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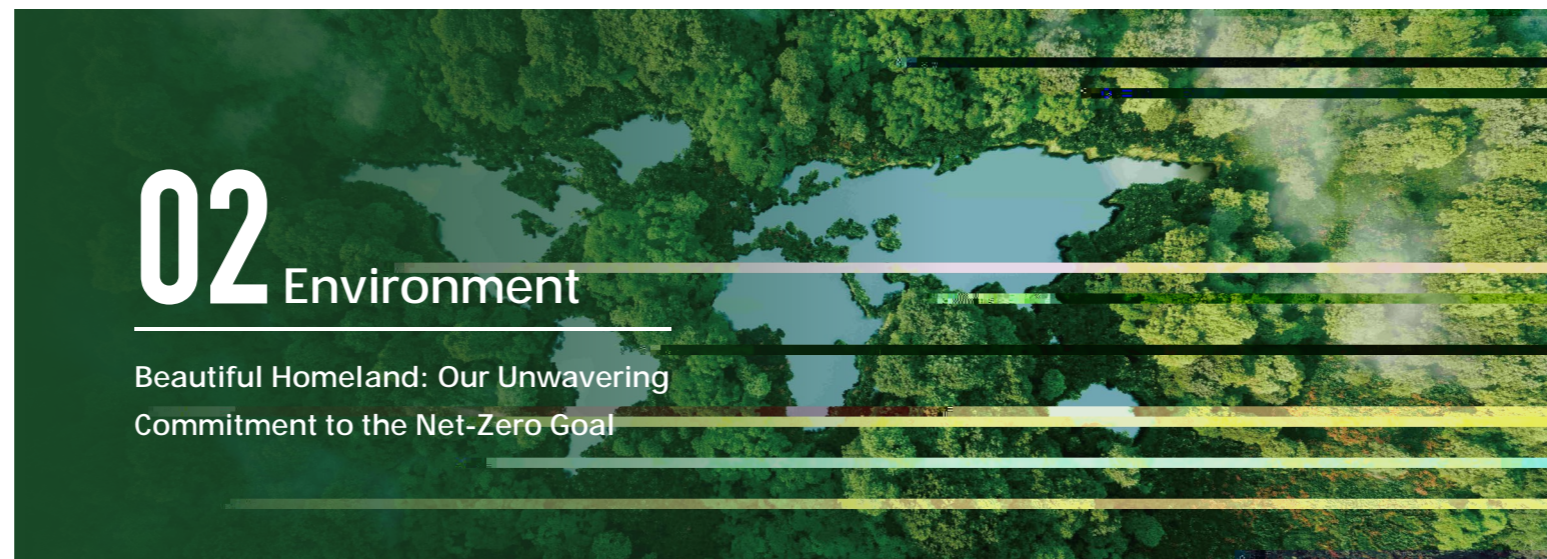
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# About This Report

This report is the second Environmental, Social, and Governance report (hereinafter referred to as “ESG report”) issued by Guangzhou Zhiguang Electric Co., Ltd. (hereinafter referred to as “Zhiguang Electric”, “the Company” or “We”). In the principles of objectivity, standardization, transparency, and comprehensiveness, this report provides a detailed disclosure of the Company’s practices and performance in environmental, social, and governance for the year 2024.

## Reporting Scope

## Reporting Period

This report covers the period from January 1, 2024 to December 31, 2024 (the “Reporting Period”). To improve the comparability and completeness, some sections of this report may be appropriately referred to previous years or contains forward-looking

a substantive commitment of the Company to investors. Investors are advised to pay attention to investment risks and should

## Preparation Basis

2021 Sustainability Reporting Standards (GRI Standards) of the Global Reporting Initiative

China Enterprise Reform and Development Society *Guidelines for Sustainable Development Reports of Chinese Enterprises (CASS-ESG 6.0)*

*Self-Regulator Guidelines No. 17 for Companies Listed on Shenzhen Stock Exchange - Sustainability Report (For Trial Implementation)* issued by Shenzhen Stock Exchange

