

2023年度

株洲时代新材料科技股份有限公司
环境、社会及治理(ESG)报告

连接世界 造福人类



About this report

Introduction

This is the first Environmental, Social and Governance (ESG) Report issued by Zhuzhou Zhuzhou Times New Material Technology Co., Ltd based on the principles of objectivity, standardisation, transparency and comprehensiveness, the report discloses in detail the practice and performance of TMT in the fields of environmental protection, social responsibility and corporate governance in 2023.

Time

The scope of this report is from 1 January 2023 to 31 December 2023, and some parts of the report go beyond that in order to enhance the comparability and completeness of the report.

Scope

This report is based on TMT and covers TMT and its wholly-owned subsidiaries and holding subsidiaries, and the scope of this report is consistent with the scope of the Company's consolidated financial statements unless otherwise stated.

Basis for preparation

This report mainly refers to Shanghai Stock Exchange Stock Listing Rules, Shanghai Stock Exchange Listed Companies Self-Regulatory Guidelines No. 1 - Standardized Operation, and Shanghai Stock Exchange Listed Companies Self-Regulatory Guidelines No. 14 - Sustainability Report (Trial) (Draft for Comment), Guidelines on Environmental Information Disclosure of Listed Companies, Chinese Academy of Social Sciences Corporate Social Responsibility Research Center, China Corporate Social Responsibility Reporting Guidelines 5.0(CASS-ESG5.0), Global Reporting Initiative, GRI Standard 2021, ESG Special report Reference Index System for Listed companies holding central enterprises" and other reporting guidelines or rules, which are issued by the Shanghai Stock Exchange.

Note of designation

For ease of presentation and reading, the following designations are used in this report:

Note	Full Name
Times New Materials(TMT), Company, Our company, We	Zhuzhou Times New Material Technology Co., Ltd
New Material Germany (BOGE)	CRRC New Material Technologies GmbH
Shidai Huaxian	Zhuzhou Times Huaxian Material Technology Co. GmbH
BOGE Wuxi	BOGE Rubber & Plastic (Wuxi) Co. GmbH
BOGE Shanghai	Bogo Rubber & Metal (Shanghai) Co.
BOGE Zhuzhou	Bogo Rubber & Metal (Zhuzhou) Co.
CRRC	China Railway Rolling Stock Corporation Limited
Corporation	China Railway Rolling Stock Corporation Limited

Confirmation and approval

The Board of Directors undertakes to monitor the content of the report and ensure that it does not contain any false information or misleading statements, and is responsible for the truthfulness, accuracy and completeness of the content.

Data description

The information and data used in this report are from the official documents or statistical data of TMT, and the Company undertakes that this report does not contain any false records or misleading statements, and is responsible for the truthfulness, accuracy and completeness of the contents of the report.

Publishing form

You can download the electronic copy of this report from the Shanghai Stock Exchange (<http://www.sse.com.cn>) and the 'Investor Relations' channel of the official website of Zhuzhou Times New Material Technology Co.

Chairman's Word



Under the strong leadership and support of CRRRC, we have resolutely implemented the national strategy, actively responded to the 'Belt and Road' initiative, adhered to the concept of sustainable development, proactively fulfilled our social responsibilities, and taken solid steps on the journey of high-quality development.

Promote reform and innovation to provide impetus for high-quality development.

Focusing on improving the quality of listed companies, the company has successfully implemented long-term equity incentives to effectively stimulate the vitality of employees, and continued to improve corporate governance and strive to modernise the corporate governance system and governance capacity. Focusing on the development trend of green energy, the Company will continue to strengthen its scientific and technological innovation system, carry out scientific and technological research based on major projects, promote the integrated development of scientific and technological innovation, market development and capacity building, and endeavour to become a source of original technology.

Accelerating digital transformation to empower and increase efficiency for industrial upgrading.

The company continues to improve the top-level design of digital transformation, establish a sound digital management system, and steadily promote the construction of two major digital demonstration projects, namely the wind turbine blades and the innovation centre.

Improve ESG governance structure to add dynamism to sustainable development.

The Company has set up an ESG governance structure, clarified the rules of procedure for ESG-related special committees of the Board of Directors, and actively fulfilled its ESG responsibilities. Adhering to the new development concept of 'Innovation, Coordination, Green, Openness and Sharing', the Company has deeply integrated ESG governance with its business operations to achieve a virtuous cycle of environmental, social and economic benefits.

Adhere to the people-oriented, to build a platform for staff development.

The company fully implements the new policy of talent development, deeply implements the strategy of priority development of talents, improves the mechanism of talent cultivation, focuses on the introduction, cultivation and service of talents, and is committed to the formation of a dynamic and competitive talent team. At the same time, the company adheres to the concept of people-oriented, cares for the growth of employees, cares for the life of employees, and endeavours to build a broad career development platform for employees, continuously meet the needs of employees for a better life, and enhance the cohesion of the enterprise.

Focusing on the 'double carbon' target to add colour to the green mountains.

The company firmly establishes the development concept of 'green water and green mountains are golden silver mountains', insists on putting resource conservation in the first place, continuously improves the efficiency of energy use, insists on the low-carbon development throughout the whole process of the company's production and operation, and contributes to the realisation of the goal of 'Carbon Peak and Carbon Neutral'. to achieve the goal of 'carbon peak and carbon neutral'.

The year 2024 is a milestone year in the company's development history, 40 years of the company's establishment, and the 10th anniversary of the merger and integration of New Materials Germany (BOGE). We will work hand in hand with our stakeholders, continue to provide customers with green products and services, and strive to maximise the comprehensive value of economy, society and environment.

Peng Huawen

Zhuzhou Times New Material Technology Co.

March 2024 27

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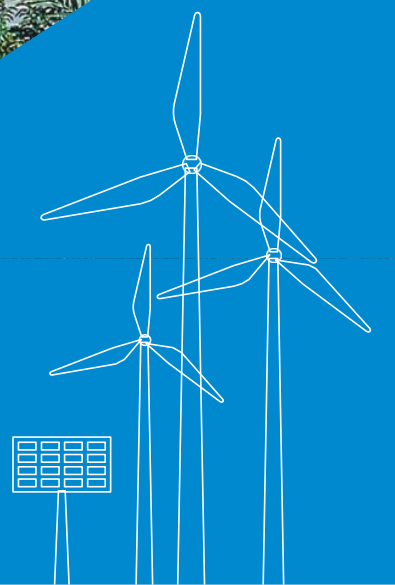
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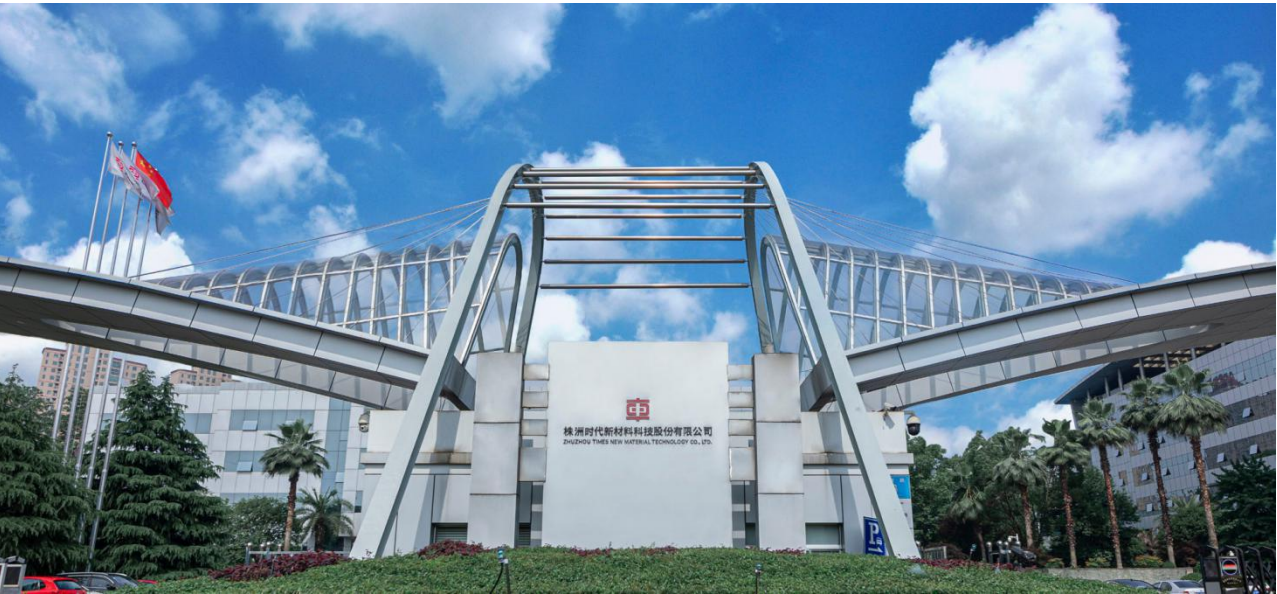
Into TMT

- Company Profile
- Business Layout and Development
- Company History
- Strategy and Culture
- Annual Honours



Company Profile

Zhuzhou Zhuzhou Times New Material Technology Co.,Ltd was founded in 1984, formerly known as the Rubber Laboratory of Zhuzhou Institute of the former Ministry of Railways, and is now a first-class subsidiary of CRRC. In recent years, TMT follows the pace of global economic development, makes use of international and domestic markets and resources, adheres to the synergistic and integrated development of industry for emerging industries, high-end products and global integration, and owns research and development and production bases in Germany, France, Slovakia, Mexico, Australia, Brazil and other countries, with a comprehensive internationalisation index of nearly 40%, which is a high-tech and internationalised manufacturing enterprise with a continuous sales scale of more than 10 billion. It is a high-tech and international manufacturing enterprise with a sales scale consistently exceeding 10 billion RMB.



Name
 Zhuzhou Zhuzhou Times New Material Technology Co.,Ltd

English name
 ZHUZHOU TIMES NEW MATERIAL TECHNOLOGY CO., LTD.

Stock bbreviation and code
 TMT (600458.SH)

Listed board
 Shanghai Stock Exchange (SSE) Main Board

Headquarters address
 Zhuzhou, Hunan Province

5
 Wholly-owned subsidiary

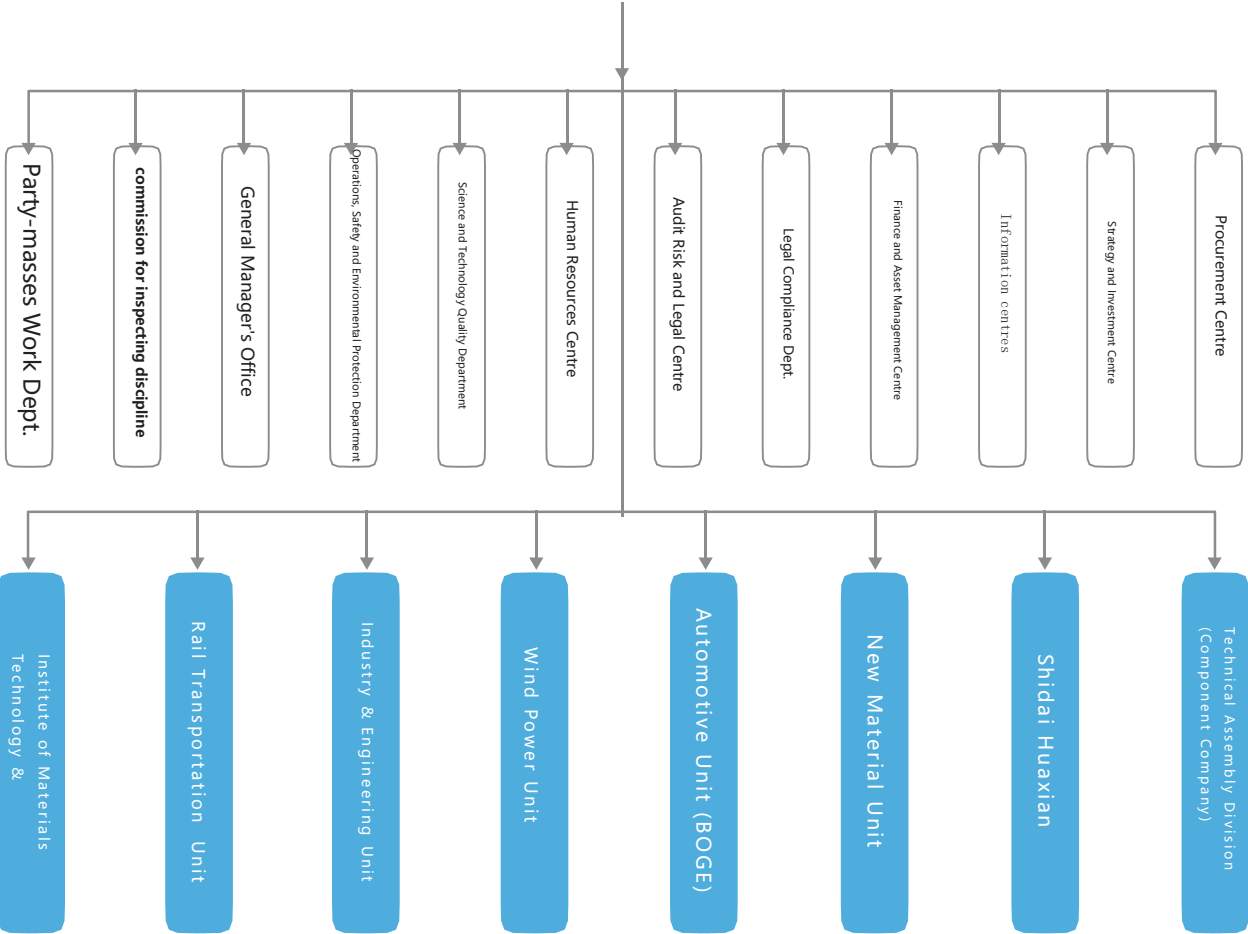
5
 Holding subsidiary

6,553
 Total employees worldwide

3,967
 Domestic employees

2,586
 Overseas employees


 株洲时代新材料科技股份有限公司
 ZHUZHOU TIMES NEW MATERIAL TECHNOLOGY CO., LTD.



Business Layout and Development

With the research and engineering application of polymer materials as the core, Times New Materials is committed to the development, production and sales of series products in the fields of rail transportation, industry and engineering, wind power generation, automobile, high-performance polymer materials and other industries, with more than 1,000 kinds of products, and it has developed into a high-tech company with cross-industry development and international operation.

Industry and Engineering

The company is mainly engaged in the line (including urban railway) vibration and noise reduction, bridge and building vibration damping and isolation, industrial vibration damping products research and development, manufacturing and sales; the company in the line vibration damping, bridge and building vibration damping and isolation and other fields are located in the forefront of the industry.



Railway Transport

The company is mainly engaged in rail transit rolling stock vibration and noise reduction. The company is mainly engaged in the research and development, production and sales of series of products for rail transit rolling stock vibration and noise reduction and vehicle body lightweighting; the company is currently the first in the global scale of rail transit elastic components products, and is one of the most complete providers of complete solutions for rail vehicle vibration damping and vibration



Wind power

The company is mainly engaged in the design, production, sales and operation and maintenance of wind turbine blades. The company is mainly engaged in the design, production, sales, operation and maintenance of wind turbine blades; the scale of wind turbine blades ranks second in China, and it is one of the blade manufacturers with the strongest independent R&D capability in China, and it is one of the few enterprises in the world with the ability to manufacture polyurethane blades in batch, and the scale of sales of elastic vibration-damping products for wind turbine fans and couplings and the market share of these products rank first in China.



Automotive

The company is mainly engaged in the R&D, production and sales of high-end automotive vibration and noise reduction and lightweighting products. The company is mainly engaged in the R&D, production and sales of high-end automotive vibration and noise reduction and lightweighting products; it ranks third in the global automotive vibration reduction segment and is the first enterprise in the world to promote the application of active vibration reduction products in vehicles in



New Polymer Materials

The company is mainly engaged in the research and engineering application of new materials such as high-performance polyurethane, long glass fibre reinforced thermoplastic composites, aramid materials, advanced paper-based materials, organosilicones, PAI polyamideimide and other new materials. In recent years, we have broken through a series of high performance polymer materials such as high performance polyurethane materials, long glass fibre reinforced thermoplastic composites, aramid materials, polyimide materials, organosilicon materials, capacitor diaphragm materials and other high performance polymer materials for engineering applications.



Company History



2022

State Council SASAC section reform
Demonstration Enterprise



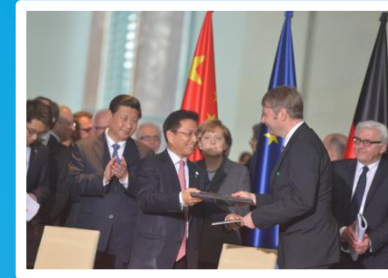
2021

Upgraded to become a
first-class subsidiary of Sinotruck



2014

Merger and acquisition
of BOGE, Germany



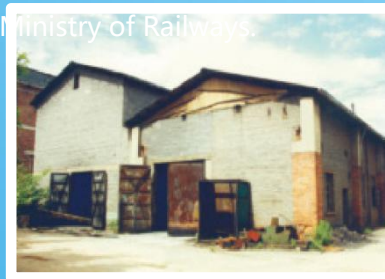
2011

Merger and acquisition of Delek



1984

The Rubber Laboratory of
Zhuzhou Institute of the former
Ministry of Railways.



1994

Established Zhuzhou Times
Rubber & Plastic Industry Co.



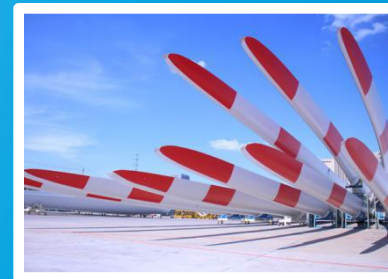
2002

Listed on the Shang
Stock Exchange



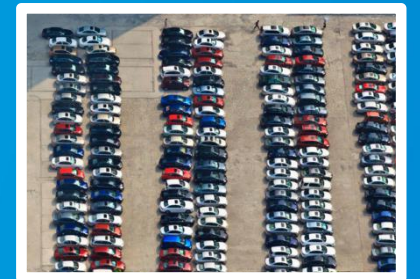
2006

Entering the wind
power sector



2007

Entering the
automotive sector



Company strategy and culture

Company Mission



Annual Honours

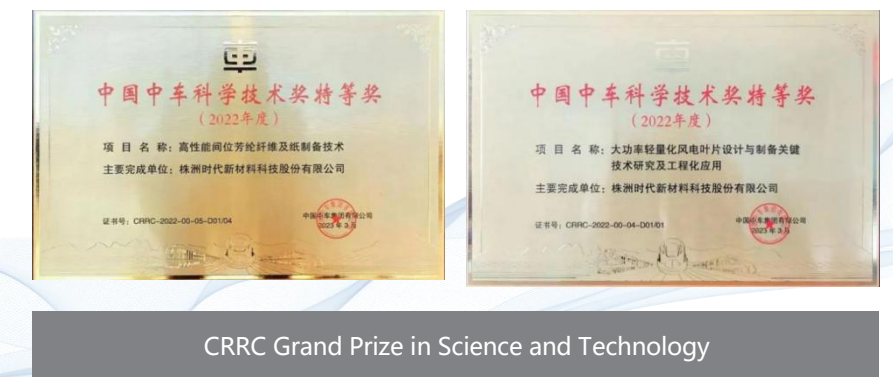
National level



Industry level



Corporation level

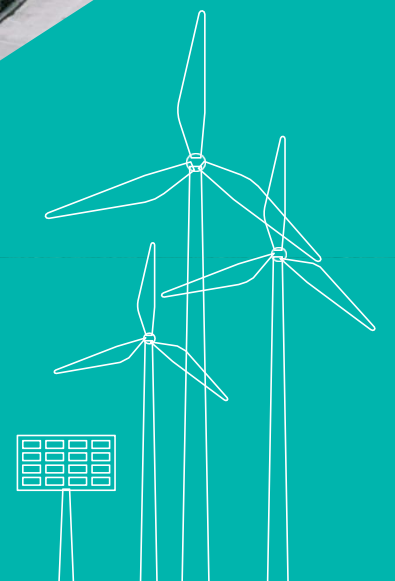


Provincial level



ESG Management

- ESG Working mechanisms
- Stakeholder communication
- Analysis of substantive issues



ESG Working mechanisms

Governance concept

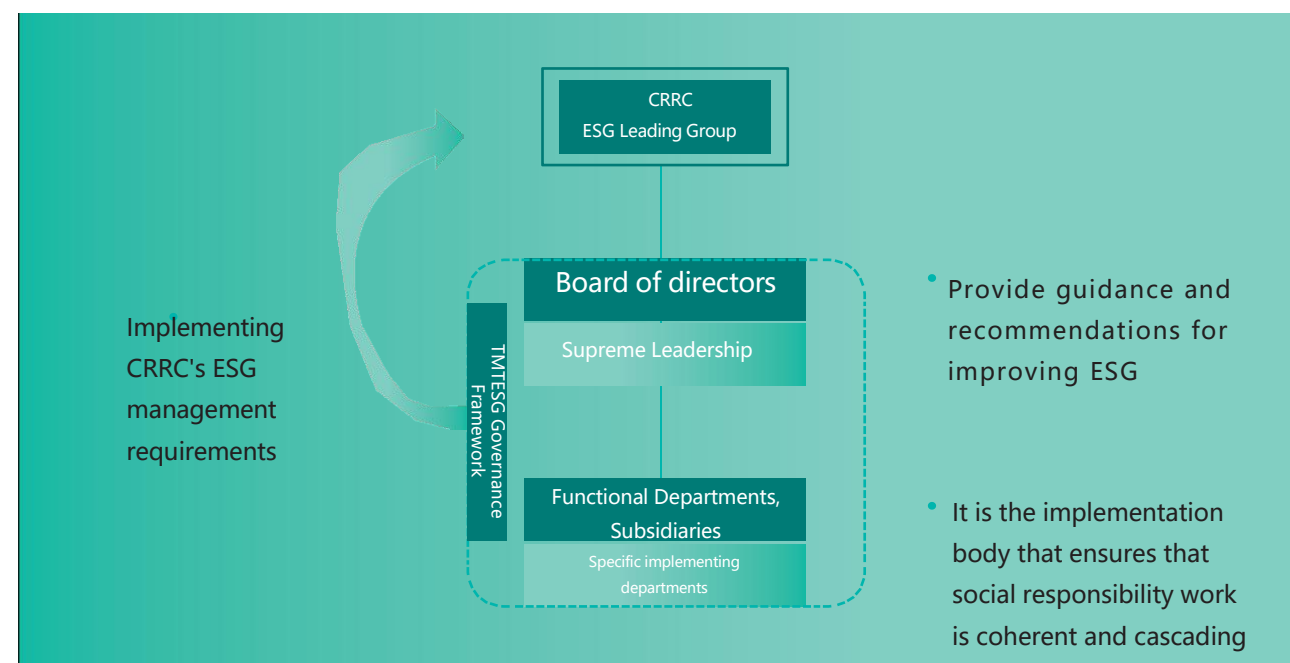
In order to achieve the goal of long-term sustainable development, TMT takes 'connecting the world for the benefit of mankind' as the mission of the company and continuously enhances the awareness of corporate social responsibility. The company attaches great importance to ESG management, continuously promotes the integration of the concept of social responsibility into corporate management, optimises the ESG management mode and continuously promotes ESG governance.

