



山西美锦能源股份有限公司
Shanxi Meijin Energy Co.,Ltd.

2023

ESG & Sustainability Report



LOW-CARBON WORLD EXPANDS THE FUTURE OF HYDROGEN

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Chairman's Message



赵锦龙

Chairman of Shanxi Meijin Energy Co., Ltd.

The year 2023 was a year with a complicated and changeable external environment. In this year, Meijin Energy insisted on putting stability first and seeking progress while maintaining stability, adhered to the development strategy of "two-wheel drive", and actively promoted the "cleanization" of traditional energy and "scaling up" of clean energy, continuously strengthened the endogenous power, and took the initiative to cope with the new situation and new challenges.

Green is the foundation for the company to achieve high-quality development. The year 2023 was also the first year for fully implementing the guiding principles set out at the 20th CPC National Congress. The mission of the energy revolution is as solid as a rock. Meijin Energy carried forward the spirit of being a "pioneer in the energy revolution", steadily and orderly pushed forward green and low-carbon energy transformation, accelerated the process of commercialization and promotion of hydrogen energy, endeavored to be at the forefront of the energy revolution and made a demonstration, and actively contributed to the energy transformation and low-carbon development of the

country by injecting new momentum and vitality.

Innovation is the inexhaustible driving force for the company's development. In 2023, Meijin Energy, driven by innovation, increased its investment in research and development on the basis of maintaining the quality of its products, promoted the development of new products and new technologies, and accelerated the transformation of innovation results; strengthened the collaboration between enterprises, universities and research institutes, gave full play to the synergistic effect between the company and the government, universities, and scientific research institutes, and enhanced the company's operational efficacy through technological breakthroughs and the innovative allocation of production factors, and lead the company's green and low-carbon transformation through scientific and technological innovation. In the past year, Meijin Energy has paid more attention to the quality and sustainability of development, focused on improving the resilience of the industrial chain and supply chain, and continued to improve and strengthen the coke and chemical industries, aimed at the development direction of new energy, new materials,

and fine chemicals, and promoted the extension of the industrial chain towards stronger innovation and higher added value. It has continued to improve quality and efficiency in the traditional energy sector, accelerated the implementation of the "Five Ones" strategy in the hydrogen energy sector, and realized the synergistic benefits in its seven sectors.

Employees are the company's wealth and development foundation. Meijin Energy adheres to the "people-oriented" principle and continuously improves the human resource management mechanism, ensuring that every employee receives attention and equal treatment. Adhering to the concepts of diversity, inclusiveness, and equality, we continue to create a warm and harmonious corporate atmosphere and a convenient and comfortable working environment; we have established a comprehensive training system to allow employees to grow while working, creating a favorable environment in which everyone can be successful and where everyone can develop their talents to the fullest; we also attach great importance to the health and safety of our employees, and we regard production safety as the primary goal, effectively implement production safety responsibility system, and guard the safety of our employees. We cherish and value talents and look forward to making every employee gain warmth from Meijin Energy. The development of Meijin Energy can not be separated from the support of the country, the government, and all walks of life. In 2023, Meijin Energy was firmly confident and steadily operated. Under the help and guidance of the Party committees and governments at all levels and various policies, the strong leadership of the company and the Board of Directors, and the joint efforts of colleagues from all walks of life, the production targets were basically realized, all work was carried out in an orderly manner, the operation and management capabilities were effectively enhanced, and important

tasks were basically completed. With many helpers, enterprises can be sustainable. With a sense of social responsibility and a sense of mission, we actively participate in public welfare and charity and play our role in pursuing rural revitalization, providing high-quality education, and supporting community development.

In the new year, Meijin Energy will not only maintain its strategic focus, seize the opportunity and move forward with the trend, actively promote the green and low-carbon transformation of traditional industries, and draw the blueprint for the hydrogen energy industry, but also continue to adhere to the principle of "seeking progress while maintaining stability", promote stability through progress, improve quality and increase efficiency, and strive forward to stand firmly and build a solid foundation in the wave of transformation and development, promote industrial innovation and sustainable development with new productivity, and make Meijin's contribution to the country and the society with unswerving determination. The road is long, and it's limitless to go. We are willing to work hand in hand with colleagues from all walks of life for a better future!

About This Report

Report Notes

This is the third sustainability/environmental, social, and governance report (hereinafter referred to as "This Report") issued by Shanxi Meijin Energy Co., Ltd. (collectively referred to as "Meijin Energy", the "Company" or "We"), with the purpose of comprehensively introduce the company's environmental, social and governance management initiatives and practice performance in 2023, and to objectively disclosure the company's management and effectiveness in sustainable development, in response to the concerns and expectations of the stakeholders and the public, and to strengthen communication and contact with stakeholders.

Scope of the Report

This report covers the information and data of the company from January 1, 2023, to December 31, 2023 (hereinafter referred to as the "Reporting Period"), with some information and data going back to or before 2022 or extending to 2024. This report covers the information and data of the company from January 1, 2023, to December 31, 2023 (hereinafter referred to as the "Reporting Period"), with some information and data going back to or before 2022 or extending to 2024.

Basis of Preparation

This report was prepared in accordance with the relevant requirements of the *Self-Regulatory Guidelines No. 17 for Companies Listed on Shenzhen Stock Exchange—Sustainability Report (For Trial Implementation)* issued by the Shenzhen Stock Exchange (hereinafter referred to as the "SZSE"), the *GRI Sustainability Reporting Standards* (hereinafter referred to as "GRI Standards") issued by the Global Sustainability Standards Board (GSSB), and the *SDG Compass: The Guide for Business Action on the SDGs*, and it was prepared by drawing on the key issues from MSCI, the world's leading rating agency.

The report is guided by the following principles of preparation:

Materiality	The materiality of the company's sustainable development issues is determined by the Board of Directors, and communication with stakeholders, the identification process of importance issues, and the matrix of importance issues are all disclosed in this report.
Quantitative	The statistical standards, methods, assumptions, and/or calculation tools for the quantitative key performance indicators in this report, as well as the sources of conversion factors, are described in the report's explanation.
Balance	This report presents the company's performance during the reporting period in an objective and fair manner, avoiding selections, omissions, or presentation formats that may inappropriately influence the decision or judgment of readers of the report.
Consistency	The statistical methods and calibers used in the data disclosed in this report are consistent with those of previous years unless otherwise stated.

Source Description and Reliability Assurance

The information and data disclosed in this report are mainly from relevant internal statistical reports or documents of the company and have been reviewed by relevant departments. Unless otherwise noted, the data disclosed in the report shall be consistent with the annual report. The company undertakes that there is no false record or misleading statement in this report and is responsible for the authenticity, accuracy, and completeness of the content. The currency amount involved in this report is RMB as the settlement currency.

Report Preparation Process

The content of this report is determined in accordance with a systematic procedure. The relevant procedures include the formation of a working group, the identification of important stakeholders, the interviews with stakeholders, the identification and ranking of materialities related to sustainable development, the determination of the boundaries of reports, the collection of relevant materials and data, the framework determination, the preparation of the report, the design of the report, departmental and senior audit.

Confirmation and Approval

After being reviewed and confirmed by the Commission on Sustainable Development, this report was approved by the Board of Directors on April 25, 2024.

Obtain and Respond to This Report

To view or download the report online, please visit the company's official website, www.mjenergy.cn, to obtain the digital version of the report. We value the suggestions and opinions of stakeholders and welcome and encourage readers to contact us in the following ways. Your suggestions and comments will help us further refine this report and improve our sustainable development performance.

☎ Contact: 0351-4236095

✉ E-mail: mjenergy@mjenergy.cn

Sustainable Development Highlights and Performance

Steady and Long-Term Development, Draw a Fantasy Blueprint



Established a Commission on Sustainable Development.

0 major violations and controversies on business ethics and anti-corruption

Conducted integrity training covering **253** senior executives and **4,807** employees

A total of **30** honors and awards for the company and the leadership

Launched a unified collaborative management platform
Covering Meijin Energy and its **97** subsidiaries
93.33% coverage rate

Contribute to Green Development, Safeguard a Beautiful Nature



Identified **16** climate risks with reference to the TCFD framework
Proposed countermeasures for the top **5** major climate risks

Expanded the accounting scope of greenhouse gas emissions (Scope 3) along the enterprise value chain
A total of **11** categories are identified and calculated

Subsidiaries Dongyu Coal Industry and Jinhui Coal Industry, were selected for the **Shanxi Provincial Green Mine list.**

Generated **59,618** MWh of electricity from gas in 2023

To accelerate the formation of green and low-carbon transport modes, operated **1,092** hydrogen fuel cell vehicles by December 31, 2023

Accumulated safe driving mileage of **15.6** million kilometers

Cumulative reduction in diesel oil consumption of approximately **6.3** million liters

Reduction of carbon emissions by approximately **17,000** tons of carbon dioxide equivalent

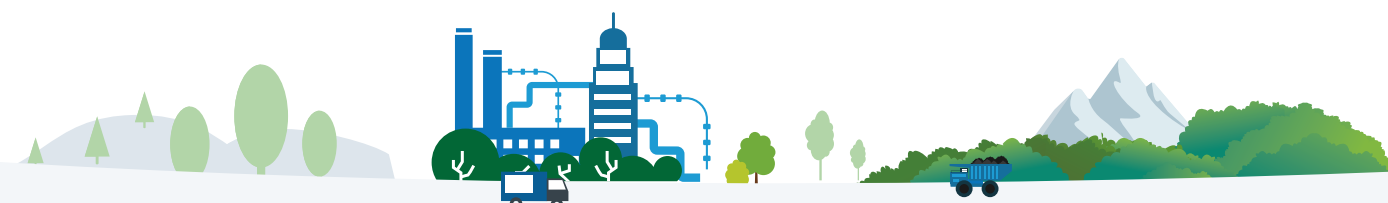
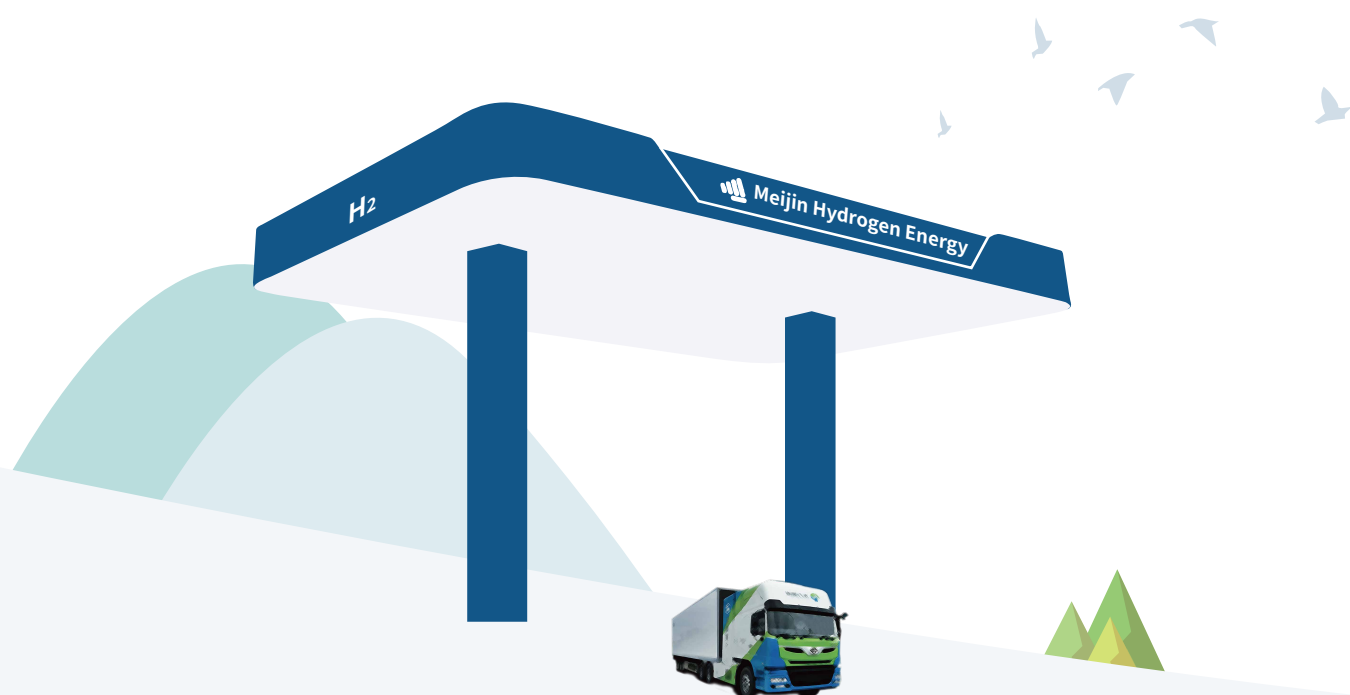
Subsidiary Huasheng Chemical Industry was honored as a **"Water-Saving Enterprise in Shanxi Province."**

97.1 % wastewater reuse rate

99.2 % industrial water reuse rate

Continued land reclamation, greening, and afforestation in the coal sector
As of December 31, 2023
Accumulated **3,948** hectares of reclaimed land area

The hydrogen energy sector, Meijin Energy (Qingdao) Hydrogen Energy Technology Park, was awarded the **"Zero Carbon Park" standard pilot.**



Uphold Fundamental Principles and Break New Ground, Foster a Wonderful Industry



The four industrial parks are making steady progress, releasing greater momentum for the optimization and upgrading of industrial structure:

Key projects in Foshan City, **Guangdong Province Meijin Energy (Foshan) Hydrogen Energy Technology Park** officially opened

Beijing's 300 key municipal-level projects
The first phase of the **Meijin Energy Daxing Hydrogen Energy Headquarters Base Project** was capped

Four Industrial Parks

Key projects in Qingdao
Meijin Energy (Qingdao) Hydrogen Energy Technology Park was launched

Major projects in Guizhou Province
Comprehensive utilization demonstration project of Guizhou Meijin "Coal-Coke-Hydrogen"
Heating-up of coke oven battery No. 1

Established the **Technology business division.**

R&D investment of RMB **122** million
A year-on-year increase of **8.07%**

31 new intellectual property rights
A year-on-year increase of **106.67%**

Construction the **Meijin Talent Apartment.**

Number of households to be accommodated upon completion
1,190 households

Approximate residential population
4,165 persons

Stable partnership with **185** high-quality suppliers

Incorporated green and low-carbon into supplier management evaluation criteria.

Setup **31** after-sales service centers for hydrogen fuel cell vehicles nationwide

Established **80** service support teams

Completion rate of processing of customer requirements **100%**

Make Concerted Efforts, Build a Harmonious Home



Current employees
8,629

Ethnic minority employees
183

Employees with disabilities
13

Local employment rate
67.20%

Optimization and upgrading of the employee compensation system, including variable **performance-based pay**; establishment of a **multi-level employee welfare safeguard system.**

Total hours of staff training
278,818 hours

Total number of people trained
27,099 persons-times

Health and safety training
722 sessions

Covering
9,903 persons-times

Total
10,771 hours

Won the title of **"Charity Donation Enterprise"** in Shanxi Province.



01

Steady and Long-Term Development, Draw a Fantasy Blueprint

Meijin Energy integrates the concept of sustainable development into its corporate governance system. While continuously optimizing its business, Meijin Energy continues to improve its risk management mechanism and abide by business ethics; through adequate communication with stakeholders, Meijin Energy enhances its own governance capabilities, thus laying a solid and stable governance foundation for the sustainable development of the company.

Material Issues We Are Concerned About

- Financial performance
- Corporate governance, business ethics and anti-corruption
- Risk management

Our Actions

- Internal and external efforts to control the company's business risks
- Standardizing incorruptible management and providing corresponding training
- Identifying material issues of concern to stakeholders

Corresponding SDGs



1.1 About Meijin

Company Profile

Shanxi Meijin Energy Co., Ltd. (Stock Code: 000723, Stock Abbreviation: Meijin Energy) is an energy enterprise that grew up along with China's reform and opening-up. Since its establishment, the company has insisted on independent exploration, uphold fundamental principles and breaking new ground, seized the pulse of The Times, and actively adjusted and transformed. As one of the larger independent commercial coke producers in China, Meijin Energy actively responded to the national energy development strategy and began to develop hydrogen energy in 2017, coordinated with the whole industry chain of traditional coal and coke, forming a two-wheel drive strategy and transforming into a comprehensive energy supplier.

As a clean, efficient, and renewable energy source, hydrogen energy is an important support for China in building a new energy system, and it is also a typical representative of new quality productivity forces. After seven years of development, the company's hydrogen energy industry development plan has been comprehensively upgraded to the "Five Ones" strategy: "One point (vehicle manufacturing), one line (upstream and downstream industrial chain of fuel cells), one network (comprehensive energy supply network), one center (carbon assets, big data management and operation center), one platform (hydrogen energy intelligent operation platform)". The company has now completed the layout of the entire hydrogen energy industry chain. It has built an industrial chain of hydrogen "production-storage-transportation-refueling-utilization" in the upstream; it has built a core equipment industry chain of "gas diffusion layer - membrane electrode - fuel cell stack and system - vehicle manufacturing" in the midstream; it has promoted seven major regional development strategies in the downstream, namely the Guangdong-Hong Kong-Macao Greater Bay Area, Yangtze River Delta, Beijing-Tianjin-Hebei, Bohai Rim, Energy Golden Triangle, Central Region, Yunnan, Guizhou and Sichuan. It has now built hydrogen energy industrial parks in several provinces and cities. The company has explored the innovative ecological chain of "the whole life cycle of hydrogen energy" from R&D, manufacturing, and commercial application and continued to build a hydrogen energy industrial cluster with independent intellectual property rights.

At present, as a demonstration and leading enterprise in the development of the traditional energy and hydrogen energy industry, Meijin Energy is continuously consolidating the foundation of main industry development, giving full play to the advantages of the whole hydrogen energy industry chain, integrating technical resources and conditions, increasing infrastructure construction, promoting collaborative innovation in science and technology, exploring business development paths, and actively making due contributions to the adjustment and transformation and upgrading of the national energy structure. In the future, Meijin Energy will closely follow the national strategic goal of "carbon peak and carbon neutrality", seize the strategic opportunity of the development of the national hydrogen energy industry, take green development as the background color of the company's high-quality development, and strive to become an active practitioner of carbon peak and carbon neutrality goals, an excellent pioneer in the energy revolution, a brave pathfinder of energy transformation, and a forerunner of the era of the hydrogen energy industry.

In 2023, the company had RMB 42.513 billion in assets and 8,629 employees.

2023 Financial Performance		
Operating Income	Total Profit	Basic Earnings Per Share
RMB 20,811.04 million	RMB 382.56 million	RMB 0.07 per share
Net Cash Inflow from Operating Activities	The Total Amount of Tax	R&D Expenses
RMB 911.21 million	RMB 2,242.56 million	RMB 121.89 million
Social Contribution	Environmental Protection Expenses	Occupational Health Expenses
RMB 9.54 million	RMB 207.69 million	RMB 32.40 million

Business Overview

Meijin Energy is organized into four segments: coal, coke, chemicals, and hydrogen energy, and will establish a new technology segment in 2023. Currently, there are 104 subsidiaries in five segments under the listed company. By analyzing the core business and operating scale of each subsidiary, we selected 52 core subsidiaries within the scope of Meijin Energy headquarters and consolidated statements for listing, including 4 in the coal sector, 6 in the coke sector, 3 in the chemical sector, 26 in the hydrogen energy sector, 2 in the technology sector, and 11 in other sectors. The details are as follows:

Business Sectors	Company's Name	Company's Abbreviation
Headquarters	Shanxi Meijin Energy Co., Ltd.	Meijin Energy
	Shanxi Fenxi Taiyue Coal Industry Co., Ltd.	Fenxi Taiyue Coal Industry
	Shanxi Meijin Group Dongyu Coal Industry Co., Ltd.	Dongyu Coal Industry
	Shanxi Meijin Group Jinfu Coal Industry Co., Ltd.	Jinfu Coal Industry
Coal	Shanxi Meijin Group Jinhui Coal Industry Co., Ltd.	Jinhui Coal Industry
	Shanxi Meijin Huasheng New Chemical Materials Co., Ltd.	Huasheng Chemical Industry Industry
	Tangsteel Meijin (Tangshan) Coal Chemical Co., Ltd.	Tangsteel Meijin
	Shanxi Meijin Coal Chemical Co., Ltd.	Meijin Coal Chemical
Coke	Shanxi Shangde Water Supplies Co., Ltd.	Shangde Water Supplies
	Guizhou Lanjin Water Supplies Co., Ltd.	Guizhou Lanjin Water Supplies
	Guizhou Meijin Huayu New Energy Co., Ltd.	Guizhou Huayu
	Shanxi Meijin Hydrogen Energy Development Co., Ltd.	Hydrogen Energy Development
Chemical	Shanxi Runjin Chemical Co., Ltd.	Runjin Chemical
	Shanxi Meijin Coal Chemical Hydrogen Production Co., Ltd.	Coal Chemical Hydrogen Production
	Beijing Meijin Jiachuang Private Equity Fund Management Co., Ltd.	Beijing Private Equity
Hydrogen Energy	Beijing Zhongqing Huanyu Technology Co., Ltd.	Zhongqing Huanyu Technology
	Beijing Zhongqing Huanyu Hydrogen Technology Service Co. Ltd.	Zhongqing Huanyu Hydrogen Energy
	Beijing Zhongqing Huanyu Yanxin Hydrogen Energy Technology Co., Ltd.	Zhongqing Huanyu Yanxin
	Feichi Automobile Technology (Guangzhou) Co., Ltd.	Feichi Technology(Guangzhou)
	Feichi Automobile Technology (Ningxia) Co., Ltd.	Feichi Technology (Ningxia)
	Foshan Feichi Automobile Technology Co., Ltd.	Feichi Technology
	Jinhua Hesheng (Qingdao) Venture Capital Fund Partnership	Qingdao Jinhua
	Luanzhou Meijin New Energy Co., Ltd.	Luanzhou New Energy
	Meijin (Beijing) Hydrogen Energy Technology Co., Ltd.	Meijin Hydrogen Energy Technology

