



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

# 2023

## Social Responsibility Report

Environmental, Social and Governance Report



# About This Report

This is a CSR 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 2023 to 31 December 2023, and some contents are beyond the above scope.

## Reporting Cycle

This is the 16th annual CSR Report published by Datang Power.

## Basis of Compilation

This Report is prepared in accordance with the *Guidelines to the Central State-owned Enterprises Directly under the Central Government on Fulfilling Corporate Social Responsibilities* issued by the State-owned Assets Supervision and Administration Commission of the State Council (SASAC), the *Environmental, Social and Governance Reporting Guide* of The Stock Exchange of Hong Kong Ltd.(ESG Reporting Guide), *Rules Governing the Listing of Stocks on Shanghai Stock Exchange* (revised in February 2023), the *Guidelines No. 1 for Self-Regulation of Listed Companies— Standardized Operation of Listed Companies* released by the Shanghai Stock Exchange, and the *GRI Sustainability Reporting Standards* (GRI Standards) issued by the Global Sustainability Standards Board (GSSB).

## 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/> ).



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# Our Greetings

The year 2023 marked the first year for fully implementing the guiding principles from the 20th National Congress of the Communist Party of China [CPC]. Over the past year, we thoroughly studied and implemented Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, while resolutely following its guidance. We fully comprehended the instructions articulated by General Secretary Xi Jinping during his inspection in Beijing on February 6, 2014. Concurrently, we comprehensively fulfilled the work requirements outlined by China Datang Corporation (CDT). We pursued high-quality development as our overarching task, seeking progress while ensuring stability and improving quality. We courageously acted as a driving force in "aiming high, fostering innovation, and advancing forward," while remaining committed to our original aspiration of "Provide Clean Energy to Light up a Better Life." During the past year, we spared no effort in ensuring power supply, stabilizing growth, promoting development, advancing reform, and strengthening Party building. We successfully accomplished all tasks for the year, contributing to Chinese modernization through the provision of high-quality energy and electricity services.

**In 2023, we steadfastly fulfilled our responsibility to guarantee power supply, showcasing the pivotal role of central energy and power enterprises as the backbone and stabilizing force.** As a leading state-owned energy and power company, we remained deeply aware that ensuring energy security is a matter of utmost importance for "the country's most fundamental interests." Therefore, we actively tackled severe challenges including high coal prices, severe drought impacting hydropower generation, repeated bouts of extreme weather, and natural disasters. We enhanced organizational leadership and established long-term mechanisms. Meanwhile, we implemented various measures to guarantee energy and electricity supply, and coordinated the progress of various tasks related to work safety, as well as electricity and heat supply. We successfully fulfilled peak load management duties during both summer and winter peaks, as well as during major events such as the Belt and Road Forum for International Cooperation held in Beijing, the Hangzhou Asian Games and Chengdu Universiade. In addition, we achieved significant outcomes in ensuring the supply of heat and electricity last winter and this spring.

**In 2023, we continued to refine our approach to lean management, elevating our commitment to enhancing quality and efficiency to unprecedented levels.** We consistently upheld the principles of lean management, placing paramount importance on value creation and performance enhancement in our day-to-day operations. Concurrently, we closely aligned our fuel strategies with market dynamics and focused on optimizing margins in our marketing strategies. Placing an emphasis on key elements, core indicators, and critical challenges, we spared no effort to reduce coal prices, procure electricity, stabilize pricing, manage costs effectively, and boost revenue generation. These initiatives resulted in positive outcomes, including improved quality, enhanced efficiency, and increased value creation. With concrete actions, we worked to strengthen, expand, and increase the returns on state capital and enhance the strength, quality, and size of SOEs, thereby bringing the strategic support of the state-owned sector into full play.

**In 2023, we charted our course towards green and low-carbon development, and accelerated the transformation of the energy and power sectors.** With a focus on enhancing science and technology innovation, implementing industrial control measures, and ensuring safety, we vigorously fostered strategic emerging industries such as new energy, in accordance with the principle of building the new before discarding the old. Meanwhile, we systematically advanced the transformation and upgrading of existing coal-fired power projects and the construction of new ones. We coordinated efforts to expedite the development and efficiency of new energy sources, improve the quality and efficiency of coal-fired power projects, and expand our portfolio of new industries. In the past year, we completed power supply projects with an approved total capacity of 12.7824 GW, and added new installed capacity of 4.7992 GW. The total installed power generation capacity exceeded 73 GW, with the proportion of clean energy increasing by 4.65 percentage points compared to the previous year. All of these accomplishments have contributed to the development of new energy and electricity systems.

**In 2023, we energetically advanced reform and innovation to boost development momentum and innovation vitality.** With a focus on enhancing the quality of listed companies, we comprehensively launched a new round of actions to deepen and enhance SOE reforms, aiming to continuously refine the modern corporate governance with distinctive Chinese features. We also updated the lists of major responsibilities and work rules at all levels, with a focus on modernizing our corporate governance systems and capabilities. Striving towards becoming the source of original technologies and the head of the modern industrial chain, we directed our attention to the forefront of green and low-carbon energy development, consistently bolstered our innovation system, and leveraged major projects to drive key technological breakthroughs.

**In 2023, we remained committed to the Party's leadership, strengthened Party building, and cemented our ideological foundation based on loyalty to the Party and adherence to its core.** We enhanced the institutional mechanism for "upholding Comrade Xi Jinping's core position on the Party Central Committee and in the Party as a whole, and upholding the Central Committee's authority and its centralized, unified leadership." Meanwhile, we progressively refined the "Four Firsts" working mechanism tailored for studying and implementing General Secretary Xi Jinping's important instructions and directives. We set rigorous standards for conducting two rounds of themed education, which significantly bolstered the political, ideological, and practical capacities of both Party officials and members. Utilizing inspections conducted by the CPC

Central Committee and the rectification of issues identified by national audits as opportunities, we propelled the Company's reform and improvement forward. We continued to excel in various areas, including the selection and appointment of capable individuals, personnel training and attraction, strengthening of our foundation, enhancing our brand, and fostering cultural development. Moreover, we led and ensured high-quality development through high-quality Party building. Simultaneously, we advanced the "Happy Datang" initiative, systematically progressed with the "Five Blessings" scheme and implemented projects aimed at solving the six most pressing issues for employees. Through these initiatives, we prioritized the well-being of our employees while endeavoring to cultivate a motivated and principled workforce.

**In 2023, we united with a shared commitment to pursue excellence and improve the people's well-being.** We consistently prioritized the harmonious development of business operations in alignment with the economy, environment, and society. Upholding Datang Power's ethos of philanthropy, we pressed ahead with the key tasks for rural vitalization. Specifically, while offering assistance to people in rural areas, we endeavored to help them build up self-belief and gain access to education by providing them with genuine and substantial financial support. Concurrently, we orchestrated the integration of assistance initiatives across education, industry, livelihood improvement, employment, and Party building. We have brought together the collaborative efforts of both the government and enterprises, actively promoting rural vitalization and

extending the supportive influence of the CPC Central Committee to rural communities. In partnership with all stakeholders, we spared no effort to enhance the welfare of local residents.

Seeking truth, pragmatism, and hard work are our guiding principles. The year 2024 commemorates the 75th anniversary of the founding of the People's Republic of China and signifies a pivotal milestone for the completion of the 14th Five-Year Plan. Resolutely following the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we will strive to better synchronize energy and electricity supply with improvements in quality and efficiency, coordinate high-quality development with heightened security, and cultivate core competitiveness while implementing the "Happy Datang" initiative. Concurrently, we will steadfastly advance reform, pursue innovation, and strive for high-quality development. As we solidify our stable foundation, we will nurture more drivers of progress, proactively bolster self-reliance, and decisively overcome barriers that impede our development. We will demonstrate a renewed spiritual outlook and commitment to excellence through concerted efforts, striving for new achievements as we embark on another journey of new undertakings. We will forge new achievements and performance as we embark on another journey of new undertakings, and endeavor to become an outstanding listed company with standardized management, exceptional performance, and high-quality branding.



# About Datang Power

Datang International Power Generation Co., Ltd. was incorporated in 1994. The Company is the first Chinese enterprise listed in London, the first Chinese power company listed in Hong Kong, and the first Chinese company listed simultaneously in Hong Kong, London, and Shanghai. We mainly engage in power generation business with a focus on coal-fired power, hydropower, wind power, and photovoltaics, covering the fields of coal, transportation, circular economy, and electricity sales. We have grown from a single coal-fired power generation enterprise to a comprehensive energy listed company spanning various sectors.

Total asset RMB <b>303.999</b> billion	Operating income RMB <b>122.404</b> billion	Total profit RMB <b>5.571</b> billion
Annual tax payment RMB <b>7.111</b> billion	Employees in total <b>29,077</b>	Proportion of installed low-carbon and clean energy <b>37.75%</b>

## Our History

1994  
Datang Power was founded with the installed capacity of 2.85 GW.

1997  
Datang Power became the first Chinese power company listed on The Stock Exchange of Hong Kong Ltd. (SEHK) and the first Chinese company listed on London Stock Exchange (LSE).

2006  
Datang Power was listed on the Shanghai Stock Exchange (SSE), making it the first power company to be listed simultaneously on SEHK, LSE and SSE, with the installed capacity exceeding 20 GW.

2009  
Datang Power was included in the Fortune Global 500 list for the first time and the winner of the Gold Corporate Awards 2009 from The Asset magazine, with the installed capacity exceeding 30 GW.

2013  
Datang Power was recognized as the Most Socially Responsible Listed Company and China's Top 10 Listed Company in Corporate Governance, with the installed capacity reaching 39.187 GW.

2014  
Datang Power was included in Top 250 Global Energy Companies by Platts for the 8th consecutive year, with the installed capacity exceeding 40 GW.

2016  
Datang Power accelerated its implementation of the plan set for the 13th Five-Year Plan period and secured structural reforms. The Company was recognized as Top 250 Global Energy Companies by Platts for the 10th straight year and received the award of Top 100 Listed Companies in China, with the installed capacity reaching 44.338 GW.



2023  
The Company's total installed capacity reached 73.296GW, with the proportion of clean and renewable energy further rising to 37.75%. We gained momentum in promoting green transformation and development, laying a solid foundation for achieving the objectives of the 14th Five-Year Plan.

2022  
Total installed capacity of Datang Power reached 71.0244 GW, with 3.1364 GW of new energy projects started, 1.1396 GW of new energy projects put into power generation, and made new strides on another journey of new undertakings.

2021  
Total installed capacity of Datang Power reached 68.77 GW, with the installed capacity of clean energy projects contributing to 30.27% of the total. The base of Inner Mongolia Tuoketuo Power Generation Company and the base in Wei County, Hebei Province were approved for the first batch of large wind and photovoltaic power stations in China, marking a good start of the 14th Five-Year Plan period.

2020  
The Company's total installed capacity reached 68.2781GW, with clean and renewable energy accounting for 29.4% of the total installed capacity. We continuously made new breakthroughs in high-quality development.

2018  
Datang Power generated 269.704 TWh of electricity in total, representing a year-on-year increase of 35.74%. The Company was listed into the Top 250 Global Energy Companies by Platts for the 12th consecutive years, with the installed capacity reaching 62.853 GW.