In order to obtain a more comprehensive evaluation of sustainability, the Company participated in the EcoVadis rating and was awarded the EcoVadis 'Bronze Medal' for its outstanding performance in sustainability.








ESG Governance Framework

TMT actively implements the ESG management requirements of China CNR and builds a top-to-bottom ESG management system, forming a governance structure with the board of directors as the supreme leading organ, and functional departments at the headquarters and subsidiaries as the specific execution departments.



Stakeholder communication

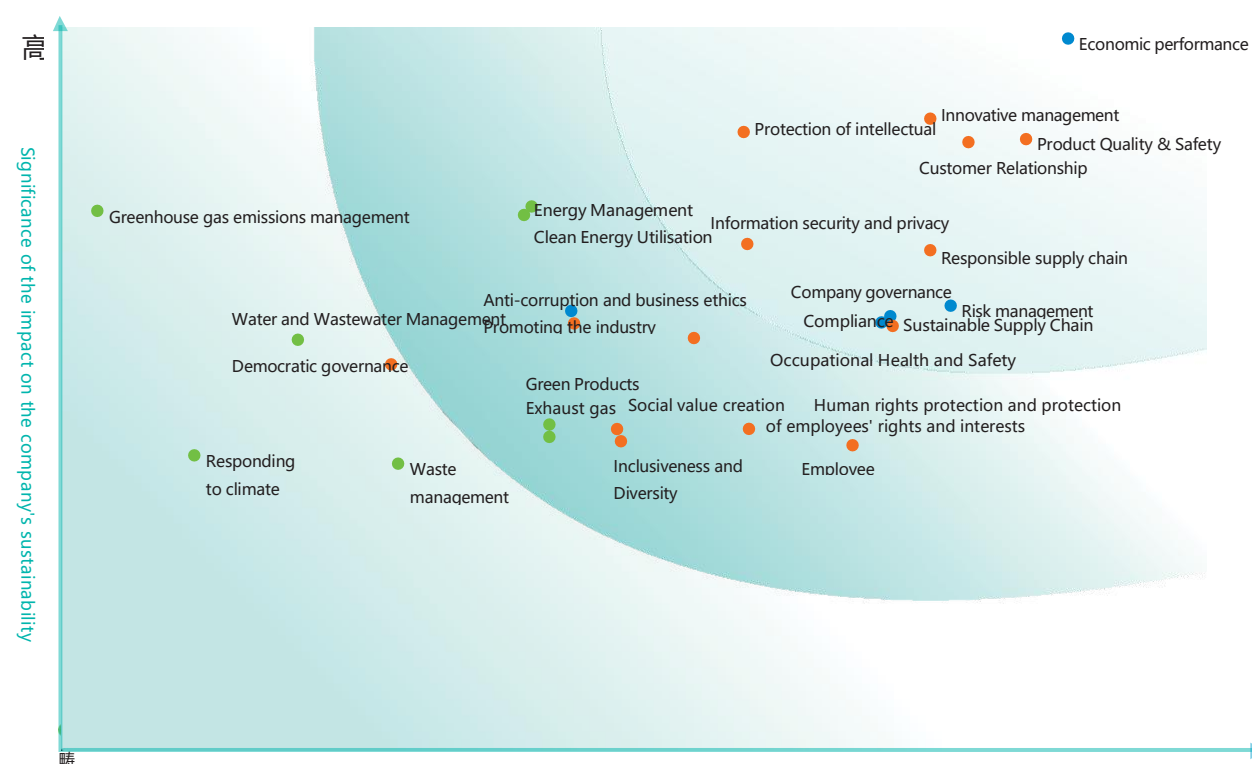
TMT takes the expectations of stakeholders as an important factor in social responsibility governance, takes the initiative to establish a smooth communication mechanism with all stakeholders, and carries out regular communication with all stakeholders through channels and methods such as promotional meetings, open days, roadshows and other on-line and off-line linkages, so as to fully understand the concerns of stakeholders and respond to their demands.

Stakeholder	Expectations and requirements	Response methods
 Government and regulatory agencies	<ul style="list-style-type: none"> • Legal and compliant operation • Ensure product quality • Implementation of energy saving and emission reduction tasks • Achieve value-added of state-owned assets • Promote technological progress • Serve the country and its people 	<ul style="list-style-type: none"> • Conscientiously implement national policies • Participate in the formulation of laws and regulations • Accept regulatory assessment • Communicate with local governments
 Investor	<ul style="list-style-type: none"> • Stable growth in investment returns • Stable operation • Open and transparent information 	<ul style="list-style-type: none"> • Improving profitability • Timely disclosure of information
 Customer	<ul style="list-style-type: none"> • Provide high quality products and services • Satisfy the diversified needs of customers • Creating value for customers 	<ul style="list-style-type: none"> • Company website • Visits and exchanges • Customer Satisfaction Survey • Company brochure
 Public	<ul style="list-style-type: none"> • Safe and reliable services • Increased operational transparency 	<ul style="list-style-type: none"> • Enhance service capabilities • Communicate and interact
 Employees	<ul style="list-style-type: none"> • Protecting employees' rights and interests • Protect occupational health • Enhancement of professional ability • Sound development channels • Balance work life 	<ul style="list-style-type: none"> • Factory Affairs • Management dialogue • Employee Congress • Employee satisfaction survey • Visits
 Suppliers and partners	<ul style="list-style-type: none"> • Open, fair and just procurement • Honouring the contract • Mutual benefit and win-win, long-term development 	<ul style="list-style-type: none"> • Cooperative R&D • Joint activities • Daily communication
 Peer and Industry Organisations	<ul style="list-style-type: none"> • Fair operation • Win-win co-operation • Promote the development of the industry 	<ul style="list-style-type: none"> • Industry Conferences • Association events • Seminars
 Communities	<ul style="list-style-type: none"> • Carrying out accurate poverty alleviation • Participate in community development • Support public welfare 	<ul style="list-style-type: none"> • Co-operation • Public welfare activities • Volunteer activities

Analysis of substantive issues

In order to better identify the ESG key issues related to the company's operations, TMT conducted research, identification, evaluation and screening of substantive issues, collected relevant opinions from internal and external stakeholders through questionnaires, and constructed a matrix for analysing the substantive issues in terms of 'the importance of the impact on the company's sustainable development' and 'the importance of the stakeholder's opinion' to evaluate and obtain the ranking results of the issues.

The collection of material issues of TMT involves the company's senior management, business segment leaders, employee representatives and 7 types of external stakeholders, and finally 11 highly important issues, 11 important issues and 5 relevant issues were identified. Based on the results of the analysis of the material issues, this report provides detailed disclosure of the highly important issues in response to the focus of internal and external concerns.



Topic Deepening 'Belt and Road' Construction Creating China's 'Golden Business Card'

2023 is the 10th anniversary of the joint construction of the "Belt and Road" initiative. As an important supplier of global rail transit equipment, TMT has significantly improved its competitiveness in overseas markets, adhered to open cooperation, bravely shouldered the responsibility of the "Belt and Road" construction, continued to expand and write "new stories", and is committed to creating China's "golden business card".

The company earnestly fulfills its responsibilities and mission as a central enterprise holding company, gives full play to the advantages of the company's products in the field of rail transit, actively participates in the "Belt and Road" overseas rail transit system construction project, and provides Chinese wisdom and Chinese solutions for the rapid development of rail transit in the world.

Combined with the actual needs of overseas local, TMT actively proposed Chinese-style system solutions, adhered to the implementation of the "three five" model, helped the local realization of localized manufacturing, and led the CRRC model to go abroad and go to the world.

An internationalisation strategy that combines all five elements

We implement the internationalisation strategy of 'product + technology + service + capital + management' to cultivate customers' dependence on the professionalism, technology and service of

Five models

In the localised operation, we have summarised the 'five models' of localised manufacturing, localised

Five steps hierarchy

Walking in, standing firm, settling in integrating and sharing.

Case European Region B23 Metro Platform Project

In March 2023, TMT successfully seized 100% market share of 10 kinds of suspension parts such as air springs for hybrid vehicles on B23 metro platform in European region, with a potential market capacity of more than 3,000 bogies and an order amount of nearly one hundred million yuan, and the acquisition of this project fully reflects the important position of TMT as a strategic supplier for customers in European region.



Case Regional Train Platform Norway Project



In April 2023, TMT successfully signed a long-term supply framework agreement with European customer for 200 trains of Norway regional train platform project, with the scope of supply covering the first and second series of suspension parts, and the total order amount is nearly RMB 50 million, realising a new breakthrough in Norwegian market, and becoming the customer's preferred core supplier in the platform project. With the further deepening of cooperation, the platform is expected to realise the new project batch order in the near future, which will help to build the 'One Belt, One Road' to go deeper and more practical.

Case PT KAI Composite Sleeper Project, Ministry of Railways, Indonesia

In June 2023, TMT successfully won the bidding of PT KAI composite rail sleeper project of Indonesia Ministry of Railways, realising the biggest breakthrough in the overseas market of the company's composite rail sleeper products. The successful acquisition of the project broke the situation that the product market had been monopolised by foreign competitors for a long time, and enhanced the international popularity of CRRC polymer track material products.

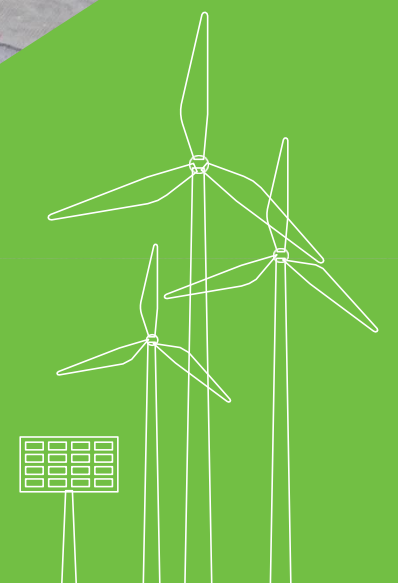




Environment part

Low-carbon new materials to protect the green future

- Combating Climate Change
- Environmental System Management
- Strengthening Pollution Management
- Reduce Resource Consumption
- Protecting Biodiversity
- Build green factories



Response to climate change

Unusual weather events brought about by climate change pose many risks and challenges to business development and human health. TMT attaches great importance to and evaluates the impacts, risks and opportunities brought about by climate change to the Company, and takes actions to mitigate and adapt to climate change to strengthen the Company's ability to respond to potential climate risks.

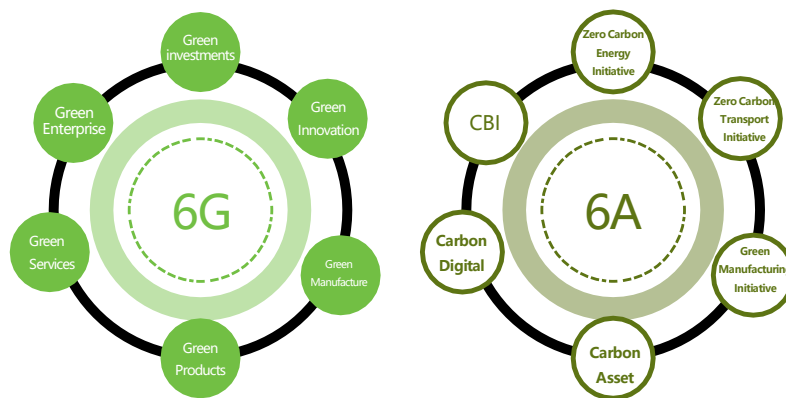
Climate governance

TMT has set up a dual-carbon work promotion office responsible for researching, deploying and promoting climate governance, improving the carbon emission control system, promoting the improvement of the carbon emission accounting system, and building a full-level carbon accounting team; and running the 'Carbon Intelligence Cloud Management and Control Platform of CRRC Energy' to comprehensively establish a top-down dual-carbon institutional management system.



Adhering to the concept of "6G", TMT is committed to building a green and sustainable ecological manufacturing system for the whole industrial chain, the whole value chain and the whole technology chain.

TMT pays attention to the development trend of emerging technologies, and actively explores and applies "carbon reduction, zero carbon and negative carbon" technologies such as renewable energy, carbon asset management and carbon storage, smart grid, etc. "6A" zero carbon action is the firm commitment and action criteria of Time New Material as a leader in green manufacturing in green manufacturing. We will continue to promote the implementation and improvement of this action plan. Continuously improve their own green manufacturing level and comprehensive competitiveness.



Strategic response

In accordance with the unified deployment of 'Carbon Peak and Carbon Neutral Action Programme of China CNR', TMT has scientifically formulated the 'Double Carbon' target of the enterprise by combining with the actual situation of the industry.

Effectiveness of action

By the end of 2023, the company has actively undertaken CRRC's dual-carbon strategy, fully implemented the requirements of the "CRRC Carbon Peak Carbon Neutral Action Plan" and other institutional documents, studied the standards in depth, and promoted the improvement of energy production process, green factory construction, and clean energy utilization; Comprehensively launch the company's double-carbon action, organize the company's carbon emission inventory, and set carbon emission reduction targets scientifically and reasonably; Formulate product carbon footprint accounting and product carbon reduction plans to promote the development of products to green and low-carbon; Start the construction of green supply chain on raw material side; Drive the carbon reduction of the whole industrial chain.

Impact, risk and opportunity management

Climate risk and opportunity categories	Potential impacts	Management or response strategies
Transformation risk	Policy and legal risks	<ul style="list-style-type: none"> Management paid attention to the update of climate change related policies and set carbon reduction targets. The company monitors greenhouse gas emissions in real time with the help of 'CRRC's Carbon Intelligence Cloud Control Platform'.
	Market risks	<ul style="list-style-type: none"> The company continues to promote the construction of green factories, and reduces carbon emissions through energy saving, green technological reforms, and the use of clean energy. The company is committed to designing and developing environment-friendly, green and low-carbon products, and increasing the R&D and manufacturing of wind power products.
	Reputational risk	<ul style="list-style-type: none"> Actively promote the green and low-carbon transformation of the company Enhance the transparency of information disclosure related to addressing climate change Maintain communication with stakeholders
Entity risk	Acute risks	<ul style="list-style-type: none"> Establishing and improving emergency response plans for natural disasters
	Chronic risk	<ul style="list-style-type: none"> Improve production process and effectively reduce heat loss and energy waste Explore the development and utilisation of non-traditional water resources such as water and rainwater
Market Opportunities	New opportunities from new infrastructure development	<ul style="list-style-type: none"> Taking advantage of our main business, we will provide Times New Materials with wisdom and solutions for the construction of a modern and high-quality three-dimensional transport network that is convenient and smooth, economically efficient, green and intensive, intelligent and advanced, safe and reliable.
	New Energy Markets Demand	<ul style="list-style-type: none"> Increase R&D efforts, expand production scale, and improve production efficiency to meet the growing market demand for renewable energy.

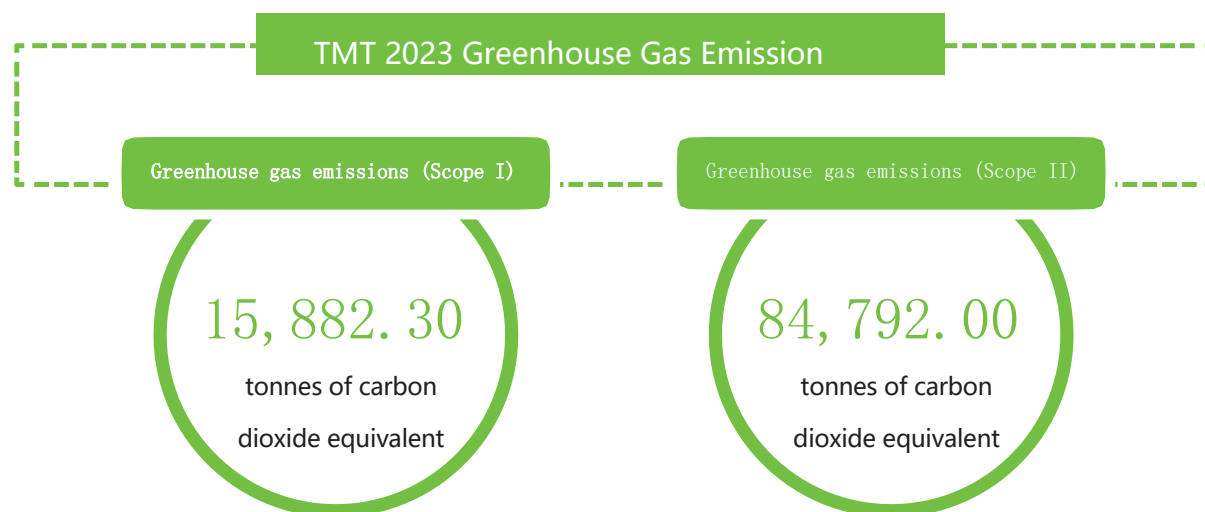
Indicators and targets

TMT has identified the sources of greenhouse gas emissions in accordance with ISO 14064-1 standards, and integrated the data from the carbon monitoring platform, and the company's carbon dioxide emissions for the year 2023:

2023

Total company Scope I and Scope II CO₂ emissions **100,674.30** tonnes of CO₂ equivalent

The greenhouse gas emissions from the production and operation of TMT mainly come from direct greenhouse gas emissions caused by the use of natural gas, diesel fuel and petrol, and indirect greenhouse gas emissions caused by purchased electricity and steam. The largest amount of emissions comes from the purchase of electricity, accounting for 84.22 per cent of total emissions.



Grasp the present and base on the long term. In the future, TMT will promote the development of Scope 3 greenhouse gas emission accounting, and launch forward-looking and challenging carbon neutral targets and planning programmes at the right time, to map out our net-zero targets and implementation paths, and to further demonstrate Times New Materials' firm determination to environmental protection and sustainability.



“3060”, “TMT” initiative

TMT insists on standardisation and regularisation of greenhouse gas emission statistics at the company level, continuously improves the level of greenhouse gas inventory compilation and data quality, and provides a data basis for the refined management of carbon emissions; it also carries out energy conservation and emission reduction work simultaneously, focuses on developing green and low-carbon technologies, increases investment in green and low-carbon work, and effectively shoulders the social responsibility of energy conservation, environmental protection and carbon reduction of the holding company of the central enterprise.

In 2023, based on the types of energy consumption and sources of greenhouse gas emissions, TMT will actively promote the implementation of energy saving and emission reduction projects, organise the formulation of energy efficiency optimisation plans, and take multiple measures to continuously reduce greenhouse gas emissions.

Key initiatives

- Through the greenhouse gas carbon inventory, the company carries out special training on the statistical accounting of carbon emission data of TMT, and formulates the direction and plan of energy management and emission reduction work.
- In 2023, the company facilitated the completion of carbon footprinting for 420F1 gas springs and 1010195 anti-roll torsion bar devices.
- The company has realised remote online monitoring of energy consumption in large manufacturing enterprises through the operation of the 'CRRC Carbon Intelligence Cloud Management and Control Platform'.
- The company has increased investment in renewable energy, promoted rooftop distributed photovoltaic projects, and made full use of the roof space of multiple plants, which has been accumulated. The 22 MW photovoltaic power generation equipment can generate 22 million KWH of electricity per year and reduce 12,600 tons of CO₂ emissions per year.
- The company continuously improves the product manufacturing process, digs deep into the clean technology and energy saving measures, reduces the production cost in the blade process energy-saving projects, production management optimisation energy-saving projects, energy-saving renovation of the main energy-using equipment, energy-saving renovation of auxiliary equipment, etc., and reduces the heat loss effectively.