Business Sectors	Company's Name	Company's Abbreviation
Hydrogen Energy	Meijin Hydrosys (Qingdao) Venture Capital Fund Partnership	Hydrosys
	Meijin Jiachang (Beijing) Capital Management Co., Ltd.	Beijing Meijin Jiachang
	Meijin Meihe (Foshan) New Energy Co., Ltd.	(Foshan) New Energy
	Meijin Climate No.1 Venture Capital Fund (Sanya) Partnership (Limited Partnership)	Meijin Climate No.1
	Meijin Qingyang (Qingdao) Equity Investment Partnership (Limited Partnership)	Meijin Qingyang
	Pinghu Meijin Hydrogen Energy Co., Ltd.	Pinghu Meijin Hydrogen Energy
	Qingdao Meijin Hydrogen Technology Co., Ltd.	Qingdao Hydrogen Energy Technology
	Qingdao Meijin Investment Development Co., Ltd.	Qingdao Investment
	Qingdao Meijin New Energy Automobile Manufacturing Co. Ltd.	Qingdao Meijin
	Shanxi Meijin Hydrogen Energy Technology Co., Ltd.	Hydrogen Energy Technology
	Shanxi Meijin New Energy Vehicle Manufacturing Co., Ltd.	Meijin New Energy Manufacturing
	Tianjin Tianchi Automobile Co., Ltd.	Tianjin Tianchi
	Xiaoshizi (Beijing) Automotive Supply Chain Management Co., Ltd.	Xiaoshizi Automobile Supply Chain
	Xiaoshizi (Tangshan) Automotive Supply Chain Management Co., Ltd.	Xiaoshizi (Tangshan)
	Yunfu Feichi New Energy Vehicle Co. Ltd.	Yunfu Feichi
	Zhejiang Feichi New Energy Automobile Technology Co., Ltd.	Zhejiang Feichi Technology
Technology	Shanxi Meijin Technology Co., Ltd.	Meijin Technology
	Shanxi Zhongke Meijin Carbon Materials Co., Ltd.	Zhongke Meijin
Others	Bayannur Ruipuxin Trading Co., Ltd.	Ruipuxin Trading
	Ejin Banner Puxin Energy Co., Ltd.	Ejin Banner Puxin
	Hohhot Hangyu New Energy Co., Ltd.	Hangyu New Energy
	Jiaocheng Wanghui Energy Co., Ltd.	Jiaocheng Wanghui
	Liaocheng Meijin New Energy Co., Ltd.	Liaocheng Meijin New Energy
	Luohe Meijin New Energy Co., Ltd.	Luohe Meijin
	Nanyang Meijin New Energy Co., Ltd.	Yigao Clean
	Inner Mongolia Puxin Energy Co., Ltd.	Inner Mongolia Puxin Energy
	Urad Middle Banner Meijin Gas Co., Ltd.	Urad Middle Banner
	Ulanqab Huayi Natural Gas Co., Ltd.	Huayi Natural Gas
	Zhongwei Meijin New Energy Co., Ltd.	Zhongwei Meijin New Energy

The main business situation of each sector is as follows:



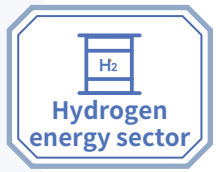
- One of the larger coking coal producers in China
- Abundant coal resources, covering all the coal types needed for coking
- Total approved capacity 6.3 million tons/year



- It fully recovers coking by-products such as coke oven gas, coal tar, and crude benzene and produces high-value-added chemical products such as liquid ammonia, ethylene glycol, and LNG, extending deeply to the upstream and downstream of the industrial chain



- High purity quartz project
- Activated carbon project
- Phase change energy storage new material project
- Intelligent and safe electricity "Andianbao" project
- Meijin Talent Apartment project



Corporate Development Concept

The first generation of entrepreneurs of Meijin Energy started in Qingxu, Shanxi Province, in the early 1980s. For more than 40 years, Meijin Energy has been following national and regional economic development, actively responding to the guidelines of the central government for high-quality development, adhering to the idea of deepening the development of the recycling economy, and continuing to push forward the transformation and development of traditional industries. We firmly focus on the company's mission, take the company's values as the guidance of development, take the corporate culture as the foundation of development, stick to the right path are innovative, and move forward bravely.



Awards and Honors

During the reporting period, while actively responding to the call for national energy development, the company endeavored to promote the company's business innovation and achieved many achievements, which were highly recognized by the outside world. Meijin Energy was honored with many awards and accolades and successively appeared on many lists such as "2023 Fortune China 500", "2023 Global Zero Carbon City Practice Pioneer Award (Gold Level)", and "ESG Golden Bull Award Top 100".

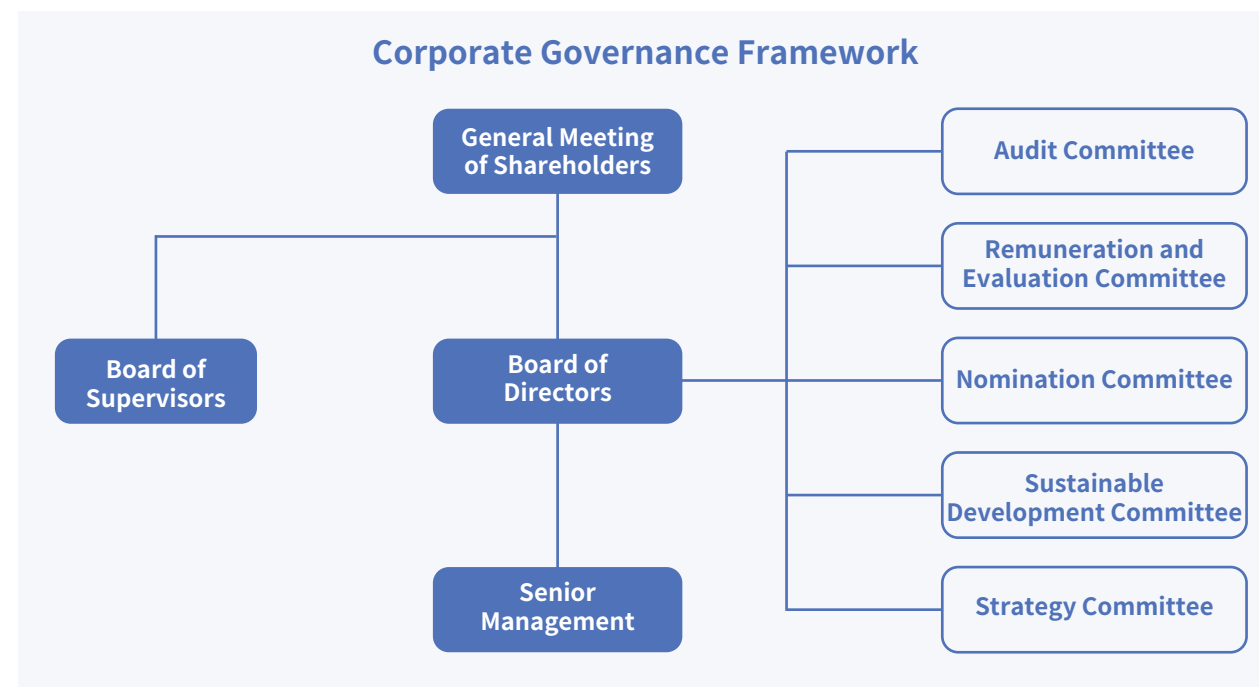
Award entities	Awards & Honors	Awarding Agencies
Meijin Energy	"Charity Donation Enterprise" in Shanxi Province	Shanxi Provincial Party Committee and Provincial Government
	Private Enterprises with Outstanding Contribution in Taiyuan 2023	Taiyuan Municipal Government
	Top 100 Private Enterprises in Shanxi Province	Shanxi Provincial Federation of Industry and Commerce
	2023 Top 30 Private Manufacturing Enterprises in Shanxi Province	Shanxi Provincial Federation of Industry and Commerce
	2023 Global Zero Carbon City Practice Pioneer Award (Gold Level)	United Nations Industrial Development Organization Global Innovation Network project
	2023 Fortune China Top 500	Fortune China

Award entities	Awards & Honors	Awarding Agencies
	2023 Fortune China Top 500 Listed Companies	Fortune China
	2022 Forbes China Top 50 Sustainable Development Industrial Enterprises	Forbes China (won in February 2023)
	2023 Hurun China Top100 Most Valuable Private Energy Companies	Hurun Report
	The 1st China Reform Cup • Top 100 ESG Golden Bull Award	China Securities Journal
	2023 ESG Innovation Practice Cases of Listed Companies	Securities Daily
	2023 Top 10 Green Development Cases	The Beijing News, China Business Case Center, School of Economics and Management, Tsinghua University
	Demonstration Enterprises of Chinese-style Modernized Hydrogen Energy Industrial System	The Economic Observer
	2023 Hydrogen Energy Industry Top 50 • Full Chain Layout of Hydrogen Energy	GG-FC.com
	Enterprises of the Year 2023	GG-FC.com
	Meijin Energy (Qingdao) Hydrogen Energy Technology Park - Zero Carbon Park Standard Pilot	Professional Committee of Energy Investment Committee of China Investment Association, Zero Carbon China Research Center of the Investment Association of China
	2023 Top 500 Brands of China's Listed Companies	China-Asia Economic Development Association, Global Times
	2023 Most Socially Responsible Listed Company	Organizing Committee of the 6th Economic Congress
	2023 Hydrogen Fuel Cell Vehicle Award	WWW.MRHN.CN
	2023 List of China's Top 100 Listed Companies	Warton Economic Institute
	China's Top 500 Listed Companies by Market Capitalization in the First Half of 2023	Wind
	Top Ten Coking Production Enterprises	Chinatsi.com
Leaderships	Chairman — Yao Jinlong was honored with "The Fifth Outstanding Builder of Socialism with Chinese Characteristics in Shanxi Province."	Shanxi Provincial Party Committee and Provincial Government
	Chairman — Yao Jinlong was honored with the "2023 Economic Figures • Outstanding Innovation and Leadership Award for Listed Companies"	Organizing Committee of the 6th Economic Congress
	Director and Vice President —Yao Jinjiang was selected as the "Model Worker of Shanxi Energy System"	Department of Human Resources and Social Security of Shanxi Province, Shanxi Provincial Energy Administration
	Director —Yao Jinli was selected as one of the "2023 Forbes China Outstanding Businesswomen".	Forbes China
	Director —Yao Jinli was selected as the "Daxing District's 'New Country Gate' Leading Talent".	Leading Group Office for Talent Work of the Daxing District Committee
	Director —Yao Jinli was honored with the "Annual Outstanding Contribution Award".	GG-FC.com
	Director —Yao Jinli was selected as the "2023 China's Hydrogen Energy Innovation Leader".	PGO Hydrogen Energy and Fuel Cell Industry Research Institute
	Vice President — Yao Peng, was selected as an "Excellent Private Entrepreneur"	Taiyuan Municipal Party Committee and Municipal Government

1.2 Corporate Governance

Governance Structure

Meijin Energy complies with the requirements of relevant laws, regulations, administrative regulations, and normative documents such as the *Company Law of the People's Republic of China*, the *Securities Law of the People's Republic of China*, and the *Code of Corporate Governance for Listed Companies*, improves corporate governance, and builds a corporate governance structure with clear functions and authority, establishes and improves internal management and control systems, and continuously promotes the standardized operation of the company. During the reporting period, the company actively improved its ESG Governance and established a Commission on Sustainable Development, which is responsible for studying and making recommendations on the company's sustainable development and ESG work and coordinating the practical management of core issues such as the environment, society, and corporate governance, as well as the implementation of the strategic objectives of sustainable development, to ensure that the ESG factors are incorporated into the company's decision-making and business activities.



As of the end of the reporting period, the Board of Directors of Meijin Energy consisted of 9 directors, including 3 independent directors, accounting for 33.3%, and 2 female directors, accounting for 22.2%. During the reporting period, Meijin held a total of 19 board meetings to discuss and review 66 items.

 **3** Independent directors
Accounting for **33.3%**

 **2** Female directors
Accounting for **22.2%**

 Board meetings held **19**

 Considerations for discussion **66**

Position	Name	Gender	Age	Education Background	Specialist Ability		
					Experience in Industry	Risk Management	Experience in Finance
Chairman	Yao Jinlong	M	50	Bachelor from the University at Buffalo, the State University of New York, USA Master of Finance from Rensselaer Polytechnic Institute, USA Mba from Nankai University	✓	✓	✓
Director	Yao Junqing	M	58	Undergraduate, Shanxi Institute of Education	✓	✓	✓
Director	Yao Jinli	F	42	Bachelor of Finance and Accounting (Hons) from the University of Manchester, UK Master of Finance from the University of Cambridge Judge Business School, UK Candidate for PhD in Materials and Chemical Engineering at Fuzhou University	✓	✓	✓
Director	Yao Jinjiang	M	32	Bachelor of Mathematics from Imperial College London, UK Master of Quantitative Research Methods from University College London, UK	✓	✓	✓
Director	Zheng Caixia	F	56	Bachelor's degree from Shijiazhuang Railway Institute Senior Accountant Chinese Certified Public Accountant	✓	✓	✓
Director	Zhao Jia	M	42	Bachelor of Chemical Engineering and Technology from Tianjin University Master of Engineering Management from the University of Technology Sydney, Australia	✓	✓	✓
Independent Director	Li Yumin	M	66	Bachelor of Accounting, Shanxi Institute of Finance and Economics Master of Accounting, Zhongnan University of Economics and Law	✓	✓	✓
Independent Director	Xin Maoxun	M	66	Bachelor of Accounting from Shanxi University of Finance and Economics Certified Public Accountant	✓	✓	✓
Independent Director	Wang Baoying	M	56	PhD from Beijing Institute of Technology	✓	✓	✓

The company has five special committees under the Board of Directors, each committee having its own duties and being responsible for various key matters in the company's production and operation. The details of their work are set out below:

Audit Committee	Strategy Committee	Remuneration and Evaluation Committee	Sustainable Development Committee	Nomination Committee
Supervise and evaluate the work of external audit institutions, propose hiring or replacing external audit institutions, supervise and evaluate internal audit work, and review the relevant systems the company's relevant systems and major assets.	Study and make recommendations on the company's long-term development strategy and major investment decisions and supervise the implementation of related matters.	Make recommendations on the company's remuneration plans or programs for directors, supervisors, and senior executives.	Study and make recommendations on the company's sustainable development and ESG work, and coordinate the practical management of core issues such as the environment, society, and corporate governance, as well as the implementation of the strategic objectives of sustainable development.	Make recommendations on the structure and size of the Board of Directors, the criteria and procedures for the selection of directors and senior executives, and the selection of candidates.

Strengthen Risk Management

Meijin Energy continuously improves its risk control system, establishes an efficient and complete risk management model, and makes efforts from both internal and external management to identify and control risks encountered in its operations to ensure the smooth development of its business and the sound operation of its risk control system.

Internal Control

- Establish a sound compliance management system and set up a risk control and compliance department to improve the company's risk-resistant capability and ensure the compliance of the company's operating activities through system formulation, internal management, risk training, and other initiatives;
- An internal control inspection and supervision plan is developed annually;
- The audit committee evaluates the establishment and implementation of the company's internal control based on the report on internal control inspection and supervision work and relevant information and forms an internal control evaluation report.

External Management

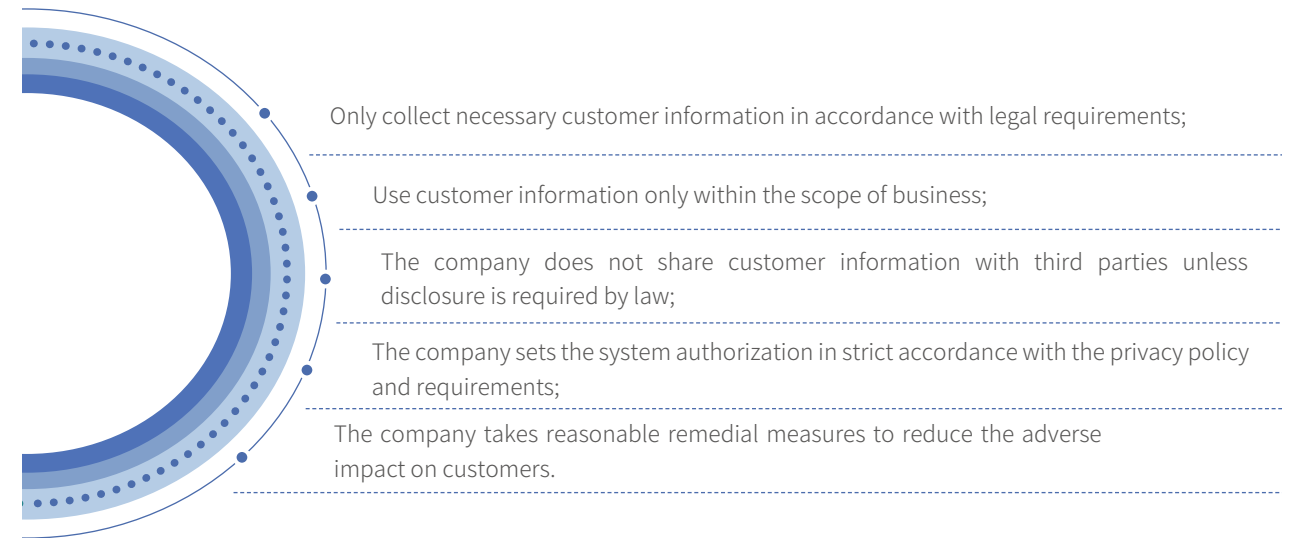
- Maintain open communication with government authorities;
- Participate in meetings, study, and other activities organized by competent departments;
- When necessary, professional institutions will be hired for material declaration and other work.

The company has a total of 3 supervisors, all of whom are women. The basic situation is as follows:

Wang Lizhu	Zhu Jingjing	Yang Junqin
Chairman of the Supervisory Committee	Supervisor	Supervisor
Gender: female Age: 61	Gender: female Age: 27	Gender: female Age: 47
Undergraduate and master's degree from Jilin University	Undergraduate student at Nanchang Institute of Technology, currently studying at the University of International Business and Economics.	Age: 47 Bachelor's degree from Shanxi University of Finance and Economics Master of Laws (LL.M.) from Shanxi University

Data Security and Privacy Protection

Meijin Energy takes the *Data Security Law of the People's Republic of China*, the *Cybersecurity Law of the People's Republic of China*, the *Personal Information Protection Law of the People's Republic of China*, and the *Administrative Measures for Data Security in the Field of Industry and Information Technology* and other relevant laws and regulations as guidelines for the protection of information, and formulates internal systems such as the *Information System Security Management System*, the *Informationization Construction Management Measures*, the *Informationization Project Management System*, and the *Network and System Security Management System*, etc., with the Information Management Department acting as the executive body for the company's data and privacy security to carry out the relevant work.



Establishment of a data security and privacy protection mechanism for the hydrogen energy sector

Meijin Energy's key subsidiaries in the hydrogen energy sector, Feichi Technology and Qingdao Meijin, have established a data security and privacy protection mechanism to ensure data security by means of firewalls, file servers, encryption software, routing and switching communication protocols, division of accounts and roles in the software system, data backup and storage, and storage of data in different buildings in three locations.

Integrity and Compliance Operation

The company regards compliance operation as the bottom line of the company's development and strictly abides by the *Company Law of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, and generally recognized business ethics provisions on anti-corruption, bribery, extortion, fraud, etc. It also continuously improves internal policies such as the *Anti-Bribery, Anti-Corruption, Anti-Fraud, Anti-Money Laundering and Reporting Management System of Shanxi Meijin Energy Co., Ltd. (Tentative)*, the Audit Committee under the company's Board of Directors will supervise specific matters in accordance with relevant policies and systems. Its scope of supervision covers all employees of the company's departments and subsidiaries, as well as customers, suppliers, service providers, contractors, joint-stock companies, and other entities that have business dealings with the company.

The company actively carries out various integrity training. During the reporting period, the training covered 5,060 employees. No major violations or controversies regarding business ethics and anti-corruption occurred in the company or its employees.

Integrity Training Participation



Managerial level
253 persons attended
anti-corruption training



Other employees
4,807 persons attended
anti-corruption training

📄 Incorruptible education project learning carried out in coke sector

In order to strengthen the discipline and self-cultivation of all employees of the sales department of coke sector, enhance their awareness of integrity and self-discipline, and enhance their ability to repeal the corrupting influence, in 2023, the sales department carried out integrity education and training for employees. The meeting centered on the theme of "strictly abiding by discipline and rules, implementing responsibilities at all levels, embracing responsibility with passion, and fulfilling duties" to presentation and training, and used vivid cases to enhance employees' ideological cognition and create a clean working atmosphere.



📄 Anti-corruption training carried out in chemical sector

In order to enhance the ability to repeal the corrupting influence and resist risks, integrity training for management and employees was carried out in the chemical sector in 2023, with 707 effective learners.



1.3 Sustainable Development Governance

⚙️ Sustainable Development Management Structure

The Board of Directors of Meijin Energy is fully responsible for evaluating and formulating the company's strategy of sustainable development and directly manages and supervises the implementation of related work. We have established a Sustainable Development Committee under the Board of Directors, which is mainly responsible for studying and making recommendations on the company's sustainable development and ESG work, and coordinating the practical management of core issues such as the environment, society, and corporate governance, as well as the implementation of the strategic objectives of sustainable development. We have also established an ESG working group, which is responsible for cross-departmental coordination and overall planning of specific matters, and all functional departments and business divisions of Meijin Energy actively cooperate with the work of the group to ensure the smooth progress of the work on sustainable development.

👤 Board of Directors

- Coordinate the work related to sustainable development;
- Review and supervise sustainable development issues.

👤 Sustainable Development Committee

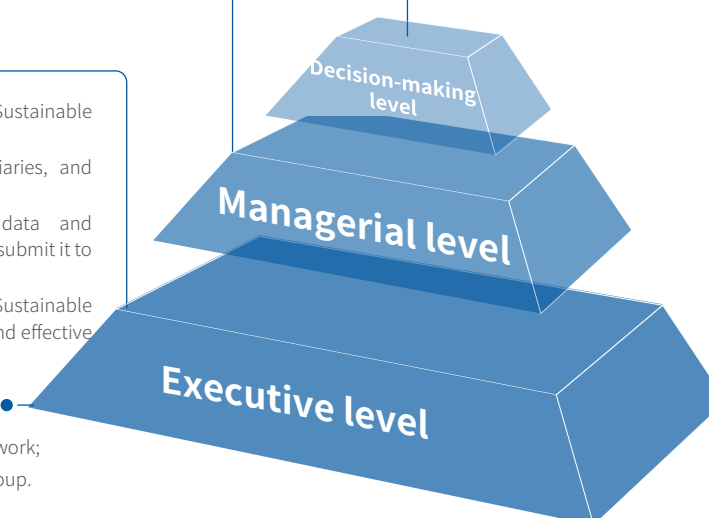
- Supervise the company's commitment and performance on key issues such as addressing climate risks, environmental protection, reducing carbon emissions and fulfilling social responsibilities, and make recommendations to the Board of Directors;
- Strengthen communication with stakeholders, identify matters that have a significant impact on the company's major stakeholders, and make recommendations to the Board of Directors;
- Formulate the company's ESG-related policies, strategies, and goals, identify and evaluate the company's ESG-related risks, and supervise the implementation and completion of the company's ESG-related policies, management and performance;
- Review the company's publicly disclosed annual ESG report (and other sustainability-related reports);
- Other duties assigned by the Board of Directors.