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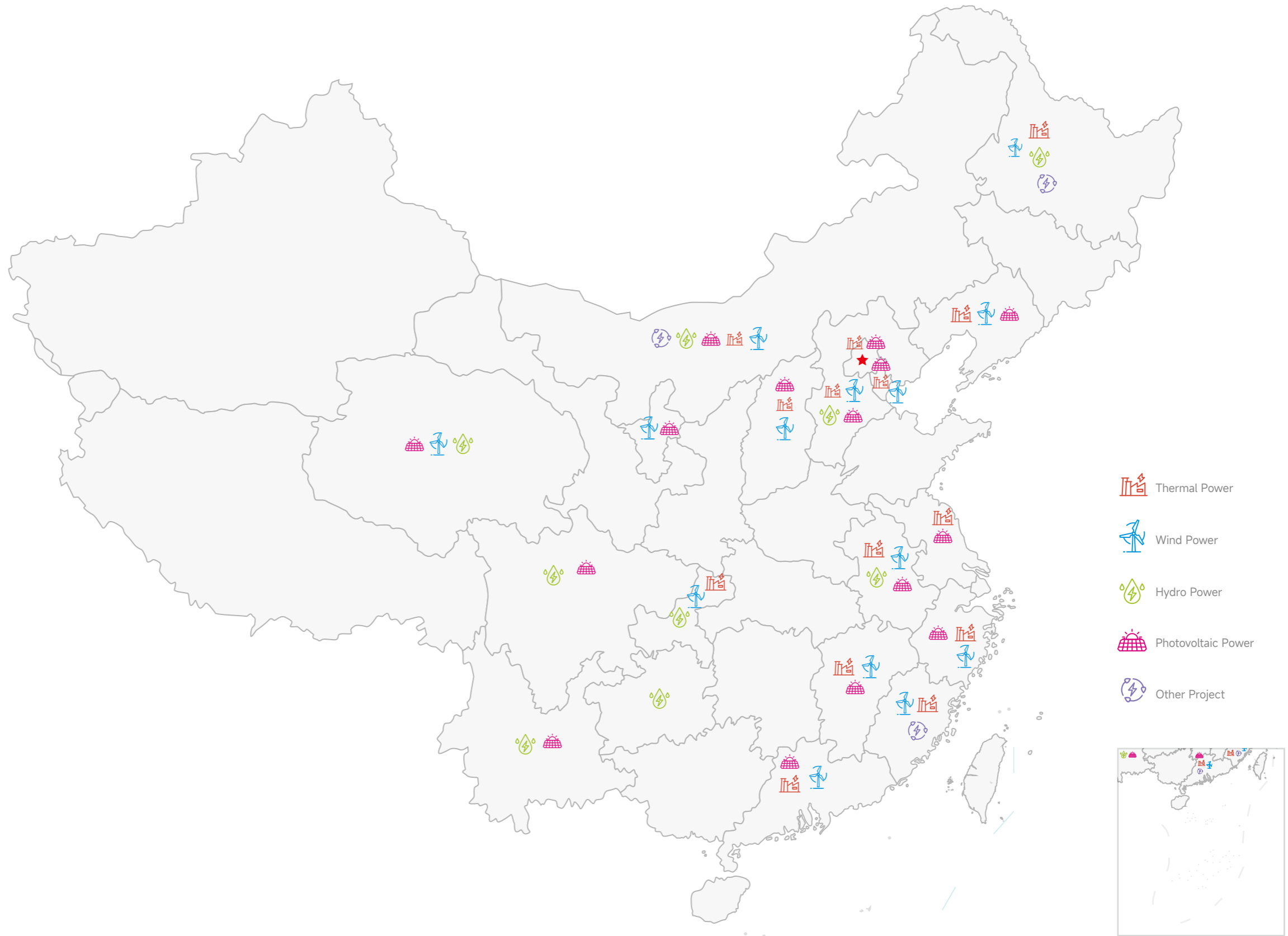
2017  
Datang Power was listed into the Top 250 Global Energy Companies by Platts for the 11th consecutive year and awarded Top 100 Listed Companies in China, with the installed capacity reaching 48.0316GW.



# Industrial Layout

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

Region	Installed capacity(MW)	proportion (%)
Beijing	1383.58	1.89%
Tianjin	1240	1.69%
Hebei	11745.651	16.03%
Shanxi	2937.5	4.01%
Inner Mongolia	9612.29	13.11%
Liaoning	3122	4.26%
Heilongjiang	4831.5	6.59%
Jiangsu	3711	5.06%
Zhejiang	4379.236	5.98%
Anhui	3834.8	5.23%
Fujian	2817.6	3.84%
Jiangxi	3792.417	5.17%
Guangdong	8859.56	12.09%
Chongqing	3833.23	5.23%
Sichuan	3851.6	5.26%
Guizhou	70	0.10%
Yunnan	2153	2.94%
Qinghai	520	0.71%
Ningxia	596	0.81%
<b>Total</b>	<b>73,290.964</b>	<b>100%</b>





# Corporate Governance

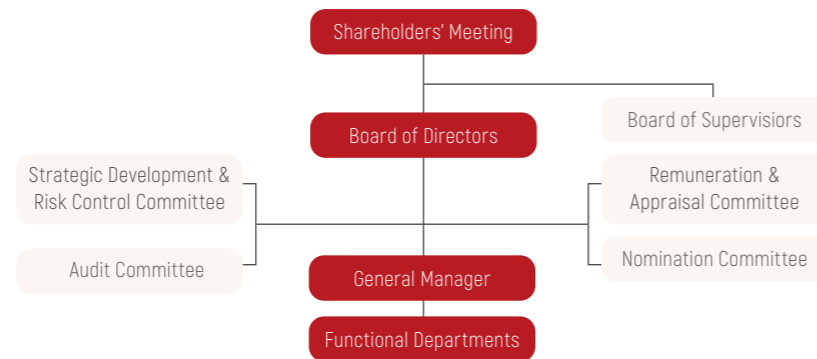
Datang Power continues to enhance the modernization of corporate governance, builds a new type of management responsibility system under the modern enterprise system with Chinese characteristics, and optimizes the internal management system and mechanism. All these effort are made to promote the internal governance and external image, and ultimately strive to build a first-class listed energy company with high-quality development. In 2023, the Company standardized governance operations, completed compliance information disclosure, and strictly complied with the national laws and regulations and relevant regulatory requirements.

## Corporate Governance

In order to strengthen the governance, Datang Power, with 15 directors on the Board of Directors and 5 independent directors in total, has continued to promote the standardized operation of the "Three Meetings" of the Company and primary-level subsidiaries and implemented the decision-making system on major matters (referring to decision-making on major issues, appointment and dismissal of important cadres, investment decisions on major projects, and use of large sums of money). Under the Board of Directors, there are four specialized committees: the Strategic Development & Risk Control Committee, the Audit Committee, the Nomination Committee and the Remuneration & Appraisal Committee. The Board of Directors operated in accordance with the Articles of Association and the Rules of Procedure of the Board of Directors and held 16 meetings and deliberated 89 issues in 2023. The convening, holding and voting procedures of all meetings were also in compliance with those regulations.

held  
**16**  
meetings and deliberated  
**89** issues in 2023

### Corporate Governance Structure Chart



The 22th Meeting of the 11th Session of the Board of Directors of Datang Power

## Risk Control

We have formulated and complied with the *Measures for Enterprise Risk Management*. The *Measures for Compliance Management* is also revised. Specifically, we improved the targets and indicator system for risk prevention and control and continuously optimized corresponding measures by focusing on areas with major business risks. We have further the accuracy of risk disclosure and the effectiveness of the internal control system. The compliance management system has been improved on all fronts, so as to keep the bottom line of development with all-out efforts.

## Investor Relations Management

We have maintained active communication with regulatory agencies to stay abreast of the latest regulatory developments. Meanwhile, we have implemented regular communication channels with stakeholders. Through investor meetings and performance briefings, we promptly gather their expectations and demands. We actively address stakeholders' concerns, aiming to foster harmonious and stable interactive relationships. In 2023, the Company received a total of 191 institutional analysts, participated in 15 brokerage strategy meetings, held 16 conference calls or on-site roadshows, released one in-depth report and 32 performance reviews.

## In-depth Reform

The Company has successfully completed the three-year action plan for SOE reform, with reform experience published in the special issue of the SASAC's "Double Hundred Actions", and won the award of Model "Double Hundred Enterprises" by the SASAC. In order to improve the modern corporate governance of state-owned enterprises with Chinese characteristics, Datang Power has launched a new round of reform deepening and upgrading actions and established the "one enterprise, one policy" targeted assessment mode.

**Establishing accountability-oriented approach to strengthen organizational leadership and consolidate main responsibilities**

Reform leading groups and task forces have been set up at each level. During reform, top-level design and overall planning have been highlighted, while emphasis has been placed on enterprise-specific measures and practicality, so as to achieve "one enterprise, one policy, one list", and to effectively safeguard the reform process.

**Establishing problem-oriented approach to consolidate the foundation of reform and make on-going targeted efforts**

We have deepened the reform by focusing on the weaknesses and shortcomings in the operation and management process to ensure that the direction of reform is not deviated, the measures can be put into practice, and the effect can be predicted.

**Establishing goal-oriented approach to insist on coordination and pursue progress while ensuring stability**

We have improved the reform program and related plans, followed up the implementation of reform through daily meetings and weekly scheduling, thus grasping the progress of subsidiaries in real time.



## Anti-corruption

Unswervingly take the coordinated steps to ensure that officials do not dare not be corrupt, cannot be corrupt and do not want to be corrupt. In addition, we take precautions in advance through analysis of key area and critical problem clues, and offer routine warning educational courses with real corruption cases and enhance resistance to corruption and moral decline.



## 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."

### "4"

**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

### "5"

**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

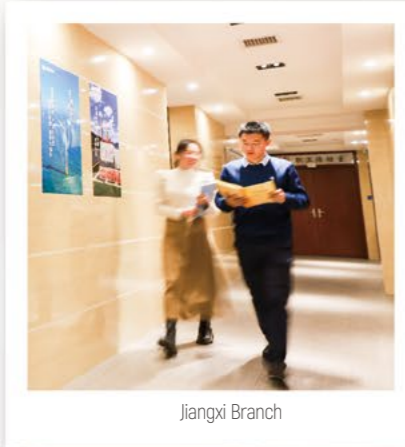
### "1"

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





The "culture of excellence" has become deeply ingrained in the minds of all members of Datang Power.



Jiangxi Branch



Heilongjiang Branch



Yunnan Branch



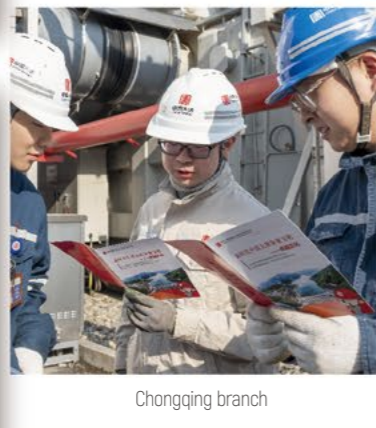
Fujian Branch



Tianjin Datang International Panshan Power Generation Company Limited



Hebei Datang International Wangtan Power Generation Company Limited



Chongqing branch



Inner Mongolia Datang International Hohhot Aluminum and Power Co., Ltd.