Reporting period	
Company identifies equipment energy retrofit	Reduction of CO ₂ emissions by more than 5,000 tonnes
Energy saving potential projects such as process improvements	
63 items	

Key initiatives

06

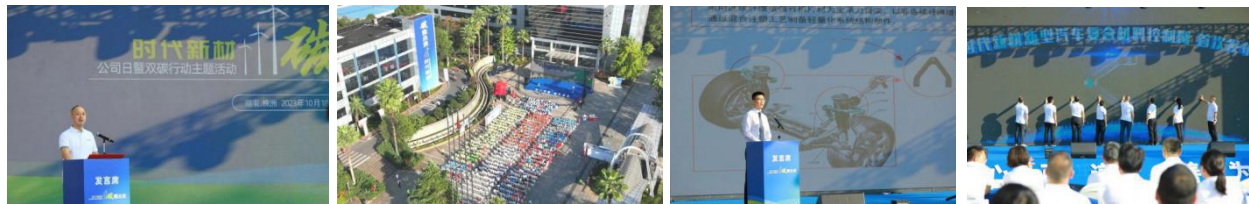
Through a variety of environmental protection publicity and training activities, the company continuously raises employees' awareness of carbon saving and reduction.

- ◆ All offices, meeting rooms, corridors and other areas make full use of natural light.
- ◆ The air-conditioning temperature of the office building is not lower than 26 °C in summer and not higher than 24°C in winter.
- ◆ Reduce the standby time of office equipment.
- ◆ Strengthen the inspection of water supply equipment and pipes, and repair or replace old equipment in time.
- ◆ Post water-saving signs.
- ◆ Meetings and group activities advocate participants to bring their own water cups to reduce waste.
- ◆ Clear standards for necessary consumables such as paper and pens, promote double-sided paper use, and reduce paper consumption.
- ◆ Implement networked office, use OA system and medium such as 'CRRC Tong' to carry out work communication.
- ◆ Strengthen the management of vehicle oil consumption and strictly control the number of official car trips.
- ◆ Encourage employees to travel green and reduce carbon emission.

Case TMT Company Day and Double Carbon Action Theme Activity

In October 2023, TMT held the second company day of 'Carbon' for the future and the theme activity of double carbon action, which was attended by more than 2,000 people.

On the site of the activity, the company displayed the 'TMT 2023 Carbon Reduction Report Card', and also formally inaugurated the '150-metre-class super-large offshore blade production base' of the Wind Power Products Business Unit.



Environmental system management

Environmental Management System

Taking into account the actual situation of the company, TMT has established a number of environmental and energy management systems, such as 'Measures for Environmental Management', 'Measures for Environmental Protection Responsibility', 'Measures for Energy Saving and Emission Reduction Target Responsibility', 'Energy Management System Manual', etc., and has successfully passed the certifications of ISO 14001 environmental management system and ISO 50001 energy management system. In 2023, the Company did not have any major violations and environmental accidents.



Environmental emergency management

TMT prepares the 'Emergency Response Plan for Environmental Emergencies' and organises annual drills for emergency response to environmental emergencies and special disposal plans, as well as online question-and-answer competitions on emergency environmental protection knowledge, to strengthen the employees' ability to respond to environmental risks.

Environmental Emergency Response Capacity Building Performance 2023

Organisation of chemical material leakage accidents
Hazardous waste leakage accidents
Failure of waste gas treatment facilities
Emergency drills for wastewater treatment facility failures, etc.

43 times
1,810 people participate

Emergency Environmental Protection Knowledge Contest

835 people participate



TMT organises annual training on environmental protection for all departments, of which 7,392 people will be trained in 2023. When employees join the company, the company organises environmental guidelines and policies and carries out environmental training on a regular basis. The company does a good job of waste classification and strictly distinguishes between recyclable, non-recyclable and hazardous wastes.

We also actively participate in community environmental protection publicity and practice activities to care for the beautiful earth on which we depend.

In 2021

Total number of environmental training
8,237

In 2022

Total number of environmental training
7,078

In 2023

Total number of environmental training
7,392



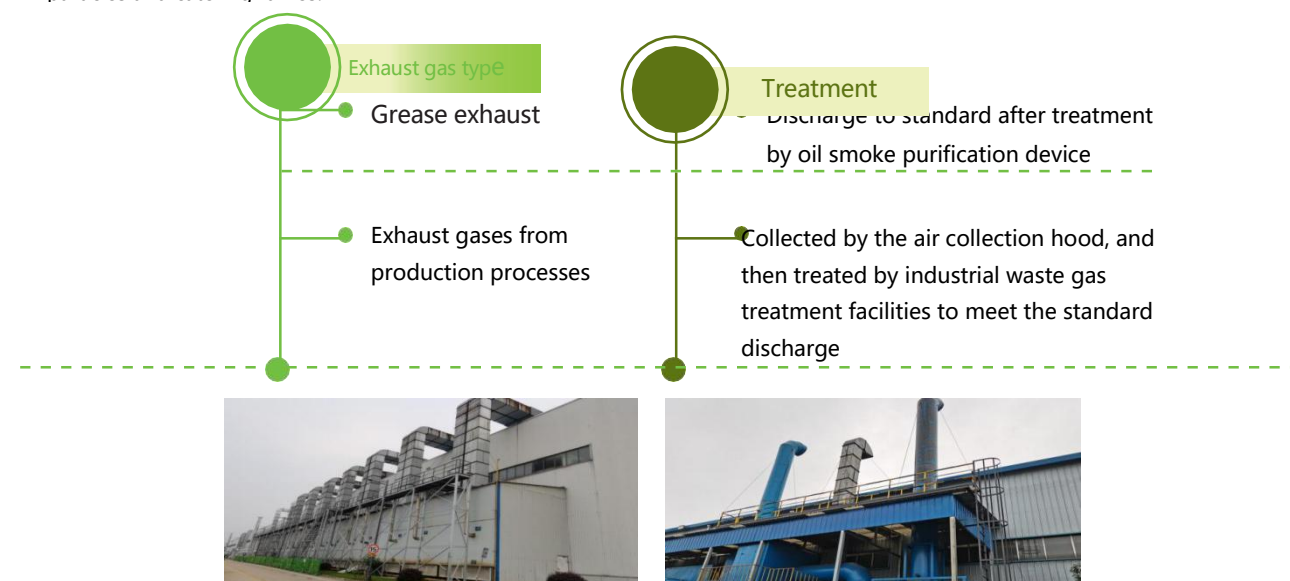
Enhance pollution management

TMT has upgraded its pollution control facilities to improve the efficiency of pollutant control, promote green development of pollution reduction and carbon reduction, and realise efficient use of resources. All kinds of pollutants in the company have been emitted steadily for a long time, and in the past three years, the company has achieved the 'double-zero' goal of zero environmental pollution incidents and zero penalties for environmental offences.

Air emissions management

As a manufacturing enterprise, Times New Material strictly abides by the 'Law of the People's Republic of China on Prevention and Control of Air Pollution', 'Boiler Air Pollutant Emission Standards', 'Comprehensive Emission Standards for Air Pollutants', 'Volatile Organic Compounds Unorganised Emission Control Standards', etc., and has always been adhering to the strategic policy of 'protection first and prevention first', and has been actively carrying out the control of waste gas emission in a comprehensive way. The management of waste gas emission is actively and comprehensively carried out.

TMT carries out sampling and monitoring of exhaust gas in accordance with the Technical Specification for Monitoring of Exhaust Gas from Fixed Sources to ensure the timeliness and accuracy of the environmental testing results. The main air pollutants emitted by the company in its operation and production include nitrogen oxides, volatile organic compounds, dust particles and catering fumes.



Key performance of air pollutant

In 2023

Volatile organic compounds emissions

140.52 ton

Nitrogen oxide emissions

6.82 ton

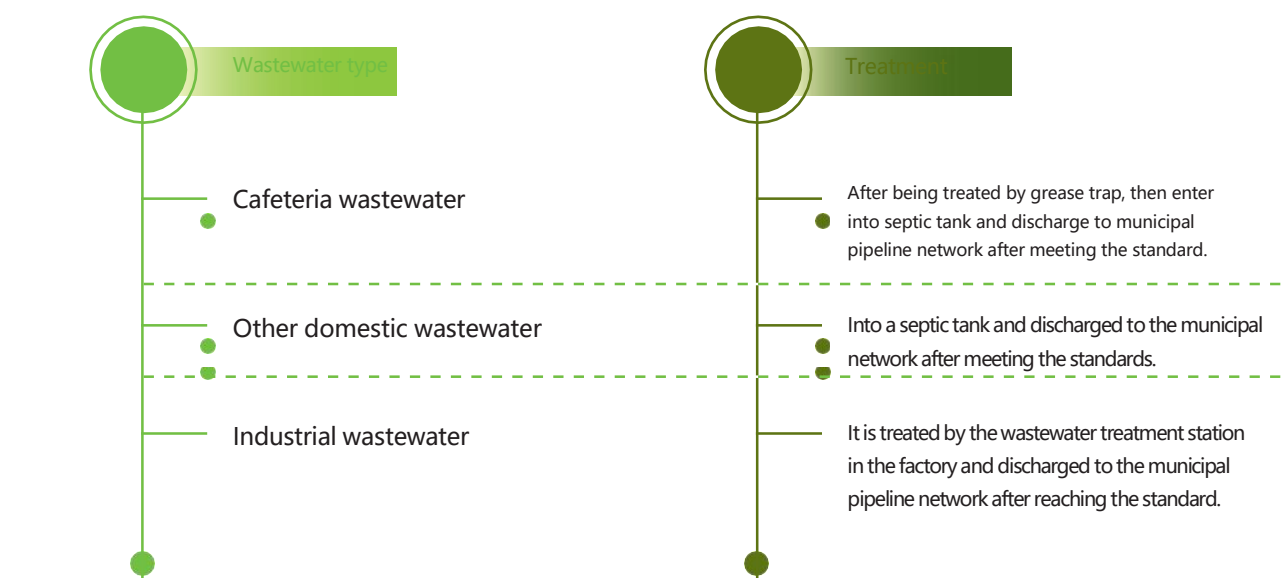
Dust emissions

18.06 ton

- Scope of the company's exhaust gas statistics Volatile Organic Compounds (VOC) emissions, Nitrogen Oxides (NOx) emissions
- The above statistics do not include New Materials Germany (BOGE), Burgo Wuxi, Burgo Shanghai and Burgo Zhuzhou.

Integrated wastewater management

TMT complies with the national 'Comprehensive Wastewater Discharge Standards', continuously strengthens wastewater discharge management, implements efficient wastewater treatment technologies and maintains wastewater discharge compliance.



Wastewater discharge key performance

In 2023

Total wastewater discharge

692,178.16 ton

Domestic wastewater discharge

386,736.46 ton

Industrial wastewater discharge

305,441.70 ton

Ammonia emissior

3.46 ton

Chemical Oxygen Demand COD emission

34.60 ton

Wastewater discharge density

39.47 ton / Million Dollar Reve

- Industrial wastewater emissions include ammonia nitrogen emissions and chemical oxygen demand COD emissions.
- The above statistics do not include New Materials Germany (BOGE), BOGE Wuxi, BOGE Shanghai and BOGE Zhuzhou.

Solid waste treatment

The non-hazardous waste generated by TMT mainly includes waste metal edges, waste equipment parts, etc., which are mostly reused in the plant or handed over to suppliers for centralised recycling. Domestic wastes are then transported and disposed of by the sanitation authorities in the locations where the operations are carried out.

For hazardous waste disposal, the Company regularly audits the qualifications and technical capabilities of qualified third-party suppliers and continuously improves the standardised management of hazardous waste. We conduct daily inspections of hazardous waste temporary storage rooms in accordance with the ‘Management Measures for the Transfer of Hazardous Wastes’ to remove potential safety hazards in a timely manner and ensure that hazardous wastes are handled in a compliant and safe manner.

In addition to strictly adhering to the principle of ‘minimisation, harmlessness and resourcefulness’ in solid waste treatment, the Company is also actively exploring digital management and upgrading of waste treatment. By 2023, each of its subsidiaries will carry out intelligent management of the whole life cycle of waste through projects such as intelligent waste networking, so as to promote strong waste management and low emissions.

Sheyang plant hazardous waste management upgrade

Through the ‘Hazardous Waste Networking + Construction Project’, the Sheyang plant has installed additional weighing equipment, monitoring system and automatic marking printing equipment to significantly improve the management efficiency of the hazardous waste warehouse.

Expansion of hazardous waste storage site at Power Valley plant

The Power Valley plant has implemented a project to expand the hazardous waste storage site in the park to ensure that the company meets the standard requirements of ‘zoned and classified storage, wind, rain and seepage prevention and organic waste gas collection and management’.

Key performance on waste emissions

In 2023

Total waste emissions

7,156.43ton

Non-hazardous waste emissions

4,526.12ton

Hazardous waste emissions

2,630.31ton

Waste emission intensity

0.41 ton / Million
Dollar Revenue

The above statistics do not include New Materials Germany (BOGE), BOGE Wuxi, BOGE Shanghai and BOGE Zhuzhou.

Reduction of resource consumption

TMT strictly abides by the Energy Law of the People's Republic of China, the Energy Conservation Law of the People's Republic of China and other national laws and regulations, and is committed to the research and development of green products and the promotion of low-carbon technologies. The company optimises its energy structure, initially establishes a green manufacturing system and an energy-carbon management system, builds a digital control platform and improves the efficiency of resource and

Energy management

TMT vigorously promotes the construction of electrification of energy use, carries out monitoring and evaluation of green energy use, and increases the construction of energy management and control centre. 2023, the Company will optimize the energy online system, access the subsidiaries in other places, gradually realize the three-tier energy consumption monitoring, and realize the digital, informative, and intelligent online monitoring and data collection.

Energy consumption key performance

In 2023

Diesel consumption

798,320.00 Kg

Gasoline consumption

148,392.00 Kg

Natural gas consumption

853.04 cubic metre

Purchased electricity usage

143,830.70 MWh

Purchased steam usage

12,331.20Tw

Combined energy
consumption

32,322.73 Tonnes
of standard coal

Combined energy intensity

1.84 Tonnes of standard coal /
million dollars of revenue

Note: The Company's consolidated energy consumption is accounted for in accordance with the conversion factors of the General Rules for Calculating Consolidated Energy Consumption (GB/T2589-2020), a national standard of the People's Republic of China.

Water management

TMT strictly abides by the Water Law of the People's Republic of China and relevant water resources protection regulations, and actively implements the National Water Conservation Action Programme. While protecting the ecology of water sources, the company attaches importance to the prevention and control of water pollution and the recycling of water resources. Through strengthening water management, adopting advanced water conservation and wastewater reuse technologies, and exploring the development of water and rainwater reuse, the company minimises the consumption and waste of water resources. The company regularly inspects and maintains the water equipment and promptly reports any leakage. The company establishes a correct concept of water conservation within the enterprise, and encourages all employees to develop good habits of water conservation.

water usage

In 2023

Total water consumption

1,288,628ton

Water intensity

73.48 Tonnes /

\$million revenue

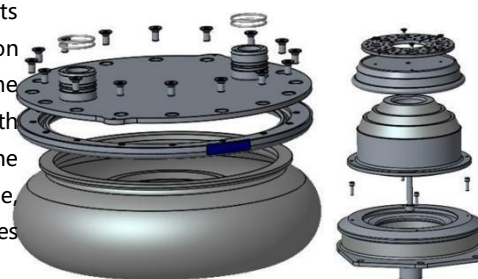
circular economy

TMT actively implements the '14th Five-Year Plan for Circular Economy Development' issued by the National Development and Reform Commission, and is committed to integrating the concepts of circular economy and recycling into all aspects of product design, R&D, production and promotion. The company gives full consideration to the life cycle and reusability of the products during the research and development, and focuses on the modular design of the products, so that the products can be conveniently dismantled and recycled at the end of their service life.

01 Recyclable raw materials

Case: Recycling of non-sulphurised metal parts products

TMT achieves the recycling of non-sulphide metal parts through the development of reasonable recycling and inspection standards, reducing the cost of the product and reducing the carbon emissions of individual air springs by 30%. Compared with making new skeletons, using recycled metal skeletons in the production process reduces energy consumption. For example, the use of recycled iron parts in the 420F1 auxiliary spring reduces raw material consumption by 122kg per part.



420F1 辅助簧

02 Recycled Shared Packaging



TMT pays special attention to the recycling of packaging boxes, and works closely with suppliers and customers to establish a system of recycling and reuse of packaging boxes. During the reporting period, Times New Materials and its industrial chain enterprises used a total of 10,345 recycled boxes, saving a total of 479.10 cubic metres of plywood materials.

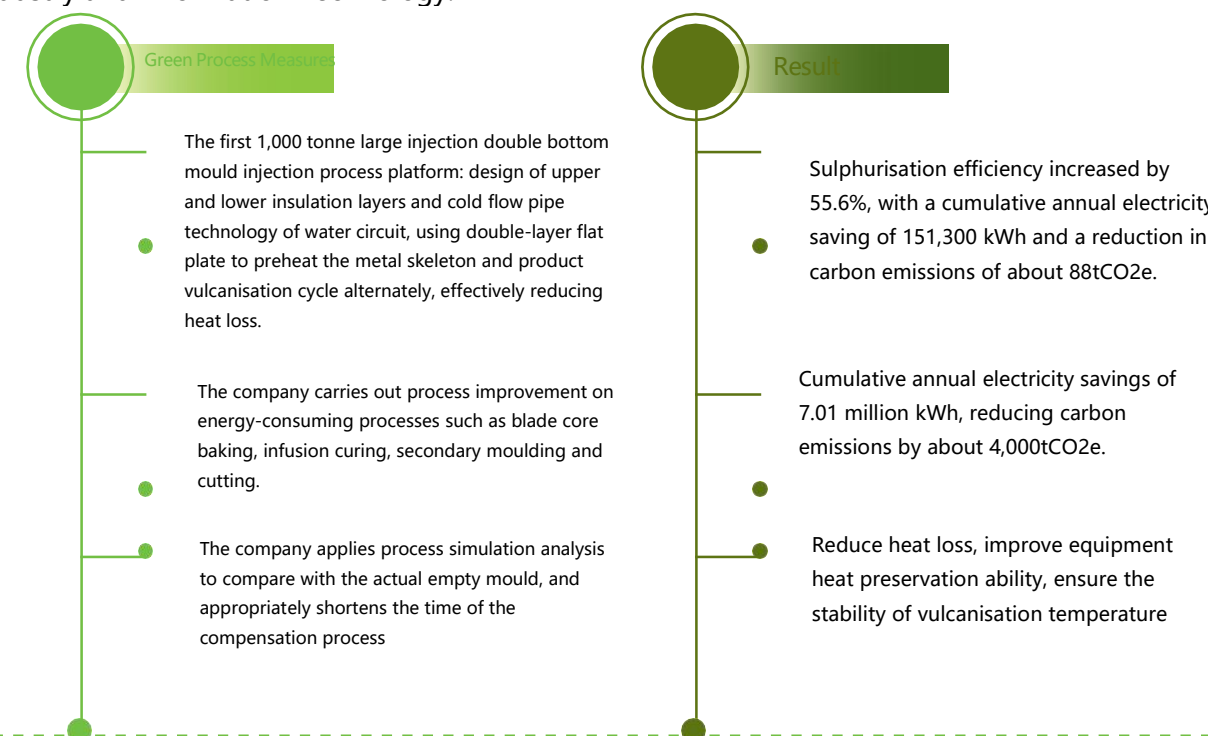
Conservation of biodiversity

TMT has been a strong supporter of global initiatives such as the United Nations 2030 Agenda for Sustainable Development and the Convention on Biological Diversity, and has been actively implementing the Opinions on Further Strengthening Biodiversity Conservation put forward by the Chinese government. We firmly believe in the concept of 'respecting nature, adapting to nature, and protecting nature', and implement it into practical actions.

TMT has conducted risk assessment and formulated relevant preventive and control measures on the impact of wastewater, exhaust gas, noise emission and unintentionally and naturally introduced invasive alien organisms on the biodiversity around the site during the production and operation process. In addition, the company carries out special environmental protection inspections on enterprises in the Yangtze River and Yellow River Basin, strengthens ecological and environmental risk control, and demonstrates the company's responsibility and commitment in protecting and repairing the ecological environment of the Yangtze River and the Yellow River.

Building a Green Factory

TMT will strictly abide by the Cleaner Production Promotion Law of the People's Republic of China and various local laws and regulations, actively respond to the CRRC Green Low-Carbon Proposal, and guide its affiliated enterprises to continuously optimize the production management system according to their own business conditions. In addition, we continue to improve the standards and requirements of manufacturing processes, clean technology and energy conservation to promote the company's green and low-carbon development goals. TMT reduces production costs and improves product quality by building green factories; At the end of 2022, the company was awarded the fifth batch of national green factories by the Ministry of Industry and Information Technology.