👤 ESG Working Group

- Implementing specific tasks assigned by the Sustainable Development Committee;
- Coordinate the company's business divisions, subsidiaries, and functional departments to carry out corresponding work;
- Regularly and systematically collect ESG-related data and information, form an annual ESG/sustainable report, and submit it to the Sustainable Development Committee for review;
- Regularly report the latest progress of ESG work to the Sustainable Development Committee to ensure accurate execution and effective implementation of ESG work.

👤 Functional Department + Business Division

- Provide information related to sustainable development work;
- Assist in cooperating with the work of the ESG working group.



Communication with Stakeholders

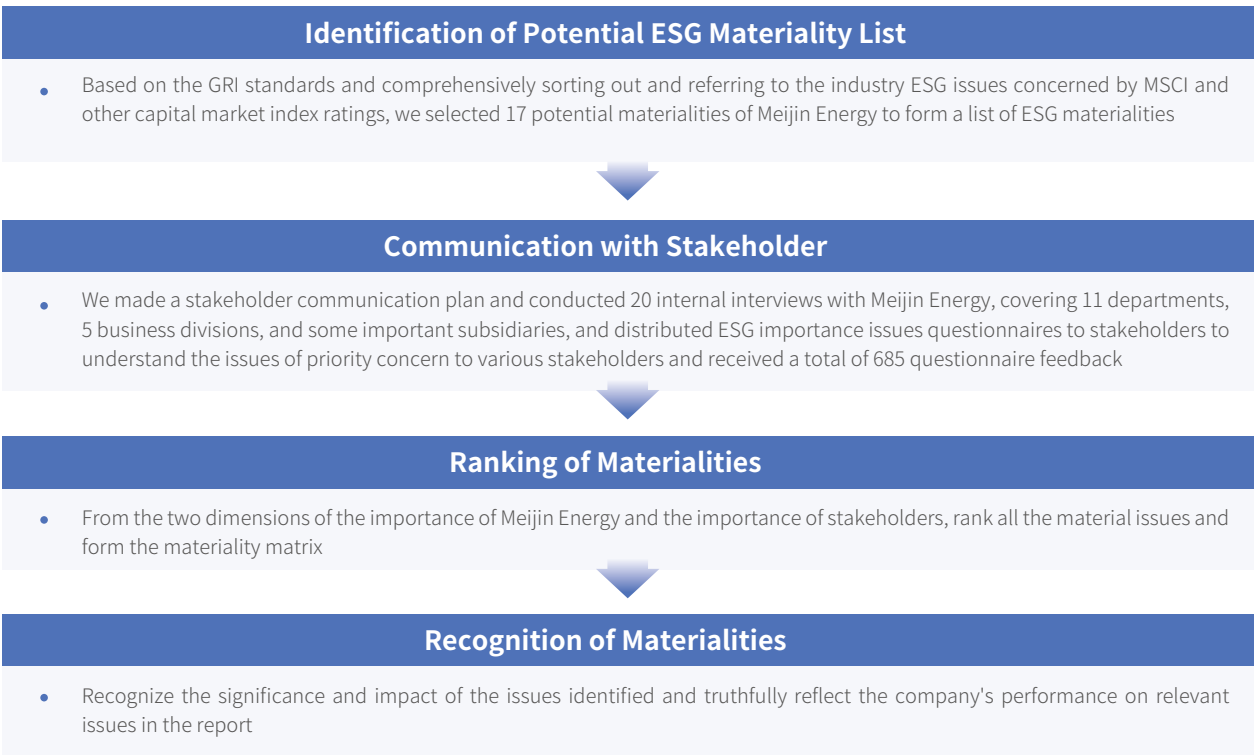
Meijin Energy focuses on communication with its stakeholders. Internally, the company focuses on the achievement of employees' rights and interests; externally, the company always focuses on the demands of shareholders/investors, governments and regulatory agencies, client and consumers, suppliers and partners, communities and non-governmental organizations, industries and industry associations, etc., obtains the opinions of stakeholders promptly through diversified communication channels, optimizes relevant management work, and creates value for stakeholders.

During the reporting period, we sorted out and identified several interested parties that are closely related to Meijin Energy and have a certain influence on us.

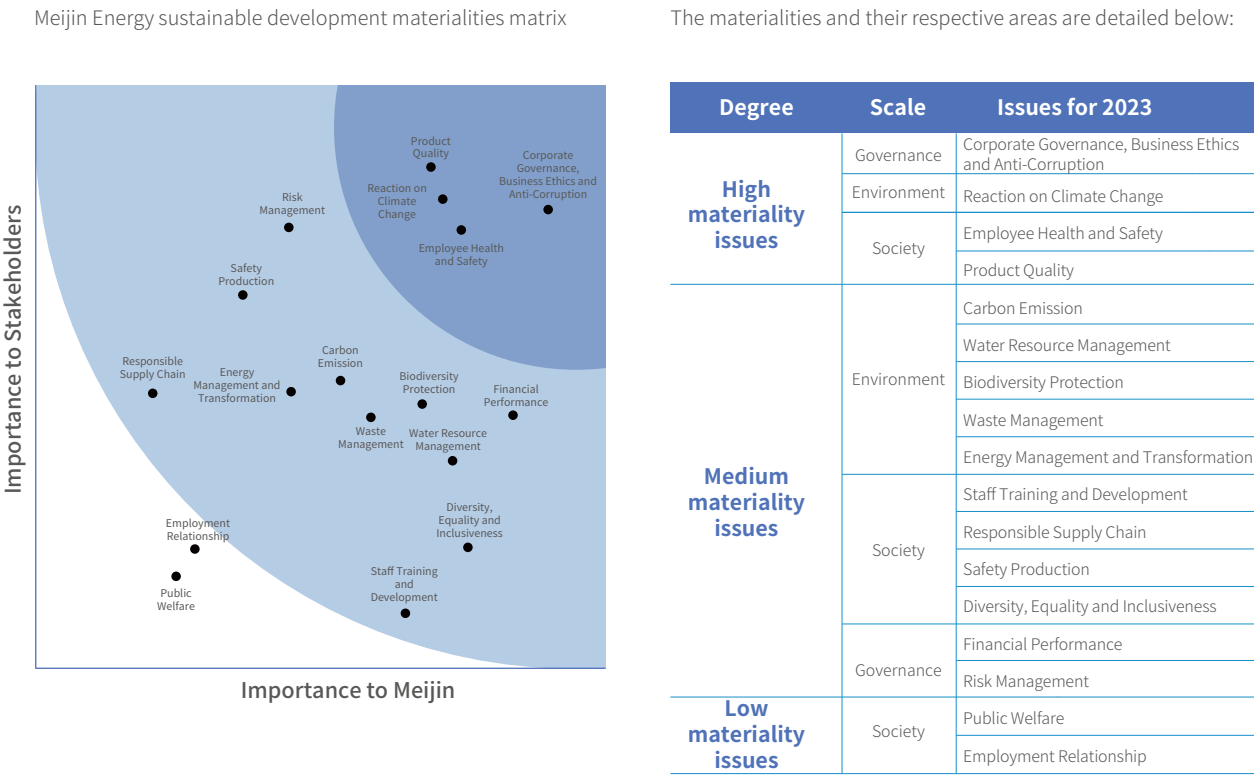
Stakeholder Categories	Concerned Issues	Expectations and Demands
 Staff	<ul style="list-style-type: none">Diversity and Equal OpportunityEmployee Training and DevelopmentEmployee Health and SafetyEmployee Recruitment and Rights Protection	<ul style="list-style-type: none">Employee DiversityEqual and Compliant EmploymentGood Career DevelopmentEmployee CommunicationHealth and Safety Training, Employee Physical ExaminationCompensation and Benefits
 Shareholder/Investor	<ul style="list-style-type: none">Corporate GovernanceFinancial PerformanceRisk ManagementESG Performance	<ul style="list-style-type: none">General Meeting/Extraordinary General MeetingProfitabilityRisk AssessmentSocial Responsibility Fulfillment, ESG Reporting
 Governments and Regulators	<ul style="list-style-type: none">Clean Energy DevelopmentCarbon EmissionRisk ManagementClimate ChangeEcological ProtectionWaste Management	<ul style="list-style-type: none">Energy Supply SecurityEnergy Conservation and Emission ReductionCompliant Operation and Proactive ReportingProtection of Environment and Biodiversity
 Client and Consumers	<ul style="list-style-type: none">Product Safety and Quality	<ul style="list-style-type: none">Product Quality Control, Product InnovationStrictly Abide by the ContractCustomer Communication, Customer Relationship Maintenance
 Suppliers and Partners	<ul style="list-style-type: none">Business Ethics and Anti-corruptionSustainable Development Management of Supply ChainFinancial Performance	<ul style="list-style-type: none">Integrity TrainingSupplier Evaluation and AssessmentProfitability
 Community and Non-governmental Organizations	<ul style="list-style-type: none">Social Welfare	<ul style="list-style-type: none">Poverty Alleviation, Disaster Relief and Donation
 Industry and Industry Associations	<ul style="list-style-type: none">Fair CompetitionPromote the Development of Industries and Industrial ChainsCommunication and Cooperation	<ul style="list-style-type: none">Oppose Cut-Throat CompetitionIndustry ExchangesDrive Technology Upgrades

Identification and Determination of Materiality

During the reporting period, based on the GRI standards and comprehensively sorting out and referring to the industry ESG issues concerned by MSCI and other capital market index ratings, we identified 17 potential materialities of Meijin Energy and ranked the potential importance issues through in-depth interviews and questionnaire surveys with various types of stakeholders to form a matrix of materialities in the three categories of the environment, society and governance respectively.



A total of 17 materialities were identified this time, including 4 high-materiality issues, 11 medium-materiality issues, and 2 low-materiality issues. High-materiality issues form the focus of this report and will be disclosed in detail in this report.



Contribute to Green Development, Safeguard a Beautiful Nature

Energy is the cornerstone of national security and the main battlefield to promote the realization of dual-carbon goals; Building a green and low-carbon energy system is the only way to realize energy security and sustainable development. As an energy company, Meijin is committed to becoming the first innovator in the transformation and upgrading of the energy industry with the vision of "LOW-CARBON WORLD EXPANDS THE FUTURE OF HYDROGEN". Driven by scientific and technological innovation, Meijin actively practices the concept of green and low carbon, thus reducing carbon emissions in the operation process and upstream and downstream activities of the value chain. Meanwhile, we continue to optimize our environmental management system, strive for green development, consciously fulfill our responsibilities as a global citizen, and safeguard beautiful nature.

Material Issues We Are Concerned About

- Carbon emission
- Reaction on climate change
- Water resource management
- Biodiversity protection
- Waste management

Our Actions

- Set carbon neutrality goals and implement carbon reduction pathways
- Identify and assess climate risks and assign risk response measures
- Take a variety of measures to increase the proportion of clean energy use, improve resource use efficiency and reduce waste emissions
- Promote the construction of green mines, reclaim mine land, and protect the ecological environment

Corresponding SDGs

7
Affordable clean energy

12
Affordable clean energy

13
Responsible consumption and production

15
Terrestrial organism

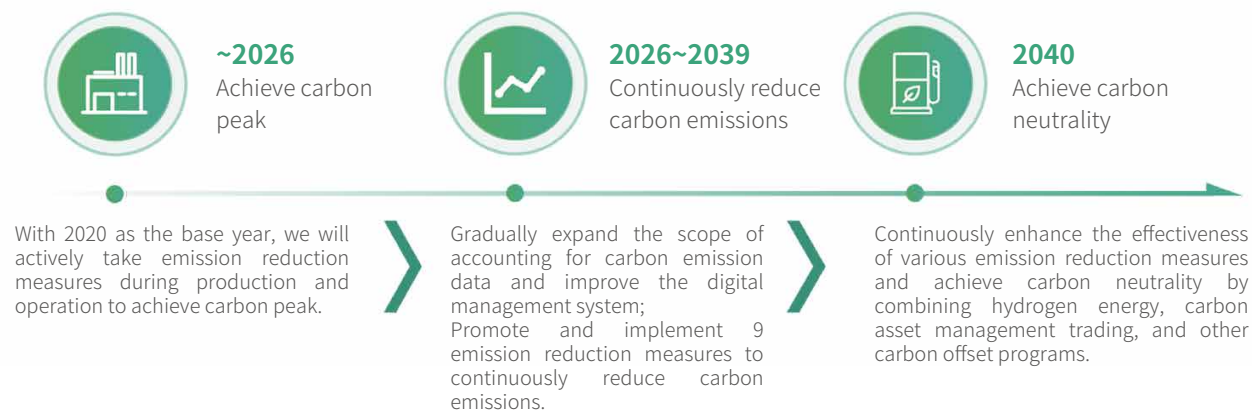


2.1 Reaction on Climate Change

Meijin Energy actively addresses climate change and strives to reduce energy use and greenhouse gas emissions during operations to achieve the carbon neutrality goals proposed by Meijin Energy.

Climate Goals and Commitments

Meijin Energy has always adhered to the goals and principles of the *United Nations Framework Convention on Climate Change* and the *Paris Agreement* and has made it its goal to "hold the increase in the global average temperature to below 1.5 °C above preindustrial levels". In January 2022, we issued the first *Carbon Neutrality Report of Shanxi Meijin Energy Co., Ltd.*, with a target of achieving carbon neutrality in our operations and in section of our value chain emissions by 2040.



▲ Meijin Energy Climate Goals

Climate Governance

In order to effectively guide the company's overall efforts and actions to address climate change and to achieve effective management of sustainability development risks and optimization of resource allocation in accordance with the *Rules of Work of the Sustainable Development Committee of the Board of Directors* issued by Meijin Energy during the reporting period, we established a Sustainable Development Committee under the Board of Directors, which is responsible for overseeing the company's commitment and performance in addressing climate risks, environmental protection, carbon emission reduction and other issues, as well as formulating the corresponding management strategies and measures.



Meijin Energy Climate Governance Framework

Climate Risks Strategy

In order to more effectively ensure the sustainability of our business, for the first time, we referred to the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD) and conducted an in-depth assessment of climate-related risks in our own operations and value chain. During the reporting period, we conducted interviews with Meijin Energy's five business sectors and functional departments to identify relevant climate risk items in light of Meijin Energy's own and value chain operations. Meanwhile, we conducted peer benchmarking and stakeholder communication to improve further and confirm the completeness of the climate risk list. Based on this, we held an internal seminar at Meijin Energy to analyze the impact level of each climate risk in the two-time dimensions of 2030 and 2050, to screen and rank climate risks, and to develop corresponding response strategies for major risks.



Elements of Climate Risk Assessment

Physical Risk

It mainly covers 7 climate indicators, including extreme high temperatures, extreme low temperatures, extreme flooding, tropical cyclones, water stress and drought, sea level, and average temperature. We first assessed the actual impact of Meijin Energy's assets based on the impact level of various climate factors in historical periods. We further simulated and analyzed the level of physical risk under the high and low emission scenarios through climate modeling, which in turn quantifies the level of impact on operations and fixed assets.

Transition Risk

The climate indicators are formed through interviews with various departments, the operation model of Meijin Energy, and a summary of peer benchmarking. We analyzed the level of impact of climate factors on Meijin Energy by collecting international climate-related forecast data, with data samples covering climate data from the Central Bank's Network for Greening the Financial System (NGFS), the International Energy Agency (IEA), and the *IEA World Energy Outlook*.

Based on the results, we held an internal seminar to analyze the impact level of each climate risk in the two-time dimensions of 2030 and 2050, to screen and rank climate risks, and to develop corresponding response strategies for major risks.

Meijin Energy's Climate Risk Identification and Reaction

Climate Risk Name		Impact Level Analysis	Action Measures	Impact Period
Physical Risk	Extreme high temperature	<ul style="list-style-type: none">Extreme high temperature increases health risks for workers working outdoors and reduces operational efficiency;Extreme high temperatures increase the load and duration of operation of refrigeration equipment in the production process, thereby increasing the cost of production operation;Extremely high temperatures increase the escape rate of coalbed methane in coal mines, thereby increasing the pressure to reduce greenhouse gas emissions and increasing operating costs and risks.	<ul style="list-style-type: none">We set up a temperature monitoring system to provide warnings and alerts for weather exceeding 35°C, helping the related personnel to take timely measures;When the temperature is high, we reduce the working hours of outdoor staff and distribute cool summer supplies to avoid the safety and health hazards caused by high temperatures.	Medium-term Long-term
	Precipitation and flooding	<ul style="list-style-type: none">Large amounts of continuous precipitation can cause landslides and flooding, causing unnecessary losses to fixed assets and production operations, and the resulting mechanical damage will also increase the cost of repairs;Flooding will affect employees' commuting and even affect their health and safety;Precipitation and flooding will seriously affect logistics and transportation, thereby affecting operational efficiency and causing loss of revenue.	<ul style="list-style-type: none">We inspect and remodel the drainage facilities of our production bases and offices to ensure that they can withstand rare rainstorms and do not cause waterlogging;We reinforce the mines and neighboring mountains to reduce the impact of landslides and runoff and to ensure the safety of mine workers;We organize annual flood prevention drills for our staff to identify potential safety hazards and improve and refine management initiatives.	Short-term Medium-term Long-term
Transition Risk	Carbon pricing	<ul style="list-style-type: none">With the opening of the national carbon emissions trading market and the introduction of relevant control and regulation mechanisms, Meijin Energy will face the impacts brought by carbon emissions trading. The future carbon price in the national market will bring the possibility of increased operating costs to Meijin Energy.	<ul style="list-style-type: none">Closely focusing on the carbon neutrality goal set, we keep a close eye on the national carbon pricing mechanism and carbon emissions trading mechanism so as to calculate quota carbon assets and formulate comprehensive trading strategies.	Medium-term Long-term
	Carbon emission reduction policy	<ul style="list-style-type: none">As the national "carbon peaking and carbon neutrality" goals approach, Meijin Energy, as an energy company, is more likely to be included in the scope of carbon emission reduction/carbon emission rights control. Macroeconomic policies will have a certain impact on Meijin Energy's operating activities.	<ul style="list-style-type: none">The Sustainable Development Committee will track, identify, and assess risks related to domestic laws and regulations at home and in various production and operation locations and report relevant policies to the Board of Directors to help each subsidiary formulate response initiatives on time;The Sustainable Development Committee will supervise and manage carbon emissions through digital platforms and other methods based on the current carbon emission reduction status of each operating sector.	Medium-term Long-term
	Low-carbon technology	<ul style="list-style-type: none">If Meijin Energy increases its investment in technologies related to the low-carbon transition in the comprehensive utilization process of "coal-coke-gas-chemical-hydrogen", the carbon footprint of its products may be too high and lag behind that of its peers, which may lead to a decrease in the sales of its products.	<ul style="list-style-type: none">The Sustainable Development Committee will join hands with experts from various sectors to study and discuss advanced or potentially emission-reducing technologies in the industry and assess the feasibility, cost and expenditure, and carbon reduction benefits to safeguard the continuity of carbon reduction work;The Sustainable Development Committee, in conjunction with the production division, will develop a carbon pricing mechanism within Markham Energy to help the divisions assess the balance of costs and benefits of carbon reductions during the replacement of production equipment.	Medium-term Long-term

2.2 Green and High-Quality Development

As a "pioneer in the energy revolution," the company actively responds to the call of the state to accelerate the transformation of the energy structure, steadily and orderly promotes the green and low-carbon transition of energy, continues to increase investment in scientific and technological innovation and R & D, accelerate the innovation, promotion, and application of hydrogen energy technology, upholds the "two-wheel-drive" development strategy, and actively promotes the "clean" of traditional energy and the "scale" of clean energy. The company drives the upstream and downstream of the enterprise value chain to reduce carbon emissions, contributing to achieving carbon peak and carbon neutrality.

Improvement of Energy Conservation Management System

Meijin Energy continues to strengthen the implementation of energy conservation and consumption reduction management to reduce resource waste and energy consumption. During the reporting period, Meijin Energy formulated and issued the *Energy Conservation and Emission Reduction Management System*, which detailed energy conservation and emission reduction measures and responsibility systems, providing a solid institutional guarantee for the company's green development. In order to be more in line with its own business development, the subsidiaries formulated more detailed green development systems: Dongyu Coal Industry, a subsidiary of the coal sector, issued the *Implementation Plan for Energy Conservation and Consumption Reduction of Dongyu Coal Industry* and *Energy Conservation Management System*, and established a leading group for energy conservation to maximize resource utilization and coal recovery rate from the aspects of management, structure, technology and equipment; Runjin Chemical, a subsidiary of the chemical sector, formulated the *2023 Rules and Regulations for Energy Management of Shanxi Runjin Chemical*, which provides strong support for the green development of the chemical sector by clarifying energy management standards and processes, optimizing energy allocation, ensuring the economy and environmental protection of energy use.

Practicing Green Production

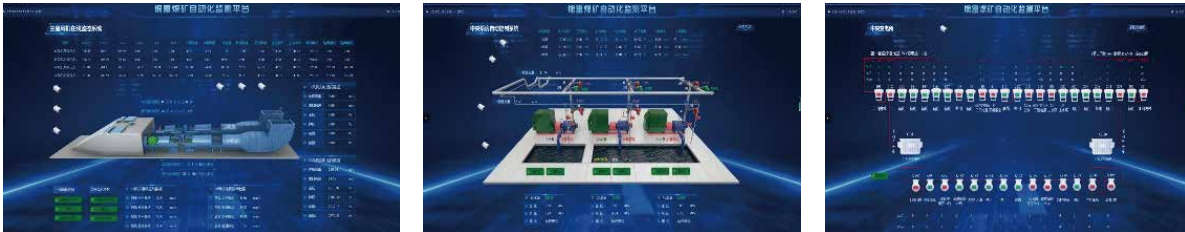
Meijin Energy closely follows the road map set in the *Meijin Energy Carbon Neutrality Report* and gradually promotes its emission reduction plan, committing itself to low-carbon production and ensuring that its goals are achieved. Specific measures are as follows:

Intelligent Management

Intelligent management is a key means to promote energy conservation and emission reduction. Meijin Energy achieves optimal allocation of resources and rational utilization of energy through efficient data analysis and automated control, thereby reducing energy consumption and carbon emissions.