*Self-Regulator Guidelines No. 3 for Companies Listed on Shenzhen Stock Exchange - Preparation of Sustainability Reports* issued by Shenzhen Stock Exchange

## Data Explanation

data, internal statistical reports of the Company, third-party questionnaire surveys, third-party evaluations or interviews, etc. The

Term	Interpretation
Zhiguang Electric, We and the Company	Guangzhou Zhiguang Electric Co., Ltd.
Zhiguang Electric Technology	Guangzhou Zhiguang Electric Technology Co., Ltd., a wholly-owned subsidiary of the Company
Lingnan Cable	Guangzhou Lingnan Cable Co., Ltd., a wholly-owned subsidiary of the Company
Zhiguang Integrated Energy	Guangdong Zhiguang Integrated Energy Co., Ltd., a wholly-owned subsidiary of the Company
Zhiguang Equity Investment	Guangzhou Zhiguang Private Equity Investment Fund Management Co., Ltd., a wholly-owned subsidiary of the Company
Shanghai Zhiguang	Shanghai Zhiguang Electric Power Technology Co., Ltd., a wholly-owned subsidiary of the Company
Zhiguang Energy Storage	Guangzhou Zhiguang Energy Storage Technology Co., Ltd., a holding subsidiary of the Company
Zhiguang Automation	Guangzhou Zhiguang Automation Co., Ltd., a holding subsidiary of the Company
Zhiguang Econ	Hangzhou Zhiguang Econ Technology Co., Ltd., a holding subsidiary of the Company
Knowledge City Zhiguang Hengyun	Knowledge City Zhiguang Hengyun (Guangzhou) Integrated Energy Investment and Operation Co., Ltd., a holding subsidiary of the Company
Xidu Power	Xidu (Guangdong) Power Investment Co., Ltd., a holding subsidiary of the Company
Hengyuan New Energy	Pingyuan Hengyuan New Energy Technology Co., Ltd., a holding subsidiary of the Company
Zhiguang Energy Conservation and Environmental Protection	Guangzhou Zhiguang Energy Conservation and Environmental Protection Co., Ltd. (formerly known as Guangzhou Zhiguang Energy Conservation Co., Ltd.), a wholly-owned subsidiary of Zhiguang Integrated Energy
Huayue Power	Guangzhou Huayue Power Engineering Design Co., Ltd., a holding subsidiary of Zhiguang Integrated Energy
Zhiyouying	Guangdong Zhiyouying Energy Technology Co., Ltd., a wholly-owned subsidiary of Zhiguang Integrated Energy
Hubei Huayao	Hubei Huayao Biotechnology Co., Ltd., a holding subsidiary of Zhiguang Energy Conservation and Environmental Protection

## Access to this Report

This report is published in electronic form. You can download the electronic version of this report from the website of Shenzhen

Company. This report is released in both Chinese and English versions. For any discrepancy between the Chinese and English versions, the Chinese version shall prevail. If you have any questions or suggestions about the report, you can send an email to (sec@gzzg.com.cn) or call 020-83909333.

## Feedback

If you have any comments or suggestions on the sustainability of our company, please feel free to contact us as follows to help us continuously improve our report.

📞 Securities Service Hotline: 020-83909333	✉️ Company Email: sec@gzzg.com.cn
☎️ Investor Service Fax: 020-83909222	📍 Address: No. 89 Ruihe Road, Huangpu District, Guangzhou, Guangdong
🌐 Company Website: www.gzzg.com.cn	

# Message from the Chairman



Zhiguang Electric, with its spirit of innovation, responsibility, unity and perseverance, has become a leading provider of digital energy technology and integrated energy services. In 2024, we adhered to the business philosophy of “helping customers use energy safely, economically and comfortably”, and continuously and deeply implemented the ESG concept. While promoting the development of the enterprise, we made our contributions to the society and environment, striving to achieve excellence and

**Compliance was integrated into the entire operation chain, and governance was optimized for transparent decision-making.**

In 2024, we further integrated our awareness of compliance into every link of the enterprise operation, and strengthened the internal training and supervision mechanism, so as to ensure that every decision and action of the Company complied with laws, regulations and ethical standards. Meanwhile, we proactively optimized the corporate governance structure, and promoted

transparency of our decision-making. In communication with investors, we adhered to the attitude of sincerity and responsibility, disclosed the Company’s information in a timely and accurate manner, and protected the rights and interests of investors, which made us earn the trust and recognition of the capital market.