## Awards and Honors

We won the awards of the "Most Valuable Listed Company for Investment" and "Listed Company with the Best Practices in Investor Relations Management" at the 17th Crystal Ball Awards hosted by Weekly on Stocks.

We received the awards of "Outstanding Listed Company in High-Quality Development" and "Outstanding Listed Company in Investor Relations Management" at the 13th Hong Kong International Financial Forum & the Golden Bauhinia Awards Ceremony.

We were honored to receive the award of "Outstanding Practice Cases by Office of Board of Directors of Listed Companies in 2023" from the China Association for Public Company.

At the 2023 Golden Bull Enterprise Sustainable Development Forum jointly organized by China Reform Holdings, China Securities Journal, and Nantong Municipal People's Government, we proudly received the inaugural "China Reform Holdings Cup · ESG Golden Bull Award for Top 50 Central SOEs".







# Feature

## Improving Our Capacity to Supply Power to Beijing

As an important enterprise responsible for supplying over half of the capital's electricity and providing heating to 15 million square meters of residents, Datang Power resolutely fulfills its energy supply mission, keeps the bottom line, and strives to improve its four capabilities in power safety, fuel supply, environmental protection and fund support. The Company is making effort to ensure overall energy stability, safeguard power supply to the capital for political tasks and urban access to heating, thereby protecting blue water and clear sky.



## Establishing a Regular Capital Energy Supply System

We have formulated energy supply schemes and set up an energy supply organization with clear supply targets. We continuously improve the capital energy supply system, and work to establish a coordination mechanism supervised by the Party Committee, under which departments coordinate and the main units implement tasks. We hold weekly meetings and daily dispatching on a long-term basis to ensure that the generating units are working whenever needed, the power storage is on the rise and our financial support is more than enough, thus stabilizing energy supply to the capital.

### Major measures to improve supply capacity

- Conducting efficiency-oriented renovation of coal-fired generating units**

We made the overall plan to improve the efficiency of capital-exclusive generating units, and under the "one strategy for one plant" principle, formulated differentiated efficiency improvement plans for 41 generating units of 13 companies near Beijing.
- Ensuring safety and stability of generating units**

We conduct regular safety assessment of generating units for extended service to ensure they are safely operated. We formulated the capital power supplier DCS renovation plan to make sure that 16 units will be renovated in 2024 and 11 in 2025.
- Refining power supply contingency plan system**

We compiled seven thematic analysis reports regarding the power supply to Beijing. Our pilot anti-terrorism project in five enterprises, including Inner Mongolia Tuoketuo Power Generation Company and Beijing Gaojing Thermal Power Plant, was approved for acceptance, with emergency response capability further improved.



Zou Lei, Party Secretary and Chairman, visits Tianjin Panshan Power Generation Company for investigation and guidance on power supply work.



Wang Shunqi, Party Secretary and Chairman, visits enterprises in Zhangjiakou to guide power supply work.



## Being the Main Force for Power Supply to Capital

Taking on the responsibility as a central state-owned enterprise, we have comprehensively improved our power supply security capability, fulfilled the power and heating supply tasks for such major events in the capital as New Year's Day and Spring Festival, as well as the National People's Congress, the Chinese People's Political Consultative Conference and the Belt and Road Forum for International Cooperation, serving as the main force for national strategies and for power supply to Beijing.

### Delivering "Datang heat" amid freezing winter

#### Case: Going all out to serve major events of national significance

As the main parts of Beijing-Tianjin-Tangshan Power Grid, Hebei Douhe Thermal Power Plant, Wangtan Power Generation Company, Hebei Tangshan Thermal Power Company, Fengrun Thermal Power Company and Qian'an Thermal Power Company carried forward the fine tradition of "power supply veterans", securing power and fuel materials supply. Zhangjiakou Power Generation Company, Weizhou Energy Company and Zhangjiakou Thermal Power Company, Hebei Xiahuyuan Thermal Power Company and Hebei Zhangjiakou New Energy Business Unit carried out comprehensive investigation in key production areas with regard to regional climate characteristics, keeping major risks at bay.



In response to the strongest cold wave in history, Beijing Gaojing Thermal Power Plant tightens infrared temperature measurement inspection near equipment to ensure stable operation.



The inspection team is laying optical cables at Luotougou Wind Farm of Chengde New Energy Business Unit.

## Empowering Green Development of Beijing

We have made significant strides in developing clean and efficient advanced thermal power projects, and initiated the "Green Electricity Transmission to Beijing" project. Concurrently, we have propelled the construction of the new energy base project, achieving historical highs in both our acquired capacity and under-construction capacity indicators for new energy construction. These efforts have established a robust "green" foundation for the capital's high-quality development.

#### Case: Building a large wind and PV power project for the Beijing-Tianjin-Hebei region

The 1GW large-scale wind and photovoltaic power project situated in Yuxian County, Hebei Province, stands as one of China's pioneering multi-energy complementary initiatives that leverage existing thermal power transmission channels to transport electricity generated from new energy sources. The project supplies electricity from both new energy sources and thermal power to the grids in the Beijing-Tianjin-Hebei region, yielding significant environmental benefits. For instance, the Yangyuan Project can produce over 1,300 GWh of "green electricity" annually after being put into operation. It can save more than 450,000 tons of coal equivalent (TCE) and reduce CO<sub>2</sub> emissions by over 1 million tons per year.



The 1GW large-scale wind and photovoltaic power project situated in Yuxian County, Hebei Province

#### Case: Injecting "green genes" into high-quality development

In June 2023, construction began on two 660MW heating units at Hebei Douhe Thermal Power Plant. Once completed, the project will lead to a reduction of 2.95 million tons of coal and 4.7 million tons of CO<sub>2</sub> emissions annually by Datang Power in Tangshan. This will significantly improve the atmospheric environment and support local low-carbon green and transformation efforts. Moreover, it holds great importance in enhancing the capacity to supply electricity to the capital.



Construction of the two 660MW heating units at Hebei Douhe Thermal Power Plant

#### Case: Creating a new benchmark for "delivering green electricity to Beijing"

In 2023, the first batch of units of Datang Mengxi Tuoketuo 2GW New Energy Delivery Project built by Inner Mongolia Tuoketuo Power Generation Company were connected to the grid, marking great strides in the construction of the largest "wind power, solar power, hydropower, thermal power, and hydrogen storage" multi-energy demonstration base in China. Once it is fully operational, the base can produce more than 4.1 TWh of green electricity each year, saving over 1.43 million tons of standard coal and reducing over 3.5 million tons of carbon dioxide emissions, contributing to the 30-60 decarbonization goal in Inner Mongolia and Beijing.





# Advancing Green Transformation and Development Through Clean and Low-Carbon Initiatives

We steadfastly align ourselves with the strategic goals of attaining carbon peak and carbon neutrality, along with the advancement of building a Beautiful China. Therefore, we consistently view green and low-carbon transformation as the primary driver of our development. We have actively championed the transition from conventional coal-fired power generation to a blend of wind, solar, and biomass energy sources, and have yielded notable strides in our pursuit of green and high-quality development.

Total installed capacity

**73,291** MW

Total investment in environmental protection

RMB **703.5** million

Coal consumption per kWh of power supply

**289.36** grams of coal equivalent (gce)

Percentage of the installed capacity of clean energy projects

**37.75**%





## Supplying Green Energy

Focusing on the high-quality development of clean energy, Datang Power has continued to optimize its energy structure and actively fulfilled its responsibility to promote green transformation. In 2023, the newly added capacity of power generation units amounted to 4,799.2 MW, with 577 MW from thermal power turbines, 2,047.5 MW from wind power projects, and 1,604.7 MW from photovoltaic projects. Furthermore, the proportion of low-carbon clean energy projects' installed capacity was further increased to 37.75%.



The launch of the long-distance heating project by Inner Mongolia Tuoketuo Power Generation Company signifies a transformative stride for the world's largest thermal power plant, achieving its goal of transmitting electricity to the capital of China and heat energy to the capital of the autonomous region.

Welcome to scan the QR code for more information



## Energy transformation

We have expedited the development of wind and solar power projects, taking three strategic steps of "selection," "construction," and "reservation." This approach fosters a development pattern consisting of constructing a batch of projects, selecting a batch of projects, and reserving a batch of projects. Through these initiatives, we aim to become a leader in the transformation towards clean and low-carbon energy.

### Case: Navigating deeper waters

As Fujian Branch's inaugural offshore wind power project, the Changjiang'ao offshore wind power project spans a total sea area of 13 square kilometers, with water depths ranging from 20 to 25 meters. At a height of 90 meters, the average annual wind speed in this wind farm measures 10 meters per second, enabling an annual wind utilization time of up to 4,872 hours. This positions it as one of the premier offshore wind power projects in terms of wind resources under CDT.



The 15 wind turbines in the Changjiang'ao wind farm have successfully completed the 240-hour trial operation, meeting all assessment criteria.

### Case: Committed to advancing offshore wind power development

Centered on advancing transformation and high-quality development, Guangdong Branch has devised customized plans for acquiring offshore wind power resources for each municipal-level administrative region. The branch has extensively explored the advantages of regional offshore wind power development to establish unique projects. Since 2023, it has amassed 3,000MW of offshore wind power resources in sea areas under national jurisdiction.

The Nan'ao offshore wind power project of Datang Shantou New Energy Co., Ltd.



Indicators	2021	2022	2023
Total installed capacity (MW)	68,770	71,024	73,291
Installed capacity of wind power projects (MW)	5,079	5,417	7,464
Installed capacity of solar PV projects (MW)	1,910	2,789	4,366
Installed capacity of gas-fired power projects (MW)	4,622	6,100	6,632
Installed capacity of hydropower projects (MW)	9,205	9,205	9,205
Share of clean energy projects in the total installed capacity (%)	30.27	33.10	37.75



## Enhancing quality and efficiency

Consistently prioritizing our primary responsibilities and core business, we have elevated stable growth to a more prominent position. We have initiated a series of measures aimed at enhancing quality and efficiency, and ensuring stable growth. Through these efforts, we have effectively strengthened our core functions and core competitiveness, thereby safeguarding the preservation and appreciation of state-owned assets.

### Case: Boosting electricity production in challenging circumstances

In response to the challenging situation of significant irregularities in the water flow of the upper reaches of the Dadu River, Sichuan Ganzi Hydropower Company established a task force dedicated to boosting power generation. The company diligently executed work plans and power generation consultation mechanisms, consistently conducted joint reservoir scheduling and optimization operations, and actively devised various strategies to enhance power generation. Through the comprehensive utilization of joint scheduling between the Changheba Dam and Huangjinping cascade hydropower plants, the company maximized the utilization of every drop of water from the upstream river, thereby augmenting its power generation capacity. As a result, the company achieved an annual cumulative power generation exceeding 10 TWh.

### Case: Generating new business milestones to propel development momentum

Guangdong Datang International Chaozhou Power Generation Company Limited has meticulously outlined work tasks and measures, and enhanced the synergy between production and operations while pursuing the goal of establishing the "Two Places and One Zone." As a result, it has successfully transformed losses into profits and attained remarkable business performance for the year.