Social part
Responsible TMT
Creating a Harmonious Time

- R&D Innovation
- Quality Management
- Customer Service
- Supplier Management
- Industry Chain
- Management and Industry
- Co-operation
- Employee Rights
- Digital Construction
- Strategy Public Interest

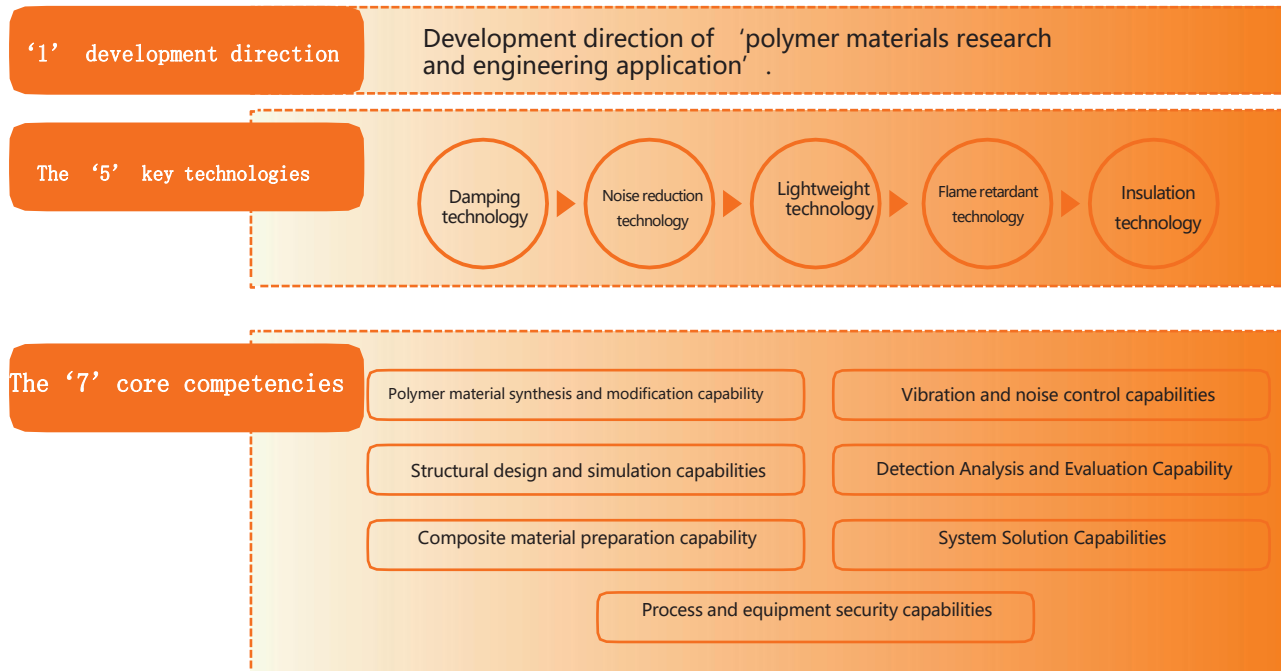


R&D Innovation

Focusing on the "four aspects", TMT always adheres to the lead of science and technology, driven by innovation, adhering to the original intention of "a major country and an industrial engine", takes scientific and technological innovation as the core engine of high-quality development, increases investment in scientific and technological research and development, actively introduces advanced technology and talents from home and abroad, deeply participates in industry-university-research cooperation, and attaches importance to intellectual property protection. Continuously strengthen their own research and development strength and innovation ability.

R&D Innovation System

TMT focuses on the research and application of polymer materials, and further builds the 'one, five, seven' technology system, which provides strong support for the company's development in rail transport, wind power generation, industrial engineering, automotive, special equipment and other industries.



The company increases investment in science and technology research and development, and actively promotes the construction of scientific and technological innovation and research and development platforms

In 2023



Total company R&D investment

88,289.21 ten thousand yuan

Percentage of main operating income

5.03 %

By the end of 2023

The company has a national innovation platform

3

Provincial technological innovation platform

2

Overseas R&D Centres

1

Subsidiaries were approved as 'small giants' of national speciality and innovation.

6

Approved as 'Hunan Provincial Enterprise Technology Centre' for its shareholding or holding company.

6



Hunan New Materials Pilot Platform



Platform 'Home for Science and Technology Workers'

Innovative research and development initiatives

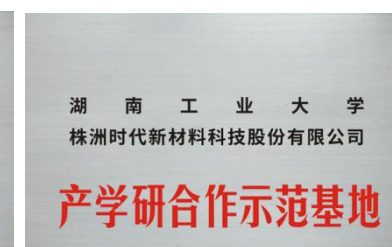
Innovative R&D mechanisms

The company has established a perfect innovation incentive mechanism, fully mobilise the enthusiasm of R&D personnel, stimulate the innovation power of R&D personnel, promote the transformation of scientific and technological achievements, and actively explore the ways to carry out major scientific and technological projects, stimulate the internal vitality to the maximum extent possible, and enhance the company's overall technical level, management level, and market competitiveness.

Innovative Talent Cultivation

In order to ensure the core technology research capability of the R&D team and promote continuous product innovation, the Company has continuously optimised the talent cultivation system and nurtured a team of outstanding talents with innovative thinking and professional skills. As of the end of 2023, the Company had a total of 2,543 R&D personnel, a year-on-year increase of 6.98%, providing a constant impetus for scientific research and innovation to help the Company's sustainable development.

The Company will continue to deepen industry-academia-research and actively participate in the cooperation with industry associations to promote scientific innovation and talent cultivation, so as to achieve a win-win situation.



Case The company set up a 'home for science and technology workers'.

In October 2023, TMT and CRRC Urban Transportation Planning and Design Institute Co., Ltd. held the unveiling ceremony of the rail system Technology Research and development Center in Nanjing, which will fully implement the systematic optimization of the medium and low volume rail structure and the development of new materials, strengthen the empowerment of scientific and technological innovation, enhance the transformation of innovation achievements, and help the CRRC "system + " strategy



Case Co-establishment of Railway System Technology R&D Centre

In October 2023, Time New Materials and CRRC Urban Transportation Planning and Design Research Institute Co., Ltd. held the unveiling ceremony of the rail system technology Research and development Center in Nanjing, which will fully implement the systematic optimization of the medium and low volume rail structure and the development of new materials, strengthen the empowerment of scientific and technological innovation, enhance the transformation of innovation achievements, and help CRRC land the



Case The company signed a contract with the State Key Laboratory of Southwest



In March 2023, TMT and Southwest Jiaotong University signed the 'Railway Vibration and Noise Reduction Technology Cooperation Agreement', in which the two parties will carry out joint R&D and technology transfer on the product side to promote the landing of the products, and make solid progress on the talent training side to collaborate in educating and improving the quality of talent training.

Innovations

Innovative products

By strengthening scientific and technological innovation, continuously launching new technologies and products, consolidating established advantages, facing high-end substitution, laying out cutting-edge technologies, and keeping up with the international development trend, TMT is poised to build a curator of original technologies for advanced polymer materials.

Case New Material Products

The company's 'high-performance aramid insulating paper key technology and industrialisation project' The project focuses on solving technical problems such as net forming and high-temperature roll pressing, and realises the substitution of key materials in the field of rail transportation by localization. The product won the first prize in the semi-final and the third prize in the grand final of the 12th China Innovation and Entrepreneurship Competition for Railway Transportation Industry



Case Wind power vibration damping



In April 2023, the company independently developed the hydraulic support for gearboxes and successfully completed the installation. This is the largest diameter gearbox hydraulic support in the field of wind power vibration damping in the world, marking that TMT has fully mastered the large megawatt wind turbine vibration damping technology to reach the world's leading level.

Case Wind Turbine Blade Sector R&D Products

In 2023, TMT developed the world's first and longest onshore blade - the 230 onshore wind blade - and the world's first recyclable thermoset resin blade, the TMT86A, which was successfully applied.



Intellectual Property Management

As a national intellectual property model enterprise, TMT respects and attaches importance to the management and maintenance of intellectual property rights, focusing on the protection and application of high-value patents. The company abides by the Patent Law of the People's Republic of China and other laws and regulations, and has formulated the Measures for the Management of Intellectual Property Rights and other systems, and continues to strengthen the standardisation and standardisation of intellectual property rights in the areas of application and establishment, maintenance and management, protection and application, assessment and rewards and punishment, as well as training and publicity.2023, BOGE Rubber & Plastics (Zhuzhou) Co., Ltd. declared itself to be a National Intellectual Property Advantageous Enterprise, and has been

	New for the current period		Cumulative number	
	NO. of requests	No. Of Acquisition	NO. of requests	No. Of Acquisition
Patents for inventions	267	155	2,436	1,263
Utility model patents	69	69	957	957
Design Patents	2	2	62	62
Software copyrights	3	3	12	12
Total	341	229	3,467	2,294

Standard setting

As a leading enterprise in the industry, Times New Materials actively undertakes the responsibility for the development of the industry, participates in the formulation of industry standards, and accelerates the deep integration of innovative technology and the industry while continuously improving the influence of the industry, and is committed to promoting the high-quality development of the industry.

By the end of 2023

The company has presided over and participated in the domestic and international standards	International standard	National standard	Industry standard
62	5	26	31
	Hosted 4 Participated in 1	Hosted 3 Participation 2	Hosted 4 Participation 27
The company won the second prize of China Standard Innovation Contribution			

Standard number	Standard Name	Standard Grade
ISO 22749-1:2021	Railway applications-Rubber suspension components-Part 1: Characteristics and test methods for rubber and rubber to metal parts	IS
ISO 22749-2:2021	Railway applications—Rubber suspension components—Part 2: Approval procedure and quality monitoring	IS
IEC 62621:2011	Railway applications-Fixed installations-Electric traction-Specific requirements for composite insulators used for overhead contact line systems	IS
IEC 62724:2013	Railway applications-Fixed installations-Electric traction-Insulating synthetic rope assemblies for support of overhead contact lines	IS
GB/T 33096-2016	General Technical Conditions for Rubber Elastic Components for Wind Turbines	IS
GB/T 36375-2018	General Technical Conditions for Rubber Springs for Railway Traffic	IS
GB/T 25384-2018	Full-size structural testing of wind turbine blades for wind turbines	IS
JT/T 926-2014	Viscous fluid dampers for bridges	Industry standard
TB/T 2843-2015	General Technical Conditions for Rubber Elastic Components for Rolling Stock	Industry standard
TB/T 3545-2019	Rubber parts for locomotive suspension	Industry standard
TB/T 2841-2019	Air Springs for Railway Vehicles	Industry standard
TB/T 3285-2019	Anti-roll torsion bars for rolling stock	Industry standard

Quality management

Product quality is a prerequisite for enterprises to achieve sustained, stable and healthy development, and good product quality is the primary task of the company's production and operation, the company adheres to the principle of 'quality always comes first', and requires all staff to pay attention to the quality of products and quality of work, and participate in continuous improvement.

QM system

The company has established a sound, systematic, safe and reliable quality assurance system, covering the company's rail transit, industrial and engineering, wind power generation, automotive parts, new materials and other industrial fields, and has obtained ISO9001, ISO/TS22163, IATF16949, CRCC, AS9100, AAR, DIN6701 and other quality system certifications.



QM measures

In 2023, the Company's quality work closely centred on the Company's '14th Five-Year Plan' high-quality development strategy, based on the quality management positioning of 'strong quality, winning quality', and constantly explored and innovated, and achieved successes in quality management and application of quality technology, continuing to escort the Company's high-quality development and laying a quality foundation for the Company's sound operation. The company's high-quality development escort, for the company's sound operation to lay a quality foundation.

1+X QM model

The '1+X Quality Management Model' is a quality management mechanism and model that strengthens top-level planning, close cooperation and efficient synergy, i.e. 'the headquarter of the company coordinates the company's overall quality management development strategy and policy, and the business divisions or molecular companies make decisions on their own and operate efficiently in their day-to-day quality work'. management mechanism and mode.

17 external awards or honours in 2023.

China Quality Association Quality Technology Award 1

1 First Prize and 1 Best Publication Award in Hunan Quality Innovation Competition

1 Second Prize of Management Innovation Achievement in National

3 excellent cases of reliability improvement of Ministry
of Industry and Information Technology

9 provincial excellent QC improvement achievements



Pass rate for external quality sampling Quality qualification and certification pass rate

100%

100%

Preventive quality control

For the physical quality of products, the company continues to build a three-level preventive physical quality control mechanism of "headquarters function + business unit function + factory", deeply combing, streamlining and optimizing the quality management process and integrating it with the business process, taking the risk-based thinking, process methods and understanding and application of quality management standards as an opportunity, and taking quality planning and quality review as a means. Promote the implementation of preventive quality control mechanisms.

Lifecycle Quality Control

The company implements quality planning, quality assurance and quality control measures for the whole product life cycle, strengthens quality control and assurance in the whole product life cycle from design and development, raw material procurement and acceptance, production process control, delivery and service, and enhances the product quality and quality service, which has been recognised and praised by the customers, the industry and the third party.

Digital Quality Management

The Company promotes the digitalisation of quality management, with digital empowerment of quality management as the core, organises the formulation of the implementation plan for the digitalisation of quality management; organises the digital transformation of quality and the construction of the QMS platform; implements the industrial digitalisation work arrangement, carries out the work related to the digitalisation of quality management, and assesses the content of the digitalisation of quality management of subsidiaries.

Quality accountability mechanism

The company has formulated the Measures for the Management of Graded Disposal and Liability Investigation of Product Quality Problems, which specifies the levels of negative incidents caused by products or services and corresponding disposal requirements, including the problem handling rules of different disposal response levels, requirements for emergency disposal measures and subsequent liability investigation requirements, so as to ensure that negative incidents are properly handled and reduce the negative impact on the

Quality improvement action

The company continues to promote special quality key research projects, involving many aspects from technological breakthrough to management innovation to standardized application, and gradually promote the internal quality management efficiency, and simultaneously improve the quality of product delivery. We continue to carry out research, application and promotion of advanced quality management technologies such as reliability technology research, product life acceleration test research, fault predictive technology research.

In order to continue to promote product physical quality control and pass rate level, the company organized and carried out 10 special quality key research projects during the reporting period, of which 9 have reached the target and 1 continues to improve. Organized the review of company quality project completion, completed 20 items, and postponed 1 item; 2 new CRRC quality projects, 18 company-level projects; Regular project phase inspection work is organized. The 18 improvement

Quality culture

The company implements the "Quality Month" activity, and cultivates a quality culture with full participation through QC group activities, quality cases, micro-innovation activities, training and other forms.

QC and micro-innovation quality improvement activities

registration	completion	completion rate	Achieving improvement gains
48	45	93.8 %	300 ten thousand yuan



The Company was awarded 'Hunan Province Manufacturing Quality Benchmarking Enterprise' in 2023.

Reliability case won the Ministry of Industry and Information Technology Reliability

3

Management Innovation Achievements Won Second Prize of National Transportation Industry Management Innovation Achievements

1

Quality Achievement Wins China Quality Association Quality Technology Award

2

Quality Innovation Achievements won the First Prize and Best Publication Award in Hunan Quality Innovation Competition.

2

Case QC First prize for the group

TMT Quality Innovation Team won the First Prize of Team Achievements in the 44th QC Quality Management Team Achievements Exchange Meeting in Hunan Province, and 'Enhancement of Pass Rate of One-time Delivery Inspection of G5 Gauge Stopper' enhanced the pass rate of one-time delivery inspection of G5 gauge stopper from 94.01% to 99.17% by virtue of innovative methods and excellent work results, and saved the turnaround time of the work process by 2,049 hours.



Service offerings and tools and methodologies

Services	Tools / Methods	Feature
Service Technical Support	Dynamic management of after-sales service; preventive census of high-risk and key products	After-sales, inspection, process, and technical personnel to major customers on a regular basis to assist duty rotation, rapid treatment of on-site quality issues
Service Parts	Core product lists for major customers compiled	Facilitates rapid on-site problem solving by on-site personnel
Training and counselling	Team service, on-site guidance, technical	Establishment of cross-departmental after-sales service system, on-site after-sales service and technical exchanges
Customer feedback and processing	Systematisation of the customer complaint handling process in the form of '8D'	Continuous internal rectification

Customer Complaint Handling

The company has formulated 'Customer Complaint Handling Control Procedures', which specifies the detailed customer complaint and handling process. When a customer complaint occurs, the after-sales service team promptly arranges personnel to carry out special tracking and processing of customer complaint events, understands customer needs in detail, organises relevant departments to take measures to respond to customer needs in a timely manner, ensures that customer complaints are efficiently resolved, and at the same time internally, according to the customer's feedback, continuously improves to realise the common development of the company and the customer.

Customer Complaint Handling Process



Customer Satisfaction Survey

The company regularly conducts customer satisfaction surveys, listens to customers' voices, and organises special enhancement work for the problems fed back from customer satisfaction surveys, so as to continuously improve customer satisfaction.

The company changes 'fire-fighting' to 'fire prevention', increases the investment of resources required for customer service, sets up after-sales service professional team, standardises the after-sales service process, compiles the 'Product Service Manual', and provides customers with services mainly including service technical support, replacement of faulty parts, product parts service and feedback and treatment of customer problems, and has achieved good results in customer service. The service items provided to customers mainly include service technical support, replacement of faulty parts, product spare parts service and feedback and treatment of customer problems, and the customer service has achieved very good results. TMT has been awarded the title of the best supplier for key customers, and the after-sales service has been praised by customers for many times.

Customer Satisfaction

94.04%

Customer service

We are committed to providing our customers with excellent products and quality services, and have formulated the 'Product Operation Maintenance and Service Management Measures' to enhance the efficiency of product operation maintenance and service response. Meanwhile, we have clarified the management requirements related to product recall, including the conditions of product recall, application and evaluation of product recall, and the implementation of product recall to ensure that we meet the requirements of our customers.

Case EN200G Excellence in Productivity

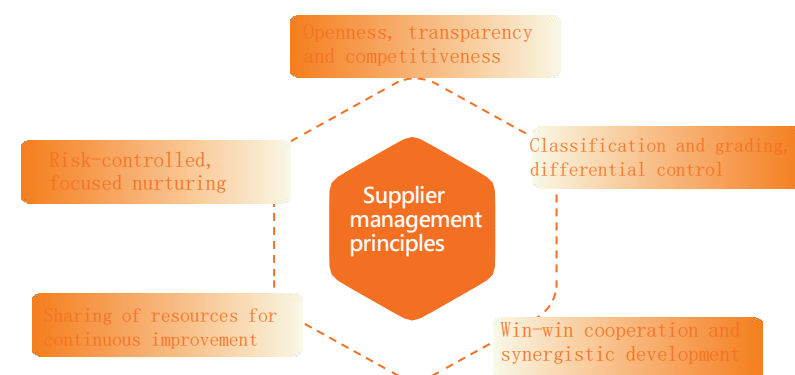
On June 8, Vision Energy Company visited the company's wind turbine blade Guangming factory and awarded the "EN200G Capacity Improvement Excellence Award" to Guangming team. This is the second time Bright Works has been honored by Vision Energy this year.



Supplier management

TMT attaches great importance to the co-operation and growth with our suppliers and seeks to 'support each other and develop together'. Based on continuous purchasing, we formulate continuous supply chain strategy to strengthen mutual cooperation and create new opportunities together.

Services and Tools & Methods



By the end of December 2023

The number of vendor households is

594

Percentage of localised suppliers in Hunan

38 %

The number of suppliers certified to ISO 14001 is

118

Case Procurement team wins two awards in a row

The 2023 National Public Procurement Industry Annual Conference was grandly opened in Haikou recently, and TMT's 'Establishing a Purchasing Cost Analysis Platform and Tapping the Value of Purchasing Cost Data' was awarded as '2023 National Public Procurement Excellent Case'. In addition, in the 9th China Good Procurement - Best Practice Case Competition, Times New Material's 'Procurement Spectrum System Construction for Multi-variety and Small-lot Industries' was awarded as 'Excellent Case'.



Supplier Management Process

Supplier selection conditions

- ◆The main consideration is whether the supplier has the ability to serve Times New Materials and end customers adequately and effectively. Items to be considered include: reliability, quality, delivery, technical ability, cost factors, etc.
- ◆The co-operative suppliers are required to have healthy financial status;
- ◆ Possess quality, safety, environmental protection certificates and other production and business licences;
- ◆Have good business reputation and no major violations of laws and regulations in business activities;
- ◆ Possess sound safety, environment and health management system, safety and environmental protection behaviours in line with laws and regulations, no violation of laws, no record of significant harm to the environment, significant harm or loss to personal safety, health and property, etc.

Supplier access modalities

The supplier's history of supply, production, service, cost, environment and social responsibility will be evaluated. The auditing methods for potential suppliers include both on-site auditing and document auditing, and the results of the auditing will be used as an objective basis for meeting the Era TMT Supplier Selection Criteria.

Supplier performance management

For qualified suppliers, we rate their performance in terms of quality, delivery, price, co-operation, social responsibility, environment and business ethics on a monthly basis, and the grades are classified as Grade A (90 points or more), Grade B (75-89 points), and Grade C (less than 75 points). For suppliers with good performance, we give priority to their cooperation and increase the cooperation between both parties. For C-grade suppliers, we formulate and implement corresponding supplier improvement and counselling plans, and provide corresponding support and assistance.