Coal Sector • Intellectualized Reconstruction

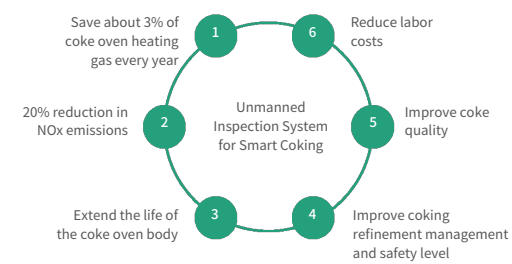
During the reporting period, Jinfu Coal Industry, a subsidiary of Meijin Energy, completed the intelligent construction of mines, realized remote control of production links, fine control of production processes, intelligent regulation of production energy use, and promoted digital transformation and upgrading. The control of various system equipment is transferred from underground to surface, reducing manual intervention and improving production efficiency; real-time acquisition of production process data, precise regulation and control, improving product quality; digital monitoring and management of mine energy use, reducing energy consumption and environmental pollution, and further improving the efficiency of energy use and reducing carbon emissions.



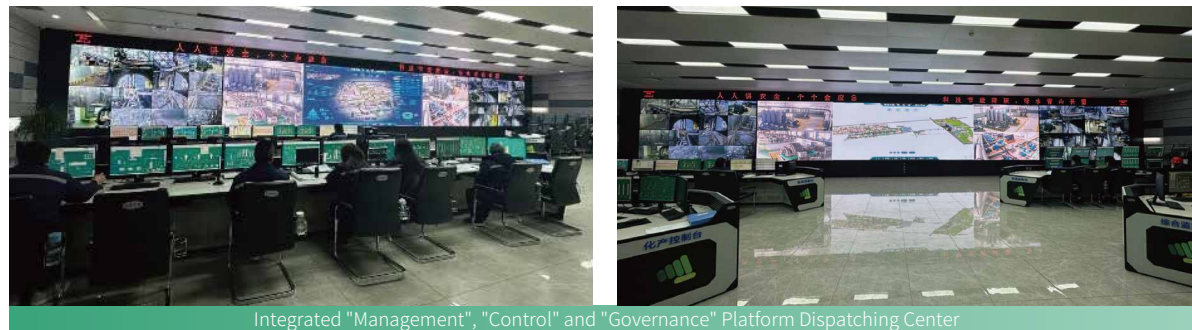
Jinfu Coal Automated Monitoring Platform

Coke Sector • Smart Coking and Unmanned Inspection System

During the reporting period, Huasheng Chemical Industry, a subsidiary of Meijin Energy's coke sector, installed smart coking and unmanned inspection systems to further save raw material consumption, reduce labor costs, improve product quality, and enhance operation benefits.



The integrated supervision platform for ultra-low emission "management", "control", and "governance" that Huasheng Chemical Industry has built operated smoothly in 2023. The platform integrates automatic monitoring, data analysis, energy use management, and carbon management to achieve automatic monitoring of equipment operation status and early warning of faults, reducing the adverse impact of equipment shutdown on production.



Hydrogen Energy Sector • Integrated Energy Management System

Meijin Energy is working hard to build an integrated energy management system for hydrogen energy parks, utilizing photovoltaic power generation to transfer heat to heat exchange stations for use in employee bathrooms. Meanwhile, it installs a waste heat recovery system in the air compressor room to further improve energy utilization efficiency. It realizes a number of functions such as green electricity hydrogen production, charging, energy supply, and energy storage, and carries out fine control of power generation, storage, hydrogen production, and power supply through the energy management system to optimize energy distribution and dispatching, forming an integrated energy management mode with hydrogen energy as the main source and multiple energy sources as dynamic complementary sources.

The integrated energy management system is piloted by Meijin Energy (Qingdao) Hydrogen Energy Technology Park. The technical scheme demonstration has been completed and has entered the preliminary preparation stage. The construction content

includes photovoltaic new energy generation, high-efficiency DC microgrid, etc., aiming to build a multi-energy complementary integrated management system with advanced technology and popularization feasibility, achieving energy synergy and efficient utilization of clean energy in the park.

During the reporting period, Meijin Energy (Qingdao) Hydrogen Energy Technology Park was jointly awarded the "Zero Carbon Park" standard pilot by the Professional Committee of Energy Investment of the Investment Association of China and Zero Carbon China Research Center.

During the reporting period, the group standard of *Implementation Path Planning and Evaluation of Zero Carbon Industrial Park* jointly prepared by Meijin Energy, Shanghai Electric Group Co., Ltd. and Shanghai Environment and Energy Exchange Co., Ltd. and other 15 institutions was issued officially. With the overall goal of "realizing the maximum emission reduction path at the smallest cost", the standard provides specific guidance for different types of industrial parks to reach the carbon neutrality development goals and provides technical support for the construction of Meijin Energy's zero-carbon industrial parks.



Comprehensive Utilization of Energy

Meijin Energy's coal sector provides power supply to its mines by extracting gas to generate electricity, with gas utilization of approximately 23.11 million cubic meters and total gas power generation of approximately 59,618 MWh in 2023, of which 15,441 MWh was generated from Jinfu Coal Industry's gas power generation capacity, and 44,177 MWh is generated from Dongyu Coal Industry's gas power generation capacity, which account for 30% and 75% of the respective production power consumption.

Utilization of gas source
23.11
million cubic meters

Total gas power generation
59,618
MWh



▲ Jinfu Coal Industry Gas Pumping Station and Power Plant

For the waste heat generated by gas-fired generators, Jinfu Coal Industry, for example, has set up a gas-fired power plant heat exchange station, where the waste heat produced by the gas-fired generators is transferred to the heat exchange station through line for heat transfer and supplied to the worker's bathrooms, and a waste heat recovery system has been installed in the compressor room to further improve the efficiency of energy utilization.



▲ Jinfu Coal Industry Gas Power Plant Heat Exchange Station

In addition, Jinhui Coal Industry utilizes direct-cooled VAM heat pump technology and air compressor waste heat recovery technology to solve the problems of freeze protection and heat preservation and building heating of mineshaft by installing 18 VAM heating units and 3 air compressor waste heat units, thus realizing multiple utilization of energy.



▲ Jinhui Coal Industry VAM Heating Units and Air Compressor Room

Replacement of Energy-Saving Equipment

Meijin Energy and its subsidiaries have installed variable frequency starting control devices in large-scale production equipment to reduce energy consumption and take the initiative to eliminate high-energy-consuming equipment. When purchasing new equipment and products, the level of energy consumption is included in the procurement measurement criteria, and priority is given to products and equipment with low energy consumption and high energy efficiency. Runjin Chemical, a subsidiary of the chemical sector, completed the replacement of 8 explosion-proof three-phase asynchronous motors during the reporting period. Each motor can improve energy efficiency by 15% and is expected to save 13,900kWh of electricity every year. Meanwhile, Runjin Chemical replaced 3 solar street lights and 104 LED lights, which is expected to save 3,500 kWh of electricity every year.



▲ Solar street lights in Runjin Chemical Plant area



▲ Replacement of voice-activated lights in Runjin Chemical Office Building

Replacement of Fuel Vehicles

Meijin Energy actively promotes the replacement of internal and upstream and downstream transportation vehicles from traditional fuel vehicles to new energy vehicles.

Guide Upstream and Downstream to Replace New Energy Vehicle Models

The coke sector actively guided upstream and downstream to adopt new energy vehicles for raw material distribution and self-pickup of goods. During the reporting period, the coke sector guided upstream and downstream to completely stop using traditional fuel vehicles and replace them with National V and National VI LNG vehicles, with National VI vehicles accounting for over 93% of the total.

Relying on the Advantages of the Industrial Chain to Realize Large-scale Self-operation of Hydrogen Energy vehicles

Meijin Energy has established a fuel cell vehicle operation platform around Shanxi headquarters, Beijing-Tianjin-Hebei, Shandong and other regions. As of December 31, 2023, Meijin Energy operated a total of 1,092 hydrogen fuel cell vehicles, with a cumulative safe driving mileage of approximately 15.6 million kilometers, a cumulative reduction in fuel use of approximately 6.3 million liters, and a reduction in carbon emissions of approximately 17,000 tons of carbon dioxide equivalent. In addition to being responsible for internal transportation, Meijin Energy's hydrogen fuel vehicles also provide external services in the form of leasing to help build regional green transportation capacity.

Total operated hydrogen fuel cell vehicles	Accumulated safe driving mileage of approximately	Accumulated fuel consumption reduction of approximately	Reduction of carbon emissions by approximately
1,092	1,560 million kilometers	630 million liters	1.7 tons of carbon dioxide equivalent

Replacement of New Energy Forklifts

Qingdao Meijin, a subsidiary of Meijin Energy, eliminated traditional fuel forklifts in the plant during the reporting period and purchased 2 new high-order electric forklifts and 4 hydrogen forklifts to further reduce carbon emissions from material handling equipment in the plant.

Expansion of New Directions for Carbon Reduction

Meijin Energy has established the Technology business division to actively engage in investment and research of new technologies and new materials, taking them as a key driver to promote energy conservation, emission reduction, and sustainable development. We vigorously introduce and cultivate cutting-edge technologies, and constantly explore and practice to discover more efficient and environmentally friendly energy solutions.

Phase Change Energy Storage New Material Project

In order to actively respond to the national "carbon peaking and carbon neutrality" goals, Meijin Energy introduced the phase change energy storage material project to promote the innovation of green technology and the continuous reduction of carbon emissions. The project is constructed in two phases. The main construction of the first phase has been completed and is scheduled to be officially put into operation in 2024. The products can be used in fields such as industrial waste heat recovery, cold and heat source storage and release, and temperature adjustment of park building walls.

Currently, the project is in the pilot phase. We introduce phase change walls in the design of office buildings. Thanks to the constant temperature properties of phase change materials, the walls can increase the temperature when the air temperature is relatively low and decrease the temperature when the air temperature is high. Meanwhile, with the passive shading of the outer slabs and the hot and cold air circulation system, it creates a new generation of energy-saving and carbon-efficient green buildings.



◎ Promoting Green Office

Meijin Energy has always been committed to promoting the active participation of employees in green office practices, aiming for a low-carbon work life, actively cultivating employees' environmental awareness, and advocating energy conservation and emission reduction. In terms of creating green office space, we strictly abide by the *Design Standard for Energy Efficiency of Public Buildings* to ensure that every project meets low-consumption and environmentally friendly standards.

To better implement green concepts in daily office work, during the reporting period, we formulated and issued the *Energy Saving and Emission Reduction Management System* to strengthen the company's water and electricity management, reduce resource waste, effectively reduce energy consumption, and enhance the awareness of energy conservation and consumption reduction of all employees, and enable every employee to develop an awareness of resource crisis, conservation, environmental protection, and responsibility. We guide every employee to transform the concept of energy conservation and emission reduction into practical actions, starting from themselves and small details, to form a company culture that advocates thrift and reasonable consumption, and work together to create a resource-saving and environmental protection company.

✓ Green Office initiatives



Formulate and issue an energy-saving management system to strengthen the management of office water and electricity consumption of the company and its subsidiaries: water-saving and electricity-saving signs are posted in office scenes to guide employees to save water and electricity.



Launch a unified collaborative operation platform to achieve information linkage and collaboration among organizations and departments within Meijin Energy system, and to reduce the use of paper in the promotion of office processes.



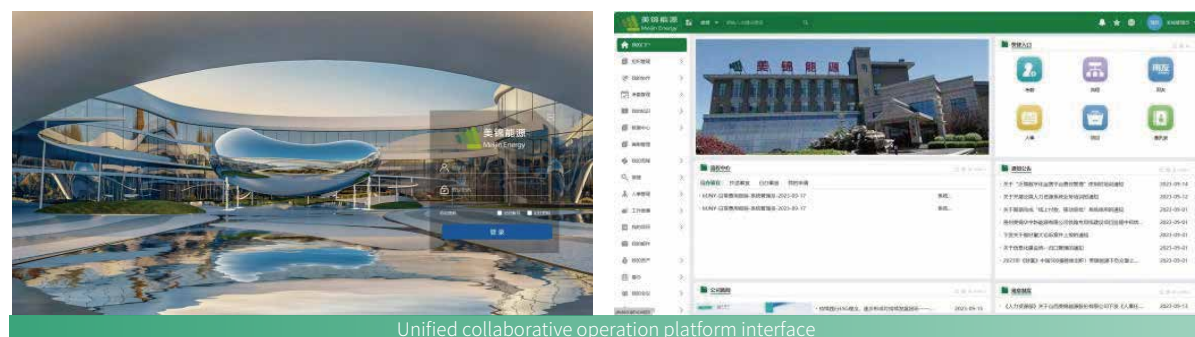
Install vehicle charging piles to encourage employees to buy new energy vehicles. Set up commuter shuttles for companies with more than 200 employees to improve the convenience of commuting for employees, further encouraging employees to reduce self-driving and promote green travel.



Replace and select low-energy-consuming office equipment, and retrofit LED lights in the office area.

Unified Collaborative Operation Platform Interface

During the reporting period, we launched a new online unified collaborative operation platform, which completed collaborative management and online operation of investment management, engineering projects, finance, personnel, administration, seal management and file management, further improving office efficiency and significantly reducing the use of paper in office processes.



Unified collaborative operation platform interface

Greening of Plant Area

In 2023, Runjin Chemical, a subsidiary of the chemical sector, planted approximately 4,500 square meters of grass in the plant area to improve the working environment of employees and increase the aesthetics of the plant area.



Plant Greening Site

2.3 Environmental Protection and Pollution Prevention

Meijin Energy has always followed laws and regulations such as the *Environmental Protection Law of the People's Republic of China* and the *Energy Conservation Law of the People's Republic of China*, and has established a sound environmental protection system and pollution prevention and control facilities in conjunction with the policy requirements of the location where it operates. From time to time, we carry out environmental reviews of our production operations, make optimization recommendations to the Board of Directors for any problems identified, and supervise the implementation of environmental optimization measures.

Jinfu Coal Industry, a subsidiary of the coal sector, formulated and issued an environment monitoring and management system in 2023. It carried out dynamic monitoring of ground deformation, coal waste piles, and other mining geological environments, and conducted regular manual inspections; it regularly entrusted third-party organizations to carry out dynamic monitoring of ore-dressing wastewater, mine water, coal waste piles, dust, noise, and so on.

Feichi Technology, a subsidiary of the hydrogen energy sector, produces products and provides corresponding services in strict accordance with environmental protection standards and regulatory requirements, and obtained ISO 14001 environmental management system certification after evaluation by a third-party organization.



▲ ISO 14001 Environmental Management System Certification

Dynamic Environmental Monitoring Equipment

The subsidiaries of the coal sector have installed automatic monitoring and electronic display equipment for noise and air pollutants to provide out real-time monitoring and early warning of environmental conditions in the plants.



Jinfu Coal Industry Environment Monitoring Equipment



Jinhui Coal Industry Environment Monitoring Equipment

Exhaust Emission Management

The exhaust emissions during the company's production process mainly include sulfur dioxide (SO₂), nitrogen oxides (NO_x), soot particles and volatile organic compounds (VOCs). We strictly abide by the Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution and the Integrated Emission Standard of Air Pollutants of the People's Republic of China and other relevant laws and regulations, actively carry out exhaust emission management, and the rate of exhaust emissions to meet the standards is 100%. All production subsidiaries of Meijin Energy have installed online automatic detection equipment in accordance with the requirements of the Environmental Protection Administration to monitor the concentration of exhaust emissions. Among them, Huasheng Chemical Industry, a subsidiary of the coke sector, hires a third-party company to regularly complete volatile organic compounds (VOCs) pollution prevention and control inspections twice a year to ensure that the VOCs indicators comply with the requirements of national and local standards.

Coal

- Low-nitrogen modification of combustion head
- Closed duct to control dust emission and dispersion

Coke

- Ground station for dust removal
- Bag dust collector
- Flue gas purification system
- Waste recycling technology

Chemical

- Emission after desulphurization and denitrification
- Concentrated combustion emission
- Dust washing at the top of urea granulation tower

Hydrogen Energy

- VOCs real-time monitoring facility

During the reporting period, in order to reduce dust emissions during the production process, we transformed the dust removal pipelines in the coke dry quenching and coke transportation workshops of Huasheng Chemical Industry, a subsidiary of the coke sector, and carried out pneumatic transportation transformation in the coking workshop; meanwhile, Fenxi Taiyue Coal Industry and Dongyu Coal Industry, the subsidiaries of the coal sector, added new bag dust collectors to improve the dust removal efficiency.



▲ Fenxi Taiyue Coal Industry Bag Dust Collector



▲ Dongyu Coal Industry Bag Dust Collector

Water Resource Management and Water Pollution Prevention and Control

Water Resource Management

Each production subsidiary of Meijin Energy takes various measures to improve the recycling of water resources according to the characteristics of its own products. During the production process, we strengthen the daily maintenance of water equipment and reduce the waste of water resources by regularly carrying out special inspections of water equipment running, bubbling, dripping and leaking. Taking Meijin Energy's chemical sector as an example, during the reporting period, Hydrogen Energy Development, a subsidiary of the chemical sector, added a domestic water treatment system at the hydrogen production pump, realizing the self-production of domestic water for self-use.

Coal

- Water recycling using mine water treatment stations
- Condensate recovery and utilization

Coke

- Wet coke quenching changed to dry coke quenching
- Condensed water recovery and utilization
- Reuse of reclaimed water
- Electrochemical water treatment
- Diversion of rain and sewage water

Chemical

- Reuse of reclaimed water
- Condensate recovery and utilization
- Electrochemical Circulating Water Treatment

Hydrogen Energy

- Discharged after treatment at the company's internal sewage treatment station

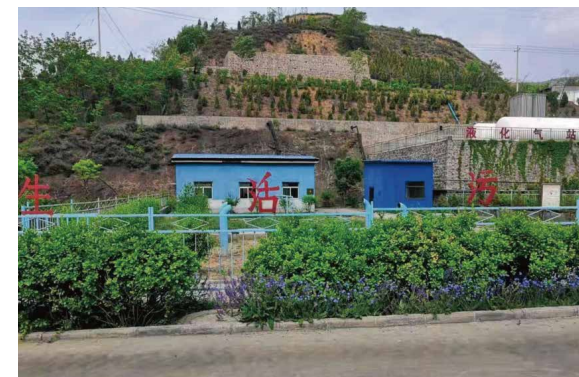
The Water Resource Management Center under the Engineering Management Department of Meijin Energy is responsible for scheduling and managing water resources of the headquarters and subsidiaries, coordinating and following up communication with Supervision and Management Department, and actively cooperating with and responding to the requirements put forward by the Supervision and Management Department. When selecting sites for engineering projects, each sector of the company, in addition to fully matching water demand, avoids construction in over-exploitation areas or national protected spring areas, sets water use targets during project construction, and strictly manages project water use. During the reporting period, the Water Resource Management Center organized various subsidiaries to conduct statistics of water uses, standardized data statistics, and further strengthened the supervision of water use data of each subsidiary.

Water Pollution Prevention and Control and Sewage Treatment

Meijin Energy strictly abides by the *Law of the People's Republic of China on Prevention and Control of Water Pollution*, the *Regulations on Urban Drainage and Sewage Treatment*, the *Measures for the Administration of Pollutant Discharge Permits (Tentative)* and local sewage discharge standards. The company has formulated the *Management Measures for Water Pollution Prevention and Control*, which imposes strict requirements on wastewater treatment and discharge.

Jinfu Coal Industry Sewage Treatment

Jinfu Coal Industry, a subsidiary of Meijin Energy's coal sector, has established a domestic sewage treatment station with a treatment capacity of 20T/H. The domestic sewage from the office building, worker's bathrooms, cafeterias and dormitory buildings is treated and reused for greening sprinkling and road dust reduction sprinkling. The sewage utilization rate is 100%, and the residual sludge is used as fertilizer for greening of the plant area.



Jinfu Coal Industry Domestic Sewage Treatment Station

In addition, Jinfu Coal Industry has also established an industrial wastewater treatment station with a treatment capacity of 100T/H. The underground wastewater is coagulated, precipitated and disinfected by the mine's integrated water purifier, and is then reused for water sprinkling and fire-fighting in the ground production system. The utilization rate is 100%, achieving zero discharge of industrial wastewater. Meanwhile, an online monitoring system is built at the mine water treatment station. The system has the function of automatically grading alarms and grading notifications based on the degree of exceeding the standards for pollutant emission indicators supervised by the administrative department in charge of environmental protection in accordance with the law.



Jinfu Coal Industry Industrial Wastewater Treatment Station

Fenxi Taiyue Coal Industry, a subsidiary of the coal sector, has also established a mine water sewage treatment station and a production sewage treatment station. The treated mine water return water is used for underground sprinkling to reduce dust; domestic water return water is used for coal washing in the coal washing plant, sprinkling on the ground and greening in the plant area.

Huasheng Chemical Industry: Coking Without Water, Reclaimed Water Recycling

Huasheng Chemical Industry, a subsidiary of Meijin Energy's coke sector, has launched the dry coke quenching device with the largest production capacity in China, and promoted the water-saving production model of "Coking Without Water, Reclaimed Water Recycling". Huasheng Chemical Industry adopts intelligent water management methods, establishes a circulating cooling water system, and uses high-efficiency water collectors to minimize water loss; it also invests in the construction of a sewage treatment plant to prevent production and domestic wastewater from being discharged outside the plant, achieving zero discharge of sewage. In 2023, Huasheng Chemical Industry's coke (including ethylene glycol, LNG, etc.) wastewater reuse rate reached 97.1%, and the industrial water reuse rate reached 99.2%. It is a practitioner of the transformation and green development of traditional industries in Shanxi Province and the realization of "making the best use of coal" and "zero waste production".

In 2023, Huasheng Chemical Industry was honored as a "Water-Saving Enterprise in Shanxi Province" by the Shanxi Provincial Department of Water Resources and the Department of Industry and Information Technology.