The No. 1 and No. 2 Units of the company have been honored with the titles of "AAAA-level outstanding units" for energy efficiency benchmarking and "Gold Medal Units" for reliability by the China Electricity Council.



## Striving for Efficient Use of Resources

We are committed to enhancing our resource management capabilities by deeply integrating concepts such as the circular economy and resource conservation into all aspects of production and operations. Concurrently, we have consistently enhanced resource utilization efficiency through the application of diverse green technologies, aiming to evolve into a more resource-efficient and environmentally friendly enterprise.

### Resource conservation initiatives

#### Optimizing equipment operation modes

We have explored the energy-saving potential stemming from significant differences in energy consumption among multiple generating units and unit types, and refined the electricity generation structure. Specifically, we have elevated the share of electricity produced by units with lower energy consumption levels to decrease the overall energy consumption.

#### Enhancing the energy conservation management system

Taking our practical production and the energy conservation guidance from the Group company into account, we have updated documents such as *the Energy Conservation Management Measures* and *Key Requirements for Strengthening Energy Consumption Indicator Management*, thus strengthening the energy conservation management system.

#### Launching the Energy Conservation Supervision Month campaign

We have conducted the Energy Conservation Supervision Month campaign, encompassing the installation of display boards, dissemination of manuals, and orchestration of energy conservation knowledge competitions and energy conservation training sessions. Additionally, we arranged for our employees to watch lectures about the national energy-saving week, aiming to enrich their understanding and proficiency in energy conservation and low-carbon practices.

When developing the tidal flat photovoltaic project, Zhejiang Branch constructs photovoltaic power generation facilities on top of the tidal flat and conducts aquaculture underneath, thereby maximizing the comprehensive utilization of natural resources.





# Reducing Environmental Impact

Upholding the concept of green development, we have continuously improved the clean production and utilization of energy resources, while actively promoting energy conservation, emission reduction, and pollution prevention. Meanwhile, we have energetically advocated for the refurbishment of water-saving facilities and the cascading utilization of water resources, firmly guiding the power industry towards a path of high-quality development that prioritizes ecology, green practices, and low carbon emissions.

## Solidify fundamental management

We have implemented a rigorous environmental protection management system to minimize our negative impact on the environment. Concurrently, we are committed to achieving clean, green, and sustainable development goals tirelessly. We actively embrace advanced environmental protection technologies and processes to reduce waste emissions and resource wastage.

## Waste management

We attach great importance to waste management. Throughout the entire process from waste generation to final disposal, we comprehensively adhere to the principles of science, reasonableness, and sustainability, ensuring that all waste management processes comply with national laws, regulations, and environmental requirements. Our goal is to contribute to the preservation of a clean and beautiful environment.

### Waste management initiatives

#### Improving the waste management regulations

We have revised multiple environmental management regulations, conducting monthly collection and analysis of environmental data, and promptly issuing alerts for any abnormal indicators. Simultaneously, we have enhanced inspections of unorganized discharge at operational sites and promptly notified and supervised the rectification of any identified issues.

#### Handling hazardous and non-hazardous waste

Through compliant disposal of solid and hazardous waste, we have significantly reduced the impact of solid waste on the surrounding environment, making substantial contributions to preserving regional environmental quality.

#### Actively raising awareness of waste management

We have conducted technical training on waste management, disseminating typical cases of environmental law enforcement, and knowledge about carbon emissions. Concurrently, we have established records for solid and hazardous waste management, and issued documents and regulations, such as those related to information disclosure.

#### Case: Turning "waste" into treasure to promote circular economy

Chongqing Wulong Hydropower Company does regulated work of waste appraisal, dismantling, scrapping and disposal. The company has improved the regulated waste management and improved the efficiency of waste disposal, to ensure timely recycling and disposal of waste to create economic and ecological benefits.



During the implementation of the small watershed comprehensive governance project for the Kūlietu Stream, Inner Mongolia Tuoketuo Power Generation Company has utilized pipeline transporters to securely transport coal ash produced by the power plant to the Kūlietu Stream watershed for storage and ecological treatment. This initiative has established a precedent in China for the comprehensive governance of small watersheds using coal ash.

#### Case: Fortifying management foundations to unlock "green" potential

Datang Qitaihe Power Generation Company in Heilongjiang has prioritized climate change mitigation, energy management, and discharge and waste control in its environmental management strategy. The company has updated its *Environmental Management Measures* to include actions for preventing pollution exceedance and managing hazardous waste. Furthermore, the document delineates the responsibilities of each department and team to facilitate effective waste management practices.

#### Case: Improving environmental management to attain coal combustion as clean as gas

Ma'anshan Dangtu Power Generation Co., Ltd., located in Anhui Province, has built upon its environmental protection accountability system, prioritizing standard emissions of pollutants and total pollutant control while driving progress in pollutant management through technological advancements. The company has always remained vigilant, never crossing the red line and always mindful of worst-case scenarios. It has bolstered the operation and maintenance management of environmental facilities. In 2023, the company further optimized the operation of environmental facilities and the analysis of relevant indicators. As a result, annual emissions of particulate matter and sulfur dioxide decreased by approximately 80% and 40%, respectively, compared to pre-renovation levels. The company's zero-wastewater discharge transformation project also ran smoothly, achieving a 100% compliance rate for wastewater discharge. The concentration and compliance rate of pollutant emissions were at an advanced level among similar units, leading to clean coal combustion equivalent to gas.



At Ma'anshan Dangtu Power Generation Co., Ltd., a 168-hour trial operation has been completed as scheduled for the No. 2 drying tower system of the zero-wastewater discharge transformation project.



# Carbon management

Total CO<sub>2</sub> emissions  
**197.03** million tons

CO<sub>2</sub> emission intensity  
**856.8** g/kWh

We have continued to enhance our carbon management capabilities and coordinated compliance and reserves for carbon trading. Furthermore, we have actively pursued research on carbon capture, utilization, and storage (CCUS), advancing related pilot projects to contribute to the achievement of China's 30-60 Decarbonization Goal.

### Case: Exerting every effort in conducting carbon auditing

Hebei Xiahuyuan Thermal Power Company has actively implemented carbon emission management and responded to the challenges and opportunities presented by the emerging carbon market. The company has conducted accounting and analysis of large emissions data in its production processes and cooperated with annual carbon audit inspections by higher authorities. It has made remarkable contributions to completing carbon asset verification.

### Case: Capitalizing on opportunities in trading markets for green electricity certificate, green electricity, and carbon emission rights to enhance operational performance

Zhangjiakou New Energy Business Unit in Hebei Province has continued to advance the concurrent operation of power marketing and project commissioning, yielding significant results in the green electricity trading market. The unit has consistently intensified its efforts in trading markets for green electricity certificate, green electricity, and carbon emission rights, and has efficiently completed green electricity transactions for new projects. Moreover, it has secured the first batch of 11,737 price-parity green certificates for Datang Power in the Beijing-Tianjin-Hebei region. By pursuing diverse high-yield transaction volumes, it has bolstered internal momentum for enhancing operational performance.

### Case: Ahead-of-schedule completion of carbon quota compliance

Jiangxi Fuzhou Power Generation Company has conducted training sessions on carbon emissions and carbon trading, as well as research on policies regarding the issuance of carbon emission quotas and national carbon market trading schemes and regulations. The company has also compiled monthly and annual reports on greenhouse gas emissions. Moreover, it has successfully fulfilled the carbon emission quota payment compliance tasks for key emission units on the national carbon emissions trading market. This achievement marks the subsidiary of Datang Power as the first unit in Fuzhou to complete the compliance task of carbon emission quota payment.

# Protecting Biodiversity

We are committed to comprehensive ecological and environmental management, adhering to principles of scientific site selection and rational layout, and advocating for the adoption of best practices in project development and resource utilization. This ensures that no irreversible damage is inflicted upon the local ecosystem. Furthermore, we have actively engaged in various biodiversity conservation projects to foster harmonious coexistence between humans and nature.

### Case: Implementing fish stocking programs to safeguard biodiversity

Chongqing Pengshui Hydropower Company has released a total of 320,000 fish fry into the reservoir area and downstream of the dam, including species such as myxocyprinus asiaticus, procypris rabaudi, sinilabeo rendahli, spinibarbus sinensis, onychostoma simus, and Semilabeo prochilus. The company has released over 6.5 million rare fish fry in total, enriching the fish population resources in the basin and contributing to the conservation of species diversity.

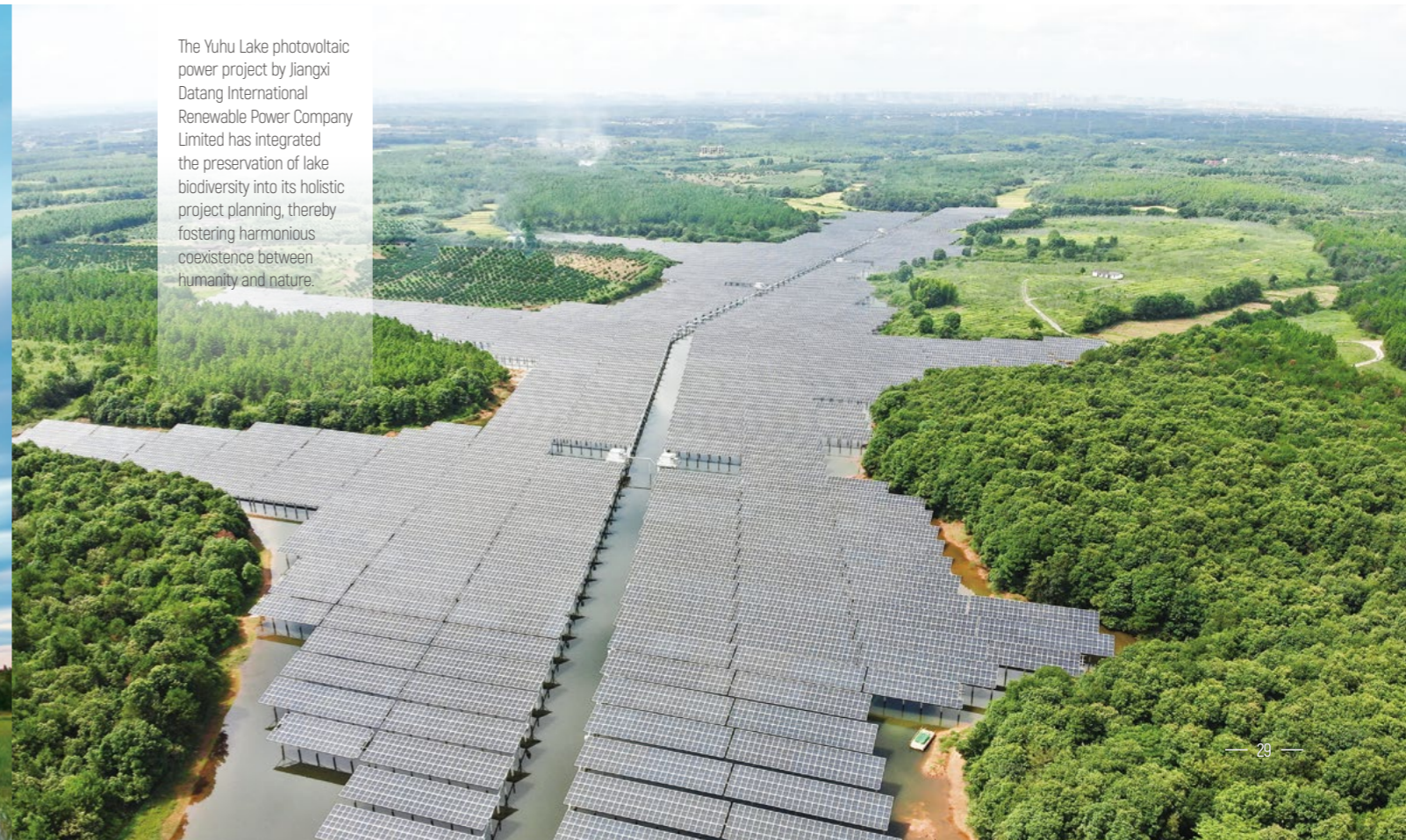
### Case: A commitment to protecting rare plants for over a decade

Datang Lixian River Hydropower Co., Ltd., based in Yunan Province, has consistently shown its dedication to environmental conservation through tangible efforts. During the initial construction phase of the seven cascade hydropower stations, the company actively participated in the preservation of rare plant species. More than a decade since the hydropower stations commenced operations, the rare plant seedlings originally planted have flourished into towering trees. This illustrates the company's significant accomplishments in safeguarding plant diversity.