Supplier phase-out

We have established the principles of classification and grading, differentiated control and the mechanism of dynamic management of suppliers, dynamically adjusting the classification of supplier relationship and relationship management strategy according to market supply and demand, supplier performance, etc., reasonably controlling the number of suppliers, optimising the supply structure, realising the advantageous integration of suppliers' resources and the cultivation of cooperation value, giving full play to the value-added effect of the supply chain as well as the guiding effect of the industrial chain, and better serving our customers; For unqualified suppliers who fail to improve in time or fail to meet the standard after improvement, the company will move them out of the qualified supplier list and implement supplier elimination management.

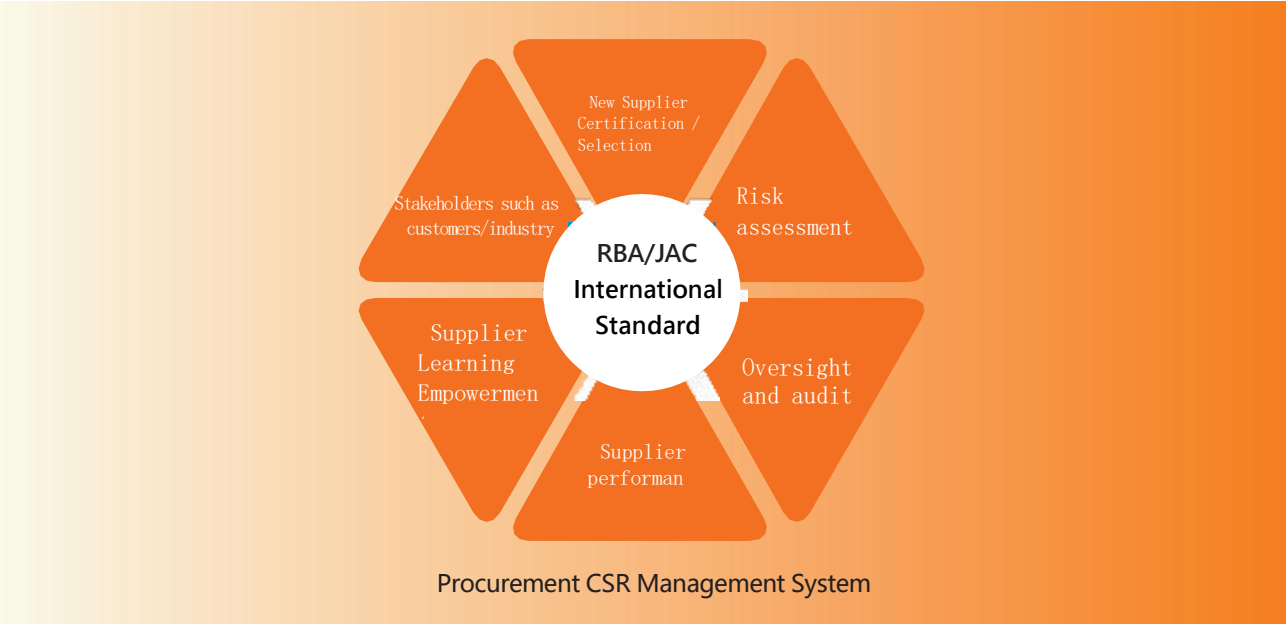
Transparent procurement

The company strictly implement the supplier management system, and suppliers are signed 'supplier integrity and self-discipline commitment', 'supplier code of bad conduct', 'anti-bidding, bid-rigging behaviour commitment' and other agreements, to ensure that in the process of cooperation with the company to put an end to all forms of corrupt practices and maintenance of fair competition, to prohibit all collusive bidding behaviour, resolutely implement the integrity and self-discipline of the act and the guidelines, and to build a smooth and win-win co-operation and harmony! development route.



Supplier ESG Management

TMT has established a procurement CSR management system based on the OECD Due Diligence Management Guidelines for Responsible Business Conduct and the IPC-1401 CSR Management System Standard, integrating CSR into procurement strategies and business processes. We require our suppliers to comply with all applicable laws and regulations, encourage supplier diversification, and pull suppliers to adopt internationally recognised industry standards to continuously improve their CSR management level.



Measures taken	01	Developed supplier CSR agreements covering labour standards, health and safety, environmental protection, business ethics, and management systems, and promoted the Supplier Social Responsibility Code of Conduct and announced its signing at a supplier conference;
	02	Require all suppliers to comply with CSR agreements and cascade the same requirements throughout the supply chain;
	03	We have made the use of child or forced labour a CSR red line and have adopted a zero tolerance policy for CSR red line violations;
	04	Require suppliers to comply with the environmental, clean sourcing, non-use of conflict minerals and other aspects of the code of conduct, through the investigation and signing of the relevant agreements "(Responsible Business Alliance Code of Conduct) supplier commitment letter", "relevant parties to improve environmental safety performance requirements", "clean commitment letter" and "conflict free metal report" to assess the environmental factor identification and social responsibility of suppliers, To ensure the green operation of each enterprise;
	05	Communicate the concept of green environmental protection and social responsibility to suppliers, and promote joint fulfilment by suppliers to create a green development supply chain, etc.

Case Supplier ESG Management System Audit

TMT formulates audit plans and carries out supplier ESG management system audits every year in accordance with the ESG management system requirements for suppliers, completes the audits in 2021-2023, and helps suppliers to carry out ESG management capability enhancement.

Year	2021		2022		2023	
Type of signature/assessment	No. of planned households	No. of actual households	No. of planned households	No. of actual households	No. of planned households	No. of actual households
Supplier access audit	86	86	47	47	42	42
Code of Conduct on Supplier Social Responsibility, Quality Assurance Agreement of Zhuzhou Times New Materials Technology Co., Ltd, Responsibility Agreement on Prohibited Materials, Safety and Environmental Protection Agreement, and Integrity Co-Protection Agreement.	261	261	456	456	482	482
Pre-audit risk assessment	36	36	51	51	66	66
Supplier Social Responsibility Risk Check	268	268	456	456	482	482
Supplier Employee Satisfaction Survey, Supplier Corporate Social Responsibility Survey, Supplier Environmental Survey	61	61	456	456	312	312
on-site review	19	19	27	27	79	79
completion rate	100%		100%		100%	

Continuous tracking of improvements

In order to continuously track the degree of fulfilment of the objectives of the sustainable procurement strategy, we carry out surveys on the satisfaction of suppliers' employees, suppliers' corporate social responsibility and suppliers' environment, and provide suppliers' employees with a channel for complaints. At the same time, the Company and its suppliers signed the Quality Assurance Agreement of Zhuzhou Times New Materials Technology Co., Ltd, 'Responsibility Agreement on Prohibited Materials', for which products with Rohs or REACH requirements are required to submit Rohs or REACH compliance test reports issued by our accredited laboratories for the first time and every year.

For problems found in on-site audits, we guide suppliers to adopt the five-step approach of checking, root cause analysis, improvement, prevention and evaluation (CRCPE) to identify common problems and formulate targeted improvement measures.

Rectification and closure of supplier ESG audit issues in the past three years

Audit Module	2021		2022		2023	
	Issue KO point	Close item	Issue KOpoint	Close item	Issue KOpoint	Close item
Safety & Health	1	1	2	2	1	1
Labour standard	2	2	2	2	2	2
Environmental protection	1	1	2	2	1	1
Business ethics	1	1	1	1	2	2
QM term	15	15	12	12	10	10
Total:	20	20	19	19	16	16

Supplier training

To provide resources for supplier learning and empowerment, and to pull suppliers to continuously improve their sustainability performance, TMT regularly conducts supplier sustainability training and counselling, and encourages suppliers to benchmark against industry best practices, integrate sustainability requirements into their business strategies, reduce business risks and improve operational efficiency.

Case Sustainable development training

In 2023, we organised 4 special training sessions and seminars on production safety, hazardous chemicals, fire safety, environmental protection and sustainable development system management, which are common concerns of our suppliers, fire safety, environmental protection, sustainable development system management and other topics of common concern to suppliers, we invited a third-party professional organisation to organise four specialised trainings and seminars, with a total of about 60 hours of training and a cumulative total of about 180 participants from 76 suppliers.



Case Social responsibility training

In 2023, TMT organised social responsibility training for suppliers with more than 300 participants, including 152 participants from wind power suppliers and 150 participants from rail transport suppliers.



Supplier risk management

The company attaches importance to supply chain security management, formulates relevant systems, develops corresponding measures for the prevention of interruption in the supply of raw materials and finished products, and carries out emergency plan drills, plans in advance for the identification of risks of key materials and procurement every year, analyses and follows up the trends of the bulk market every week, and carries out risk management and control in the form of weekly and monthly meetings to ensure the annual procurement and supply chain security risks.

TMT carries out annual risk rating for main suppliers that account for more than 80% of the procurement amount. Based on the comprehensive assessment of the procurement amount, material category, supplier's location, CSR performance results, historical audit records and other indicators, it is classified into three risk levels, namely high, medium and low, and high and medium risk suppliers are included in the annual sustainability audit plan, and the suppliers are required to provide a risk self-assessment checklist.

Green procurement

We clearly recognise that the consumption of traditional energy will have a huge negative impact on the atmospheric environment, and we strongly promote the implementation of new energy projects. We require energy-saving assessments to be done prior to the input of equipment, to avoid the introduction of energy-consuming equipment, and we regularly conduct energy waste inspections in all areas.

In 2023
Green purchases including tax
amounted to
3,200 ten thousand yuan

Chain management and industry co-operation

TMT focuses on external co-operation, management and communication, leads the industry chain supply chain enterprises to carry out green and low-carbon construction, and drives all walks of life in the society to practice green and low-carbon life.

Case Participation in the Chain Together Action Conference

In October 2023, the Company participated in the conference on common chain action of modern industrial chain of rail transit equipment and clean energy equipment of China CNR, and signed the cooperation agreement on common chain action with industrial chain partners around the five themes of collaboration and support, collaborative innovation, resource sharing, integration of production and financing, and cultivation of specialised and specialised new enterprises.



Case variety of products at the Rail Expo

In December 2023, China International Railway Transportation and Equipment Manufacturing Industry Expo was opened in Zhuzhou. In this rail expo, Times New Material exhibited with representative products such as air spring, rubber fibre coupling, thermoplastic elastomer buffer cushion, liquid composite node, solid wheel and so on. Liu Wensong, deputy general manager and chief engineer of the company's rail transit division, was interviewed by Zhuzhou TV station to introduce the company's ace products and technical strength in the field of rail transit.



Case Participation in Busan International Maritime Exhibition

In October 2023, TMT actively practiced the strategy of 'going out and bringing in' and presented a series of core vibration damping products at the 23rd Busan International Maritime Exhibition in South Korea, which gained a lot of attention from media and customers at home and abroad.



Employee rights

Employees are the foundation of enterprise development, TMT has always adhered to the talent concept of 'talent strong enterprise, respect and tolerance, struggle-based, contribution is honourable', to build an equal, fair and just employment environment for the staff, to provide excellent resources, broad prospects for the development of the platform, to create a positive, healthy, diversified and inclusive workplace, and to do a good job in protecting the rights and development of the staff. We will do a good job in protecting and developing the rights and interests of our employees, continuously strengthening the construction of our talent team, and developing and growing together with the company.

Equal Employment and Diversity Workforce Building

The company has established a perfect human resource management system, continuously optimising the recruitment process and building diversified recruitment channels; recruiting through campus recruitment, social recruitment, headhunting recruitment, internal recommendation and other channels, so as to reserve talents for the company to meet the business development.

By 31 December 2023

Total number of employees worldwide, including contract and part-time employees, etc.

6,553

Percentage of employees under 40

66.95 %

Percentage of employees with bachelor's degree or above

41.89 %

Percentage of female managers

19.77 %

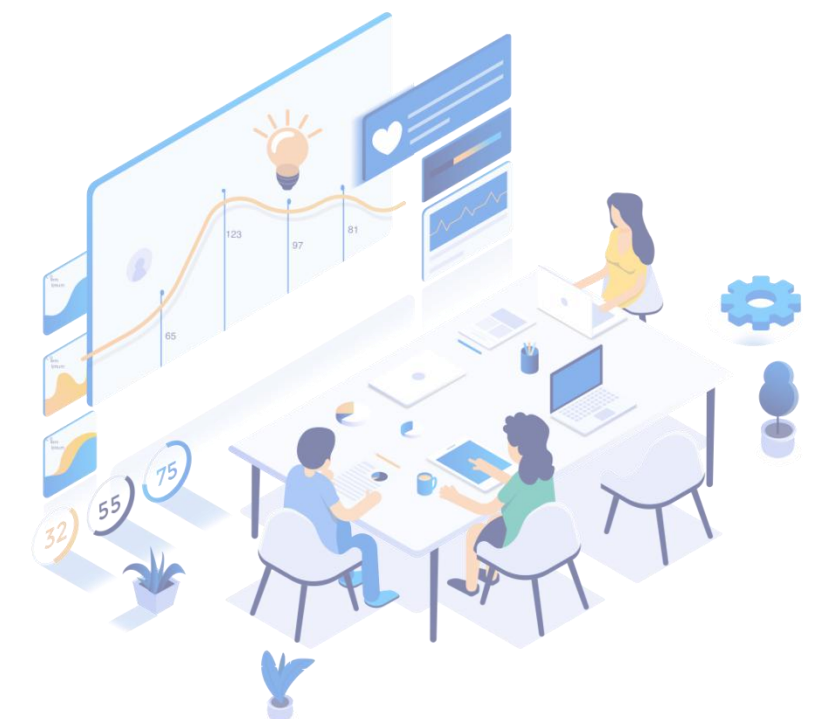
Percentage of foreign workers

39.46 %

Case Participation in the Intelligent Railway Transportation

2023 China Intelligent Rail Transit Academic Forum was held in Hefei. In the conference, TMT reported on the theme of 'systematic management solution for vibration and noise of urban rail transit operation lines' and participated in the round-table discussion on related technical difficulties.

In the conference, TMT reported on the theme of 'systematic management of urban rail transit line vibration and noise', participated in the round-table discussion of related technical problems, exchanged and studied with experts and scholars, answered questions and shared experience. The project of 'Wuxi Metro Line 4 with District Cover Property System Vibration and Noise Reduction Design and Engineering Application' won the award of 'Excellent Solution'.



Employee Rights

TMT strictly abides by the Labour Law of the People's Republic of China, the Labour Contract Law of the People's Republic of China and other relevant laws and regulations, and formulates the Labour Contract Management Measures and other systems in light of the actual situation of the company, opposes forced labour, signs labour contracts with employees and pays social insurance for employees in accordance with the law, clarifies the rights and obligations of both the company and the employees, and safeguards the lawful rights and interests of the employees in a practical manner.

The company respects the basic human rights of each employee, insists on equal employment, and does not discriminate against employees on the basis of religion, race, gender, region, colour and other factors. We resolutely eliminate the employment of child labour, and accurately identify and audit the age of employees through information technology; we also focus on the protection of the rights and interests of female employees, and achieve equality between men and women in terms of equal pay for work of equal value, vocational education, technical training, promotion and advancement, and participation in the democratic management of the enterprise, protect the rights and interests of female employees in accordance with the law, and oppose any form of discrimination; we respect the freedom of employment of our employees, and resolutely eliminate forced labour of our employees; we continue to improve the democratic management system with the staff council as the basic form, listen to employees' suggestions and demands through the staff council, thematic democratic life meetings, organisational life meetings, special thematic patrols, symposiums, and focused conversations, and collect opinions in advance on resolutions and matters involving the immediate interests of employees.

KPIs

In 2023

Employee contract signing rate is

100%

Employee social security coverage

100 %

Incidence of forced labour

0 %

Employee satisfaction

100 %

Compensation and Benefits

The company is committed to building a competitive salary system, advocating the salary incentive culture of 'gathering elites from all boats and gathering talents from all sources', combining the internal multi-dimensional career development system, and constructing a salary incentive mechanism integrating four aspects, namely 'personal ability, job responsibilities, annual performance and market scarcity'. 'The company has built a four-pronged compensation incentive mechanism to better attract and retain outstanding talents, enhance the cohesion of the core team and the core competitiveness of the enterprise.

Salary system

The company deeply implements the three-year action plan for the reform of state-owned enterprises, deepens the implementation of the market-oriented management mechanism reform, takes the 'talent' strategy as the core, and continues to improve the remuneration incentive system that matches the market-oriented management mechanism. In order to meet the 'two systems and one contract' management of leading cadres, we have established a competitive salary management system for professional managers; we have continued to optimise the salary value distribution system for positions, and strengthened the matching of position value, ability, performance and salary.

Welfare protection

In order to better fulfil the role of welfare protection, the Company continued to improve various welfare management systems and standardise welfare management standards and processes during the reporting period. The Company's welfare protection programmes are set up around employees' job security, living welfare, healthcare, family care and accident protection. The Company's welfare programmes are mainly divided into statutory benefits and self-incentivised benefits.

Statutory benefits

The company pays five insurance and one gold for the employees; fully implements the holiday benefits: in addition to public holidays and statutory holidays, it also sets up annual leave, family visit leave and other paid holidays.

Self-Incentivised Benefits

The company pays enterprise annuity for employees; provides working Chinese food, and pays condolences to employees during holidays, high temperature or severe cold and other seasons; the company pays attention to the health of employees, and organises regular physical examinations and staff retreats.

Talent incentives

In order to stimulate the vitality and power of enterprise development, promote the company's high-quality development, and establish a diversified, personalised and differentiated incentive model. The company increases the precise incentive, target incentive and coverage incentive for scientific and technological talents, improves the medium- and long-term incentive mechanism, clarifies the 'ten operating principles' for medium- and long-term incentives, and explores the modes of excess profit incentives and equity incentives.

Case Implementation of equity incentives to stimulate talent

In order to further establish and improve the Company's long-term incentive mechanism, attract and retain outstanding talents, and fully mobilise the enthusiasm and creativity of the Company's core team, TMT disclosed the Restricted Share Incentive Plan in 2023 and completed the registration of grants to incentive recipients.

Number of incentive recipients for the first and reserved grants under the Incentive Scheme: a total of 246 persons, accounting for 3.85% of the total number of 6,387 employees (as at 31 December 2022) of the Company.

Total equity interests under the Share Incentive Scheme: The total number of Restricted Shares granted for the first time and reserved for grant was 21.74 million shares, accounting for approximately 2.71% of the total number of 802,798,200 shares of the Company's share capital at the time of the announcement of the draft Incentive Scheme.

In addition to material incentives, we also attach importance to the spiritual incentives for employees, increase the construction of the staff honour incentive mechanism to enhance the sense of honour and sense of belonging.

Case The company held to celebrate the ‘May Day’ International Labour Day and commendation



‘Trade Union Activist’ of the year”



‘Outstanding trade unionist’ of the year



Top Ten Teams’ of the Year



‘Workers’ Pioneer’ of the year

Facilitating staff development

The company is committed to the selection and cultivation of talents, encouraging employees to acquire professional knowledge and skills from work practice, enhancing personal leadership, creating promotion opportunities for employees, and setting up a comprehensive training system to help employees grow.

Career path

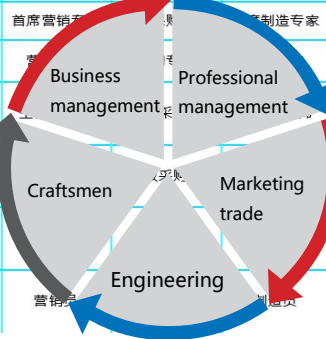
The company's career development channel is smooth, and constantly strengthen the construction of the talent team, improve the talent promotion channel, enhance the staff's ability and professionalism, and promote the sustained and high-quality development of the company's industry. We adopt the ‘Joe’ type career development system, so that each employee can ‘do what he or she likes, specialise in what he or she likes, think what he or she thinks, and get what he or she is worth’ as far as possible. The company optimises the promotion channel, establishes five career development channels (management, engineering, professional management, marketing and trade, skilled craftsmen), seven career development levels (S, T, A, B, C, D, E), according to the job content and nature of the job, develops a career development channel for each job, clarifies the qualification standards for each job level, accelerates the promotion of each channel expert talent by improving the growth platform, effectively stimulates the staff to work actively and effectively stimulates the staff to work. Through improving the growth platform and accelerating the promotion of experts in each channel, the Company has effectively stimulated the enthusiasm and initiative of employees. In 2023, the Company has promoted 304 people in total.

‘Qiao’ career“development system



		经营管理		专业管理	工程技术			营销贸易		能工巧匠
		职业经理	项目经理		研发	工艺	支持	营销	采购	
S	院士	S			院士					
T	领袖/权威	T1			科学家					
		T2	新材领导							
		T3	班子成员							
A	领域专家	A1	资深职业经理	首席项目专家	首席管理专家	首席设计专家	首席工艺专家	首席技术专家	首席营销专家	首席制造专家
		A2	高级职业经理	项目专家	管理专家	设计专家	工艺专家	技术专家	营销专家	制造专家
		A3								
B	专业核心	B1	职业经理	主任项目师	主任管理师	主任设计师	主任工艺师	主任技术师		
		B2								
		B3								
C	业务骨干	C1		高级项目师	高级管理师	高级设计师	高级工艺师	高级技术师		
		C2								
		C3								
D	有经验者	D1								
		D2								
		D3								
E	初做者	E1								
		E2								
		E3								

Five career paths



Employee Training Mechanism

In order to enhance the professionalism of our employees, we have set up a training management system of classification and hierarchy, implemented corresponding training programs to meet the needs of different employees, integrated the company's training resources, and established a systematic training teacher system and training course system. The company has developed more than 300 online courses through the internal trainer competition and courseware evaluation, appointed 10 special professors, 20 gold medal lecturers, 38 senior lecturers and 72 lecturers; carried out the "Navigation" series of key talent training projects, focused on the "600 Talent Program", and carried out talent empowerment. The company has also carried out the "Navigation" series of key talent training programs, focused on the "600 Talent Program", carried out talent empowerment, strengthened the construction of various types of talent teams in an all-round way, and helped talents grow.