**R&D investment brought together talented experts, and technological iteration fueled transformation.**

In 2024, we increased our investment in R&D, gathered top talents in the industry, and focused on the application of integrated energy technology, power electronics technology and digital technology, continuously launching innovative

support for the construction of a new power system and facilitated the acceleration of the transformation of energy structure towards green and low-carbon. We integrated the advanced technologies into the entire process of product design and manufacturing, which not only improved the product quality but also reduced the energy consumption and environmental impact during production, practicing the concept of green development with concrete actions.

**Products and services reduced the carbon emissions and saved the energy, and system optimization led the green trend.**

In 2024, we always adhered to our original aspiration and actively responded to the national “dual carbon” goals.

continuously optimized our environmental management system, pursued energy conservation and emission reduction measures in production and operations, and explored new models for resource recycling to reduce the negative impact on the environment from the source. Additionally, we actively participate in industry exchanges and standard setting to promote the green and sustainable development of the entire energy industry.

In 2024, we were committed to building a more complete talent development system. Through various means such as internal training, external exchanges, and project-based practices, we provide employees with abundant growth opportunities to help them enhance professional competencies and comprehensive abilities. We prioritized the physical and mental health of employees, improved the labor protection measures, and created a safe and comfortable working environment. The colorful employee activities further strengthened team cohesion, enabling every Zhiguang employee to feel the warmth of a family and igniting their work passion and creativity.

on the large-scale development of energy storage, and continue to deeply engage in the key business of the new power system, injecting strong impetus into the transformation and upgrading of the energy structure. Guided by technological innovation, we will continuously expand our business scope, improve the level of integrated energy services, and strive

the new development concept of dual carbon. We are willing to stand ready to collaborate with domestic and international industrial partners, proactively embracing future opportunities and challenges. Together, we will navigate the tides of sustainable development, co-creating a brighter future while contributing Zhiguang’s expertise to advance global energy transition and societal progress.

# About Zhiguang Electric



Zhiguang Electric was established on April 9, 1999, with its headquarters in Guangzhou. It was listed on the Shenzhen Stock Exchange on September 19, 2007 (Stock Code: 002169) and currently has several wholly-owned and holding subsidiaries. The Company upholds the business philosophy of “helping customers use energy safely, economically, and comfortably” . Over the past 20 years, it has been focusing on the energy technology, with its core business including digital energy technology and