An employee of Datang Lixian River Hydropower Co., Ltd. affixes a tag to a rare tree.

The Yuhu Lake photovoltaic power project by Jiangxi Datang International Renewable Power Company Limited has integrated the preservation of lake biodiversity into its holistic project planning, thereby fostering harmonious coexistence between humanity and nature.





# Pursuing Innovation-driven Development to Unleash the Potential of Digitalization and Intelligence

We are committed to the principle that "innovation is the primary driver of force," enhancing and refining our system for scientific and technological innovation. We continuously advance the diverse application of technologies, accelerate the transformation towards digital intelligence to empower and enhance the management. Guided by the principle of scientific and technological innovation, we aim to inject fresh vitality into the high-quality development within the Company.

Authorized patents obtained

207

Number of new standards above the industry level of China Electricity Council and SEC electric Machinery

9

Newly authorized invention patents

32

R&D input

RMB 2.97 billion





## Promoting Innovation System

We are dedicated to enhancing the system and mechanism of scientific and technological innovation by integrating various management mechanisms including project process management, R&D investment intensity management, and innovation platform development. We boost deep cooperation between industries, universities, and research institutes, bolster innovation incentives, and encourage all staff to actively engage in scientific and technological innovation. This concerted effort continuously unleashes the vitality and creativity of the Company.

Total patents obtained

2,167

Amount of reward for scientific and technological innovation

RMB 2.923 million

### Case: Upgrading the application platform for staff's innovative achievements

Hebei Qingyuan Thermal Power Company adheres to the guiding principles of "clear idea, practical scenarios, high intelligence, and holistic approach," and works to establish the application platform for innovative endeavors among employees, thereby unleashing their creativity and productivity to the fullest. There are six innovation studios, with the "Wang Chao Innovation Studio" being recognized as the Group's company-level innovation studio and the Model Worker and Craftsman Talent Innovation Studio in Hebei Province, boasting a total of 19 patents under its name.



The New Energy Business Unit of Fujian Branch has established the "Blue-collar Pioneer Innovation Studio," where a wind turbine yaw model has been independently designed and produced.



Heilongjiang branch conducts training on managing scientific and technological innovation

## Delivering Diverse Application of Innovative Outcomes

We actively drive the application and commercialization of scientific and technological achievements, enacting *the Management Measures for Scientific and Technological Innovation Rewards* and *the Management Measures for Intellectual Property Rights*. These measures delineate requirements for managing achievement transformation, post-evaluation mechanism and intellectual property rights. We seek to blaze a trail in cutting-edge technological breakthroughs in the development of new-type electric power system, innovation of major equipment, and the transition to green and low-carbon development, thereby fostering the productivity of the new era.

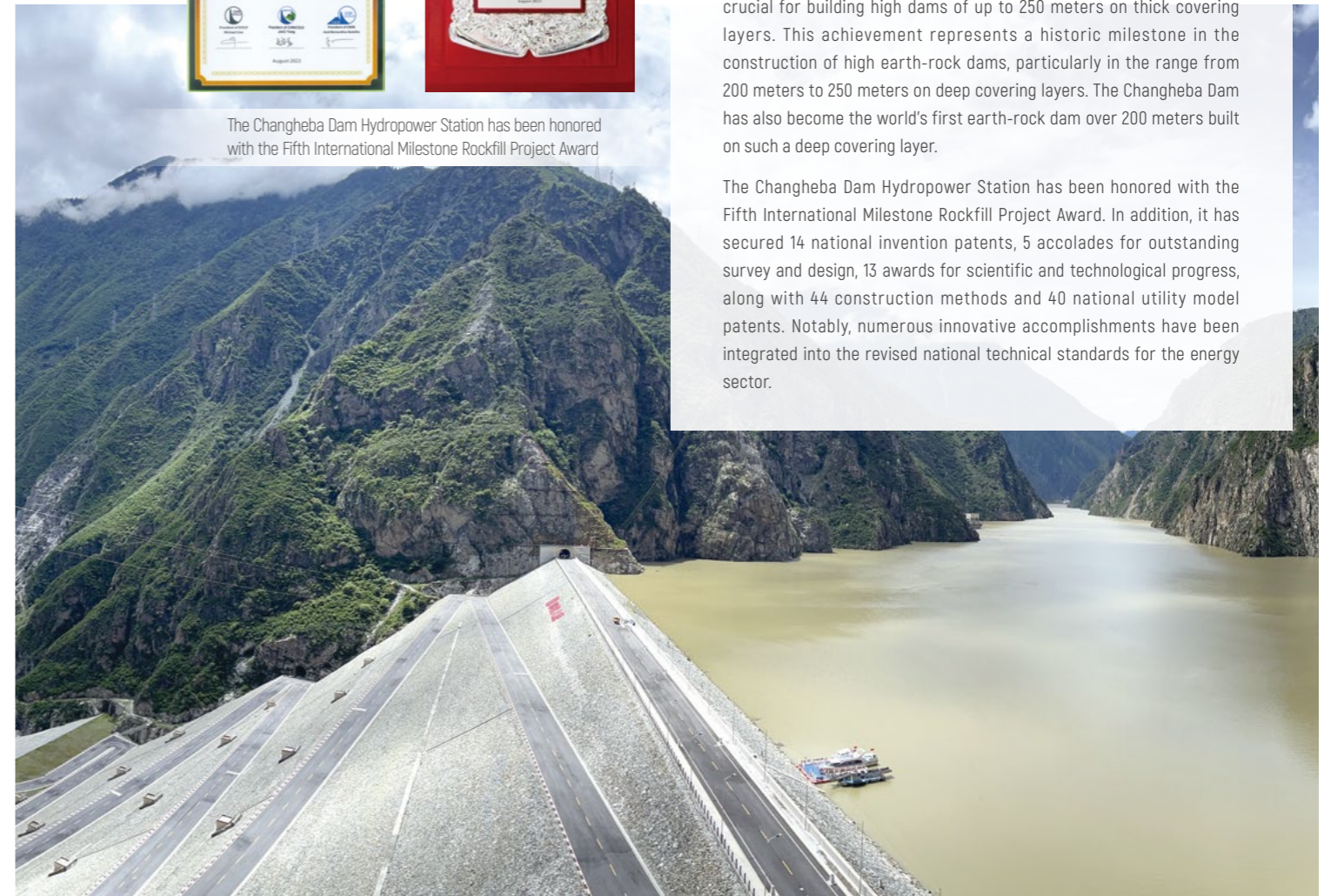
### Case: Creating a milestone in global dam construction

Sichuan Ganzi Hydropower Company has overcome six major world-class technical challenges in the construction of the Changheba Dam Hydropower Station. Through breakthroughs in science and technology, the company successfully addressed key challenges such as dam foundation filling, seepage prevention, and earthquake resistance, all crucial for building high dams of up to 250 meters on thick covering layers. This achievement represents a historic milestone in the construction of high earth-rock dams, particularly in the range from 200 meters to 250 meters on deep covering layers. The Changheba Dam has also become the world's first earth-rock dam over 200 meters built on such a deep covering layer.

The Changheba Dam Hydropower Station has been honored with the Fifth International Milestone Rockfill Project Award. In addition, it has secured 14 national invention patents, 5 accolades for outstanding survey and design, 13 awards for scientific and technological progress, along with 44 construction methods and 40 national utility model patents. Notably, numerous innovative accomplishments have been integrated into the revised national technical standards for the energy sector.



The Changheba Dam Hydropower Station has been honored with the Fifth International Milestone Rockfill Project Award





Case: Turning waste into treasure through shared innovation

Datang Power High-Aluminum Coal R&D Center collaborates with Datang Tongzhou Technology Co., Ltd. to establish the "Solid Waste Recycling Innovation Workshop," leveraging the center's strengths of scientific and technological innovation and R&D. This initiative focuses on the innovation, R&D and breakthroughs of generic technologies, accelerating the application and commercialization of scientific and technological outcomes. Furthermore, it aims to facilitate the exchange and sharing of innovative outcomes among all member units.



Hebei Fengrun Thermal Power Company innovatively launches the Group's first power plant-dedicated container unloading business



Inner Mongolia Tuoketuo Power Generation Company establishes the Group's first digital fuel management system



Zhejiang branch applies robot-assisted work

# Accelerating Digital Transition



With building a digital Datang as our primary focus, we persistently explore the practical application of digital projects within the power industry. We work to advance the digital transition by developing smart power plants and applying autonomous control systems, along with the establishment of the digital warehouse management system. Our aim is to inject fresh vitality into the Company's digital and intelligent development in a new era.

Case: Advancing the building of the new energy centralized control center

The Company actively advances the building of the new energy centralized control center. In this regard, we've accomplished several projects in this initiative, including the development of the intelligent platform for inspection of PV plants by drones in the Beijing-Tianjin-Hebei region, the implementation of the visualized intelligent control and management project featuring four comprehensive management elements, the research into the application technology of "unmanned" intelligent wind farm, the wind turbine tower cleaning, non-destructive testing and mechanical substitution of labor. These endeavors pave the way for a fast digitized development, facilitating the realization of unmanned or minimally manned operations on-site.



Hebei Chengde New Energy Business Unit uses drones for smart inspection

Case: Building a virtual intelligent control platform for power plant

Datang Beijing Tianjin Hebei Energy Development Co., Ltd. advances the development of virtual power plants and smart marketing models. It consolidates various sources of flexible power loads such as distributed energy storage, charging stations, and electric heating. By offering a supporting service for the market, it participates in the grid peak regulation and puts together users to engage in peak regulation service in Hebei South Grid. Furthermore, it assists users in energy management through statistical analysis of electricity consumption data.