Case "Voyage" series of key personnel training programs

Navigation Plan

Times New Material launched the first "Ginkgo Cup" internal trainer competition with the theme of "Empowering Era, Masters are Teachers" to extract good courses and cases and cultivate good lecturers through the competition. After the preliminary rounds and the final rounds, the competition finally recognized 20 gold medal lecturers, 38 senior lecturers and 72 lecturers, which further stimulated the vitality and creativity of the internal trainer team.



Pilot Program

Through the training camp of the reserve talent pool, the Company has created a team of young management talents who "want to work, can work, and can accomplish things". 2023, a total of 7 professional managers have been promoted from the reserve talent pool.

Escort program

The company cultivates special programs for marketing talents, and completes the construction of learning maps for marketing positions.

Sailing Program

The 240 new employees of the Class of 2023 quickly integrated into the company and took the first step in their career through the colorful induction training such as military training, lectures by internal experts and team melting.



Case Focus on the "600 Talents" program

For professional managers

In order to cultivate the leadership of cadres, Times New Materials selected 40 cadres to study at Tsinghua University to enhance their composite leadership.

For management personnel

Organized the "600 Talents" Management Momentum Lecture Hall, inviting external experts to give a special lecture entitled "The Way of Enterprise Transformation under the New Normal", which empowered a total of about 160 people.

For scientific and technological leaders, young scientific and technological talents

We carried out the technical leadership training program with the main lines of market-oriented, manufacturing-oriented and team-oriented, and invited 9 technical experts from home and abroad to give lectures, which empowered nearly 800 technical talents in total.

For industrial worker pioneers

The Industrial Worker Pioneer Training Program selects 56 people for special empowerment, and is committed to building a skilled talent team that meets the requirements of intelligent manufacturing, the new era of production reform standards and the company's "14th Five-Year Plan" talent requirements.



Guardian of employee health and safety

Based on the premise of relevant laws and regulations such as the Work Safety Law of the People's Republic of China and the Law of the People's Republic of China on Prevention and Control of Occupational Diseases, TIME New Material has been continuously improving its occupational health and safety management system, earnestly implementing various production safety and occupational health initiatives, and safeguarding the health and safety of its employees in all aspects. The company has passed the certification audit of ISO45001 Occupational Health and Safety ManagementSystem.



Occupational health and safety objectives

In order to build a perfect occupational health and safety management system of Times New Materials, the company has formulated accident control objectives and occupational health objectives.

Accident control objectives

01

In the '14th Five-Year Plan', general production safety accidents decreased by more than 20 per cent year-on-year compared with the '13th Five-Year Plan' ;

02

The number of fatal accidents involving related parties decreased by more than 20 per cent year-on-year;

03

Strive to continuously achieve the 'three zeros' safety goal of 'zero fatal accidents, zero new occupational diseases, zero fire and explosion accidents or other major impact accidents' .

Occupational health objectives

01

By 2025, the level of occupational health control will be significantly improved, and the rate of declaration of occupational hazards will be 100% ;

02

Occupational health check-up rate of the employees who have been exposed to hazards is 100%

03

Toxic and hazardous workplace testing pass rate of 90% or more

04

Zero new occupational diseases on active duty

Key performance indicators

In 2023

Number of work-related deaths

0 people

Rate of work-related deaths

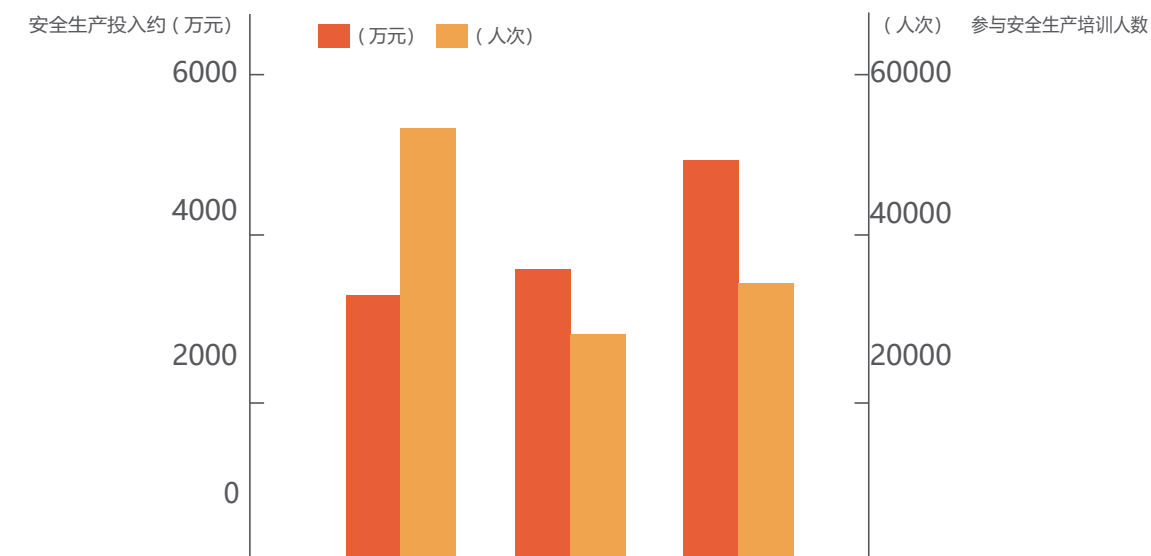
0 %

Approximate investment in production safety

4, 949. 56 ten thousand yuan

Number of participants in work safety training

36, 242 persons



Regulatory mechanisms

The company has established the EHS management committee headed by the party secretary, chairman and general manager to fully implement the "first responsibility" of the main person in charge, the "three controls and three musts" of other persons in charge and the implementation of the responsibility of underwriting, and has constructed a performance assessment mechanism for safety management. In addition, the company has established a safety management performance appraisal mechanism, organizing quarterly safety production performance appraisals for each unit, urging each department to perform their duties in safety production, and forming a working atmosphere of "learning by comparing, catching up, helping and surpassing" .

During the reporting period, the Company organized the revision of safety production and occupational health systems, such as the "Responsibility System for All Employees in Safe Production" , "Safety Risk Classification and Control and Hidden Trouble Investigation and Management" and "Measures for Occupational Health Management" , and annually organized the physical examination of occupational diseases for the personnel who were exposed to hazards, and set up occupational health guardianship files, and conducted in-depth self-examination of the implementation of the responsibility for prevention and control of occupational diseases by the employing units as well as the risk assessment report, so as to further solidify the safety production and Employee health system.

Strengthen risk identification and control

Occupational health and safety risk identification, control and management are the core of the Company's EHS management system. During the reporting period, the Company improved the judgment benchmarks of important sources of danger, classification standards of important risk points, and fully combined the risk evaluation method of operating conditions with the dual prevention system of safety risks, and formed the List of Important Dangerous Sources of Era New Material by comprehensively sorting out the current risk events of each department. The company strengthens the implementation of preventive and control measures for dangerous sources, compiles 9 company-level " Standard Inspection Maps for Business Units " and 6 " Inspection and Check Forms " , and organizes and implements regular supervision and inspection by the leaders of the company, so as to ensure that the safety risk and hidden danger investigation and management achieve practical results.

With regard to occupational health and safety risks, the company has carried out more than 10 special investigation and remedial actions, such as more dangerous operations in industry and trade, violation of rules and regulations, and safe production in the machinery industry, and has sorted out 123 large and above safety risks. The company continuously implements the main responsibility for safety production, improves risk identification and control and hidden trouble investigation and management, and strictly corrects and seriously investigates and punishes irregularities.

Case Organization of the evaluation of the current state of safety of hazardous chemicals

The company carries out the evaluation of the hazardous status quo of the storage, use and transportation of hazardous chemicals and issues the "Evaluation Report on the Safety Status Quo of the Storage and Use of Hazardous Chemicals by Times New Materials", which helps to improve the safety management level of the storage and use of hazardous chemicals.

Case Safety and technical

The company organizes and carries out "mechanized replacement, intelligent reduction, automation and unmanned" safety technology reform work, promotes 2 projects of intelligent forklift and crane fall prevention, pilots the whole process of monitoring projects in limited space, crane intelligent monitoring, intelligent AI hidden danger monitoring system 3 projects, and pushes forward other safety and occupational health essential improvement projects, a total of 11 projects. The company has promoted 11 projects for other safety and occupational health essential improvement projects to gradually improve the safety level of the company.

Case Identification and remediation of potential safety hazards

01

The company organised the 2023 work of evaluating the safety production level of 12 units, including the Shanghai plant of Bogo and the Sheyang plant of Wind Power, and issued 12 inspection reports and 12 problem lists.

02

The Company organised the investigation and remediation of major accident hidden dangers in production safety, self-inspected and rectified one major accident hidden danger, and prevented and resolved the risk of major accident hidden dangers.

03

Invited 5 experts from CMSA to carry out the self-assessment of TMT 2023 annual production safety standardisation, and further improved the company's production safety standardisation level through standard training, on-site hidden danger diagnosis and treatment.

Strengthening emergency management

Times New Materials attaches great importance to emergency management, improves the emergency management organization, prepares emergency plans and reviews and files them with the competent authorities of the place of operation as required. During the reporting period, the Company organized the revision of 1 comprehensive emergency plan, 4 special emergency plans and 14 on-site disposal plans such as "Risk Assessment Report on Production Safety Accidents of Era New Material", "Emergency Plan for Production Safety Accidents of Era New Material" and "Report on the Investigation of Emergency Resources for Production Safety Accidents of Era New Material", and organized the completion of the assessment and filing of the emergency plan for production safety accidents with the Emergency Management Bureau of Zhuzhou City.

The Company has organized the establishment of an emergency rescue team, carried out training for the emergency response team, equipped emergency rescue materials, set up more than 10 micro fire stations, carried out emergency response training, and completed 138 emergency response drills with a total of 1,076 participants thus continuously consolidating the emergency response capability.

Health and safety education

In order to make the awareness of safety production and occupational health deeply rooted in people's hearts, the company carries out safety publicity work through multiple channels and forms, such as the formulation of safety training work plan, safety knowledge popularization of science and technology, safety warning and education activities, occupational health training, and so on.

Work safety training

In order to improve the knowledge and skills of leading cadres and full-time EHS personnel, during the reporting period, the company organized a total of 129 key persons in charge and safety management personnel to carry out safety production qualification training; organized the key persons in charge of each unit to take the lead in carrying out safety production public lectures, safety lectures, safety commitments and other activities, and made 25 speeches at all levels.

Safety warning and education

01

The Company organized 14 viewings of the TV special film "Life is more important than Mount Tai - General Secretary Xi Jinping's Important Discourse on Work Safety", with a total of 4,101 people attending.

02

Organization of the purchase of a total of 124 copies of Selected Cases of Serious Domestic Production Safety Accidents,

03

We organized 56 times of viewing typical accident educational films such as "Everyone Talks about Safety, Everyone Knows Emergency Response", "Special Investigation and Rectification Actions for Major Accidents and Hidden Dangers", and "A Warning Record on Open and Secret Work Safety", with the participation of 7,161 employees.

Security sensitization activities

01

Experts and scholars were invited to carry out safety training on various topics, and activities such as 'Safety Talk, Today I Speak about Safety' were organised.

02

Jointly with labour unions, it carried out 11 activities such as safety theme day consultation, safety knowledge competition, parent-child safety day and safety knowledge test.

Case



Employee Care

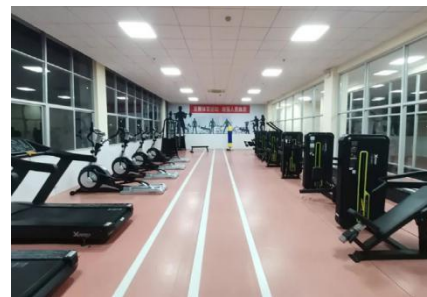
TMT attaches great importance to the humanistic care of employees, focuses on balancing the work and life of employees, and enhances the sense of belonging and identity of employees to the company by carrying out colorful employee activities such as holiday sympathy, group building activities and psychological counseling.

Work-life balance

In order to create a healthy and harmonious, relaxed and happy, positive working environment, and further strengthen the communication and unity between the departments, enhance team cohesion, the company organizes a variety of activities to enrich the work and life of employees.

Case Creating a “New Home” for Employees

In August 2023, the “new homes” of the Binxian and Jilin factories of the Wind Power Products Division of Times New Materials were officially put into use. The company has set up a book corner, gym, billiard room and audio-visual room to enrich the employees' life. The company has set up a book corner, gymnasium, billiard hall and audio-visual room for employees to enrich their spare time life.



Gym



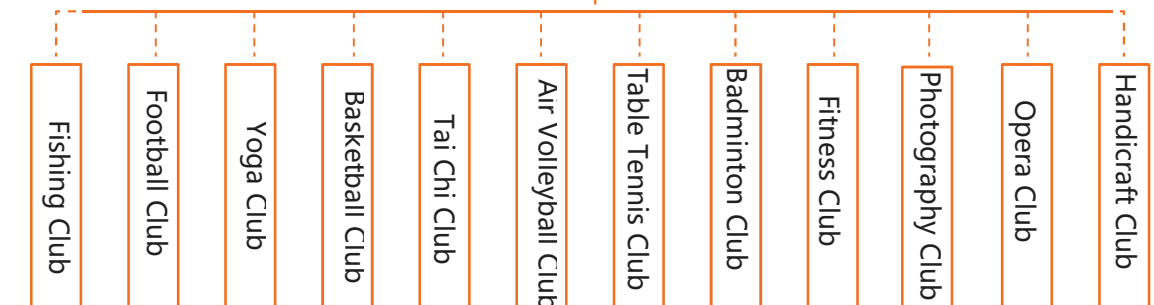
Staff Health Corner



Staff Bookstore

The company set up the Times New Material Sports Association, through the activities of the clubs of the Association to carry out sports activities in an orderly manner, the Times New Material Sports Association has 10 types of clubs under its jurisdiction, with more than 2,800 members, and the participation rate of the company's employees in the activities of the Association is 100%.

Times New Material Sports Association



Case 2023 “Healthy New Material” Employee Air Volleyball League

In April 2023, sponsored by the labor union of the company, the company's air volleyball association hosted the 2023 “Healthy New Material” Employee Air Volleyball League, and the number of participants in the game hit a record high in the past years, of which 10 teams participated in the women's group and 12 teams participated in the men's group, and the number of participants exceeded 220 people.



Case 2023 Fun Games

In September 2023, TIME New Material held the “Healthy New Material - Passionate Era” fun games for the employees on the day of China Motorcycle, which consisted of six major events, namely, Working Together Dragons Walking in the World, Wheels Rolling in the World, All Together, Crossing Over with One Heart and Tug-of-War, with a total of 13 participating teams and nearly 500 employees participating.



Holiday Care

Every holiday, the company for sticking to the front-line staff to send warmth and blessings, in the traditional holidays, the company organizes staff to carry out colorful holiday activities.



June 1 Parent-Child Poetry



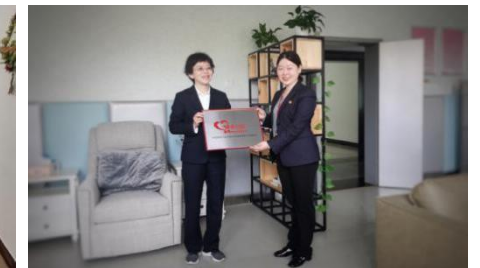
Tanabata Youth

Special Employee Care

The company is committed to make every new material people are full of happiness and sense of achievement, special employees are taken care of, take the initiative to understand the work and living conditions of the staff, and help the staff in difficulty in various aspects to alleviate the difficulties of their lives.

Case Female Employee Care

In response to the needs of breastfeeding female employees during the special period, the company strictly implements the requirements of breastfeeding leave, and allocates a special mother and baby room for employees.



Case Solving the problem of “difficult school enrollment” for employees’

In order to alleviate the pressure of the children of employees in difficulty to go to higher education, the Company continuously carries out the activity of “Golden Autumn School Aid”, which effectively helps the families of employees in difficulty to alleviate the pressure of their children to go to higher education and helps the students to realize their dreams through the establishment of a file card for the target group, the issuance of graded subsidies, and the visits to visit and pay condolences. During the reporting period, the Company carried out a total of more than 50 visits and condolences, and distributed more than 100,000 yuan of condolences.



Case

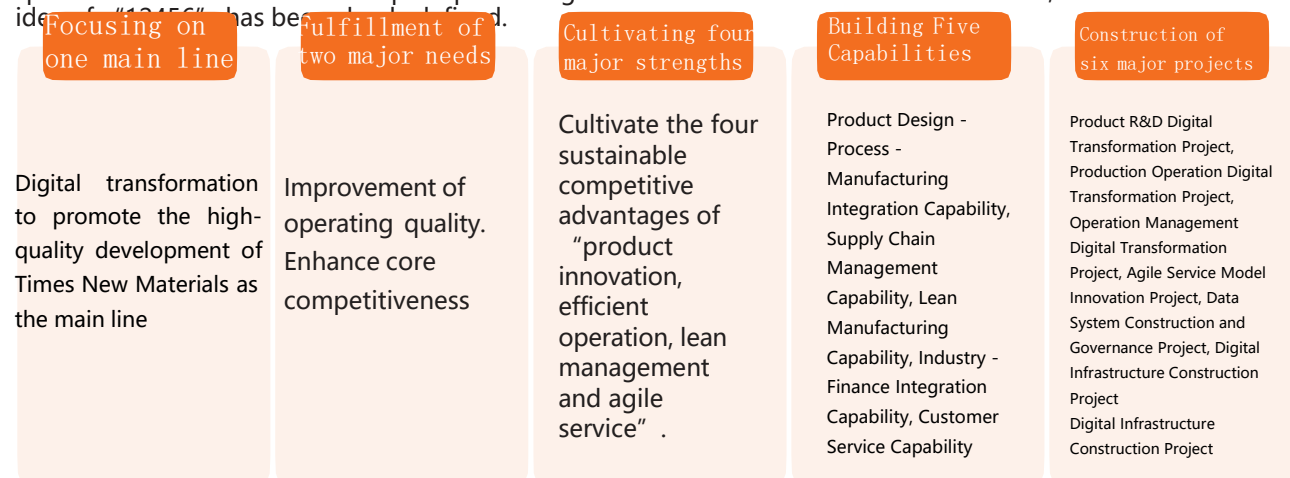
Public Assistance for Major Diseases and Disasters

Since 2016, the Company has persisted in implementing the “Public Welfare Assistance for Major Diseases and Catastrophes” program, with a cumulative expenditure of RMB 4.81 million, to help employees or their families whose work and life have been significantly affected by major diseases and catastrophes. employees or their families who are seriously affected by major illnesses and disasters

In addition to helping families of employees in difficulty to alleviate the pressure of going to school, Times New Materials also provides schooling protection for the children of expatriate employees to solve their worries.

Digitization

Times New Material takes the initiative to undertake the social national development strategy, grasps the new opportunities of digital development, and formulates the action plan appropriate to the national development according to the actual situation of the company. In 2022, the company formally released the Implementation Plan for the Special Action Plan for Digital Transformation, which specifies the overall plan, task initiatives and safeguard measures for the advancement of digital transformation work. Combined with the informationization foundation of Times New Materials, lean management level, the current situation of the integration of the two chemistries and the results of the national intelligent manufacturing pilot project, it establishes the basic principles of digital transformation that are strategy-led, top-level planning, standard unification, data coherence, business-led, step-by-step advancement, value-orientation, benefit-prioritized, data-driven, and technology-enabled; and specifies the "12456 The basic principles of digital transformation have been established, and the transformation idea of '12456' has been formed."



TMT's digital construction focuses on the dimensions of smart products, R&D digitisation, business management digitisation, production operation digitisation and service digitisation, etc. In FY2023, TMT focused on the construction of digital transformation projects such as the digital engineering project based on the blades of 7.XMW wind turbine generator sets, the Innovation Centre and the Intelligent Manufacturing Base.



Production Workshop of Manufacturing Centre, Railway Transportation Division



Power Valley Factory of Wind Power Products Division
Wind turbine blade production line

As of 7 March 2024, the Company has been awarded the 'Typical Case of Digital Transformation of State-owned Enterprises' by the State-owned Assets Supervision and Administration Commission of the State Council, the 'Pilot Demonstration of Integration of New-Generation Information Technology and Manufacturing Industry' by the Ministry of Industry and Information Technology of China, the 'Pilot Demonstration of Convergence of Two Systems Management System' by Hunan Province, the 'Pilot Demonstration of Digital Transformation' by Hunan Province. Pilot Demonstration of Conformity of Two-chemical Integration Management System in Hunan Province, "Pilot Enterprise of Digital Transformation Maturity Conformity in Hunan Province", and "Three-star" Enterprise of National Digital Transformation Conformity Evaluation.