Wastewater reuse rate
97.1%

Industrial water reuse rate
99.2%



Coking Without Water, Reclaimed Water Recycling

◎ Solid Waste Management

Meijin Energy strictly abides by laws and regulations such as the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste*, the *National Catalogue of Hazardous Wastes* and the *Standard for Pollution Control on Hazardous Waste Storage*. To ensure compliant discharge of solid waste and environmental protection, we have further developed our internal *Solid Waste Management System* and *Hazardous Waste Management System* to reduce the impact of waste on the environment.

Coal Sector

Main solid wastes are coal gangues generated during the production process

We strive to improve the efficiency of comprehensive utilization of coal gangues by crushing part of them and handing them over to a third party for the production of building materials, and the rest for landfill.

Coke Sector

Main solid wastes are tar slags, acid tars, coal dusts, biochemical sludges, etc.

In line with the principles of reduction, harmlessness, and resource utilization, we use tar residue centrifuge for secondary coking, thus reducing the generation of solid waste.

Chemical Sector

Main solid wastes are coke adsorbents, molecular sieves, synthetic catalysts, etc.

During our annual shutdown and maintenance, we replace the relevant adsorbents as planned and contact a qualified third party for recycling and treating. We also have a professional hazardous waste storage, the hazardous waste unified storage treatment.

Hydrogen Energy Sector

Main solid wastes are papers, plastic packages, metals, etc.

We entrust qualified third-party companies for recycling processing and treating. In addition, we cooperate with our suppliers to reduce the problem of over-packaging raw materials and sort, collect, and reuse items with secondary use during the production process to reduce the generation of solid waste.

Fully Enclosed Temporary Storeroom for Hazardous Waste

Jinfu Coal Industry, a subsidiary of the coal sector, has established a fully enclosed temporary storeroom for hazardous waste at its industrial site, with standardized management and pollution control in place at the solid waste storage site, no seepage bubbling out, and no mixing of domestic garbage. The management of temporary storeroom for hazardous waste is standardized, the site complies with regulations, and the hazardous waste materials are finally entrusted to qualified third-party entities for unified treatment.



2.4 Practicing Ecological Protection

Meijin Energy strictly abides by the *Wild Animal Conservation Law of the People's Republic of China*, the *Regulations of the People's Republic of China on Nature Reserves*, and the relevant laws and regulations of operation region and biological environmental protection.

Green Mine

We are actively promoting the construction of green mines and striving to complete six aspects of construction work: mine environment, resource opening mode, comprehensive utilization of resources, energy conservation and emission reduction, scientific and technological innovation and smart mines, corporate management and corporate image. During the reporting period, Jinfu Coal Industry, Dongyu Coal Industry and Jinhui Coal Industry, subsidiaries of the coal sector, had passed the selection and field verification of municipal green mines, and as at the date of this report, Dongyu Coal Industry and Jinhui Coal Industry had been selected into the list of green mines in Shanxi Province.

Land Reclamation

We know very well that the mining activities may bring a certain destruction of surface. The company has developed the *Coal Resources Development and Utilization and Mine Environment Protection and Land Reclamation Plan* and the *Annual Implementation Plan for Mining Environment Governance and Restoration and Land Reclamation*. The land in the mining area is reclaimed, ground subsidence is filled in, and slope management projects are actively carried out to minimize the impact on the ecological environment. During the reporting period, we continued to carry out land reclamation work and carried out reclamation and greening of barren hills and slopes. As of December 31, 2023, the cumulative land reclamation area was 3,948 hectares.

Cumulative reclaimed land area

3,948 hectares



▲ Dongyu Coal Industry



▲ Jinfu Coal Industry

Biodiversity Protection

Qingquan West Lake is located next to the office building of Meijin Energy Headquarters in Qingxu Fine Chemical Recycling Industrial Park, covering an area of 1,800 mu, with a water storage area of 1,500 mu, which is regulated for water supply and operated and managed by a subsidiary within the Meijin system. The company actively follows the concept of "lucid waters and lush mountains are invaluable assets" in practice and adheres to green development and sustainable utilization. In addition to daily water dispatch operation, water storage management and safety management, the company actively carries out ecological maintenance of Qingquan West Lake: regularly releasing fish fry to maintain the vitality of the water area, purifying the water quality and maintaining the water source environment; hardening, greening and beautifying the lake shore, and regular inspection of the water surface to avoid damage to the water environment. Under the company's unremitting efforts, the level of biodiversity protection has been effectively enhanced. Every year when the weather gets warmer in early spring, groups of birds come to look for food and "transit" to roost.

Covered area

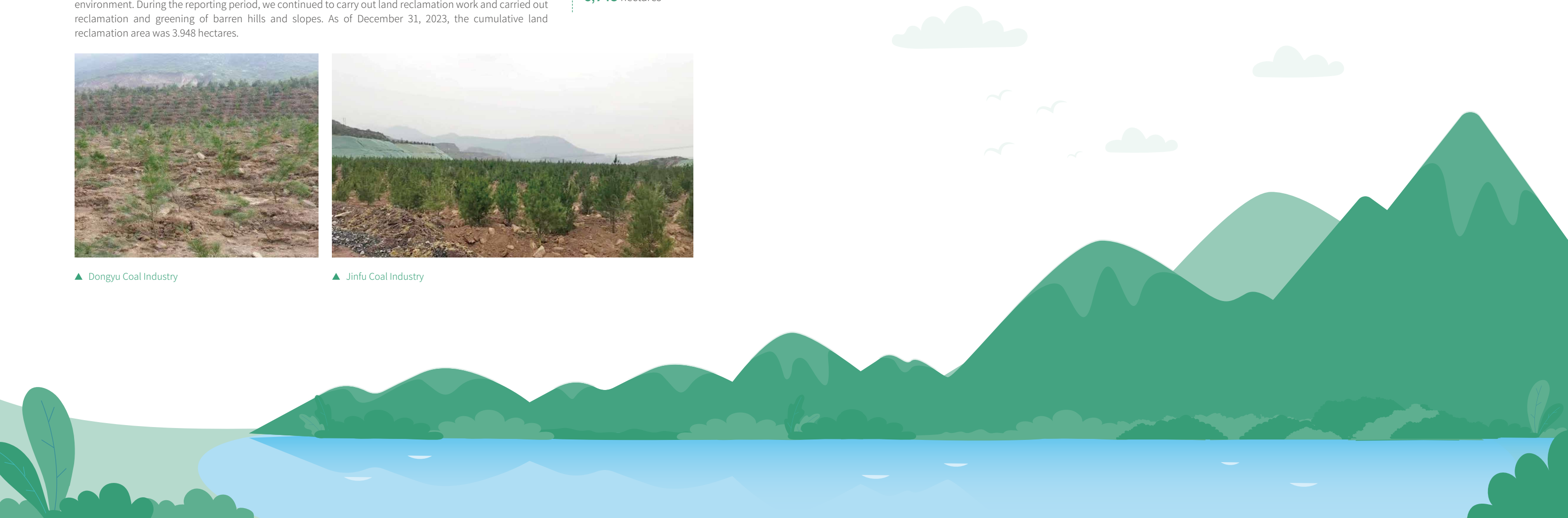
1,800mu

Water storage area

1,500mu



▲ The real scene of Qingquan West Lake behind the lens of employees



Uphold Fundamental Principles and Break New Ground, Foster a Wonderful Industry

Meijin Energy has always been adhering to the principle of "Uphold Fundamental Principles and Break New Ground", actively exploring the path of high-quality development driven by scientific and technological innovation, adhering to the development concept of two-wheel drive of traditional energy and new energy, and consolidating the layout of the "coal-coke-gas-chemical-hydrogen" industrial chain, committed to becoming a leading comprehensive energy supplier in the world. The company firmly controls product quality, ensures responsible supply, and creates products with excellent quality; it actively promotes the large-scale development of the hydrogen energy industry, develops new quality productivity, and seeks new growth drivers.

Material Issues We Are Concerned About

- Product quality
- Energy management and transformation
- Responsible supply chain

Our Actions

- Formulating policies and taking various measures to ensure product quality
- Promoting the development of hydrogen energy industry and the energy transition of the whole society
- Strengthening supplier management to create a resilient and sustainable supply chain

Corresponding SDGs

9

Industry, innovation and infrastructure

11

Sustainable cities and communities

17

Partnerships for the goals



3.1 Shaping Excellent Quality

Product quality is the cornerstone of enterprise development. Meijin Energy regards product quality as its lifeline, comprehensively strengthens quality management, and continuously improves product quality. The company has formulated internal policies such as the *Quality Control Management Measures* and the *Quality Standard Management Assessment Standards* to implement quality control in each business sector and establish a complete quality management system. We always expect to win the trust and favor of consumers through high-quality products and promote the steady development of Meijin Energy.

✧ Coal Business

Meijin Energy's coal sector has four major coal companies, namely Dongyu Coal Industry, Jinfu Coal Industry, Jinhui Coal Industry and Fenxi Taiyue Coal Industry, which are mainly engaged in coal mining, washing business, and their products cover a wide range of coal types, such as washed coal, lean coking coal, lean clean coal and raw coal. Among them, Fenxi Taiyue Coal Industry mainly produces lean coking coal, which has excellent characteristics such as low (medium) ash, extra-low sulfur, extra-low phosphorus, high calorific value, high recovery, high melting ash content, and easy washing. It is one of the nationally scarce coal types. The coal business is an important part of Meijin Energy's "coal-coke-gas-chemical-hydrogen" industrial chain. The company always follows strict quality control procedures and actively ensures the quality of coal products.

✧ Coke Business

Meijin Energy is one of the largest independent commercial coke producers in China, mainly producing first-grade metallurgical coke with stable and excellent quality. Its main customers are large iron and steel enterprises in North, Northeast and East China. As a representative of the quality of the company's business, Meijin Energy Huasheng Chemical Industry project has always been constructed, produced and operated with the positioning of "high-end, intelligent, green and integrated" and the standards of "first-class equipment, first-class environmental protection and first-class energy consumption". Huacheng Chemical's coke oven adopts a new 7.65m carbonization chamber top-charging coke oven designed by ACRE Coking and Refractory Engineering Consulting Corporation, MCC, which won the first prize of the National Prize for Progress in Science and Technology. It is equipped with electrified automatic control systems from international cutting-edge companies such as Siemens and ABB, with advanced technological equipment and added environmental governance facilities. The quenching system adopts advanced dry quenching technology, which can recover energy while protecting and improving the quality of coke.

As a direct participant in the production process of the enterprise, the quality consciousness of the employees is directly related to the quality of the products and the competitiveness of the enterprise. In order to further enhance employees' quality awareness, a number of employee quality trainings were conducted in the coke sector during the reporting period, and a special training course on lean management was set up to enable employees to actively implement Meijin Energy's quality standards and requirements in their work processes.

Establishing a Special Training Course on Lean Management

Huasheng Chemical Industry, a subsidiary of the coke sector, actively promotes lean management with a special training session on lean management, aiming to enhance employees' awareness of advanced equipment management and train them to master equipment management analysis tools. In 2023, 25 lean management training and 4 special equipment improvement training were held, with a total of 1,965 trainees.

Meanwhile, workshop equipment management training is carried out every month to cover grass-roots employees fully, and basic standards for equipment inspection and maintenance are implemented in the daily work of each team in each workshop to create a process-based, institutionalized, and standardized working site. This series of training initiatives has improved employees' skill levels, optimized production processes, enhanced corporate operational efficiency, and provided a solid talent support and management foundation for the company's sustainable development.



Through years of quality building, Meijin Energy was named one of the "Top 10 Coking Production Enterprises" in the annual ceremony of Top 10 selection at <http://www.chinatsi.com/> in 2023, which fully affirms the quality of our products and gives us more motivation to continue to improve our products in the future.



✧ Chemical Business

The chemical sector business of Meijin Energy is an important embodiment of the concept of "maximum utilization of resources" circular economy development. In strict accordance with the latest national requirements and the latest standards of the chemical industry, we revised the quality management system during the reporting period to comprehensively control sampling, the inspection process, sample storage and supervision, and management, to further standardize the order and behavior of the inspection of incoming raw materials and outgoing products and to achieve effective control of the quality of product inspection.

Meijin Energy Chemical Product Quality Control Process



In addition, we develop the *List of Analysis Items and Frequencies* for the intermediate control process, supervise and inspect the quality of intermediate process products based on the specified analysis items and frequencies, and set higher quality indexes than the national standards to create high-quality products.

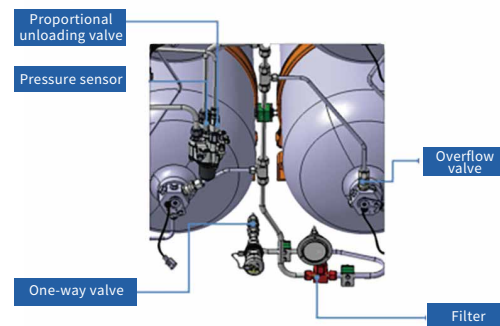
Hydrogen Energy Business

Since 2017, Meijin Energy has transformed from a traditional energy supplier to a comprehensive energy supplier, taking the lead in laying out the hydrogen energy industry. After years of development, Meijin Energy has now realized the layout of the entire hydrogen energy industry chain and has become the first innovator in transformation and upgrading in the energy industry. As a new energy and green productivity, hydrogen energy is an important part of the future national energy system and an important development direction of new quality productivity. In 2023, Meijin Energy made great progress in all aspects of the hydrogen energy industry and continued to accelerate commercialization. The company always attaches great importance to the quality and safety of hydrogen energy-related products, and actively improves the quality awareness and operation level of employees.

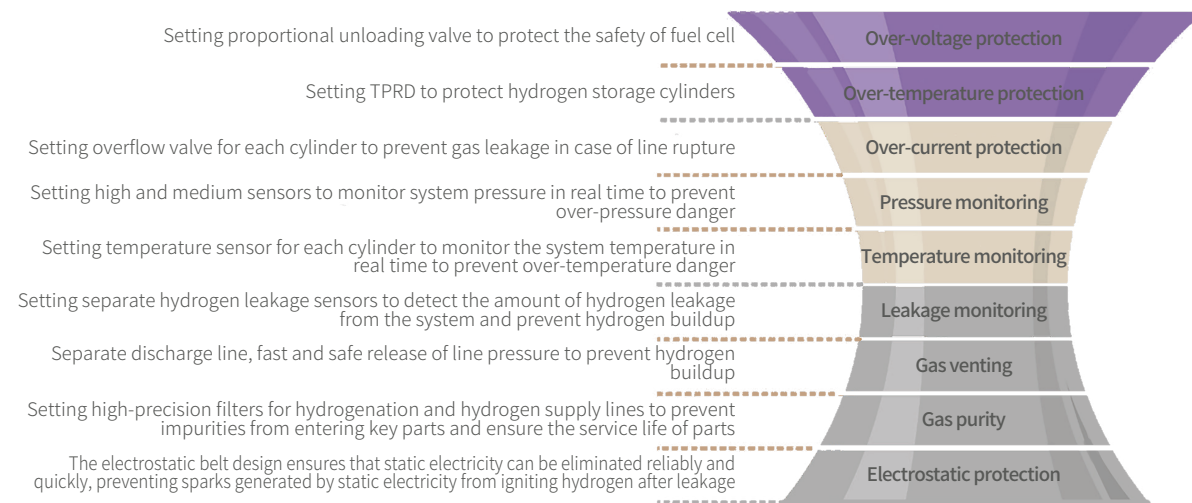
Hydrogen Fuel Cell Vehicle Safety Assurance

To enhance the safety performance of our products, we set up safety function components from the topology structure of the hydrogen supply system:

- A one-way valve is provided to prevent line gas from flowing back; When the temperature reaches 110°C, the channel is automatically opened to release hydrogen through the bottle valve (TPRD);
- In case of excessively high pressures, the structure can be vented through the proportional unloading valve after pressure reduction;
- In case of excessive flow due to broken pipes, the valve can be closed by an overflow valve (gas cylinder).



In addition, in order to ensure the safety of hydrogen during supply, filling and use, we have adopted a series of passive safety measures to enhance the stability and reliability of the system and further reduce potential safety risks.



We actively carry out employee quality awareness and operation skill training. During the reporting period, hydrogen energy sector subsidiaries Qingdao Meijin and Feichi Technology completed 36 and 22 internal training respectively, covering a total of 642 trainees. The training covers topics such as basic quality training, quality awareness education, special review, quality improvement training, etc. to effectively control the production process and effectively guarantee product quality. At present, both Qingdao Meijin and Feichi Technology have passed ISO 9001 quality management system certification.



▲ Qingdao Meijin Quality Management System Certificate



▲ Feichi Technology Quality Management System Certificate

Number of internal training in Qingdao Meijin

36 sessions

Number of internal training in Feichi Technology

22 sessions

Total trainees

642 persons

Through unremitting efforts for excellence, the hydrogen fuel cell vehicles produced by the company have not only won the trust and satisfaction of customers but also won many honors. These honors are not only an affirmation of our past efforts but also an encouragement and spur to our future development. Meijin Energy will continue to adhere to its original spirit of quality and continuously improve the quality management level to provide customers with better products and services.

Famous High-Tech Products of Guangdong Province in 2022
(12-ton fuel cell van)

Guangdong Hi-Tech Enterprise Association
(Awarded in January 2023)

Famous High-Tech Products of Guangdong Province in 2022
(18-ton fuel cell van)

Guangdong Hi-Tech Enterprises Association
(Awarded in January 2023)

Famous High-Tech Products of Guangdong Province in 2022
(Fuel cell dump truck)

Guangdong Hi-Tech Enterprise Association
(Awarded in January 2023)

The runner-up of the Green Hydrogen 6×4 group of commercial vehicles in the Warm City Cup 2023 China New Energy Vehicle Ordos Challenge

2023 China New Energy Vehicle Ordos Challenge Organizing Committee

Warm City Cup 2023 China New Energy Vehicle Ordos Challenge Commercial Hydrogen Vehicle Media Recommended Commercial Vehicle Model Award

2023 China New Energy Vehicle Ordos Challenge Organizing Committee

Warm City Cup 2023 China New Energy Vehicle Ordos Challenge Commercial Hydrogen Vehicle Best New Energy Commercial Vehicle Award

2023 China New Energy Vehicle Ordos Challenge Organizing Committee

Hydrogen Fuel Cell Vehicle of the Year Award: Feichi Hydrogen Fuel Cell Truck

WWW.MRHN.CN

2023 "Foshan Superior Products" (10 products in total)

Foshan Bureau of Commerce

New Energy Truck Innovative Products

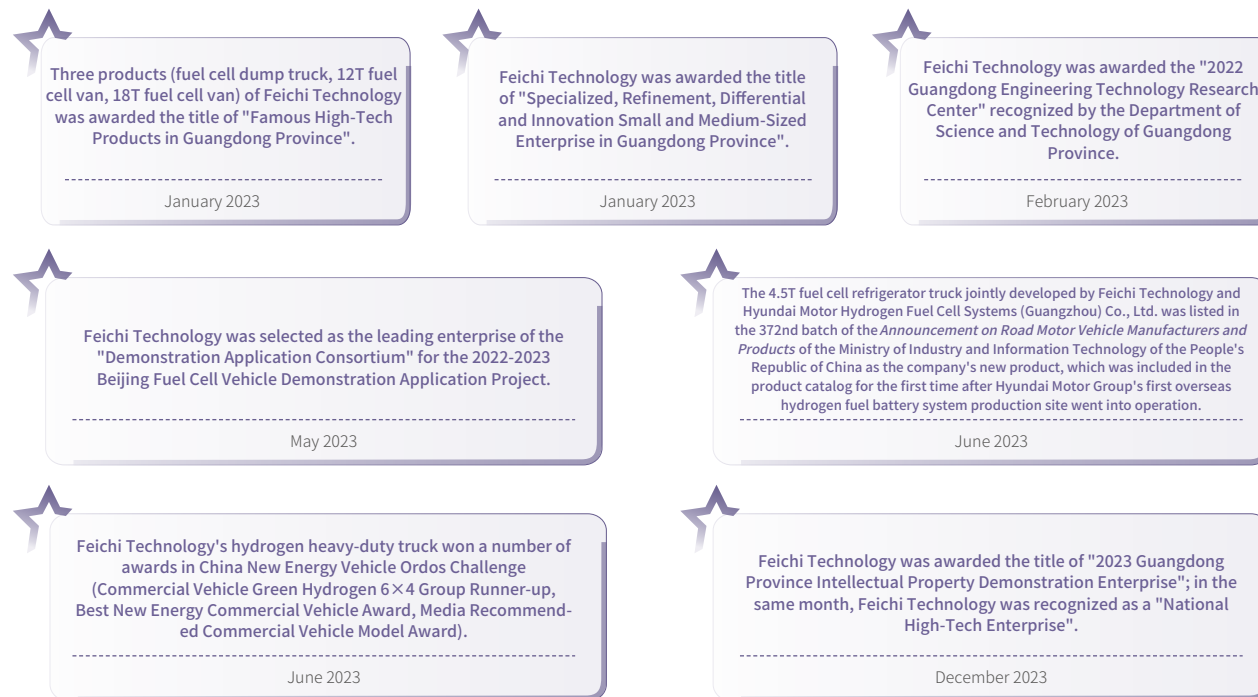
Beijing International Exhibition on Commercial Vehicle and Components Organizing Committee

3.2 Fostering Innovative Industry

Innovation is the core driving force that propels enterprises to move forward and maintain their competitive advantage. Under the national "carbon peaking and carbon neutrality" goals, the market environment is constantly changing. Meijin Energy has also kept pace with the times, continued to increase investment in the hydrogen energy industry chain, and vigorously developed new energy and new material industries. Over the years, Meijin Energy has insisted on a green energy transition and has led scientific and technological innovation, continuously increasing investment, cultivating innovative talents, creating an innovative atmosphere, and realizing sustainable development with innovation as the driving force.

🌱 Green Energy Transition

As a leading enterprise in the hydrogen energy industry chain, Meijin has established an industrial cluster with the most complete industrial chain, the highest degree of industrialization, and the strongest application and promotion ability in China. Feichi Technology, a holding subsidiary, has been at the forefront of domestic car companies in terms of production and sales of fuel cell vehicles for many years, with a market share of 21% in 2023. In 2023, the R&D team of Feichi Technology continued to surpass itself and carry out technological innovations to demonstrate the innovative strength of Feichi Technology.