Jiangxi Branch organizes the "Datang Cup" staff innovation and achievement competition and exchange event



Hohhot Aluminum Electric Company conducts the coordinated application of 5G+system



# Building a Robust Foundation for Stable Operations Through Efficient Safety Initiatives

We are committed to the "life first and safety first" safety philosophy, thoroughly consolidating safety foundations, aligning development with safety initiatives, and enhancing energy security. We strive to fulfill our primary responsibilities for work safety, and efficiently prevent and address safety risks, thereby ensuring sustained stability in work safety.

Total investment in work safety

RMB **3.508** billion

Emergency drills conducted

**2,037**

Personal accidents of significant or greater severity

**0**

Equipment accidents of significant or greater severity

**0**





## Bearing the Responsibility for Ensuring Power Supply

We embrace the weighty responsibility of guaranteeing energy and electricity supply with unwavering commitment, leaving no stone unturned in ensuring safety, mitigating hidden risks, and maintaining stable power generation. Through our steadfast dedication, we have unequivocally showcased our pivotal role as a cornerstone central SOE.

### Case: Remaining committed to our mission of ensuring stable energy supply

Harbin First Thermal Power Plant of Datang Heilongjiang Power Generation Co., Ltd. is responsible for providing heating for an area spanning over 21 million square meters in Harbin's Qunli New Zone. On November 14, 2023, Premier Li Qiang visited Harbin First Thermal Power Plant to inspect the operation of its generating units and issued directives regarding the implementation of major responsibilities for SOEs and the fulfillment of heating obligations. The thermal power plant took the Premier's directives seriously, actively promoting energy conservation and consumption reduction, and continuously enhancing heating efficiency. It exerted every effort to ensure a steady heating supply and to ensure that residents remain warm throughout the winter months. Premier Li Qiang's visit to Harbin First Thermal Power Plant underscores the significant attention given by the leaders of the CPC Central Committee and the State Council, as well as the Party Committee of the State-owned Assets Supervision and Administration Commission of the State Council (SASAC) and local Party committees and governments to CDT. We are committed to fulfilling the responsibilities and missions of central SOEs, actively leading in ensuring energy supply, advancing transformation and development, and deepening reforms across various regions. We will continue to make fresh and substantial contributions to regional economic and social development, as well as to China's efforts in building a modern socialist country in all aspects.



Premier Li Qiang inspects Harbin First Thermal Power Plant and speaks highly of its performance in ensuring heating supply.

Welcome to scan the QR code for more information



Employees of Shanxi Datang International Yungang Thermal Power Company Limited work in the snow to ensure the provision of heating



Zhejiang Datang International Shaoxing Jiangbin Thermal Power Company Limited successfully completed the Asian Games power protection task

## Strengthening Safety Management

Datang Power has implemented initiatives like the "Safety Management Enhancement Year" campaign, and has made progress in constructing a comprehensive safety management system. The Company has actively managed safety risks in key areas, enforced work safety responsibilities at all levels, aiming to strengthen the foundation of work safety and enhance intrinsic safety.



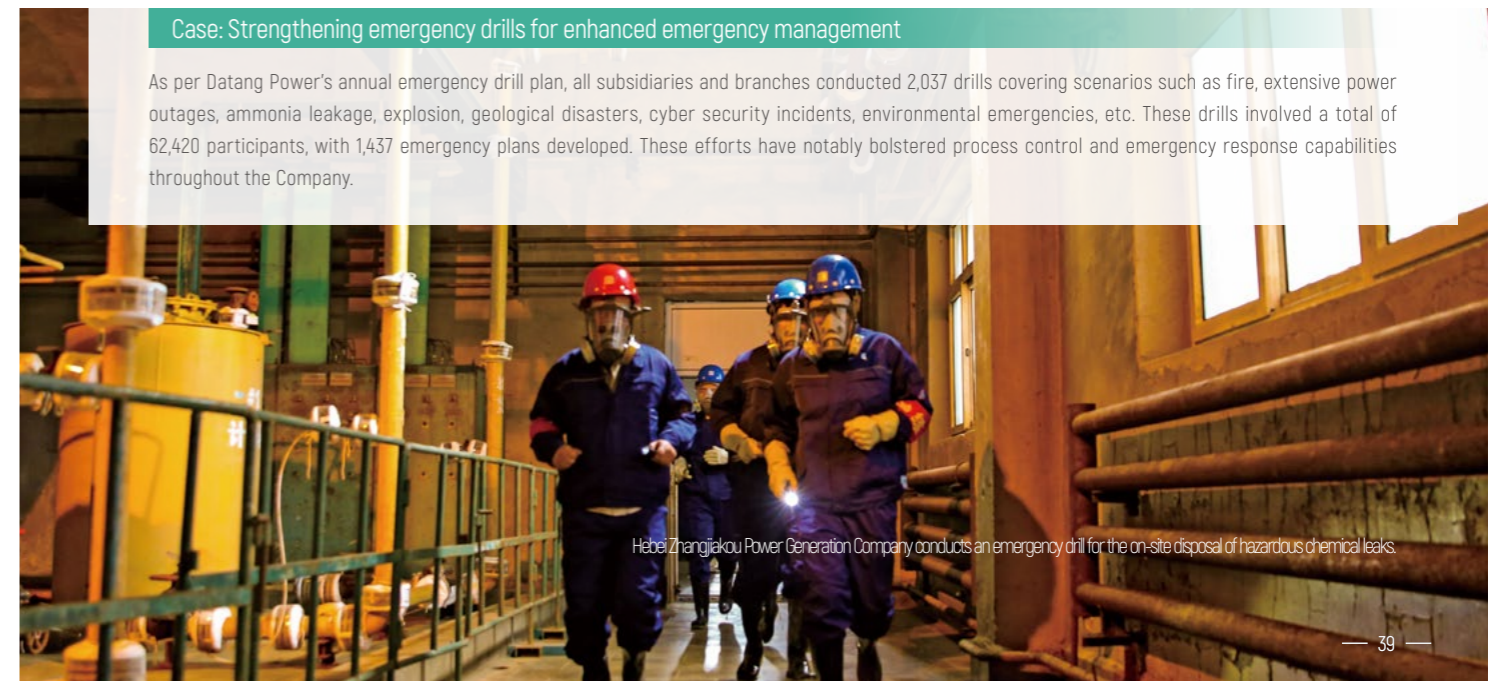
The fifth meeting of the Work Safety Committee of Datang Power in 2023

## Conducting Safe Operation

We have developed a long-lasting mechanism to detect and address latent hazards, while also bolstering the development of a dual-prevention system. In 2023, we proactively conducted targeted inspections and corrective measures to mitigate accident risks, as well as inspections to identify equipment defects and hazards. We also facilitated the participation of subsidiaries and branches in publicity and training sessions on the updated *Twenty-Five Key Requirements for Preventing Power Production Accidents*, with the goal of reinforcing safety as the cornerstone of our development.

### Case: Strengthening emergency drills for enhanced emergency management

As per Datang Power's annual emergency drill plan, all subsidiaries and branches conducted 2,037 drills covering scenarios such as fire, extensive power outages, ammonia leakage, explosion, geological disasters, cyber security incidents, environmental emergencies, etc. These drills involved a total of 62,420 participants, with 1,437 emergency plans developed. These efforts have notably bolstered process control and emergency response capabilities throughout the Company.



Hebei Zhangjiakou Power Generation Company conducts an emergency drill for the on-site disposal of hazardous chemical leaks.



Case: Broadening the scope of video surveillance

Beijing Gaojing Thermal Power Plant has bolstered its safety measures by integrating a VR panoramic model into the existing intelligent anti-violation system throughout the entire plant area. By utilizing the fixed video surveillance cameras within the plant premises, the upgraded system can detect 23 types of personnel violations, including failure to wear work clothes, absence of safety helmets, cellphone usage, failure to wear safety belts, neglecting fall arrest devices, and trespassing over fences. It can also identify 10 types of safety facility irregularities, such as the lack of fences, toe boards, crossbars, and acceptance signs. Moreover, the new system has been seamlessly integrated with the dual permission system, enabling it to extract information from cameras in work locations and surrounding areas. This integration has facilitated targeted monitoring and enhanced both the efficiency and quality of surveillance.



Inner Mongolia Tuketuo Power Generation Company conducts an inspection of production site hazards.

Heilongjiang Branch enhances safety maintenance management.



Jiangxi Branch builds a solid "safety wall" against floods.

## Developing a Safety Culture

To bolster overall safety awareness and foster a safety culture, we have orchestrated various initiatives including the "Work Safety Month" and "Work Safety Circuit" campaigns, safety lectures, accident case analyses, and practical skills training. All these activities are centered on the theme of "instilling safety awareness and emergency preparedness in everyone."

Case: Boosting Employee safety awareness through diverse activities

Hebei Tangshan Thermal Power Company has hosted a "Work Safety Month" speech competition and staged plays centered on work safety. These initiatives vividly depicted real-life scenarios encountered by employees in their daily lives and work. The Company has effectively disseminated safety concepts and knowledge, fostered a safety culture, and deeply ingrained safety awareness and skills in the hearts of its employees through these theatrical productions, speeches, and other communication channels.

Training sessions on enhancing work safety

Participants in training sessions on enhancing work safety

**4,157** **129,342**



The "Work Safety Publicity and Consultation Day" activities at Guangdong Datang International Leizhou Power Generation Company Limited



The post training at Fujian Datang International Ningde Power Generation Company Limited



The "Work Safety Month" campaign at Jiangxi Xinyu No. 2 Power Company



The safety experience hall at Hebei Douhe Thermal Power Plant



# Working Together to Empower Staff in Growth and Secure Employee Well-being

We adhere to the talent philosophy of "putting the striving people first, making them a shining example." In this regard, we value each employee's contribution, safeguard their rights, foster a conducive environment for their growth, and care about their life and work. Our goal is to advance the building of "Happy Datang" initiatives and nurture a vibrant and skilled workforce.

Total number of employees

29,077

Average training hours received by each employee

112.2<sub>hours</sub>

Coverage of labor contracts

100%

Coverage of social insurance

100%

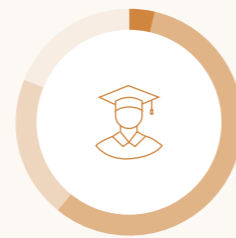




# Protecting Rights and Interests of Employees

We establish a comprehensive human resource management system that ensures a regulated labor and employment management. We encourage employees to engage in the democratic management and improve the compensation structure. What's more, we promote the well-being of our employees both physically and mentally, and protect their legitimate rights and interests. In 2023, the total number of employees was 29,077, including 4,976 female employees, 1,630 ethnic minority employees, and an employee turnover rate of 2%.

## Basic situation of staff structure in 2023



### Rights and interests protection

As an advocate of the policy of equal opportunity employment, we enforce the system of employment supervision and inspection that prohibits employment discrimination and forced labor. What's more, we emphasize gender and ethnic equality and ensure equal pay for equal work. Meanwhile, we work to improve and standardize the management of labor contract and establish a multi-tiered social insurance system that safeguards the rights and interests of our employees.

### Democratic management

We empower our employees to engage in democratic management by regularly convening employee representative conference. We advance the system of factory affairs disclosure by promoting relevant channels such as the "Employee Knowledge Wall" and "Factory Updates," addressing pressing concerns of our workforce. This approach ensures our employees' rights to be informed, to participate, to be heard, and to oversee.