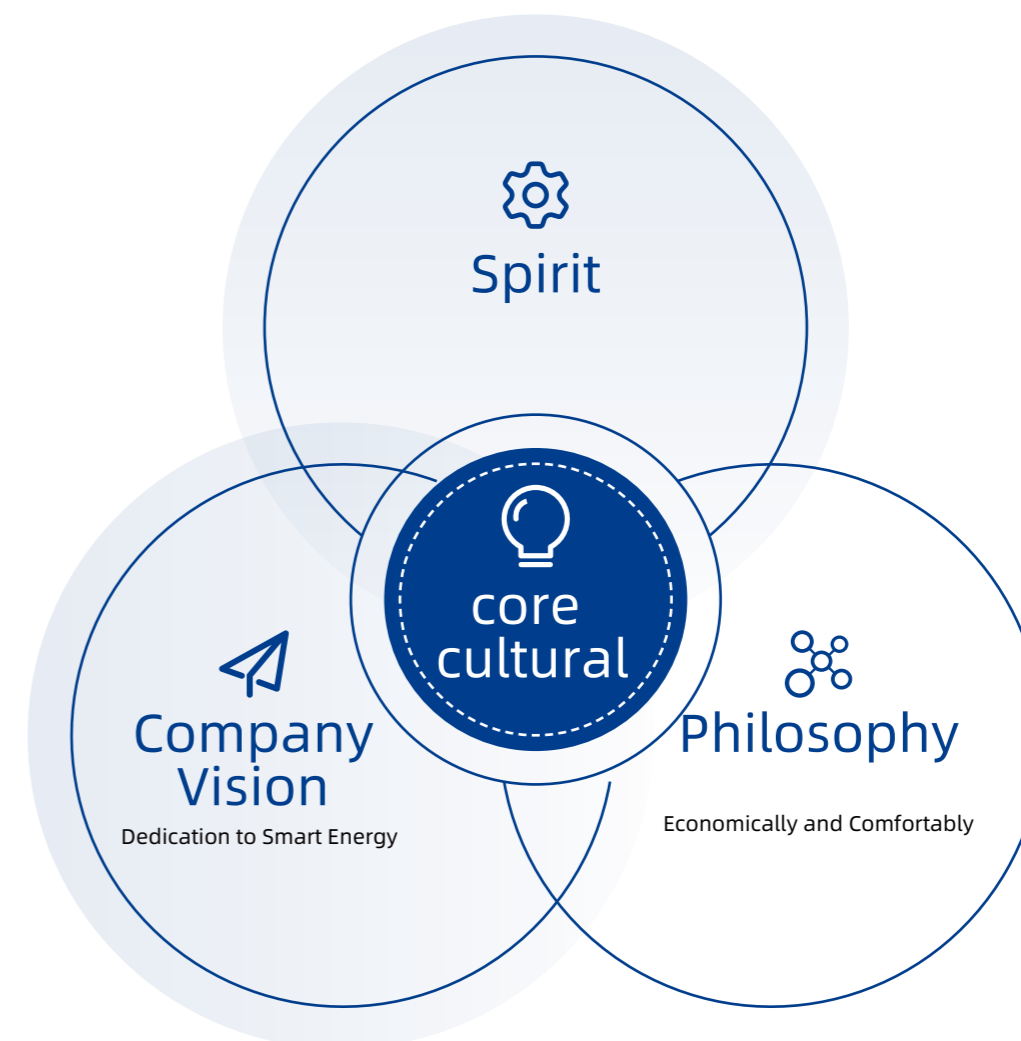
national energy transformation as the development opportunity, the Company focuses on integrated energy technology, power electronics technology, digital technology and their applications. With an emphasis on the large-scale development of energy storage, we continuously strengthens the key business of the new power system. Through technological innovation, service innovation, business model innovation, and capital operation, the Company constructs a multi-level operation framework and an open business platform to build a digital energy technology and integrated energy service enterprise group with a leading position under the new development concept of “dual carbon” . Currently, the Company has supplied products and services for more than 4,000 customers in more than 40 countries and regions around the world. We can save 20.8 billion kWh of electricity

Company fully helps the global energy transformation and upgrading towards green and low-carbon.



## © Corporate Culture

After more than 20 years of stable operation, Zhiguang Electric has gradually accumulated and formed a unique corporate vision, mission and core values that conform to the Company's development context.



## © Major Events in 2024

### January

The 2024 China Energy Storage CEO Conference and the Preliminary Contest of the 8th International Energy Storage Innovation Competition came to a successful conclusion. In this grand gathering of the energy storage industry, the Chairman of Zhiguang Energy Storage was invited to participate in a high-end dialogue on the future development direction of energy storage.

### April

session of Zhiguang Energy Storage CNAS Laboratory Accreditation Project were grandly held in Yunpu Industrial Park, Guangzhou. Zhiguang Energy Storage would build a high-level CNAS laboratory, create a more platform, comprehensively improve the testing capabilities and technical standards for the performance of system equipment, and safeguard the performance and quality of products.