National Digital Transformation Consistency Assessment '3-star' Enterprise ▶

Strategic public goods

Keeping in mind the obligation as a social citizen and the responsibility of a central enterprise, Era New Material is concerned about the society and people's livelihood, and actively participates in various social welfare activities to help revitalize the countryside and drive the development of the local economy.

Rural revitalization

TMT actively implements the deployment of SASAC and CSR on rural revitalisation, gives full play to its own advantages and features, and helps Jingxi City and Napo County of Guangxi Zhuang Autonomous Region and Maiji District of Gansu Province, and You County of Zhuzhou City to fight against poverty, enhance the development momentum, and comprehensively promote rural revitalisation.

In 2023

Helping projects implemented by the company

2 ↑

Purchase of Agricultural Products from Supporting Areas

46.80 万元

Community building

TMT is committed to working closely with the community and actively promotes employee participation in volunteer services to jointly provide strong support for the development of the region.

In 2023

Participation in volunteer services about 400 people

Volunteer service hours about 800 hours

Volunteer Service for Exam Assistance

During the college entrance examination period, the volunteer service team of Times New Material, in the examination point site to provide free drinking water, examination utensils, basic emergency supplies, paper towels and simple stools for temporary rest to the candidates and parents, to assist in the site guidance and order maintenance, to escort the parents and college entrance examination students



compulsory tree planting

In March 2023, the Company actively responded to the call of Zhuzhou City to participate in the "Three Recognitions" public welfare activities of urban compulsory tree planting, and was awarded the title of "Advanced Collective of Urban Compulsory Tree Planting in 2023"; jointly organized the "Plant this Green, Combine Talents into a Forest" talent forest construction activity with the Municipal Youth League Committee, and helped the urban area to jointly build a new highland for talents. It was awarded the title of "Advanced Collective in the 2023 Urban Community-wide Voluntary Tree Planting and Three Recognition Activities", and jointly organized the "Planting this Green, Combining Talents into a Forest" Talent Forest Construction Activity with the Municipal Youth League Committee to help the urban area to jointly build a new high ground for talents.



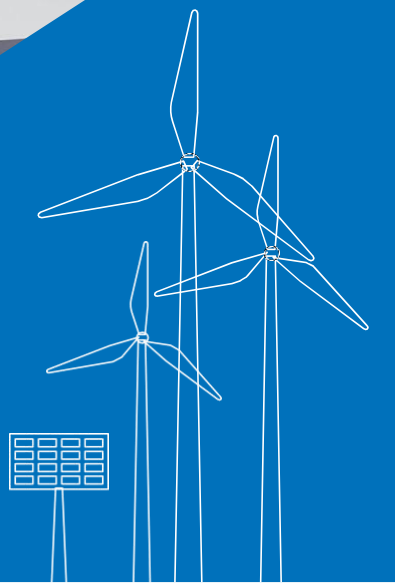
Sympathy for the Elderly in Nursing Homes

In 2023, the volunteer service team of Times New Materials went deep into the retirement community dozens of times to sympathize with the elderly in the nursing home and send them nutritious materials and warm care.



Governance Part Stable new materials Compact development cornerstone

- Corporate Governance
- Value Management
- Internal Control
- Risk Management
- Compliance
- Integrity Building
- Party Building Leadership



Corporate governance

Times New Materials strictly abides by the requirements of listed enterprises, actively implements the relevant policy requirements of the 20th Congress, standardizes the corporate governance structure, improves the governance mechanism, perfects the systems, and ensures that the enterprise operates in a lawful and compliant manner.

The Company has formulated a corporate governance system based on the Articles of Association, Rules of Procedure of the General Meeting of Shareholders, Rules of Procedure of the Board of Directors, Rules of Procedure of the Supervisory Committee, Rules of Procedure of the Independent Directors and Rules of Procedure of the Specialized Committees, etc., and specific specific norms of the Management System of Connected Transactions, Management System of Proceeds Raised, and the Management System of Information Disclosure, etc., in order to enhance the normativeness and effectiveness of the corporate governance and the modernization level of the governance capacity.

Governance performance

The Company has revised and improved more than 10 corporate systems, including the Articles of Association, to further enhance the level of corporate governance.

The Company actively organizes its directors and supervisors to participate in relevant training organized by the Securities and Futures Bureau, the Association of Listed Companies, the Shanghai Stock Exchange and other regulatory bodies to enhance their ability to perform their duties.

The Audit Committee was renamed the Audit and Risk Management Committee to strengthen the organization and enhance risk prevention awareness and capacity.

Three Councils operation

The Company regulates the daily operation of the General Meeting of Shareholders, the Board of Directors and the Supervisory Committee, with each level performing its own duties, forming a mechanism for the operation of the three committees in which the authority, decision-making body, supervisory body and the management coordinate with each other as well as check and balance each other.

general shareholders' meeting

The duties of the General Meeting of Shareholders of the Company are clear, and the decision-making power is exercised within the scope prescribed by laws, administrative regulations, rules and the Articles of Association of the Company. The convening and convening procedures of the general meeting, the qualifications of the convenor and the attendees, the voting procedures and the voting results were all in compliance with the Company Law of the People's Republic of China, the Rules for General Meetings of Shareholders of Listed Companies, and other laws and regulations, normative documents, as well as the provisions of the Articles of Association of the Company.

Board of directors

The Board of Directors of the Company currently consists of 5 professional committees, namely: Strategy Committee, Audit and Risk Management Committee, Nomination Committee, Science and Technology Innovation Committee, and Remuneration and Evaluation Committee. The independent directors attended all the board meetings throughout the year, either on-site or by correspondence, and put forward positive and effective suggestions, making significant contributions to the scientific decision-making of the board of directors.

Supervisory boards

The Supervisory Committee of the Company is responsible to the General Meeting of Shareholders and all shareholders, and exercises its supervisory power within the terms of reference conferred on it by the Company Law of the People's Republic of China, the Articles of Association of the Company and the General Meeting of Shareholders.

As at the date of this report

The members of the Company's Board of Directors total **9** peoples

of which internal directors

3 peoples

outside director

6 peoples

outside directors

3 independent directors

members of the Supervisory Board of the Company

5 peoples

employee supervisor

2 peoples

general shareholders' meeting

3

Considered, among other things, the report on the work of the Board of Directors of the Company for the year 2022.

18 motions

board of directors

9

Considered, among other things, the report on the work of the Board of Directors of the Company for the year 2022.

64 motions

supervisory boards

8

Considered, among other things, the report on the work of the Supervisory Committee of the Company for the year 2022.

39 motions



The attendance of the Directors and Supervisors complied with the requirements of relevant laws and regulations, and the Secretary of the Board of Directors and the General Counsel of the Company attended the relevant meetings. All the motions considered by the Board of Directors and Supervisors were passed unanimously, and all the motions considered at the AGM were passed with a high proportion of votes in favour.

pluralistic governance

Sex

The members of the Board of Directors and Supervisors include

2 female supervisors

Included in management

2 female executives

profession

The directors, supervisors and members of the management team have been tapping into the relevant professional fields for many years, covering areas such as international operations, financial management, science and technology innovation and so on.

value management

TMT abides by the concept of compliant operation, effectively fulfills the obligations of listed companies and actively safeguards the legitimate rights and interests of investors.

Compliance Information Disclosure

Times New Material takes the initiative to cooperate with the increasingly strict requirements of the regulatory bodies for corporate information disclosure, open up the information communication channels, optimize the information disclosure process, effectively guarantee the accurate and standardized disclosure of relevant information, and continuously improve the transparency of corporate operations.

In 2023, the Company actively carried out the evaluation of information disclosure in accordance with the newly revised Shanghai Stock Exchange Self-disciplinary Supervision Guidelines for Listed Companies No. 9 - Evaluation of Information Disclosure Work and obtained a grade B. There was no leakage of insider information in 2023 and the Company was not penalized by the securities regulatory authorities.

Information Disclosure

Report disclosure	During the reporting period, the company disclosed a total of interim reports	Periodic reports
	79 copies	4 copies

Institutional

The Company has formulated the Information Disclosure Affairs Management System, which specifies the principles, contents, procedures, disclosure channels and storage requirements for information disclosure.

The Company has prepared and issued the "Guidelines for Information Disclosure and Decision-making on Related Matters", which classifies and refines the rules of information disclosure into a booklet, clarifies the specific information reporting obligations undertaken by each department, and guides the standardization and standardization of the implementation of the information disclosure work, which effectively reduces the risk of non-disclosure of material information.

Investor Communication

The Company has adopted a proactive investor relations management strategy, strengthened contacts with regulatory bodies and mainstream media, enhanced interaction with investors, improved the Company's image in the capital market and boosted investor confidence in the Company's future development.

Investor Communication Performance

During the reporting period, the company organized	Investor reception	Earnings presentation	SSE E Interactive Responses
	40 times	3 times	20 times

Institutional safeguards

In 2023, the Company drew up the "Times New Material 2023 Special Work Program for Investor Communication", set up a management team covering key members of functional departments and business units, formed a relatively mature operation system, and actively promoted the work in accordance with the work program throughout the year; formulated the "Times New Material Investor Relationship Management Measures", and set up a special person and a special post to be responsible for communicating with the investors to enhance the investors' understanding of the Company and their recognition of the Company.

Internal control

Internal control system construction

Organizational structure

In accordance with relevant laws and regulations, the Company has set up an internal control organization consisting of the Board of Directors, Supervisory Committee, Board of Managers, Audit Committee of the Board of Directors, Audit Risk Department, functional departments, and molecular companies (business divisions) at all levels, and has decomposed and implemented the responsibility of the main body of control in conjunction with the internal control objectives.

Institutional perfection

In order to effectively implement internal control, the Company has constructed a comprehensive internal control system and established a mechanism for continuous improvement and updating of management rules and regulations in conjunction with the policy requirements and its own actual situation. Internal control supervision is realized through daily supervision, special evaluation and periodic evaluation activities to ensure that the Company's various operation and management behaviors are carried out in an orderly manner under the premise of legal compliance.

By the end of 2023

The Company has established a total of 467 basic systems or professional management systems, including the Measures for the Administration of the "Three Major Events" Decision-making System, the Measures for the Administration of Authorization of Legal Representatives, and the Measures for the Administration of Subsidiaries.

A mechanism for regular updating of the Internal Control Manual has been established, and the updated and revised Internal Control Manual involves a total of 41 main processes, 334 sub-processes and 540 control points, so as to make the internal control processes more in line with the actual operation and management of the Company.

The Company has revised the "Management Measures for Risk Assessment of Major Projects", "Guidelines for Audit of Material Procurement Contracts" and established the "Guidelines for Accountability for Illegal Operation and Investment of Era New Material" (No. 1-7), and has continued to optimize and improve the Company's auditing and risk-control system construction.

The Company regularly prepares and issues the "Annual Economic Business Authorization Approval Form" for regular authorization each year, and strictly controls special authorization by clarifying and standardizing the scope of authority, approval procedures and responsibilities for the handling of major annual economic business matters.

Internal control measures

Effectiveness of internal control management

FY2023 Annual Audit Projects **14** Projects

Internal control management initiatives

The Audit and Risk Department organized **5** special audit projects, **3** medium-vehicle-level special remediation work projects, and **6** special management projects to effectively play the role of audit value creation and risk prevention.

The audits identified more than **100** issues and made more than **170** audit recommendations, of which **3** non-compliant projects were held accountable.

The Audit and Risk Department, in collaboration with various departments, created cost reduction and efficiency gains of about **42** million yuan and mitigated risks of **58** million yuan for the company.

Internal control training

Training topics

Era New Materials 2023 Internal Controls Evaluation Program Training

Description

In order to smoothly carry out the internal control evaluation of the Company for the year 2023, the internal control evaluators are reminded to pay attention to the main changes in the internal control process in order to standardize and improve the quality of the internal control evaluation work.

Results

42 internal control evaluation staff participated in the on-site training.

Guide to Auditing Material Procurement Contracts

Further standardise the requirements for the management of material procurement contracts and the conduct of audits.

60 employees from various units engaged in material procurement positions attended the training.

Training on 'Strengthening the Recovery of Violations and Responsibility and Promoting Compliance'

In order to promote the whole business scene integrity risk prevention and control, deepen the construction of the 'six-in-one' supervision system, and further strengthen the construction of supervision personnel.

The Audit and Risk Department has made detailed announcements on the scope of the 11 types of accountability, the identification of asset losses and responsibilities, and the accountability and work procedures.

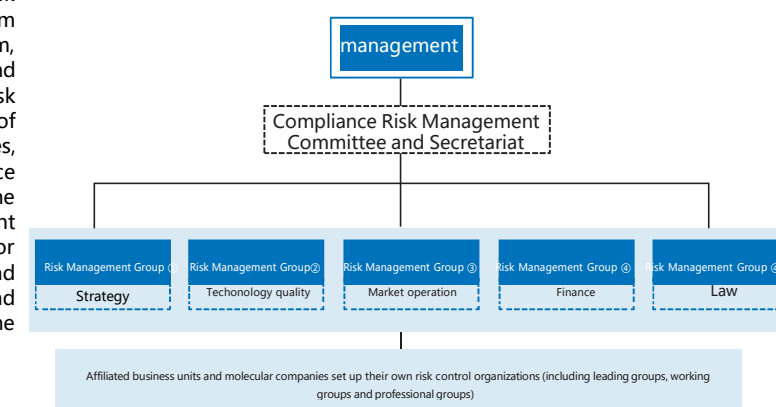


Risk Management System

Risk Management System

Organizational structure

The Company has established a risk management and control organization system led by members of the management team, followed the principle of risk stratification and hierarchical management, associated with risk attributes, implemented a combination of horizontal functions and vertical specialties, and set up the Rule of Law and Compliance Risk Management Committee and the Secretariat, as well as the risk management teams of the Company's five major professional fields (strategy, technology and quality, market and operation, finance, and law), to comprehensively carry out the corresponding duties of risk management.



Management system

The Company has established a series of risk control related management systems, manuals and guidelines, including the "Comprehensive Risk Management Measures", "Information Security Risk Management Measures", "Security Risk Rating and Control and Hidden Trouble Investigation and Governance Management Measures", etc. The scope of these systems covers the specialized fields of safety, environmental protection, information, human resources, finance and operation, etc. The Company has been able to promote the smooth development of its risk control work through various types of mechanisms such as the mechanism for the management and control of major risks, the mechanism for the assessment and review of risks of major projects, the mechanism for the assessment of risks annually and other mechanisms.

Risk management measures

The Company provides comprehensive oversight of risk identification, risk early warning, risk monitoring and control through the Comprehensive Risk Management Approach.

Risk Recognition

Identify the company's risk events throughout the year and develop a risk management program to supervise and manage risk events throughout the company through a hierarchical and graded approach.

Risk warning

Through quarterly risk alerts, the company as a whole is alerted to risks and red alerts are monitored and tracked.

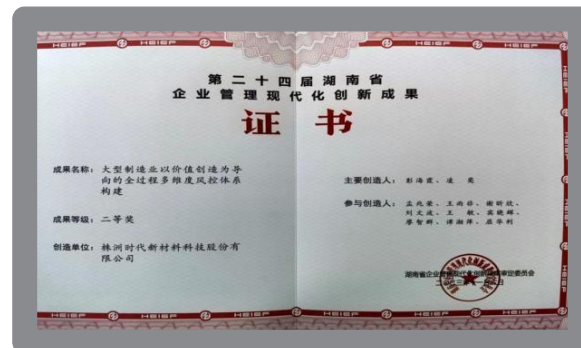
Risk oversight and control

Focus on overseeing the front-end risk management of major investment projects through major project risk reviews.

Risk management results



Combined with the Company's practical experience in major risk resolution, in 2023, the Company compiled the "Management Case of Building a Whole Process Multi-Dimensional Risk Control System for Large Manufacturing Industry Oriented on Value Creation" to illustrate the results of risk control, which was awarded the Second Prize of the Twenty-fourth Hunan Provincial Enterprise Management Modernization Innovation Achievement.



Compliance

Compliance philosophy: "Compliance is our core competency"

Era New Materials has strengthened the planning and top-level design of rule of law construction, actively implemented the "14th Five-Year Plan for Rule of Law Construction" and the relevant requirements of the "8th Five-Year Plan for Universal Law Enforcement", and issued the "Implementation Plan for Demonstration and Creation of Rule of Law Construction Actions of World-Class Enterprises", which provides strong rule of law support and guarantee for the high quality of the company.

Compliance Management System

Organizational structure

Chief Compliance Officer

Strengthen the organizational foundation of compliance management:

- Strengthened organisational leadership and coordination of compliance management.
- Issued the "Chief Compliance Palace Compliance Review Signature List (Trial)" and rigidly implemented the signature

Compliance Administrator

Ensure that compliance requirements are effectively communicated to the business line:

- Build a compliance management system system to ensure the effective operation of the working mechanisms for compliance risk identification and early warning, compliance review, and compliance risk reporting.
- Organise rule of law compliance publicity and training.

Management system

The company has formulated, revised and released 67 specific systems such as "Compliance Management Measures of Times New Material", "Compliance Manual of Times New Material" and 9 overseas compliance guides, continuously improving the system of hierarchical and categorized management system, and advancing the governance of enterprise compliant operation and management in accordance with the law.

Operating mechanism

The Company strictly abides by national laws and regulations, adheres to the rule of law, and continuously establishes and improves compliance risk identification, assessment and early warning mechanism, compliance review mechanism, compliance risk response mechanism, compliance management reporting mechanism, violator rectification mechanism, violation reporting mechanism, and violation accountability mechanism.

2023

Company conducts compliance review Identify Compliance Risks Rate of rectification of violations

More than 18,000

More than 100

100 %

Compliance Culture System

TMT attaches importance to cultivating the atmosphere of rule of law and compliance culture, and actively creates "Compliance New Material". It has formulated the annual "Legal Publicity, Education and Compliance Training Plan", and firmly established the value of compliant operation by organizing and carrying out compliance training, signing compliance commitment, and vigorously publicizing the compliance culture and other measures.

Culture-building category

Thematic studies

It organized the study of rule of law compliance topics and actively played the role of "key minority" demonstration by leading cadres. The company has successively organized the study of materials such as the Implementation Plan for the Rule of Law Construction Demonstration and Creation Action of China CNR's World-class Enterprises and Sun Yongcai's Speech at CNR's Rule of Law Compliance Work Conference in 2023.

Make compliance management a mandatory part of the training for managers, key position holders and new employees, incorporate knowledge related to compliance management into the training program, and carry out compliance thematic training according to the plan.

Development of compliance learning materials

The organization screens and organizes the compilation of laws and regulations and judicial interpretations that are closely related to the work and life of the company and its employees into a booklet, and compiles and publishes "Compilation of Laws and Regulations and Judicial Interpretations of Era New Material" on a quarterly basis, providing an effective way for the majority of the company's employees to understand and master the relevant legal knowledge.

Signing of Compliance Commitment

Organize new employees to sign the Compliance Commitment Letter to continuously enhance the compliance awareness and capability of the company's employees.

Compliance training performance

2023

Training within and outside the
rule of law compliance

57

total

3,000 peoples

We organised 4 training sessions for the SASAC Rule of Law Lecture Series, 8 training sessions for the

Included among these

Rule of Law in Foreign Affairs Series, 1 training session for international business contract compliance, and 2 annual rule of law compliance training sessions for CSR, covering the functions of the Company's head office and business segments.

Compliance Assurance System

In order to guarantee the effective operation of the compliance management system, the Company has clearly stipulated in the "Compliance Management Measures of Times New Material" that it will pursue responsibility for violations, continuously strengthen the level of informatization of the compliance management, gradually enhance the management effectiveness, and provide the necessary conditions for the compliance management work in terms of organization, personnel and technology to guarantee the orderly implementation of the relevant work.

Full coverage of legal compliance review through an information-based platform

In accordance with the requirements of the Compliance Review System, through the information technology platform, to achieve full coverage of legal compliance review of rules and regulations, economic contracts, major decisions. Legal affairs participate in wind power WIN, Barkun, Mengxi Phase II project, Xiangyang Jizi change sub-projects, Dingjiu Technology Company asset transactions and other major projects negotiation, consultation, drafting, review of relevant legal documents, issue legal opinions for the company's major business projects to provide strong legal support.

Implementation of the Chief Compliance Officer review mechanism on the ground

Embedding the compliance review as a mandatory procedure in the operation and management process, making it clear that the compliance review opinion of major decision-making matters should be signed by the chief compliance officer, giving clear opinions on the compliance of decision-making matters, guaranteeing the full participation of the chief compliance officer in major operation and management activities, and promoting the implementation of the chief compliance system on the ground.

Verticalization of rule of law compliance services

In 2023, in light of the actual needs of the business units, the Company re-adjusted the legal service mode, realized the working arrangement of specific legal personnel directly docking with the business units, and established the mode of sitting service of legal personnel in the three major business segments of wind power, rail and industrial engineering, legal personnel attending the general manager's office meeting of the business segments, and further strengthened the review of the legal compliance of the relevant motions to be submitted to the meeting.