### Compensation and benefits

We improve the management systems such as the total salary method and the salary payment method, and improve the internal distribution system that prioritizes our technical talents and frontline workers. In addition, we offer employees "five mandatory insurance plans and a housing provident fund", along with the package of enterprise annuities and supplementary medical insurance, aiming to ensure employees' welfare.

### Occupational health

We work to ensure our employees a safe and healthy work environment, provide necessary protective gear and conduct occupational health training. Additionally, working at the "100+1" program, we establish a team of counselors and an advice-giving service hotline and organize specialized mental health training and counseling sessions, with a goal to safeguard the mental well-being of our staff.

Employees of Hebei Wangtan Power Generation Company carries out sandplay therapy in "care room for employee mental well-being"

Hebei Zhangjiakou Power Generation Company carries out free medical programs





# Supporting Employee Development

We work to advance the strategy of strengthening the enterprise through talents. In this regard, we organize skill competitions at all levels and implement various incentive mechanisms such as "diverse channels for talent development", "emphasizing certification for all positions", "encouraging employees in thermal power companies to acquire certificate in wind power and to build dual expertise", and "linking training points to overall wages". These measures aim to continuously refine our talent development path and facilitate a smooth career progression for our employees.

Training projects carried out

12,782

Participants covered

648,723

Coverage of training received by employees

99.9%



In the 11 competitions of Zhenxing Cup National Youth Vocational Skills Competition, including the electrician competition, the wind power operation and maintenance competition and the relay protection industry competition, one employee received the title of Technical Expert in China, 18 employees received the title of industry-level technical experts, and 27 employees received the title of Highly Skilled Employee.

### Employee training coverage by employee category (%)

Senior Management	100
Middle Management	100
Ordinary employees	99.8

### Employee training duration by employee category (hours)

Senior Management	121.2
Middle Management	123.8
Ordinary employees	109.5



Hebei Wu'an Power Generation Company holds the 6th Gold Medal Master-Apprentice Competition



Jiangxi Fuzhou Power Generation Company holds the activity for outstanding young employees to sign up as the "youth counselors"



Model workers of Fujian Branch tell stories of "Growing up with Datang and making progress together" in the experience sharing meeting



Employees of Hebei Duohe Thermal Power Plant received the title of power industry "Technical Expert" in the 14th National Power Industry Vocational Skills Competition (Electricity Trader)



# Striking Work and Life Balance

Besides work, we pay attention to the daily life needs of our employees, offering support to those facing difficulties or who have retired and prioritizing the well-being of our female employees. In addition, we organize various activities to enrich their lives.



Anhui branch organizes the activity of guessing the lantern riddles for employees



Hebei Baoding Thermal Power Plant's extends Mid-Autumn Festival greetings



Chongqing branch participates in the performance of the seventh anniversary of Shaanxi-Chongqing strategic cooperation



Yang Jiacheng from Zhejiang Wushashan Power Generation became one of the torch bearers of the Asian Games



Fujian branch holds "summer day care class for employee children" as a special benefit



Hebei Matou Thermal Power Company holds a company-wide rope-jumping match



Anhui branch holds a brisk walk activity with the theme of "Embrace the Guiding Principles of the 20th CPC National Congress, Forge Ahead in Unity"



# Contributing to a Better Life and Social Harmony

Being committed to the general picture of national economic and social development, we keep incorporating the principles of social responsibility into our development strategies and business operations. In addition, we actively fulfill our corporate social responsibilities with what Datang Power has to offer. Our aim is to contribute to both industry advancement and community progress, joining hands with all stakeholders for high-quality win-win cooperation.

Invested in rural vitalization

RMB **19.8796** million

Provinces and regions covered by assistance program

**11**

Counties and villages with targeted assistance

**39**

Assistance projects

**64**

External donations

RMB **8.4362** million





# Driving Industry Development

We actively seek to establish a wide range of cooperative relationships with partners inside and outside the industry. Our aim is to drive industry development together, facilitate resource sharing and utilize what we can offer to one another. By injecting fresh vitality into a prosperous industry, we may foster a yet more robust, thriving, and sustainable ecosystem.

## Multilateral cooperation

We concentrate on national strategies and enhance win-win cooperation. In this regard, we advance exchanges with the Party and government leaders from provinces, municipalities and autonomous regions, and engage in work consultations with sister companies, working together to foster partnerships between the government, businesses, and educational institutions.

### Case: Sharing New Opportunities, Working Together for Progress

During the Promotion for Investment Project of State-Owned Enterprises in Hebei Province and the Signing Ceremony of Key Projects in the 2023 China Langfang International Economic and Trade Fair in Hebei Province, the Company and Sanyou Group embraced the principle of "leveraging complementary strengths and pursuing win-win cooperation". Focused on the strategic industry clusters of new energy and new materials, both parties enhanced their cooperation centered around the "comprehensive utilization of salt field resources." In this regard, they signed the *Cooperative Development Agreement on Salt-light Complementation and Comprehensive Utilization of New Energy Project in Tangshan Daqinghe Salt Fields*. This move not only emphasizes collaborative innovation and industrial collaboration but also adds a new chapter to the history of the coordinated development of the Beijing-Tianjin-Hebei region.



Datang Power signs *Cooperative Development Agreement on Salt-light Complementation and Comprehensive Utilization of New Energy Project with Sanyou Group in Tangshan Daqinghe Salt Fields*

We have revised and issued the *Datang Power Procurement Management Regulations* and released the *Datang Power's Targeted Work Plan on Enhancing Procurement Compliance Management*, aiming to effectively advance the implementation of targeted procurement compliance governance. We seek to establish a refined system and mechanism for managing compliant procurement. In addition, we further the three-tier procurement supervision, intensify oversight of procurement management, and inspire a strong sense of integrity in those managing procurement compliance, hoping to shape a sound procurement climate.

## Responsible procurement

### Case: Enhancement of procurement management capacity

The Company has conducted specialized training on the supervision of "material bidding and procurement", the contents of which cover various aspects including the concept of procurement, national laws and regulations, management protocols, basic procedures, and common issues. The training offers the comprehensive knowledge related to material procurement, especially including numerous case studies, seamlessly integrating disciplinary inspection with operational supervision. It helps broaden participants' perspectives on material procurement supervision and enhance their ability to identify and address issues effectively, enabling them to spot breakthroughs and take precise measures in supervision. The initiative not only strengthens the oversight capabilities of the Company's disciplinary personnel in material bidding and procurement but also allows them to take more precise and efficient measures in the targeted work on compliance procurement management.



Datang Power conducts Specialized training on procurement supervision

We attach great importance to supplier responsibility management throughout the cooperation process, strictly prohibiting practices like bid-rigging, collusion, refusal to fulfill contracts, and falsification of qualifications or performance. We rigorously assess and select suppliers, and conduct regular qualification audits to consistently elevate our supply chain standards.

## Supply chain development



Guangdong branch signs a strategic cooperation framework agreement for a demonstrative integration project of offshore wind power + marine ranching at the International Offshore Wind Power Technology Innovation Conference



# Supporting Rural Vitalization

We deepen the "Three Supports and Three Truths, Five-sphere Integrated" assistance system with characteristics of Datang Power. Our initiatives cover livelihood, Party building, education, industry, and employment, aiming to advance targeted assistance program from a higher position and with higher standards and quality.

## Assistance with livelihood



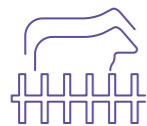
To fulfill the requirements outlined in provincial, municipal, and county documents regarding rural revitalization, we concentrate on pressing issues of rural residents. By leveraging various resources and seeking funding from multiple channels, we carry out livelihood assistance programs aimed at enhancing rural infrastructure and living conditions. Our objective is to address shortcomings concerning Two Assurances and Three Guarantees initiative and to launch projects that resonate with and benefit the local populace.

## Assistance with education



We continue with our "vitalizing villages with talents" initiative and "compassionate assistance with education" program. We offer scholarships and grants and manage to make them the dedicated fund that can be practically deployed. Additionally, we invite agricultural experts to provide guidance on breeding techniques and enhance farmer's relevant skills.

## Assistance with industry



We work to revitalize the collectively-owned rural assets and resources, develop characteristic industries, and blaze new development trails. We provide guidance for farmers to keep advancing agriculture and animal husbandry, thereby boosting collective village income and consolidating the achievements made in poverty alleviation.

## Assistance with employment



We ensure the proper placement of personnel in public welfare positions, addressing employment challenges through initiatives such as labor export and public welfare jobs. What's more, by engaging with county and municipal-level human resources markets, we manage to provide villagers with external job opportunities and expand employment channels for rural labor, thereby steadily improving their household income.

### Case: Working with responsibility and dedication in Qinghai

Taking in account the underdeveloped infrastructure in the local high-altitude pastoral areas, Qinghai Datang International Gonghe Photovoltaic Power Generation CO LTD actively integrates itself into the region's overall development plan. It helps improve livelihoods through various measures, advance infrastructure construction and implement education initiatives. Over the years, the company has invested a total of RMB 53.55 million in 20 projects focusing on developing infrastructure for people's well-being, with areas ranging from education and road to drinking water for both humans and livestock and electricity supply. These efforts significantly contribute to the sustainable development of Datang Power in the Qinghai region.



Anhui (Huaibei) branch provides assistance with education



Heilongjiang branch provides assistance through consumption



# Engaging in Community Service

Community forms the bedrock of corporate development. Guided by the principle of "contributing to society, enriching communities," we work to engage in community development. This involves encouraging a sense of social responsibility and citizenship in our staff, thereby promoting our corporate brand image and social influence. Our aim is to contribute to a more beautiful and harmonious community climate.

## Case: Taking swift and responsible action in disaster relief

In August 2023, a heavy rainfall caused by typhoon hit the Beijing-Tianjin-Hebei region. Many areas in the region, including Beijing, Xingtai and Zhuozhou, were ravaged by flood disaster triggered by extreme downpours. In response, we promptly activated the emergency plan, mobilizing rescue teams to the affected areas to search and evacuate the affected individuals, ensuring their safety above all else. In addition, we worked to coordinate resources and provide essential supplies, helping with the prompt restoration of normal order of life and production.



Zhejiang branch conducts volunteer service for Asian Games



Sichuan branch's "little green peppers" serve as volunteers in Chengdu FISU Games



Zhangjiakou New Energy Business Unit conducts the month-long Lei Feng volunteer service activity



Hebei Fengrun Thermal Power Company organizes staff tree-planting activity

## Case: "Powering" the future through star class

Anhui Ma'anshan Dangtu Power Generation Co., Ltd. advances the "Datang Star Class" initiative, with staff assuming the role of teachers to impart scientific and cultural knowledge, along with essential electrical safety tips to students. This initiative serves as a bridge linking exploring scientific and cultural knowledge to pursuing joyful growth, with staff interacting actively with the students. They establish a friendship with the students by participating in activities like basic soccer training and physical fitness tests, sharing the warm and enjoyable moments of classroom together.