In the field of traditional energy, we actively eliminated backward production capacity and built the world's leading 7.65-meter top-loading coke ovens in Shanxi and Guizhou regions to improve efficiency of energy utilization and reduce carbon emissions.

Guizhou Meijin "Coal-Coke-Hydrogen" Comprehensive Utilization Demonstration Project

In December 2023, the coke oven firing and toasting ceremony of Guizhou Meijin "Coal-Coke-Hydrogen" Comprehensive Utilization Demonstration Project was held in Liuzhi Special District, Liupanshui City, Guizhou Province. The construction content includes a coking hydrogen production plant project, a dry quenching coke waste heat power generation project, a coke oven gas hydrogen production co-production ammonia synthesis project, an LNG project, and a comprehensive hydrogen energy promotion and application project; At the front end, Guizhou Meijin adopts the most advanced large-scale coke oven clean production technology in the world. In the middle, it extends the industrial chain of the modern industrial circular economy by focusing on the deep processing of coke oven gas. In the end, it uses hydrogen "production - storage - transportation - refueling - application" as the carrier to lay out comprehensive hydrogen energy promotion and application projects. After the completion of the project, it will realize the transformation and upgrading of traditional coal coking to a new coal chemical industry, and drive the development of local upstream and downstream, railway logistics, transportation and freight, equipment manufacturing, and tertiary industries, which will have an important leading role and far-reaching significance of demonstration and driving for the future promotion of recycling economy development and the construction of modernized industrial system in Liupanshui and even in Guizhou and Southwest China.



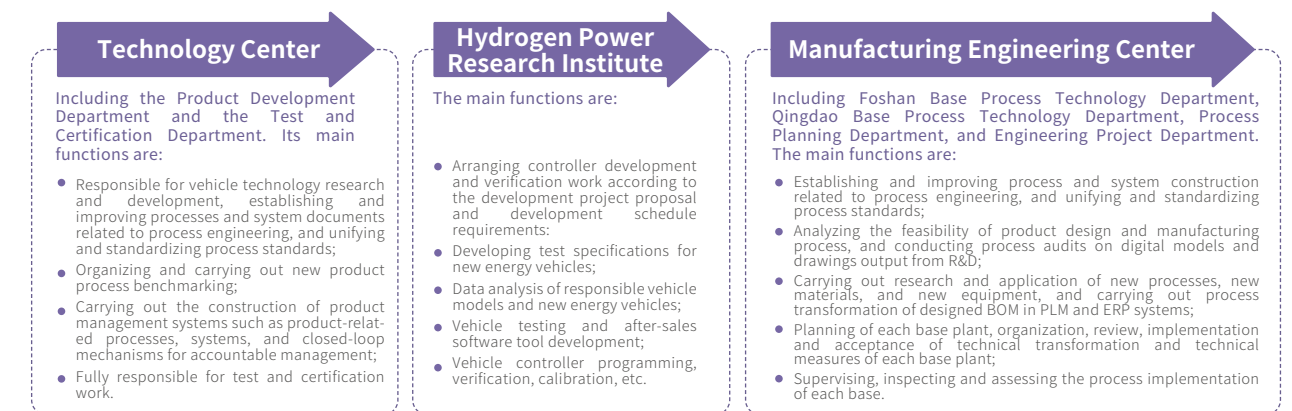
▲ Guizhou Meijin "Coal-Coke-Hydrogen" Comprehensive Utilization Demonstration Project

🌱 Leading by Technological Innovation

Meijin Energy actively develops and produces capacitor carbon to promote the localization and affordability of supercapacitors; it cooperates with the academician Zhang Jiujun to develop gas diffusion layers to further promote the localization of hydrogen energy and battery core materials and establish an independent and controllable industrial chain of core technology for hydrogen energy. We have created a large platform for "talent introduction" and "talent cultivation". Through the strategy of introducing and cultivating high-quality talents, we continuously introduce and strengthen the construction of the company's high-quality talent team, providing better talent support for building a first-class scientific research highland in the industry, breaking through the industry's technical stranglehold problems, and assisting the high-quality development of the industry.

🔍 Increasing R&D Capabilities

As one of the cutting-edge emerging industries, the development of hydrogen energy needs to be supported by excellent scientific research teams. At present, Feichi Technology and Qingdao Meijin have independent and complete R&D teams and have set up a Technology Center, a Hydrogen Power Research Institute and a Manufacturing Engineering Center, with strong technical force.



▲ Overview of the Hydrogen R&D team

Meijin Energy actively introduces talents and is committed to leading the technological progress in the hydrogen energy industry and promoting the company's high-quality and high-level development. The company has appointed Ye Siyu, academician of the National Engineering Academy of Canada, and Zhang Jiujun, academician of the Academy of Science of the Royal Society of Canada, the Canadian Academy of Engineering, the Canadian Academy of Engineering, as the Chief Scientists of Meijin Energy. Leveraging the advantages of high scientific research level, extensive experience in large-scale scientific research, and strong collaborative organizational ability of academicians and teams, the company guides its scientific and technological innovation work and provides solid support for its sustainable development and even the industry.

On November 23, 2023, the Chinese Academy of Engineering announced the list of elected foreign academicians for the 2023 academician co-operation, and Academician Zhang Jiujun was elected as a foreign academician of the Chinese Academy of Engineering. Li Neng New Energy Technology (Beijing) Co., Ltd., founded by Meijin Energy and Academician Zhang Jiujun, is committed to the research and development and production of hydrogen energy materials. The main products include new diffusion materials for fuel cells, water-gas diffusion materials for hydrogen production electrolytic cells, and diffusion materials for flow energy storage batteries, etc. These products have wide application prospects in the field of hydrogen energy.



In November 2023, the main structure of Building 2 of the first phase of the Meijin Hydrogen Energy Headquarters Base project was capped, which means that the Meijin Energy carbon paper project will soon enter the equipment installation and trial production stage. In the future, the carbon paper project is expected to break the monopoly of developed countries on carbon paper production technology and market, injecting new vitality into China's hydrogen energy field and provide more choices and possibilities for the expansion of the global carbon paper market.

The company will continue to create a large platform for "talent introduction" and "talent cultivation". Through the strategy of introducing and cultivating high-quality talents, we will continue to strengthen the construction of the company's high-quality talent team, providing better talent support for building a first-class scientific research highland in the industry, breaking through the industry's technical stranglehold problems, and assisting the high-quality development of the industry. With the efforts of our talents, we have achieved fruitful results and have a number of patents authorized, fully demonstrating Meijin Energy's industry leading position and technological innovation ability in the field of hydrogen energy. During the reporting period, the patents obtained by Feichi Technology and Qingdao Meijin are as follows:

	Patent for invention	Patent for utility model	Industrial design patent	Total number
Application status in 2023	8	35	2	45
Authorization status in 2023	4	14	2	20
Existing valid patents	16	68	14	98

Creating Specialized and Sophisticated Industrial Parks

In order to continue to refine and support the development of the hydrogen energy industry, the company established the Technology business division during the reporting period, which is responsible for the operation and management of the company's technology sector, the investment promotion of high-tech enterprises, and the supervision of the production, operation, procurement, and sales of its subsidiaries. We are firmly committed to the national strategic industry and utilized the resource advantages of Meijin Energy to create a demonstration park for specialized, refinement, differential and innovation small and medium-sized enterprises. At present, the company has successively introduced a number of projects, effectively promoting the extension of the Meijin energy industry chain towards sustainability, refinement and terminalization.



High Purity Quartz Project

High purity quartz materials are widely used in the semiconductor industry and photovoltaic industrial cluster and are indispensable and important consumables. China's semiconductor industry and new energy industry are expanding. However, due to restrictions on the import of semiconductor materials from developed countries, domestic demand is difficult to meet and there is a large market gap.

In order to meet the domestic market demand, Meijin Energy actively introduces the high purity quartz project. The project is divided into three sectors: sand making, pipe drawing, pipe expanding and cold-hot processing, and is scheduled to be completed and put into operation in 2024. The project will promote the efficient development of China's semiconductor industry and new energy industry cluster. In addition, the high-purity quartz project will use a large amount of hydrogen. The implementation of this project will also promote the transformation of Meijin Energy's industrial chain, extend the traditional advantageous industrial chain, and inject new impetus into the company's sustainable development.

Activated Carbon for Supercapacitor Project

As a new type of electrochemical energy storage device, the supercapacitor has the characteristics of high power density, long cycle life, wide operating temperature range, safety and reliability, and environmental friendliness, etc., and has a strong development momentum in emerging markets and special fields such as rail transit, electric bus, smart meters, wind power and smart grid. Capacitor carbon is the core key material that directly determines the performance of supercapacitors. At present, China's capacitor carbon industry is not yet mature and relies heavily on imports, which is a domestic "stranglehold" problem.

In order to accelerate the high-tech transformation of capacitive carbon, Meijin Energy introduced the project in 2021. During the reporting period, the major facilities such as the project workshop, R&D building and warehouse have been completed, the debugging of a single piece of equipment has been completed, and it is about to enter the stage of joint debugging and trial material production.

Industry Co-construction

Meijin Energy is fully aware of its important responsibility in promoting the development of the industrial chain. For this reason, we are actively exploring new development paths with partners in the industry. During the reporting period, we devoted ourselves to the formulation of industry standards and carried out joint R&D with our partners to provide strong support for the development of the industry. We look forward to contributing to the sustainable development of the hydrogen energy industry through in-depth cooperation with all parties.

Meijin Energy, together with Shanghai Electric Group, Shanghai Environment and Energy Exchange and other enterprises, jointly completed the preparation and release of the *Implementation Path Planning and Evaluation of Zero Carbon Industrial Park*. With the overall goal of realizing the maximum emission reduction path at the smallest cost to provide specific guidance for different types of industrial parks to reach the carbon neutrality development goals.

Meijin Energy, together with the China Classification Society and other enterprises, drafted the application materials for the *Methodology for Voluntary Greenhouse Gas Emission Reductions from Hydrogen Fuel Cell Vehicle Trips*, striving to provide a quantitative methodological basis for emission reduction of hydrogen fuel cell vehicles and to help reduce carbon emissions in the transportation field.

Meijin Energy, together with the professional committee members of energy investment of the Investment Association of China, completed three group standards, namely the *Evaluation Standard of Zero-Carbon Park*, the *Evaluation Standard of Zero-Carbon Factory*, and the *Evaluation Standard of Zero-Carbon Data Center*.

Meijin Energy, together with the Shanghai Environment and Energy Exchange and other enterprises, jointly prepared the *Group Standards for Proportional Allocation of Hydrogen Carbon Emissions from Industrial Byproducts*, which, upon completion, will provide a scientific basis for calculating the carbon content of industrial by-product hydrogen.

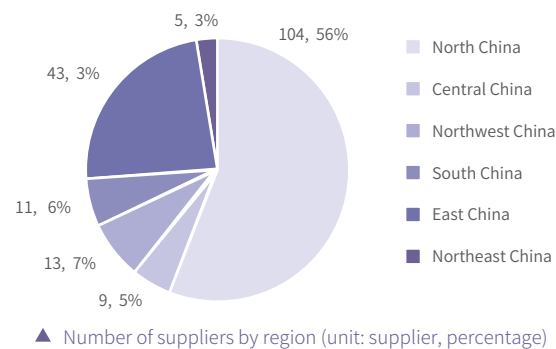
3.3 Enhancing Supply Resilience

Meijin Energy's steady development is inseparable from its high-quality and stable supply system. We adhere to the purpose of building long-term, stable, and benefit-sharing cooperation with our supplier partners, continuing to build a complete supply chain management system, growing together with our suppliers, and working together to achieve mutual benefit and win-win results.

✦ Supplier Management

Supplier performance has an important impact on the operational effectiveness of the supply chain. To this end, Meijin Energy has developed a complete supplier management system and set audit standards from the access stage. We require our suppliers to be certified to ISO 9001, ISO 14001 and ISO 45001, and on this basis, we consider their ESG performance, including low carbon development, energy conservation and consumption reduction, technological capability and after-sales management, to increase the resilience of the supply chain and to facilitate the development of Meijin Energy's business. As of the end of the reporting period, Meijin Energy had established stable cooperative relationships with 185 high-quality suppliers.

For project bidding, we added and revised the internal policy documents such as Engineering bidding Management Measures, Project Management System, Budget Management Measures, Safety Management Measures, Project Change Management Measures and Project Verification Management Measures during the reporting period. These documents require the relevant equipment of the subject to implement Class I energy consumption standards and take into account green and low-carbon related factors. Meijin Energy, together with its suppliers, is contributing to China's "carbon peaking and carbon neutrality" goals.



✦ Supplier Cooperation

Meijin Energy always adheres to the belief of working together with partners and looks forward to jointly carrying out product research and development with our core suppliers to enhance product competitiveness. During the reporting period, the subsidiaries of hydrogen energy sector, Feichi Technology and Qingdao Meijin, cooperated with their core parts and components enterprises in many fields and achieved many results.

Feichi Technology-Bosch/Feichi Technology Lvkon Electric Drive Axle Development

- The calibration of the electric drive axle in the vehicle factory and the no-load road test points have been completed, and the test results meet the expected design indicators. The full load and reliability tests will be carried out as planned

4.5T New Auto TBOX OTA Function Development

- The functional testing has been completed and meets the company's monitoring platform and regulatory requirements
- OTA upgrade testing for VCU has been completed, and OTA remote upgrade for VCU can be performed normally
- During the reporting period, all products put into production by the company have been installed with TBOX functions in batches

Meijin Energy carries out joint development with suppliers

Feichi Technology-Pine Air Conditioning Integrated Thermal Management System Development

- The system has completed the loading verification and functional testing. Air conditioning refrigeration, cab heating, and battery cooling can all meet the technical requirements
- During the reporting period, all 49T vehicles put into mass production by the company were loaded according to this technical solution, achieving effective cost reduction

4.5T Heavy Duty Feichi Technology-Pine Air Conditioning Integrated Thermal Management System Development

- The system has completed the loading verification and functional test. Air conditioning refrigeration, cab heating, battery cooling and battery heating can all meet the technical requirements
- During the reporting period, all 4.5T vehicles put into mass production by the company were loaded according to this technical solution, achieving effective cost reduction

Meijin Energy actively participates in hydrogen energy industry exhibitions and activities, and communicates enthusiastically with supply chain partners to explore new paths and opportunities for hydrogen energy development.

March 28-30, 2023

Hydrogen Energy & Fuel Cells Expo China 2023



April 27-29, 2023

2023 The 8th China International Hydrogen Energy & Fuel Cell Vehicle & Hydrogen Refueling Station Equipment Exhibition



May 22-26, 2023

2023 World Hydrogen Energy Technology Conference



May 17-19, 2023

2023 Beijing International Commercial Vehicles & Parts Exhibition & 2023 Beijing International Road Passenger & Freight Transport Vehicles & Parts Exhibition



August 25-27, 2023

FLE2023 Guangzhou International Fresh Supply Chain & Cold Chain Technology & Equipment Exhibition



November 7-9, 2023

The 7th International Hydrogen Energy & Fuel Cell Technology and Product Expo Foshan•China



3.4 Prioritizing Customer Experience

Meijin Energy always adheres to the service concept of "customers first," based on ensuring product quality while constantly gaining insight into user demands and meeting their diverse demands. During the reporting period, Meijin Energy strictly complied with the Law of the People's Republic of China on Protection of Consumer Rights and Interests and continued to follow internal management policies such as the Internal Control Manual for Sales Business, Sales Management System and Customer Management Measures, and established diversified communication mechanism to effectively protect the rights and interests of customers.

✧ After-sales Management

Meijin Energy attaches importance to the after-sales management of its products and has established several channels to actively communicate with its customers.

✓ Service hotline

- Set up a 24-hour service hotline to promptly address customer inquiries and demands, and safeguard customer rights.

✓ Service outlets

- In order to ensure that customers in different regions can obtain the same after-sales service, 31 service outlets have been set up nationwide, and 80 service guarantee teams have been established to realize full coverage of the operation area. When customers encounter problems, they can contact local service outlets and we will respond to their demands within 15 minutes to provide them with appropriate services.
- In the future, we will continue to improve our service network based on the continuous expansion of our operation areas, make every effort to improve service quality, and provide users with timely and satisfactory after-sales services.

✓ Regular return visit

- Establish a regular monthly return visit mechanism to keep abreast of customers' product usage, actively communicate with customers and handle their feedback demands, and establish and maintain long-term friendly cooperative relationships with customers.



▲ Feichi Auto Maintenance Center

During the reporting period, Feichi Technology and Qingdao Meijin did not receive any complaints from customers. Meijin Energy has continued to refine its services and has continued its good cooperation with all of the company's major customers, steadily increasing its market share and influence.

✧ Customer Satisfaction Survey

With customer satisfaction as the goal, Meijin Energy continues to optimize the customer complaint handling process to promote timely and efficient resolution of customer feedback, while accumulating experience to avoid recurrence of quality incidents.

During the reporting period, Feichi Technology, a subsidiary of the hydrogen energy sector, actively carried out user satisfaction surveys and visited 39 customers, with a customer satisfaction rate of 95%, and a customer demand handling completion rate of 100%. In the future, we will continue to improve the service model, improve the customer service system, continuously improve customer satisfaction, build Meijin's reputation, and enhance market influence.



Make Concerted Efforts, Build a Harmonious Home

Meijin Energy puts talents first in development, always adheres to the concept of "technology is the first productive force, and talents are the first resource", is committed to building a high-quality talent team, protects the basic rights and interests of employees in accordance with the law, gives top priority to employee safety and health, and actively carries out the construction of corporate culture to enrich employees' spare time life, so that every employee gets a sense of belonging.

Material Issues We Are Concerned About

- Staff training and development
- Employee rights and health
- Safety production
- Employment relationship
- Diversity, equality and inclusiveness
- Public welfare

Our Actions

- Providing equal opportunities for recruitment and employment
- Constructing a perfect talent employment system, clear career development mechanism, and providing competitive salary
- Improving and perfecting the organizational structure of safety management, setting safety management objectives, and strengthening the occupational health and safety training
- Organizing and carrying out employee activities to enrich employees' lives
- Paying attention to social people's livelihood, and continuously fulfilling social responsibility

Corresponding SDGs



4.1 Protecting Employees' Rights and Benefits

Meijin Energy provides equal and diversified opportunities for talent development; by implementing the people-oriented concept throughout various business processes, such as recruitment and employment, in order to continuously improve employee satisfaction.

Human Rights Policy

Meijin Energy implements human rights protection policies in all aspects of its operations and management, strictly adhering to the *International Labor Organization (ILO) Conventions* and the *Universal Declaration of Human Rights* promulgated by the United Nations General Assembly, and prohibiting human trafficking, forced labor, child labor, violence and harassment, and discrimination; ensuring that employees are not discriminated against based on their gender, age, nationality, ethnicity, religious beliefs, family and health status, and ensuring that employees are guaranteed their rights to freedom of association and collective bargaining. During the reporting period, 5,255 persons joined labor union to participate in collective agreement negotiations, with a coverage rate of 60.90%.

In the past three years, the company has not experienced employee strikes or other incidents. We also regulate incidents of discrimination and harassment, deal with incidents of violence and conflict seriously, and carry out daily training, publicizing and implementation for employees to enhance their awareness of human rights protection, anti-discrimination and anti-harassment; meanwhile, we are also actively promoting the drafting of relevant institutional documents.

Recruitment and Employment

Meijin Energy complies with relevant laws and regulations such as the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China*, and the *Social Insurance Law of the People's Republic of China*, and continues to improve relevant internal policies and systems; during the reporting period, the company issued the *Measures for the Administration of Post Establishment Adjustment (Tentative)*, the *Measures for the Administration of Labor Contracts (Tentative)*, the *Measures for the Administration of New Employees Entry and Probation Period (Tentative)*, the *Measures for the Administration of Employee Attendance and Leave (Tentative)*, the *Measures for the Administration of Personnel Appointment and Removal* and other relevant institutional documents to enhance the protection of employee recruitment, promotion, resignation, working hours, salary and benefits and other relevant benefits.

In order to ensure the diversity of the company's recruitment, the company adopts information-based methods to screen outstanding candidates to avoid bias due to gender, race or education level, which affects the diversity of recruitment; as of the end of the reporting period, the company had a total of 6 female executives and 183 employees from ethnic minority groups and 13 employees with disabilities. We also attract professional talents to join the team through "rehiring after retirement", whose rich experience and expertise are of great value to the inheritance of the company's culture and knowledge system. We also actively employ local workers, with the percentage of local employees reaching 67.20%.

Female executives
6

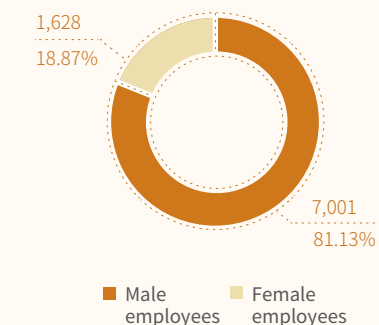
Ethnic minority groups
183

Persons with disabilities
13

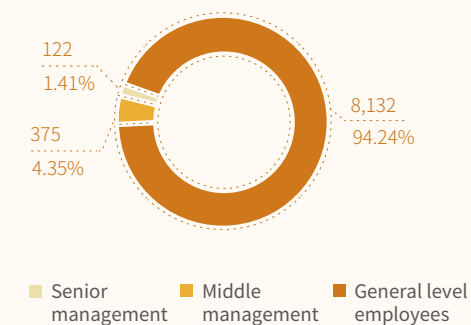
Percentage of localized employees hired
67.20%



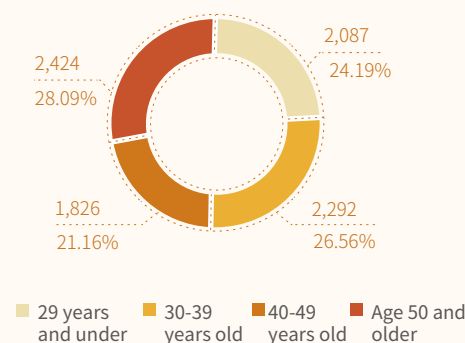
Total number and percentage of employees by gender¹



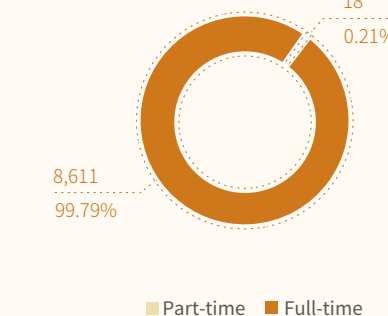
Total number and percentage of employees by job grade



Total number and percentage of employees by age



Total number and percentage of employees by employment type



¹ Restricted by the nature of the industry, as the subsidiaries of Meijin Energy are mainly manufacturing enterprises, male employees are mainly concentrated in the production line of the coal, coke, chemical and automobile manufacturing sectors. The intensity and environment of the work are less attractive to female employees, who prefer second-line auxiliary positions, thus male employees account for a larger proportion of the workforce.