Integrity in Construction

Integrity system building

On the basis of strict compliance with the Anti-Corruption Law, Anti-Money Laundering Law and other relevant laws and regulations, the company has formulated and promulgated 32 rules and regulations, such as the Implementation Measures for Discipline Education of Party Members and Cadres, and the Management Measures for Discipline Inspection Committee to Implement the Spirit of the Eight Provisions of the Central Government and the Implementing Rules for Supervision and Inspection, etc., and has strengthened the political supervision, daily supervision, work style supervision, inspection supervision, power supervision, disciplinary supervision, systematic supervision, educational supervision and self-supervision, to make supervision deep and detailed. We will do deep, solid and detailed supervision, give full play to the role of supervision to guarantee the implementation and promote the improvement of development, and provide strong disciplinary guarantee for the high-quality development of the company.

Advancing Anti-Corruption and Integrity

The Company actively promotes the anti-corruption and integrity promotion work. During the reporting period, it took various measures to strengthen the awareness of employees' integrity and self-discipline, to promote the anti-corruption and integrity promotion, and to safeguard the atmosphere of enterprise cleanliness and righteousness.

Integrity advocacy

The company has built the WeChat 'Clean and Lian Xinmai' with a total of 1,244 articles (63 original articles), which has become a benchmark for the new media in the discipline inspection system of CSR. Build 'clean corridor, clean culture wall' and other positions, shaping everywhere 'clean', look up to see 'clean', head down to think 'clean' and always see the clean cultural environment, constructing a clean matrix. Carry out the 'Mingjian' discipline and style education season, through the compilation and distribution of warning case set, carry out style of special quiz and other 'ten one' initiatives, adhere to the warning bells, the case as a forensic, education and guidance of cadres and employees to do a clean, clean work, do catch the small, Prevention of small and small, efforts to create a clean and upright, a strong atmosphere of entrepreneurship, sound and perfect the style of construction of the normal and long-term mechanism.

Integrity Visualization

Design clean themed posters, computer desktops, cell phone screensavers and other promotional items, design and production of clean file bags, clean fans and clean bookmarks and other cultural and creative items, so that the clean culture can be seen, felt and touched.



廉洁教育活动

The first “510 - I want to clean” clean culture week was held, nine thematic activities were carried out, and eight types of clean culture propaganda achievements were launched.



Organize “clean and happy together” clean culture into the family, “send the breeze” clean home visits, to build a strong anti-corruption and anti-corruption “business + family” clean line of defense.



For the new employees of the 2023 session to carry out “4+X” integrity education activities, organizing new cadres to carry out a lecture on cleanliness, going to Chaling Prison to carry out on-site warning education and reading clean books and other activities.



Integrity and Risk Control Program

During the reporting period, the Company continued to promote the integrity risk prevention and control project for the construction of the Innovation Center, established a research account of equipment suppliers, and issued the Notice on the Filing of Leading Cadres' Recommendations for Suppliers Related to the Construction of the Innovation Center.

Efficacy

Throughout the year, 1,940 people participated in clean culture activities and 3,150 people were educated on Party discipline and rules, and a clean culture education system that runs through the entire career cycle of employees was basically formed.

Throughout the year, we supervised and promoted the organisation and implementation of 19 supervision projects, and for the first time, management and supervision were included in the responsibility statement of functional departments. Regularly organised joint meetings and training for supervisors.

Anti-corruption and integrity-related training in total

70

Number of Directors and Supervisors participating in anti-corruption related trainings

23 peoples

Employee participation in anti-corruption and integrity related training coverage.

80 %

Mechanisms for receiving complaints

The company to establish and improve the report acceptance mechanism, the establishment of letters, visits, calls and networks and other reporting channels, while through the office system, e-mail and other ways to continue to open up the channels of letters and visits, broaden the source of clues, and seriously accept reports from the public; formulated the “disciplinary inspection letters and visits to deal with the work of reporting,” “disciplinary institutions to deal with the reply to the report signed by the real name of the work of the provisions of the report,” “party committee to inspect the rectification of the day-to-day supervision of the implementation of the ” and other relevant rules and regulations, timely acceptance, proper handling of letters and visits to report matters.

Annual rectification completion rate

100 %

Letter: Office of Discipline Inspection Committee, No.18 Haitian Road, Tianyuan District, Zhuzhou City, Hunan Province (Postcode:412000)

Visit: Office 510, No.18 Haitian Road, Tianyuan District, Zhuzhou City, Hunan Province, China.

Call: 0731-22884745

Email: tangrong2006@csrzic.com

Party building leads the way

In 2023, we will firmly grasp the theme and main line of in-depth study and implementation of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, anchor the "14th Five-Year Plan" strategic plan and annual goals and tasks, integrate the special action of "Party building and quality improvement" under the leadership of thematic education, continuously deepen the understanding of the theoretical innovations of the Party, and focus on "seven consolidations and deepenings" to realize new breakthroughs in quality improvement, and promote the overall progress and excellence in the Party's building work.

Deepening the Party's political construction

We have consolidated and deepened the political construction of the Party, and realized a new breakthrough in improving the quality of the "flag leadership". In 2023, we will solidly grasp the theme of education, "early" planning, "deep" learning, "true" research, "strict" review, "real" officers, in the deep learning and detailed understanding and conduct, to draw on the deep learning and detailed understanding and conduct. In 2023, we will solidly grasp the theme education, "early" planning, "deep" learning, "true" research, "strict" inspection, "real" officers, and draw the power of progressing deep learning, detailed understanding and sincere behavior; improve the system of safeguarding the "first issue" and gradually establish a sound working mechanism; and insist on the organic unity of strengthening the Party's leadership and perfecting the company's governance.



Thematic meeting

Deepening the Party's ideological construction

We consolidate and deepen the ideological construction of the party, to realize the "ideological navigation" to improve the quality of new breakthroughs. 2023, we build a firm ideological foundation, Civic and political work to further go new and deep; to strengthen the guidance of public opinion, ideological work to strengthen the foundation of the foundation; to cohesion of people's hearts, convergence of forces, the united front work of the good plan and good discussion.



Seminar on quality development

Deepening Talent Building

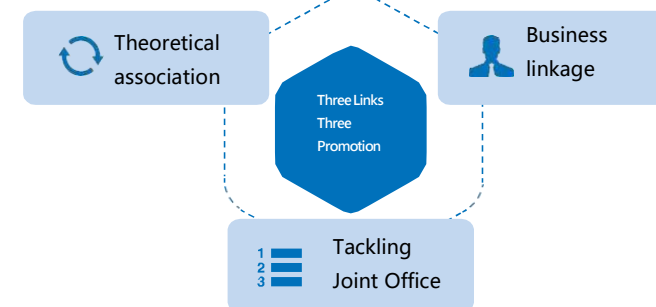
We consolidate and deepen the construction of cadres and talents, and realize the new breakthrough of "talent leading" quality improvement. 2023, we continued to deepen the construction of "five strong" leadership team and reform of cadre and personnel system, and comprehensively promote the construction of cadre system. The company has organized and carried out 4 sessions and 9 competitive selection sessions for middle-level leading cadres, and the proportion of middle-level leading cadres and above competitive selection reached 90% during the year.



Study at the Red Flag Canal Cadre College

Deepening Party Building Business Card Construction

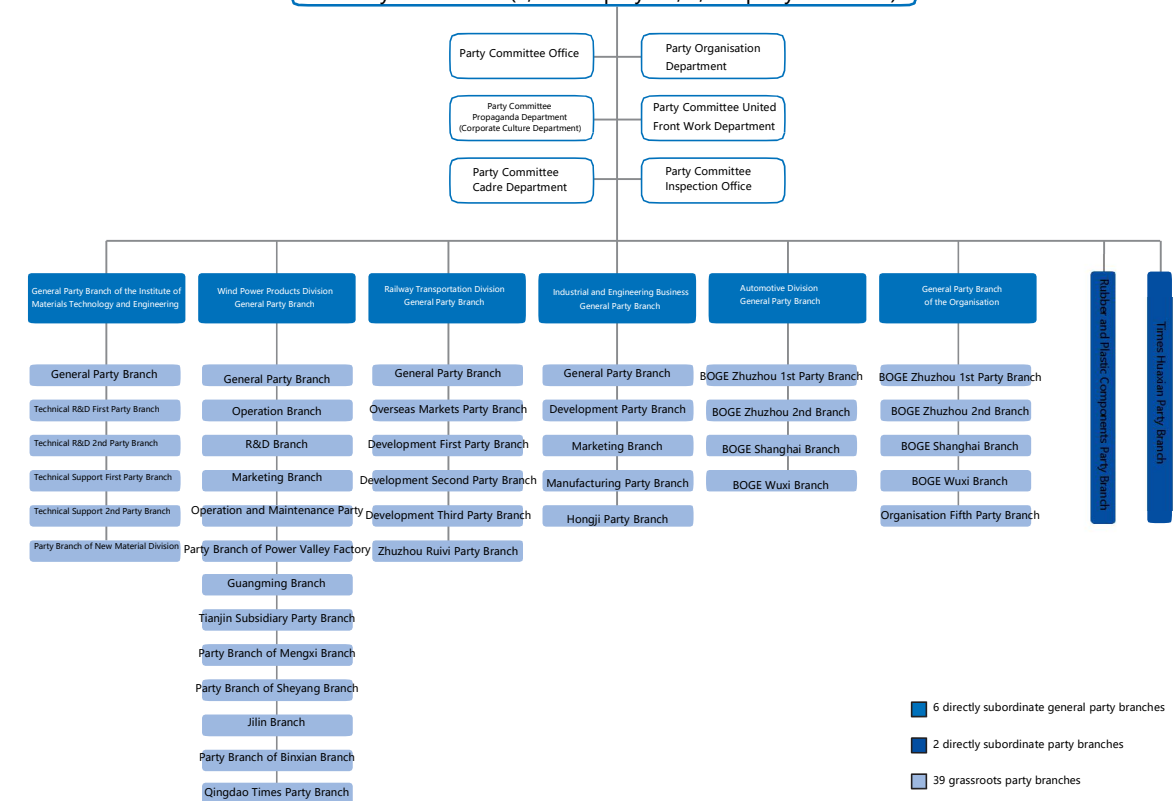
We consolidated and deepened the construction of the "golden name card" for Party building, and realised a new breakthrough in "value leadership" quality enhancement. In 2023, we constructed a "Three Links and Three Promotions" co-construction work pattern to promote synergistic progress in grass-roots party building; fully implemented the "C-H-O-N Party Building Convergence Project" party building brand enhancement programme, and constructed the "Four Convergences and Four Harmonies" party building platform with its own characteristics; highlighted the upgrading of the "Three Foundations" construction, and continued to build the "Value Leadership". It also highlighted the upgrading of the "three fundamentals" construction and continued to practise the basic skills; highlighted the value creation of party building, established a deep integration mechanism, and gave play to the pioneering and exemplary role of party members.



Three Foundations Construction

CPOC CPC	Direct branch of a political party	Basic Party Branch	The number of party members exceeded
6	2	39	1,000

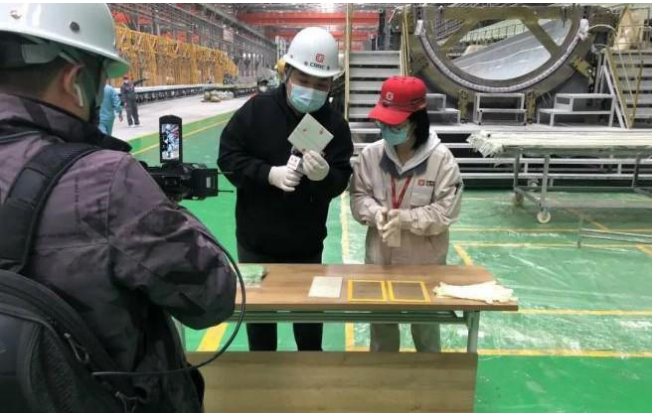
TMT Party Committee (2,939 employees, 1,053 party members)



- 6 directly subordinate general party branches
- 2 directly subordinate party branches
- 39 grassroots party branches

Deepening publicity and culture

We consolidate and deepen the construction of publicity and corporate culture, and realize new breakthroughs in the quality of "cultural comprehension". 2023, we will refine and release the corporate spirit of "truthfulness, refinement, innovation, and success", inherit the cultural origin, and work with one heart and one mind in the work of corporate culture; strengthen internal publicity, empower soft energy, and improve the quality and quantity of internal publicity; continue external publicity, build a new image, and implement colorful external publicity; combine with new media communication methods, spread the brand, and make the publicity work interesting. In 2023, we will refine and release the corporate spirit of "Realism, Refinement, Innovation, and Success", inherit the cultural origin, and work with one heart on corporate culture; strengthen the internal publicity, empower the soft energy, and improve the quality and quantity of internal publicity; continue the external publicity, build a new image, and implement the colorful work of external publicity; and combine the new media with the way of communication, disseminate the brand, and publicize the work of material and emotion.



CCTV news live visit wind blade Jilin factory

Deepening the leadership of the group

We consolidate and deepen the party's leadership of the work of the youth League, and realize a new breakthrough in the quality of the "bridge to lead the heart". 2023, we will build the "House of New Materials" to warm the hearts of the people, and condense the characteristic brand; take the "Four 'Xin' Youth" project as a hand, and build the brand of the Youth League.



The first congress of the Communist Youth League of Zhuzhou Times New Material Technology Co.

Annex 1: Key Performance Chart

Environmental performance		
Indicator name	work unit	2023 value
environmental investment	ten thousand yuan	7,222.24
Total number of people trained in environmental protection	people	7,392
Total GHG emissions (including Scope 1 and Scope 2)	tonnes of carbon dioxide equivalent	100,674.30
Scope I (direct emissions) Total emissions	tonnes of carbon dioxide equivalent	15,882.30
Scope II (Indirect Emissions) Total Emissions	tonnes of carbon dioxide equivalent	84,792.00
Volatile organic compounds emissions	ton	140.52
Nitrogen oxide emissions	ton	6.82
Dust emissions	ton	18.06
Total wastewater discharge	ton	692,178.16
Wastewater discharge density	Tons / Millions of dollars in revenue	39.47
Total waste emissions	ton	7,156.43
Waste emission intensity	Tons / Millions of dollars in revenue	0.41
Combined energy consumption	tons of standard coal	32,322.73
Combined energy intensity	Tons of standard coal / million dollars of revenue	1.84
Total water consumption	ton	1,288,628
water intensity	Tons / Million dollars of revenue	73.48
photovoltaic power generation	totally	2,200
Social performance		
Indicator name	work unit	2023 value
Annual R&D investment	ten thousand yuan	88,289.21
R&D investment as a percentage of operating income	%	5.03
Number of R&D staff	People	1,165
Number of patents filed for the year	↑	341
Of which: patents for inventions	↑	267
Number of patents granted for the year	↑	229
Of which: patents for inventions	↑	155
Cumulative number of standards hosted/participated in	items	62
Of which: international standards	items	5
national standard	items	26
industry standard	items	31
Customer Satisfaction	%	94.04
Number of suppliers	companies	594

Annex 1: Key Performance Chart

Indicator name	Unit	2023 value
Percentage of localized suppliers	%	38
Vendor training hours	Hour	60
Number of vendors trained	people	180
Amount of green procurement	Ten thousand dollars	3,200
Total number of employees on board of the company	people	6,553
Percentage of female managers	%	19.77
Number of Minority Employees	people	98
Number of expatriate employees	people	2,586
By gender	-	-
Number of female employees	people	1,233
Number of male employees	people	5,320
By age	-	-
Number of employees aged 30 and under	people	1,252
Number of employees aged 30 to 40	people	3,135
Number of employees over 40 years of age	people	2,166
By professional composition	-	-
production staff	people	2,802
Sales person	people	473
Technical staff	people	2,543
Treasurer	people	153
Administrator	people	582
By education	-	-
Court academician	people	56
Bachelor's degree	people	1,100
Undergraduate	people	1,589
Specialized and below	people	3,808
Employee Satisfaction	%	100
Staff turnover rate during the year	%	4
Total investment in staff training	Ten thousand dollars	848
Total number of employees trained	people	6,553
Training hours per capita	Hour / p e r s o n	58.56
Number of work-related deaths	people	0
Inputs to production safety	Ten thousand dollars	4,949.56
Number of participants in work safety training	people	36,242

治理绩效		
Indicator name	Unit	2023 value
Procurement of agricultural products from supportive areas	tenthousand dollars	46.80
Number of volunteers	people	400
Volunteer hours	hour	800
Revenues	tenthousand dollars	1,753,786.71
Total assets	tenthousand dollars	1,823,000.86
Net profit attributable to shareholders of listed companies	tenthousand dollars	38,615.77
Total tax payments	tenthousand dollars	47,033.48
Social contribution per share	yuan	4.20
Number of meetings held by the Board of Trustees	substandard	9
Number of matters discussed and considered by the Board of Trustees	Items	64
Number of meetings of the Supervisory Board held	Substandard	8
Number of matters discussed and considered by the Supervisory Board	Items	19
Number of shareholders' meetings held	Substandard	3
Number of matters discussed and considered at the General Meeting of Shareholders	Items	18
Number of investor receptions	Substandard	40
Number of performance briefings held	Substandard	3
SSE E Number of interactive responses	Substandard	20
Audit projects throughout the year	↑	14
Number of compliance reviews	Substandard	18,000
Identify Compliance Risks	Items	100
Rate of rectification of non-compliance issues	%	100
Number of compliance trainings	Substandard	57
Number of anti-corruption and integrity-related trainings	Substandard	70余
Coverage of employee participation in anti-corruption and integrity-related training	%	80
Number of directors and supervisors participating in anti-corruption related trainings	people	23
Number of directly affiliated party branches	↑	6
Number of direct party branches	↑	2
Number of grass-roots party branches	↑	39
Number of party members	people	Over 1,000

Annex 2: Index of Reports

catalogs		CASS-ESG 5.0	Reference Indicator System for ESG Reporting of Listed Companies Held by Central Enterprises
Presentation of the report			
Concerning the present report		P1.1、P1.2、P1.3	/
Chairman's Message			
Into the era of new materials			
Company Profile		P4.1	/
Business Layout and Development		P4.3	/
Company History		/	/
Corporate Strategy and Culture		P4.2	/
Annual honor		/	/
ESG Management			
ESG Working Mechanisms		G3.2、G3.11	/
Stakeholder communication		G3.6	/
Analysis of substantive issues		G3.5	/
Feature: Deepening "Belt and Road" Construction, Creating China's "Golden Card"			
Feature: Deepening "Belt and Road" Construction, Creating China's "Golden Card"		V1.1、V1.2、V1.3	S4.4.3
Environment Low-carbon new materials to protect the green future			
Responding to climate change		E5.1、E5.2、E5.3、E5.4、E5.5、E5.6、E1.8、E2.9、E2.14	E3.1.1、E3.1.2、E3.1.3、E3.1.4、E3.2.1、E3.2.2、E3.4.1、E5.2.1、E5.2.3、E5.3.1、E5.4.4
Environmental system management		E1.1、E1.4、E1.6、E1.7、E1.9	E5.5.1、E5.6.1、E5.6.2
Enhanced pollution management		E3.1、E3.2、E3.3、E3.4、E3.5、E3.6、E3.8	E2.1.2、E2.1.3、E2.1.4、E2.2.2、E2.3.2、E2.3.3、E2.3.4、E2.3.5
Reduced resource consumption		E2.2、E2.3、E2.6、E2.9、2.10、E2.11	E1.1.1、E1.1.4、E1.3.1、E1.3.2、E1.3.4、E1.3.5、E5.2.1、E5.2.2、E5.2.3、E5.4.2、
Protection of biodiversity		E4.1、E4.2、V4.4	E4.1.1
Building a Green Factory		E1.8、V4.3、	E5.2.2、E5.2.3、E5.4.1、E5.4.2
Society Responsible New Material Creating a Harmonious Era			
Research and Development Innovation		V2.1、V2.2、V2.3、V2.4、V2.7、V2.8	S2.3.1、S2.3.2、S2.3.3、S2.3.4
Quality management		S4.1	S2.1.2、S2.1.3
Client service		S4.4、S4.5、S4.7	S2.2.1、S2.2.2
Supplier Management		S5.1、S6.2、S6.3、S6.6	S3.1.1、S3.1.2、S3.2.1、S3.2.2
Industry chain management and industry cooperation		V2.5	S3.2.1
Employee rights and benefits		S1.1、S1.2、S1.3、S1.4、S1.6、S1.7、S1.8、S1.10、S1.11、S2.1、S2.2、S3.1、S3.2、S3.4、S3.5、S3.6、S3.7、S3.8、S3.9、S3.11	S1.1.1、S1.1.2、S1.1.3、S1.2.1、S1.2.3、S1.2.4、S1.3.1、S1.3.2、1.3.4、S1.4.1、S1.4.2、S1.4.3、S1.5.1、S2.1.1
Digital construction		/	S4.4.1
Strategic public goods		V1.1、V1.2、V1.4、V3.4、V3.7	S4.2.1、S4.2.2、S4.3.1、S4.3.2、S4.4.2
Governance Robust new materials Compacting the cornerstone of development			
Corporate governance		G1.1、G1.2、G1.3	G1.1.1、G1.2.1、G1.2.2、G3.2.1
Value management		G1.10、G1.11、G3.6、G3.7	G3.1.1、G3.1.2、G4.2.1
Internal control		G1.3、G1.4	G2.1.1、G2.1.2
Risk management		/	G5.2.1、G5.2.2、G5.2.3
Compliance		G1.3、G1.4	G5.1.1、G5.1.2
Integrity in Construction		G1.6、G1.7、G1.8	G2.2.1、G2.2.2
Party building leads the way		/	G1.1.4