### June

Huayue Power and China CACS Engineering Corporation conducted in-depth discussions and exchanges on project cooperation and technological innovation, and overseas Tantangan 99MWp photovoltaic project in the Philippines, Power in expanding its international business.

### July

The 14th Meeting of the Guangdong-Singapore Collaboration Council was grandly held at the International Convention and Exhibition Center in the China-Singapore Guangzhou Knowledge City. Zhiguang Electric, together with Keppel and the China-Singapore Guangzhou Knowledge City Investment Development Co., Ltd. (hereinafter referred to GKC JV Co), jointly signed the *Memorandum of Cooperation on the Cooperative Development of Intelligent Low-carbon Urban Energy Infrastructure in the China-Singapore Guangzhou Knowledge City*.

### October

We jointly developed with Huaneng Clean Energy Research Institute and completed the construction of the world's highest-altitude and largest-scale cascaded high-voltage energy storage power station so far.

### December

Zhiguang Energy Storage helped Inner Mongolia Chuangyuan Alloy Limited break a new industry record in the application of user-side energy storage. The total newly added load was 610MW, and the newly built supporting new energy scale was power, 210MW of photovoltaic power, and 113MW of energy storage. The project was equipped with high-voltage cascaded energy storage.

### March

The Company, together with its subsidiaries Zhiguang Electric Technology, Zhiguang Energy Storage, and Shanghai Zhiguang, Activity. Through links such as leader speeches, team oaths, and "Chain of Trust Communication", we emphasized the importance of quality for the Company's survival.

### May

Zhiguang Electric participated in the Solar & Storage Live Australia 2024 with its full range of international products, aiming to strengthen international exchanges, promote the optimization and transformation of the energy structure, and contribute to achieving global sustainable development and addressing climate change.

### September

Zhiguang Energy Storage assisted the type wind farm, Ganhekou North and South Wind Farms in Guazhou, Gansu, to be successfully put into operation. It successfully completed the station-level test of the "primary power source type wind turbine generator+ self-synchronous voltage source energy storage system".

### November

Zhiguang Energy Storage was approved by the Guangzhou Vocational Capacity Construction Guidance Center for the evaluation Vocational Skill Levels in Enterprises", marking a solid step for Zhiguang Energy Storage on the road becoming one of the few high-tech enterprises in Huangpu District that on Vocational Skill Levels in Enterprises".

# Digital Energy Segment

The core business of Zhiguang Electric include digital energy technology and products, overall solutions for integrated energy

## Business Layout

Guangzhou Zhiguang Energy Storage Technology Co., Ltd. was established in 2018 and is a holding subsidiary of Zhiguang Electric. It indicates an important layout of Zhiguang Electric in the strategic development direction of digital

## Zhiguang Automation

Guangzhou Zhiguang Automation Co., Ltd., established in 2011, is a high-tech and high-growth enterprise in the integration of software and hardware for power automation and informatization in power, industrial enterprises, comprehensive protection, low voltage motor protection, series of measurement and control instruments, leakage and management system, and has obtained a number of technical invention and utility model patents.

## Zhiguang Econ

Hangzhou Zhiguang Econ Technology Co., Ltd., established in 2006, is a leading comprehensive information service high-tech enterprise and a software enterprise in Zhejiang Province. The company has a complete quality management system for software development, products, and technical services, and has passed the ISO9001 quality management



## © Integrated Energy Services

### Zhiguang Integrated Energy

Guangdong Zhiguang Integrated Energy Co., Ltd. was established in 2014. Closely adhering to the vision of the “dual carbon” goal, it focuses on integrated energy technology and services, constructs a networked power consumption service system with an innovative business model, and provides one-stop services such as integrated energy invest-

and medium-sized users in the power, building materials, metallurgy, municipality, energy, and other industries, becoming a trusted one-stop integrated energy technology and service solution provider for customers.