The company is committed to providing equal opportunities for employees in recruitment and daily work, and forms a diversified form of recruitment through various online and offline recruitment channels.

School-Enterprise Cooperation to Promote the Combination Involving Production, Teaching and Research

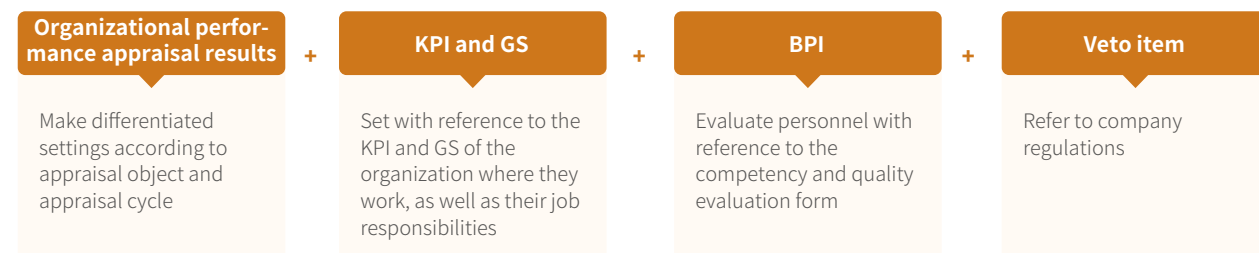
Meijin Energy actively promotes school-enterprise cooperation and expands talent introduction channels. The company has signed school-enterprise cooperation agreements with China University of Petroleum (East China), Qingdao University, Shandong University of Science and Technology, Qingdao University of Technology, Rizhao Institute of Technicians, Qingdao City University and other well-known local colleges and universities. We have prepared employment scenarios for students, and actively provide them with opportunities to practice in the company.



Salary and Equity Incentives

Meijin Energy provides employees with generous salary and establishes a salary system based on the rights and responsibilities of the employees' positions, technical content, labor intensity, environment, value contribution, and the company's humanistic care. The salary structure includes basic salary, performance bonuses, special bonuses, allowances and subsidies, and employee benefits.

For employee performance appraisal, we adopt the appraisal form of "organizational performance appraisal results + KPI + GS + BPI + veto items"; and the appraisal results are used as the measurement standard for employees' variable salary and are included in the final salary evaluation of all employees.



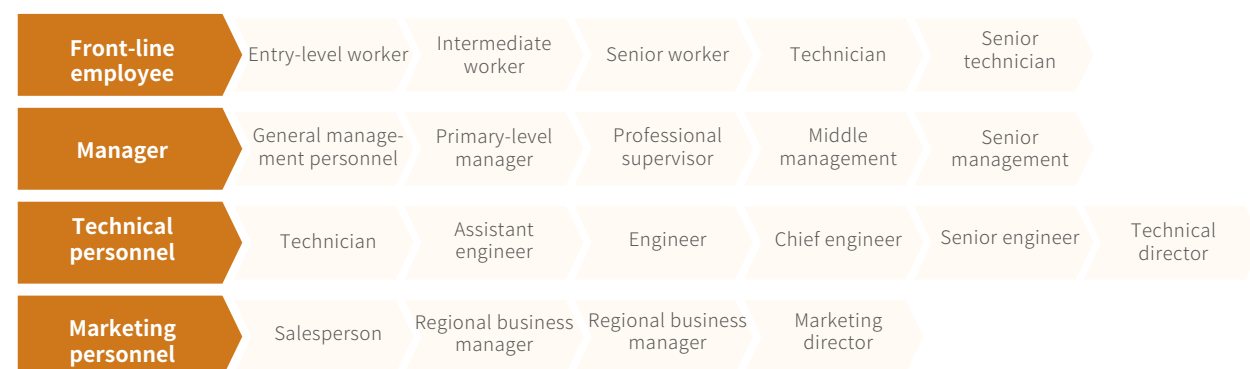
The company has also formulated an equity incentive plan in accordance with the *Company Law of the People's Republic of China*, the *Securities Law of the People's Republic of China* and the *Measures for the Administration of Equity Incentives of Listed Companies*, further improving the corporate governance structure of the company, fully mobilizing the enthusiasm of the managers and employees of the company and its subsidiaries, effectively combining the interests of shareholders, the company and the management, and encouraging all parties to focus on the long-term development of the company. During the reporting period, a total of 447 persons in the company met the incentive plan.

4.2 Empowering Employees' Development

At Meijin Energy, we place the development of our employees at the forefront of our priorities. We empower them in all aspects of their careers, offering a range of diverse promotion channels, a comprehensive and effective training system, opportunities to develop their skills in the workplace, and coordinating and promoting the construction of our talent team.

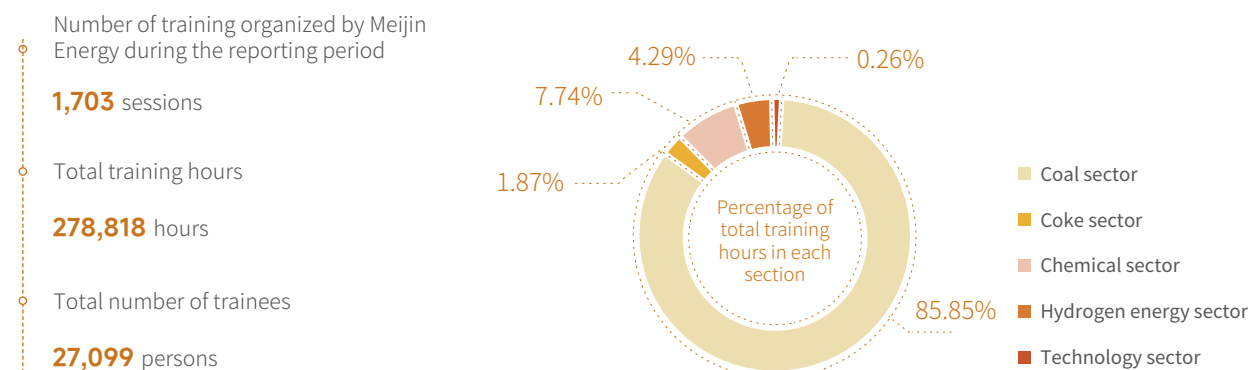
Employee Promotion

Meijin Energy adheres to the principles of comprehensive evaluation, standardized procedures, fair and just promotion to select outstanding talents for the company. During the reporting period, the company established and improved the career development channels for its employees based on the business development needs, so that the original single management promotion channel was changed into multiple promotion channels for management, profession and skill to meet the promotion needs of employees at all levels.



Employee Training

In order to help employees develop better, Meijin Energy has established a training system with diverse contents and forms for all employees to improve employees' professional skills and comprehensive abilities, and help employees continuously improve their abilities and realize their self-worth at work. In 2023, the company focused its training efforts on improving the professional skill level of general level employees. Each subsidiary carried out employee training in accordance with the company's characteristics from various aspects such as corporate culture, industry knowledge, safety knowledge and job functions, so as to improve employees' job competency and professional skill level.



		Number of trainees ² (unit: person)	Hours per capita (unit: hour)
By gender	Female employees ³	1,563	17.08
	Male employees	7,336	34.37
By job grade	Senior management	71	41.36
	Middle management	293	30.88
	General level employees	8,535	31.32

Annual Training Course Plan for Financial Sharing Center

In order to improve the professional quality and ability of department employees, the Financial Sharing Center organized various theoretical and practical training and adopted a "regular + special" training mode to continuously empower employees and help them better learn new knowledge and understand new policies, to safeguard the company's sustainable development.

Regular Training

- Conduct weekly training for financial staff, explaining specific types of business. Meanwhile, based on the newly issued interpretations of accounting standard by the Ministry of Finance, it prepares applications according to the specific situation of the company to train financial staff.

Special Skill Training

- In March 2023, in accordance with the Interpretations of Accounting Standards for Business Enterprises No. 16 document, specific applications were prepared according to the specific situation of the company to guide the subsidiaries to complete the corresponding work.
- In June 2023, based on the accounting system, tax law regulations and the specific situation of the company, the *Accounting Treatment Opinions on Trade Union Funds and Employee Education Funds* were compiled and each subsidiary was notified to handle them in accordance with the regulations, standardizing and unifying the company's relevant treatments.
- In September and November 2023, training was completed on the financial statements and notes of the three quarterly reports and the annual report; the notes of cash flow from ticket exchange; and the notes of year-end inventory counts and external confirmations.

² The number of trainees includes people who resigned during the reporting period.

³ In order to keep up with technological iterations and process flow updates, front-line positions in production and manufacturing usually require irregular technical training and operational guidance, while second-line auxiliary positions have relatively less training content. Therefore, the number of trainees and the number of hours of training per capita are lower for female employees than for male employees.

Information Management Department Personnel Training

In order to improve the job skills and code of conduct of the Information Management Department staff, the Information Management Department carries out relevant business training for department employees. The training topics mainly cover the expense reimbursement system operation process, contract management operation process, human resources system operation process, investment management operation process, engineering project operation process, comprehensive office operation process, fund management operation process, financial system operation process, procurement system operation process, etc.; during the reporting period, 22 training sessions on information-based system were conducted through online and offline methods, with a total of more than 1,000 participants.



Securities Department Personnel Training

During the reporting period, the Securities Department organized its employees to actively participate in a number of special training organized by the Shenzhen Stock Exchange, the Regulatory Bureau of China Securities Regulatory Commission and the Association of Listed Companies, including sustained disclosure of annual reports of listed companies, supervision of annual reports, reform of the independent director system and interpretation of policies on the reform of the full registration system, etc. A total of 19 training sessions were participated in, which provided important support for the Securities Department of the company to enhance its professional literacy and adapt to market changes.



Carbon Peaking and Carbon Neutrality and ESG Training

During the reporting period, the ESG working group carried out carbon assets, carbon emission accounting, and ESG-related training. In January and October 2023, Meijin Energy conducted "carbon peaking and carbon neutrality" training and ESG training for middle and senior management; in November, Meijin Energy conducted "carbon emission accounting" training for all employees and subsidiaries to promote the integration of carbon reduction awareness and ESG concepts into operation and management, and to raise the overall cognitive level of management and employees. During the reporting period, a total of 206 persons participated in the training.



4.3 Guarding Employee Safety

Meijin Energy always adheres to the principle that employee safety is the first priority for production and development, and has always taken employee safety as a prerequisite for work; On the basis of complying with various national policies and regulations, Meijin Energy continuously improves the company's policies and management structure, conducts comprehensive safety inspections and evaluations, enhances employee safety awareness, ensures employee safety production, builds a safe platform for employee development, and lays a stable foundation for the sustainable development of the enterprise.

Safety Management System

Meijin Energy strictly abides by laws and regulations such as the *Production Safety Law of the People's Republic of China*, the *Regulations on the Administration of Safety Production in Construction Projects*, the *Law of the People's Republic of China on the Prevention and Control of Occupational Diseases*, and constantly refines its internal policies that cover all employees. Based on the needs of each subsidiary, we have formulated corresponding regulatory systems such as the *Occupational Health and Safety Responsibility System*, the *Occupational Health and Safety Surveillance Management System*, the *Occupational Health and Safety Training and Education System*, the *Work Safety Meeting Management System*, etc.; meanwhile, we have also applied all kinds of health and safety policies in the management of our contractors, so that we can improve our safety management capability in all aspects.

The company has also continuously established and improved the organizational structure of occupational health and safety management. The president of the company serves as the highest decision-maker and first person responsible for occupational health and safety management policies. The Sustainable Development Committee is responsible for managing and supervising the implementation of the company's safety, health and environment plans. Departments and subsidiaries adopt a safety production responsibility system and link management compensation with health and safety performance to ensure the implementation of relevant systems and requirements. Meanwhile, based on the overall occupational health and safety requirements, combined with its own actual situation, the company has set occupational health and safety management objectives, and focuses on the direction of continuous improvement of occupational health and safety performance. During the reporting period, no major occupational safety accidents occurred in the company.

Coal Sector - Jinfu Coal Industry

Goal Setting

- Prevent gas and coal dust explosion accidents; prevent coal and gas outburst accidents; prevent underground fire accidents; prevent water inrush accidents; prevent roof-fall accidents; prevent mechanical and electrical transportation casualty accidents;
- Prevent Level 1 non-personal injuries and fatalities, avoid Level 2 non-personal injuries and fatalities, and control Level 3 non-personal injuries and fatalities;
- Prevent serious injury accidents caused by production responsibility; strictly control minor injury accidents caused by production responsibility; Prevent 3% and above gas over-limit accidents, avoid other gas over-limit accidents, and control gas warning and false alarm accidents.

Status of Achievement

- Completed annual safety investment, key safety projects, and safety training plans;
- Organized the potential hazards identification and management work, and the pass rate of potential hazards rectification reached 100%.

Coke Sector - Huasheng Chemical Industry

Goal Setting

- 0 work-related deaths and serious injuries per year;
- 0 larger equipment, production operation, fire and explosion accidents;
- 0 occupational disease accidents;
- Minor injuries caused by work should be controlled within 3 persons/time and strive to be 0;
- Over 98% perfectness ratio of equipment;
- 100% rectification rate of potential hazards;
- 100% safety education rate for all staff;
- 100% employment rate for special operations with certificates;
- Dynamic standardization of safety production achieves planning goals.

Status of Achievement

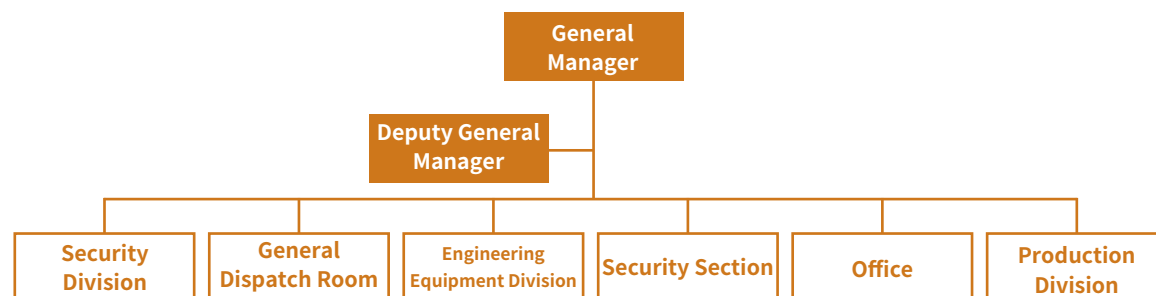
- The production safety goals in 2023 were achieved well:
- No serious injury or above occurred;
 - No major fire accident occurred;
 - No major equipment damage accidents caused by personnel responsibility occurred;
 - 100% potential hazard identification and management rate;
 - 100% full staff safety training coverage rate;
 - Over 95% perfectness ratio of all equipment;
- The qualified rate of regular inspection and testing of special equipment is 100%.



Huasheng Chemical Industry Safety Warning Slogan

Health and Safety Management Structure of the Chemical Industry Sector

The Chemical business division of Meijin Energy and its subsidiaries have actively implemented the production safety production responsibility system, established a comprehensive occupational health and safety management network, and integrated the management of employees' occupational health and safety into the daily production and operation.



▲ Occupational Health and Safety Management Network of Chemical Sector

Health and Safety System of the Hydrogen Energy Sector

Feichi Technology

Feichi Technology, a subsidiary, developed and released the organizational structure of the company's safety, environmental protection and occupational health management, clarifying the list of persons in charge of production safety and the division of responsibilities.

Qingdao Meijin

Qingdao Meijin, a subsidiary company, set up a full-time safety administrator to carry out daily inspections and supervise the implementation of various management systems formulated by the company. Meanwhile, it carried out three-level safety training to improve safety awareness, distributed labor insurance supplies, and adopted the safety management mode of fixed qualified operators and fixed equipment to reduce the chances of accidents and ensure personnel safety.

Safety Management Initiatives

Meijin Energy formulated a comprehensive occupational health and safety governance policy and actively promoted various safety management initiatives, forming a complete closed-loop management system through risk assessment, potential hazard identification, emergency management, accident reporting, safety performance assessment, safety disciplinary actions, and safety training.

Safety Education Morning Meeting

In order to implement the safety construction policy of "safety first, prevention first", Meijin Energy required all production departments and construction projects to hold a safety education meeting before starting work every day to increase employees' attention to safety production and construction and ensure safe production, ensure safe production and ensure that each work is carried out safely and orderly.



Sample of Safety Morning Meeting Minutes

Emergency Management

With the guidance of *Measures for the Administration of Emergency Plans for Production Safety Accidents*, the *Regulation on Emergency Responses to Work Safety Accidents*, the *Guidelines for Enterprises to Develop Emergency Response Plan for Work Place Accidents* and other relevant laws and regulations, Meijin Energy formulated and improved the company's *Management System for Major Dangerous Sources*, *Emergency Rescue Management System for Accidents*, *Safety Reporting Management System* and other systems; all business lines and subsidiaries also improved and perfected the relevant systems and daily control initiatives in accordance with the requirements.

Coal Sector Emergency Drill

In 2023, the subsidiaries of the coal sector organized special emergency drills such as occupational hazard accident emergency drills, water hazard incident emergency drills, ground fire accident emergency drills, underground fire accident emergency drills, and civil explosion substances warehouse fire accident emergency drills. Through a series of emergency drills, the team's ability to respond to all types of emergencies has been effectively enhanced, further ensuring the safety of production and operation.



Fenxi Taiyue Coal Industry Ground Fire Emergency Response Drill



Jinfu Coal Industry Emergency Drill for Ground Fire Accident



Jinhui Coal Industry Emergency Safety Drill

Coke Sector Emergency Drill

Meijin Energy organized an emergency drill to simulate the emergency response process of a fire disaster in the Huasheng Chemical Industry oil depot area. During the drill, the emergency rescue team's response speed, cooperation ability, coordination communication ability, and on-site handling ability were comprehensively evaluated; improved the loopholes in the emergency plan, and enhanced its practicability and operability comprehensively strengthened the emergency response capabilities for unexpected events to ensure quick and effective responses in real emergency situations. After careful organization and implementation, this drill achieved complete success.

Hydrogen Energy Sector to Carry out Emergency Drill

Feichi Technology, a subsidiary of the hydrogen energy sector, formulated an emergency rescue drill plan for electric shock accidents based on the types of work carried out on the workshop site and the characteristics of actual operations. In the early stage, the drill objectives were clearly defined by establishing a drill team, holding a drill kickoff meeting, and conducting drill rehearsals. After the formal drill, the results were carefully reviewed and summarized to truly enhance the company's emergency response capabilities.

The subsidiary Qingdao Meijin organized its staff to conduct emergency rescue drills for special fire accidents and on-site rescue drills for falling from heights in accordance with the *Comprehensive Emergency Response Plan for Safety Production Accidents of Qingdao Meijin New Energy Automobile Manufacturing Co., Ltd.* and summarized and evaluated the results of the drills.



Hydrogen Energy Sector Emergency Drill

Potential Hazards Investigation

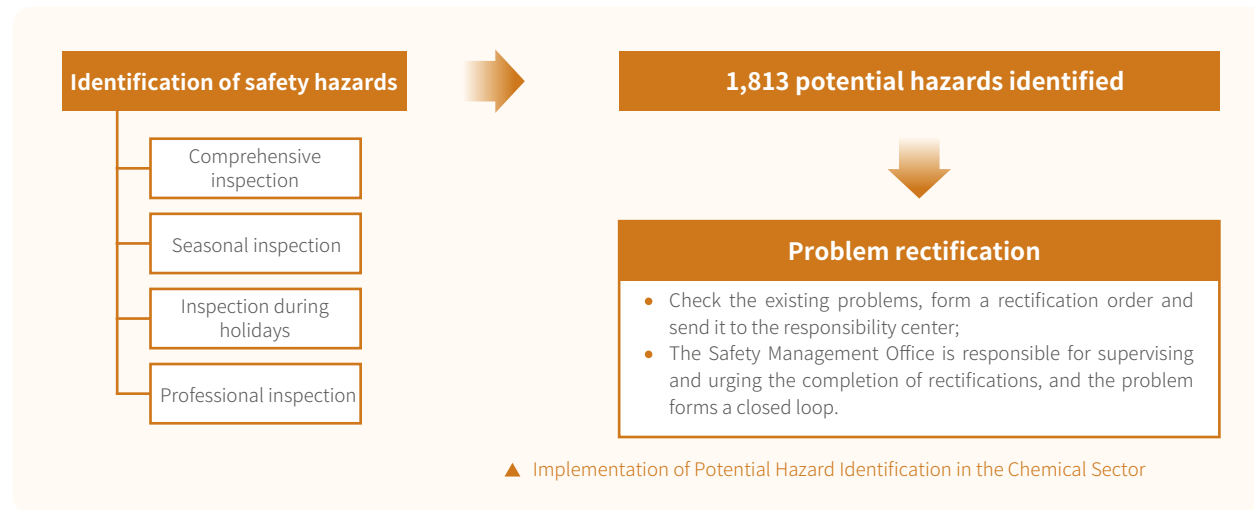
In order to ensure the production safety of employees, during the reporting period, the business divisions and subsidiaries of Meijin Energy took appropriate special measures and conducted regular identification of safety hazards.

Risk Source Identification

The mine manager organized various departments and district teams to conduct safety risk identification in 2023. A total of 184 safety risks were identified through the annual risk identification, including 3 major risks, 45 significant risks, 88 general risks, and 13 low risks. Through the division of responsibilities for identifying various risks, substantial results were achieved in the control of various risks in 2023, achieving the expected control goals.

Improvement of Equipment and Facilities

Improved safety facilities and equipment such as underground monitoring and control, personnel position monitoring, compressed-air self-rescue, water supply and rescue, and communication in coal mines; supplemented emergency rescue technology equipment and carried out equipment maintenance.



Occupational Health and Safety

Meijin Energy has implemented occupational health and safety protection throughout its daily production work and safeguarded the health and safety of its employees through safety training, knowledge competitions, and regular medical checkups in order to safeguard the long-term development of the company and its employees.

