryside Communities	P43-45
	B8.1 Focus areas of contribution (e.g., education, environmental concerns, labour needs, health, culture, sport)	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Giving Back to the Community ——Building Harmonious and Beautiful Countryside Communities	P43-45
	B8.2 Resources contributed (e.g., money or time) to the focus area	Fulfilling Responsibilities and Writing a New Chapter of Harmony and Well-being ——Giving Back to the Community ——Building Harmonious and Beautiful Countryside Communities	P43-45



Feedback

Dear Readers,

Thank you for taking time to read Datang Power's 2024 Sustainable Development Report (Environmental, Social and Governance Report). To improve our performance and our next report, we hope you can give us some feedback on the following aspects:

Choice questions (Please tick in the corresponding option)

1.Which type of stakeholder are you?

☐ Government

☐ Investor

☐ Partner

☐ Peer

☐ Employee

☐ Customer

☐ Community and the public

☐ Media

☐ Supplier / contractor

☐ NGO

☐ Others _____

2. What do you think of Datang Power's social responsibility performance?

☐ Very good

☐ Good

☐ Average

☐ Poor

3. What is your overall impression of the Report?

☐ Very good

☐ Good

☐ Average

☐ Poor

4. How about the quality of social responsibility information disclosed in the report:

☐ Very good

☐ Good

☐ Average

☐ Poor

5. How about the report structure?

☐ Very good

☐ Good

☐ Average

☐ Poor

6. What do you think of the layout design and presentation of the report:

☐ Very good

☐ Good

☐ Average

☐ Poor

7. Is there any suggestion on our CSR performance?

8. What kind of additional information do you expect to see in the Report?

Access to the Report

The report is available in both Chinese and English.
For a hard copy, please contact:

Tel: 010-88008058

Email: dtgj_xcc@163.com

 This report is printed on environmental-friendly paper.