### Zhiguang Energy Conservation and Environmental Protection

Guangzhou Zhiguang Energy Conservation and Environmental Protection Co., Ltd., established in 2010, is a large

of the People's Republic of China. It is committed to providing one-stop energy conservation renovation services for large and medium-sized enterprise customers in the power, building materials, metallurgy, petroleum, coal, and other

exploring, extending and strengthening business coordination and linkage. It implements the development strategy of “energy conservation + environmental protection” as the two main businesses. Taking waste treatment and sludge

mation and upgrading of the enterprise.

### Huayue Power

Guangzhou Huayue Power Engineering Design Co., Ltd., as a holding subsidiary of Zhiguang Electric, is a high-tech enterprise dedicated to consulting, design, and general contracting of power and integrated energy engineering. The

The company has a professional and well-equipped engineering technical team with strong comprehensive strength, which can provide users with the whole-process energy services of the “power generation side, power grid side, and user side” , including traditional thermal power generation, waste heat power generation, natural gas CCHP,

photovoltaic, charging stations, and cold storage.

### Zhiyouying

service cloud platform with comprehensive analysis and processing of cloud data as the core, relying on the innovative thinking concept of Internet +, through online collection of power consumption information, intelligent data analysis and

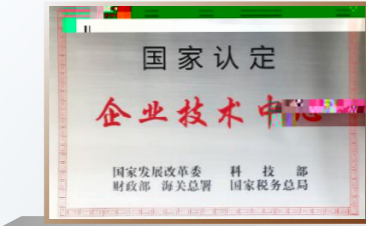
operation and maintenance services for electrical equipment and power consumption information services. Moreover,

sumption to large-sized industrial enterprises, industrial parks, commercial complexes, large public buildings, schools, etc.



# ◎ Main Honors and Awards

## Zhiguang Electric



National Enterprise Technology Center



SSDI "Little Giant" Enterprise



Guangdong Engineering Technology Research Center



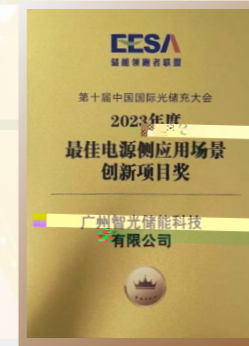
2024 Listed Company ESG Value Delivery Award



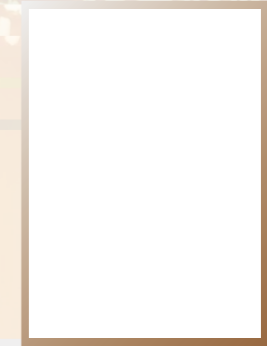
"Integrated Innovation Excellence Award" in the New Energy Storage Product Track



Best New Energy Storage Technology Innovation Award in China's Energy Storage Industry



Best Innovation Project Award in Power Supply Side Application Scenarios

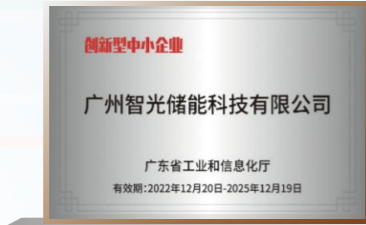


Innovation Award for New Energy Storage PCS Enterprises

## Zhiguang Energy Storage



"Outstanding Technology Award for Energy Storage System" issued by IEEE PES Energy Storage and Stationary Battery Satellite Committee



Zhiguang Energy Storage - Innovative Small and Medium-sized Enterprise



In 2024, the "Cascaded High-Voltage and Large-Capacity Energy Storage Technology" was selected into the Recommended Catalog of Energy Conservation and Carbon Reduction Technologies and Equipment by the Ministry of Industry and Information Technology



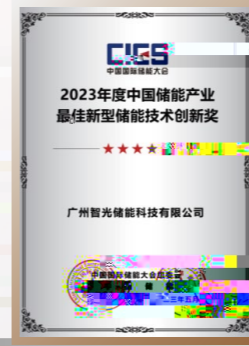
Top 10 Models of Energy Storage Technology Innovation