Anhui Ma'anshan Dangtu Power Generation Co., Ltd. conducts the Datang Star Class



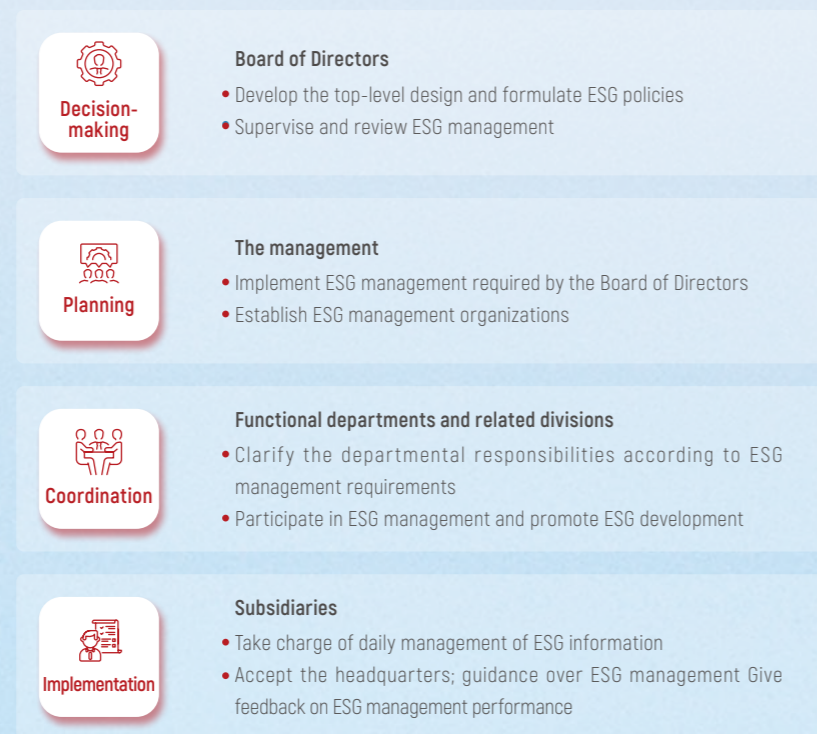
# CSR Management

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.

### ESG management working mechanism



## Material Topics

In combination of the expectations and demands of all stakeholders with our actual development and with reference to the ESG Reporting Guide and GRI Standards, we identify the material topics that meet the ESG governance requirements of Datang Power from the two dimensions of "the importance to stakeholders" and "the importance to the Company".

Party Building	Technological Innovation	Carbon Management	Protecting Shareholders' Rights	Responding to National Policies
Clean Energy	Energy Saving and Emission Reduction	Biodiversity Protection	Employee Development and Rights	Work Safety and Occupational Health
Power Market Development	Win-win Cooperation	Ultra-low Emission	Compliance Management	Risk Management
Stable Energy Supply	Promoting CSR Fulfillment along the Supply Chain Responsibility	Communication with the Public	Voluntary Service	Community Development
Respect for Intellectual Property Rights	Rural Vitalization	Maintaining the Market Environment	Optimizing Customer Service	Industry Cooperation and Development



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

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



# Outlook

In 2024, we will continue to follow the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, and prioritize the overall requirements from CDT on "putting forth the efforts in promoting structural reform, and reform and opening up, promoting social fairness and justice, as well as creating a green political eco-system," "better balancing both domestic and international situations, coordinating epidemic prevention and control with economic and social development, and development with security," and "resolutely enhancing our capacity for supplying energy and electricity to the capital, resolutely strengthening safety management to fortify our foundation, resolutely improving quality and efficiency, resolutely promoting transformation and development, and resolutely addressing risks." We will bolster our comprehensive understanding of

"voluntarily adhering to the overall situation and firmly upholding it," reinforce our flagship mindset of "always striving to lead," and cultivate a work style centered on "seeking truth, being pragmatic, and working diligently." Meanwhile, we will spare no effort to enhance our capacity for supplying energy and electricity to the capital, strengthen safety management to fortify our foundation, improve quality and efficiency, promote transformation and development, and address various risks. We will systematically implement projects for reform and innovation, brand enhancement, team building, and Party building.

## Fulfilling our mission by enhancing energy supply capability for the capital

Continuously mindful of the cause of the Party and the country, we have intensified the symbiotic relationship between high-quality development and high-level safety. We have comprehensively bolstered our capacity to ensure energy supply and its reliability even under extreme conditions.

We have better coordinated energy supply and the improvement of quality and efficiency, and continually reinforced lean operations and management, striving for the seamless integration of economic, political, and social aspects at an elevated standard.

## Advancing green transformation and development through clean and low-carbon initiatives

We have steadfastly advanced the development of strategic emerging industries such as new energy on a large scale and with great intensity to foster new industrialization and cultivate new quality productive forces.

We have continued to promote collaboration between coal mining and coal-fired power enterprises, as well as between coal-fired power and new energy enterprises. Meanwhile, we have vigorously pursued the development of clean and efficient coal-fired power projects to facilitate the transformation of traditional industries.

## Unleashing the vitality of digital and intelligent technologies through innovation-driven strategies

We will deeply integrate into CDT's "224" technology innovation system, enhance our own technological innovation system, and strengthen management of investment in research and development programs. Concurrently, we will enhance incentives for innovation to fully stimulate the enthusiasm of all staff to engage in technological innovation.

We will actively promote the application of technologies such as intelligent security, smart monitoring, intelligent inspection, and smart fuels to ensure the safe operation of our business.

## Building a robust foundation for stable operations through efficient safety initiatives

We are committed to rigorously enforcing mandates focused on eliminating safety hazards, bolstering foundational measures, and enhancing efficiency. Through a three-year action plan, we will significantly elevate work safety standards.

We will firmly embed the principle of "life first and safety first" at the core of our operations. In alignment with the directives outlined in the "NO. 1 document" on work safety, we will strive to achieve zero violations and zero unplanned shutdowns, thereby enhancing the Company's capability to ensure comprehensive work safety.

## Improving employee well-being and progressing together with them

Embracing the employee development ethos of "valuing hardworking employees as our cornerstone and empowering them to demonstrate their talents," we will enhance the Company's framework for fostering outstanding technical and skilled talents while executing a youth talent navigation initiative. Concurrently, we will expedite the refinement of our personnel structure and cultivate a proficient and high-performing workforce across all fronts.

We will persist in offering accessible channels for employees to voice their concerns, diligently safeguarding their legal rights and interests, and optimizing their quality of life. This commitment will deepen employees' sense of accomplishment, happiness, and security.

## Contributing to fostering social harmony and enhancing the happiness and fulfillment in people's lives

We are committed to actively fulfilling our corporate social responsibility, contributing to the development of our industry and the progress of our community. We will collaborate with all stakeholders to achieve high-quality cooperation and mutually beneficial outcomes.

We will uphold our dedication to active participation in rural vitalization initiatives. Our efforts will focus on fostering sustainable economic growth in rural areas, facilitating agricultural modernization, and fostering the advancement of rural communities, thus facilitating their economic prosperity and social advancement.

Furthermore, we have redoubled our efforts to engage in social welfare and charitable activities, aiming to improve people's well-being, foster social harmony, and showcase a responsible corporate image.



# Key Performance

## Economic

Indicator	Unit	2021	2022	2023
Net profit	RMB billion	-11.896	-0.871	3.005
Total assets	RMB billion	296	305.1	303.999
Revenue	RMB billion	101.5	114.6	120.7
Electricity generation	TWh	272.9	261.9	274.959
Total installed capacity	MW	68,770	71,024	73,291
Market electricity	TWh	170.540	199.709	229.128
On-grid power	TWh	257.7	246.9	259.4
Proportion of clean energy	%	30.27	33.10	37.75

## Social

Indicator	Unit	2021	2022	2023
Number of on-job employees	-	32,641	31,127	29,077
Number of female employees	-	5,793	5,366	4,976
Number of minority employees	-	1,650	1,649	1,630
Employee turnover rate	%	4.2	3	2
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	9,982	4,007	6,609
Average training hours per employee	hour	91.5	98.0	112.2
Trade union membership rate	%	100	100	100

## Environmental

Indicator	Unit	2021	2022	2023
Total CO <sub>2</sub> emissions	10,000 tons	20,071	19,196	19,703
Direct CO <sub>2</sub> emissions	10,000 tons	20,067	19,186	19,686
Indirect CO <sub>2</sub> emissions	10,000 tons	3.79	9.7	17
CO <sub>2</sub> emission rate	g/kWh	865.6	817.8	856.8
Total NO <sub>x</sub> emissions	10,000 tons	3.083	2.770	2.852
NO <sub>x</sub> emission rate	g/kWh	0.124	0.12	0.119
Total SO <sub>2</sub> emissions	10,000 tons	1.767	1.610	1.636
SO <sub>2</sub> emission rate	g/kWh	0.071	0.070	0.069
Total dust emissions	10,000 tons	0.272	0.250	0.262
Dust emission rate	g/kWh	0.011	0.011	0.011
Total fly ash emissions	10,000 tons	3,303.88	3,369.70	3,379.58
Comprehensive utilization rate of fly ash	%	69.22	65.31	73.25
Total gypsum emissions	10,000 tons	585.82	564.04	566.42
Comprehensive utilization rate of gypsum	%	74.32	80.02	86.14
Total water consumption	10,000 tons	17,250.29	17,894.83	18,790.35
Water consumption of per kWh of power generated	kg	0.85	0.80	0.79
Total oil consumption	10,000 tons	0.76	0.63	0.74
Oil consumption of per GWh of power generated	ton	0.0376	0.0282	0.0312
Comprehensive power consumption rate	%	5.51	5.67	5.66
Standard coal consumption	10,000 tons	6,442.21	6,057.35	6,879.44
Coal consumption per kWh of power supply	gce	291.72	290.82	289.36



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	B6.4 Description of quality assurance process and recall procedures.		Note: It is not applicable due to the business type of the Company.
Aspect B7-Anti- corruption	B6.5 Description of consumer data protection and privacy policies, how they are implemented and monitored	<b>Advancing Green Transformation and Development Through Clean and Low-Carbon Initiatives</b> --Supplying Green Energy	P22-24
	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.	<b>Corporate Governance</b>	P10-12
	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.	<b>Corporate Governance</b>	P10-12
Aspect B8- Community Investment	B7.2 Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored	<b>Corporate Governance</b>	P10-12
	B7.3 Description of anti-corruption training provided to directors and staff.	<b>Corporate Governance</b>	P10-12
	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	<b>Contributing to a Better Life and Social Harmony</b> -- Supporting Rural Vitalization -- Engaging in Community Service	P54-57
Aspect B8- Community Investment	B8.1 Focus areas of contribution (e.g., education, environmental concerns, labour needs, health, culture, sport)	<b>Contributing to a Better Life and Social Harmony</b> -- Supporting Rural Vitalization -- Engaging in Community Service	P54-57
	B8.2 Resources contributed (e.g., money or time) to the focus area	<b>Contributing to a Better Life and Social Harmony</b> -- Supporting Rural Vitalization -- Engaging in Community Service	P54-57



# Feedback

## Dear Readers,

Thank you for taking time to read Datang Power's *2023 Social Responsibility 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?

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

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**Access to the Report**

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

Tel: 010-88008287

Email: dtgjzys@163.com

 This report is printed on environmental-friendly paper.