Health and Safety Training and Activities

During the reporting period, the company conducted 722 health and safety training sessions covering 9,903 persons and a total of 10,771 hours. The head office organized the "Safe Production Month" activities and carried out relevant activities around the theme of "Everyone pays attention to safety and everyone knows how to respond to emergencies"; all business divisions and subsidiaries also responded positively to the call of the head office and innovatively and comprehensively carried out relevant training and competition based on their own business needs to enhance employees' awareness of safety production and safeguard their physical health.

Health and safety training	Covering	Total
722 sessions	9,903 persons	10,771 hours

Coal Sector Safety Meeting

Jinhui Coal Industry, a subsidiary of the coal sector, holds regular safety meetings to enhance the leadership's safety management awareness and employees' safety work awareness.



The Coke Section Organized Occupational Health and Safety Activities

Training and Vocational Education

- In order to further improve the company's safety management and staff's awareness of safe operation, the business division carried out special training for safety education, and conducted training for safety officers, technicians, dispatchers, shift leaders, etc. in each workshop;
- At the end of the training, the trainees were tested, and all passed the test.

Knowledge Contest

- The company organized various workshops and departments to carry out safety knowledge competitions.
- By answering the safety knowledge in the form of quick responses questions, which further enhanced employees' initiative in learning safety knowledge and enhanced employees' safety awareness.

Huasheng Chemical Industry "Safety Month" Activity

According to the "Safety Month" activity plan, the subsidiary Huasheng Chemical Industry assembled all workshops and departments to set up a comprehensive safety inspection team on June 20, focusing on inspecting the company's safe operation, safety hazard identification and management, safety production responsibility system and target responsibility letter decomposition and signing, safety risk management and control, safety management of external construction entities, personnel safety training and team safety activities.



Comprehensive Inspection of Production Safety



Safety Knowledge Contest

Occupational Health Protection

Meijin Energy strictly abides by the rules and regulations such as the *Occupational Health and Safety Risk Identification System*, the *Occupational Health and Safety Monitoring Management System*, the *Environmental Management System*, the *Occupational Hygiene and Health Management System*, the *Occupational Health Examination Management System*, the *Labor Protection Equipment Management System*, in order to ensure the safety of employees during operation.

Following the guidance of various systems, we also continuously implement measures to ensure the occupational health of employees:

Improvement of equipment

- Adopt the safety management mode of fixed qualified operator and fixed equipment to reduce the chance of accidents;
- Daily emphasis on safety precautions, supervision and inspection of labor protection equipment distribution and wear;
- Relevant safety training courses to improve employees' safety awareness, supplies such as helmets, safety goggles, earplugs, gloves, etc., ensuring the supplies' effectiveness and timeliness.

Detection of occupational disease

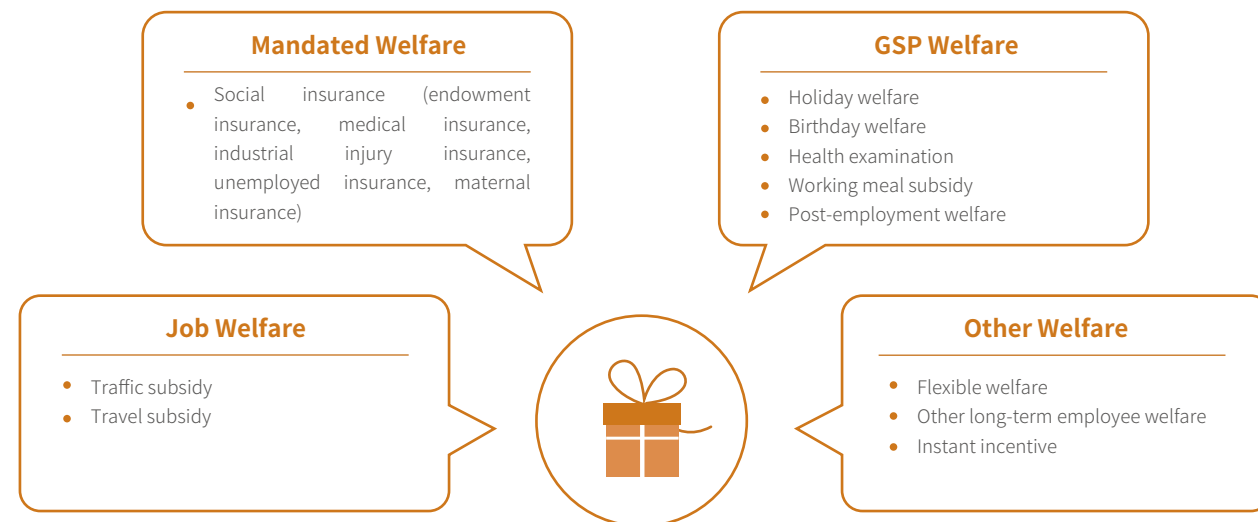
- Occupational health examinations for persons exposed to occupational disease before, during and after work;
- Health examinations for employees other than those exposed to occupational disease;
- Employing professional institutions to conduct quarterly and annual testing of occupational health hazard factors at the production sites;
- Updating and establishing occupational health personal protection files.

4.4 Delivering Care for Employees

Meijin Energy is committed to improving employees' sense of happiness and belonging at work by establishing a comprehensive and complete salary and welfare system, strengthening communication with employees, and holding regular activities so that employees can truly feel the warmth of the company. During the reporting period, the company conducted surveys on employee engagement and satisfaction in order to gain an in-depth understanding of employees' work demands and further enhance employees' work enthusiasm.

Employee Welfare

We attach great importance to daily care for our employees and provide all employees with various benefits in addition to salary, including birthday shopping cards, holiday benefits, etc.



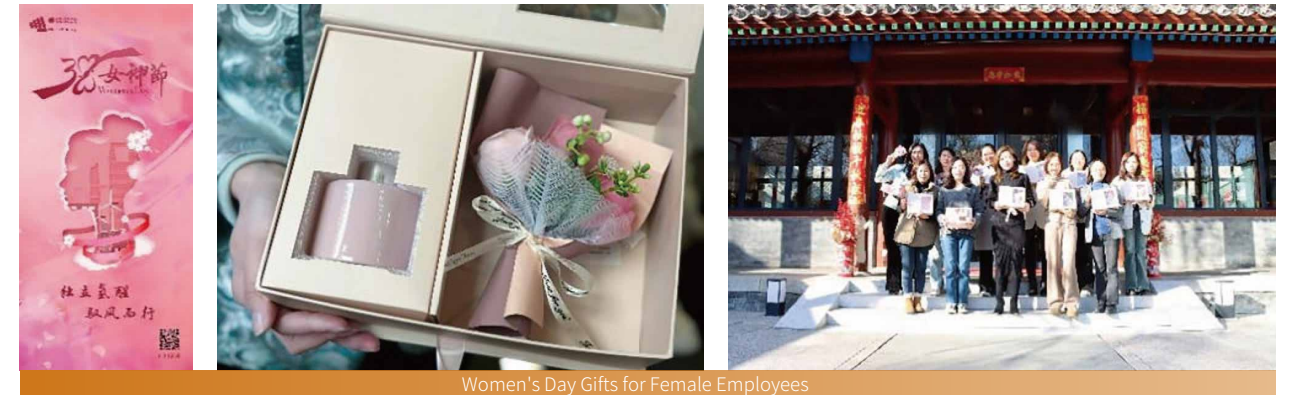
Meijin Energy Welfare Security System

Daily care

- Food - The company has a staff canteen to provide employees with free lunch, with a variety of dishes that are hygienic and healthy;
- Housing - The company builds talent apartments, and employees can rent talent apartments at a low price based on their positions and company service years;
- Transportation - The company uses hydrogen powered vehicles as company shuttle buses to take employees to and from work in Qingxu and Taiyuan.

Holiday welfare

- Birthday gifts;
- Providing summer-relieving beverages, herbal tea, and high-temperature consolation during hot weather;
- Organizing activities for female employees on Women's Day;
- Distributing welfare on the Mid-Autumn Festival and the Spring Festival.



Women's Day Gifts for Female Employees

In order to further strengthen our own construction, attract and retain talent, we invested in the construction of talent apartment projects in the specialized and sophisticated industrial park. Currently, the project has been included in the second batch of housing rental market development projects supported by the central finance in Taiyuan, Shanxi Province.

Meijin Talent Apartment project

The construction project of the Meijin talent apartment, which started in March 2022, is located in Shanxi Meijin demonstration park for specialized and sophisticated small and medium-sized enterprises, covering an area of 72,400 square meters, with a total investment of about RMB 890 million. 11 rental housing buildings with 1,190 units will be constructed, which can accommodate approximately 4,165 people, with move-in conditions. At present, the construction work of the project has been completed, and it is expected to be put into use in the middle of the year 2024.

In the future, Meijin Energy will rely on talent apartments to establish a diversified and all-round service system, covering areas such as startup incubation, employment guidance, achievement transformation, entrepreneurial opportunities, career planning, etc., and utilize Meijin's existing resource platforms and advantages to integrate and reorganize community resources to maximize service effectiveness.



Aerial view of Meijin Talent Apartment

Democratic Communication

Meijin Energy conscientiously implements the *Law of the People's Republic of China on Trade Unions*, the *Labor Law of the People's Republic of China*, the *Constitution of the Chinese Trade Unions* and other laws and regulations, as well as the *Collective Contract Provisions of the Ministry of Human Resources and Social Security*. It signed the *Negotiation Protocols* with the company's trade union, its subsidiaries, and the trade union of its subsidiaries, with the aim of safeguarding the lawful rights and interests of the employees and building a harmonious labor relationship. The two parties may consult on such topics as rest and vacation, safety and health at work, special protection of female workers and underage workers, vocational skill training, prevention and treatment of labor controversies, investigation and management of potential hazards of accidents, quality supervision and inspection of labor protection articles, democratic management of workers and so on.

Employee Activities

Meijin Energy also organizes various activities for its employees after their daily work to enhance their cohesion and sense of belonging; in order to enrich the life of its employees, our subsidiaries plan to build and renovate table tennis tables, billiard tables, badminton courts, basketball courts and other sports equipment and venues; during the reporting period, the company organized various cultural and sports activities such as group travel, flower arranging on the Women's Day, and basketball matches, which better conveyed the company's values and promoted win-win results between employees and enterprises.



The company organized the design of floats, colorful gate towers, lantern lighting, and other Spring Festival decoration work and participated in the Qingxu County lantern exhibition and float parade activities.

The company collaborated with China Merchants Bank to organize a flower arrangement activity for female employees on March 8th, Women's Day.



The company organized Meijin's 3-day team building activities in Xi'an to "carry forward traditional virtues and strive to create a civilized enterprise."



The company and its parent company, Meijin Group, jointly organized the second "Meijin Cup" employee basketball game



The Department of Hydrogen Energy and Sustainable Development organized a team building activity for employees

4.5 Passionate about Public Welfare and Charity

Meijin Energy has always adhered to the public welfare concept of "public welfare is no small matter". While focusing on its own business, it actively fulfills its social responsibilities and gives back to society with love.

The company's headquarters and subsidiaries organized various public welfare activities and participated in public welfare donations to assist rural revitalization, provide high-quality education, and support community development. During the reporting period, the company donated a total of RMB 9.54 million.

During the reporting period, Shanxi Province held the first "Shanxi Charity Award" selection, and Meijin Energy was awarded the title of "Charity Donation Enterprise" in Shanxi Province, representing the recognition of Meijin Energy's charitable contributions in the past five years by the Shanxi provincial committee and government.

During the reporting period, the company donated a total of RMB 9.54 million.

In the first "Shanxi Charity Award", won the title of "Charity Donation Enterprise"



▲ Meijin Energy was awarded the title of "Charity Donation Enterprise" in Shanxi Province, and Vice President Yao Jincheng attended the award ceremony on behalf of the company

Staying Together · Helping the Disaster-Affected Areas in Fangshan District Get Through Difficulties

In early August 2023, a flood disaster occurred in the Fangshan District of Beijing due to a super typhoon. At the critical moment, Meijin Energy's hydrogen energy sector subsidiaries Meijin Hydrogen Technology, Feichi Technology, Xiaoshizi Automobile Supply Chain, and other companies promptly understood the disaster situation and calculated material needs, and jointly prepared a large amount of food, daily necessities, and other relief materials to alleviate the disaster in Fangshan District, and actively fulfilled social responsibilities with practical actions.



Rural Revitalization · Supporting Common Development of Surrounding Rural Areas

The subsidiary Fenxi Taiyue Coal Industry actively responds to the national rural revitalization policy and deeply participates in supporting rural education in the company's operation sites and surrounding areas. In October 2023, it donated over RMB 1 million to local education foundations and schools to purchase teaching equipment, improve educational conditions, and enhance rural education levels.

In order to support the construction of rural infrastructure, in March 2023, Fenxi Taiyue Coal Industry contributed RMB 500,000 to assist in the maintenance of water supply pipelines in Zhatan Village and Wei Village in Zhongyu Township to ensure safe and reliable water supply for local residents and in August 2023, it contributed RMB 495,000 to support the construction of digital villages in Lingkongshan Township to promote the process of rural informatization and modernization, and injected a new impetus for rural economic development.

In order to support the development of rural industries, Fenxi Taiyue Coal Industry subscribed RMB 486,000 of agricultural products from Qinyuan County in 2023, including eggs and vegetables, which promoted local agricultural production and boosted the all-round development of rural economy and society.

Meanwhile, Fenxi Taiyue Coal Industry has always shown concern for vulnerable populations. In 2023, it successively donated RMB 168,800 to local nursing homes and lonely elderly people, fully reflecting its social responsibility and spirit of commitment.



Appendix 1: Key Performance Table

Appendix 1.1: Table of Environmental Performance

Key Performance Indicators	2023	Unit
Direct Energy Use		
Gasoline	177,136.49	Liter
Diesel	686,788.01	Liter
Natural Gas	2,718,983.58	Cubic Meter
Coke Oven Gas	1,330,021,555.51	Cubic Meter
Indirect Energy Use		
Purchased Electricity	1,548,694,660.55	Kilowatt Hour
Purchased Heat	3,255,007.12	Millions Kilojoules
Energy Consumption		
Direct Energy Consumption	76.43	Ten Thousand Tons of Standard Coal
Indirect Energy Consumption	30.13	Ten Thousand Tons of Standard Coal
Comprehensive Energy Consumption	106.56	Ten Thousand Tons of Standard Coal
Energy Consumption Density	0.51	Ton of Standard Coal / Income of RMB 10,000
Greenhouse Gas Emission		
Scope 1 Greenhouse Gas	4,627,200.31	Ton of Carbon Dioxide Equivalent
Gasoline	419.69	
Diesel	1,821.22	
Natural Gas	4,767.97	
Coke Oven Gas	1,099,551.18	
Special Emissions in Production Process ⁴	2,338,805.50	
Unorganized Emissions ⁵	1,181,834.75	
Scope 2 Greenhouse Gas	1,318,312.64	Ton of Carbon Dioxide Equivalent
Purchased Electricity ⁶	862,313.19	
Purchased Heat	455,999.45	

⁴ In 2023, the statistics of special sources of emissions from production processes was added, including emissions from production processes of coking and chemical industries and methane emissions from anaerobic treatment of industrial wastewater.

⁵ The statistics of unorganized emission sources were added in 2023, including fugitive emissions of methane and carbon dioxide from underground mining during coal production and refrigerant escape emissions.

⁶ Electricity emission factors were from the 2021 national average carbon dioxide emission factors for electricity published by the Ministry of Ecological Environment and the National Bureau of Statistics on April 12, 2024.

Key Performance Indicators		2023	Unit
Scope 3 Greenhouse Gas			
Category 4: Upstream Transportation and Distribution		93,202.89	Ton of Carbon Dioxide Equivalent
Category 7: Employee Commuting		2,656.15	
Category 9: Downstream Transportation and Distribution		35,238.24	
Greenhouse Gas Emission Intensity		2.86	Ton of Carbon Dioxide Equivalent / Income of RMB 10,000
Materials			
Refrigerant		70,981	Kilogram
Catalyst		1,044,421.08	Kilogram
Adsorbent		2,912,360.00	Kilogram
Clean Coal		8,470,142.93	Ton
Water Resource			
Total Water Withdrawals		9,426,463.95	Cubic Meter
Municipal Water Withdrawals		1,812,480.95	Cubic Meter
Water Withdrawals from Other Sources		7,613,983.00	Cubic Meter
Water Resource Use Intensity		4.53	Cubic Meter / Income of RMB 10,000
Total Amount of Wastewater		4,032,340.00	Ton
Wastewater Utilization		3,086,818.28	Ton
Sewage Wastewater Utilization		76.55	%
Exhaust Emission			
Sulfur Oxide		360.09	Ton
Nitrogen Oxide		518.13	Ton
Soot Emission		147.43	Ton
Non-hazardous Waste	Paper	32.44	Ton
	Plastic	4.19	Ton
	Glass	48.12	Ton
	Metal	578.15	Ton
	Kitchen Waste	16.93	Ton
	Rock Refuse	688,088.00	Ton
Hazardous Waste	Toner-Ink Box	1,876	Box
	Rechargeable Battery	388	Battery
	Lamp Tube	0.82	Ton

Key Performance Indicators		2023	Unit
Non-hazardous Waste Recycling	Paper	0.10	Ton
	Plastic	1.86	Ton
Hazardous Waste Recycling	Toner-Ink Box	341	Box
	Rechargeable Battery	20	Battery

Environmental Performance Statement:

- The collection of environmental data covers the period From January 1, 2023, to December 31, 2023. This collection covers the headquarters of the listed company, Meijin Energy, and its 52 subsidiaries involved in core business within the scope of its consolidated statement. For the detailed list, please see the section "About Meijin - Business Overview".
- The calculation of energy consumption refers to the national standard of the *People's Republic of China GB/T2589-2020 General Rules for Calculation of the Comprehensive Energy Consumption*; the collection and calculation of greenhouse gas emissions mainly refers to the *General Guideline of the Greenhouse Gas Emissions Accounting and Reporting for Chemical Production Enterprises in China (Tentative)*, the *General Guideline of the Greenhouse Gas Emissions Accounting and Reporting for Independent Coking and Chemical Enterprises in China (Tentative)*, the *General Guideline of the Greenhouse Gas Emissions Accounting and Reporting for Coal Producing Enterprises in China (Tentative)*, the *General Guideline of the Greenhouse Gas Emissions Accounting and Reporting for Other Industries (Tentative)*, the *Methods and Reporting Guidelines of Greenhouse Gas Emissions Accounting for Other Industrial Enterprises (Tentative)*, the *Greenhouse Gas Accounting System: Enterprise Accounting and Reporting Standards (GHG Protocol)* issued by the National Development and Reform Commission of the People's Republic of China.
- Greenhouse gas emissions (Scope 1) and direct energy use mainly include diesel, gasoline, natural gas, coke oven gas, and special emissions from the production processes of each business sector. Greenhouse gas emissions (Scope 2) and indirect energy use mainly include purchased electricity and heat.
- The density of environmental data was calculated using the total data in 2023 divided by the company's total income for that year in the calculation of greenhouse gas emission intensity because the emission intensity per unit output value shows the main evaluation of the carbon emission level of the production and operation of the enterprise itself, the direct emission (Scope 1) and indirect emission (Scope 2) are only calculated here.

Appendix 1.2: Table of Social Performance

Key Performance Indicators	2023	Unit
Employees Data		
Total Number of Employees	8,629	Person
Full-time Employees	8,611	Person
Part-time Employees	18	Person
Male Employees	7,001	Person
Female Employees	1,628	Person
Employees Aged 29 and Under	2,087	Person
Employees Aged 30-39	2,292	Person
Employees Aged 40-49	1,826	Person
Employees Aged 50 and Above	2,424	Person
Senior Management	122	Person
Middle Management	375	Person
General Level Employees	8,132	Person
Ethnic Minority Employees	183	Person
Employees with disabilities	13	Person
Local Employment	67.20	%
Technological Innovation		
Number of patents obtained	31	Piece
Number of invention patents obtained	10	Piece
Occupational Health and Safety		
Major Safety and Production Accidents	0	Accident
Accident Rate	1.10	%
Employee Injury Rate in Workplace Accidents	5.51	Injuries Per Million Hours Worked
Employee Training		
Total Training Sessions	1,703	Session
Total Training Hours	278,818	Hour
Total Number of Trainees	27,099	Person-time
Number of Suppliers		
Total Number of Suppliers	185	Supplier

Key Performance Indicators	2023	Unit	
Customer Service			
Customer Satisfaction	95	%	
Community Contribution			
Social Contribution Value Per Share	0.72	RMB	Per Share

Appendix 2: GRI Standard Index

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Reader Feedback Form

Dear Reader:

Thank you for taking the time to read this report. In order to have a deeper understanding of your expectations and needs for Meijin Energy's sustainable development management and information disclosure, and to continuously improve our sustainable development performance, we hereby conduct this questionnaire survey. We look forward to hearing your comments and feedback on the company's sustainable development work and this report. Your views and opinions are crucial to Meijin Energy.

You can fill out the form below and send us feedback by post or email. We welcome and sincerely appreciate your valuable comments!

Address: Guanzhong Building, Qingxu County, Taiyuan City, Shanxi Province

Zip code: 030499

Telephone: 0351-4236095

Email: mjenergy@mjenergy.cn

1. For Meijin Energy, your identity is:

☐ Employee

☐ Government and regulator

☐ Supplier and partner

☐ Industry and Industry Association

☐ Shareholder / Investor

☐ Client and consumer

☐ Community and non-governmental entity

☐ Others _____

2. Your evaluation of this report

Is the structure of this report proper?

☐ Very good

☐ Good

☐ General

☐ Relatively poor

☐ Poor

Can you understand the company's sustainable development philosophy and practical characteristics through this report?

☐ Very good

☐ Good

☐ General

☐ Relatively poor

☐ Poor

Is this report friendly and easy to read?

☐ Very good

☐ Good

☐ General

☐ Relatively poor

☐ Poor

Is the content arrangement and format design of this report reasonable?

☐ Very good

☐ Good

☐ General

☐ Relatively poor

☐ Poor

What is your overall evaluation of this report?

☐ Very good

☐ Good

☐ General

☐ Relatively poor

☐ Poor

3. What is the extent of disclosure of the information you are concerned about in the issues?

☐ Very comprehensive

☐ Comprehensive

☐ Rarely involved

☐ Not involved

LOW-CARBON WORLD EXPANDS THE FUTURE OF HYDROGEN

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