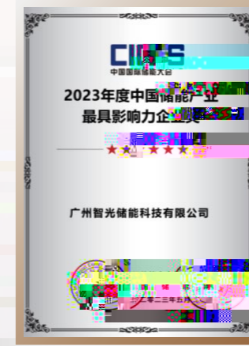
SNEC Top Ten Highlights Selection - Excellence Award for Energy Storage Technology



"Golden Vine Award for Technology Innovation in Energy Storage Products"



Best New Energy Storage Technology Innovation Award in China's Energy Storage Industry



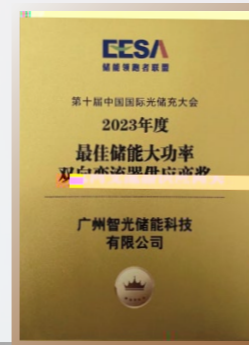
Award in China's Energy Storage Industry



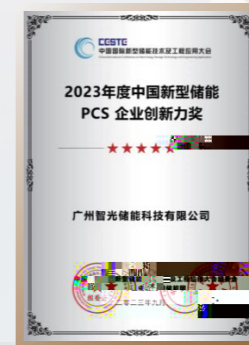
Top 10 Models of Energy Storage Technology Innovation



Innovation Award for New Energy Storage System Integrators in China



Best Supplier Award for High-Power Bidirectional Converters in Energy Storage



Innovation Award for New Energy Storage PCS Enterprises



2024 Single Champion Manufacturing Enterprise in Guangdong Province



First Prize in the New Energy Storage Product Track of the Innovation Competition in Energy Electronics Industry and the Third Advanced Energy Storage Technology Innovation Challenge

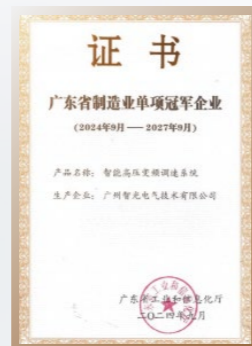
## Zhiguang Electric Technology



“Second Prize of Technology Invention Award” in Mechanical Industry Science and Technology Award



Second Prize of the Science and Technology Progress Award from China Ports and Harbours Association

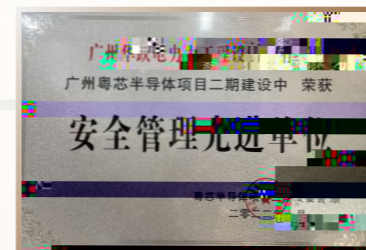


2024 Single Champion Manufacturing Enterprise in Guangdong Province

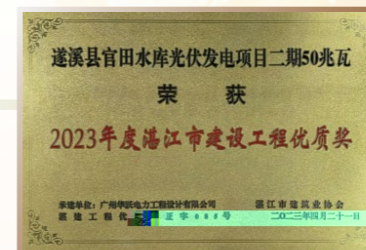


First Prize in the “Third National Advanced Energy Storage Technology Innovation Challenge” in 2024

## Huayue Power



Management



High-Quality Award for Construction Projects in Zhanjiang City



“Bauhinia Cup” Award

## Lingnan Cable



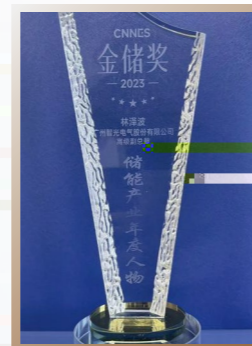
“High-Quality Energy Storage Enterprise” in 2024



“Leading Enterprise Award in the Energy Storage Industry”



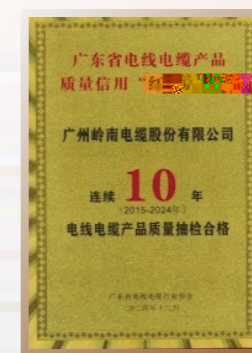
“Advanced Technology Award for Cascaded High-Voltage and Large-Capacity Energy Storage Systems”



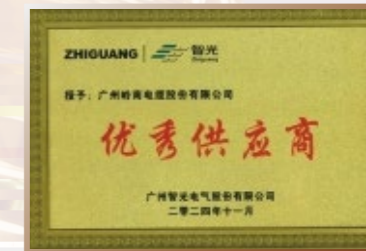
“Annual Figure Award in the Energy Storage Industry”



Top 30 High-Tech Enterprises in Nansha District



Enterprise on the “Honor Roll” of Quality Credit



Excellent Supplier

## Zhiyouying



“Best Innovation Project Award in Source Grid Side Application Scenarios” in 2024



Excellence Award of Growth Group in New Energy and New Energy Vehicles



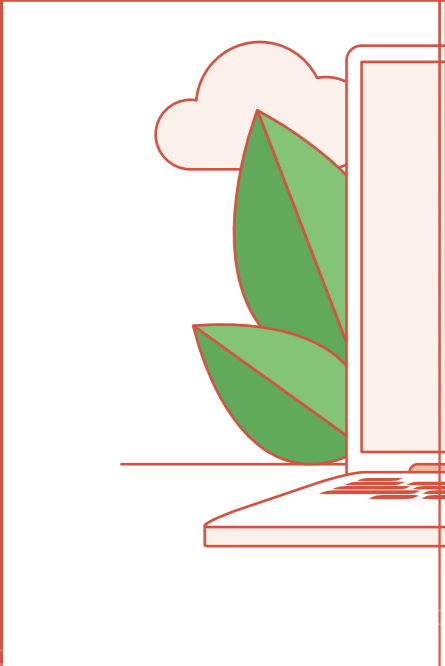
Excellent Quality Manager of CanSemi Phase II



Outstanding Contribution Award of CanSemi Phase III



Digital Constructio



Zhiguang Electric is committed to deepening the collaboration with research institutions and universities. It jointly establishes teaching practice bases with universities to achieve in-depth integration of industry, university and research institute, promotes

and ensures its technological leadership and market competitiveness.

Jointly Building a Teaching Practice Base to Create the Future with University-Enterprise Cooperation



On January 8, 2024, the unveiling ceremony of the teaching practice base jointly built by the School of Electric Power successfully held. This collaboration would jointly promote the deep integration of education and practice, and jointly promote the development of education and the industry, so as to make contributions to the prosperity and development of the country.



es. This visit enabled students to engage directly with enterprise, gain insights into the rapid expansion of the new energy

Zhiguang Electric's strength to university-enterprise cooperation.

Converging Strengths in Cutting-Edge Technologies, Collaborative Synergy for Sustainable Growth



gathered together with the Company's R&D engineers and technical support engineers to learn forward-looking technologies, explore cutting-edge industry information, and hold a seminar on "Research on the Control Strategy of Grid-forming Converters and the Application of Power Electronics Technology". This exchange activity attracted more than 160 people to attend. All participants gained new insights and thoughts on the application research and innovation of the

professional questions and forward-looking opinions during the interaction session.



# Greenhouse Gas Emissions

## Scope 1 and 2 Emissions

### 2023 Emissions

### 2024 Emissions

### 2025 Emissions

### 2026 Emissions

### 2027 Emissions

### 2028 Emissions

2023 Emissions

2024 Emissions

2025 Emissions

2026 Emissions

2027 Emissions

2028 Emissions

2023 Emissions

2024 Emissions

2025 Emissions

2026 Emissions

2027 Emissions

2028 Emissions

2023 Emissions

2024 Emissions

2025 Emissions

2026 Emissions

2027 Emissions

2028 Emissions



The 3rd Forum on the Commercial Application of Energy Storage Technology on the Power Generation Side



From November 7 to 8, 2024, the "3rd Forum on the Commercial Application of Energy Storage Technology on the Power Generation Side" hosted by the Huaneng Clean Energy Research Institute was successfully held. Zhiguang Energy Storage was invited to attend this conference and shared with industry peers the application of energy storage technology by Zhiguang Energy Storage on the power generation side and its project construction information.



Becoming One of Top 100 Brands in New Energy Storage



During the Reporting Period, Zhiguang Energy Storage, with its excellent performance and technological leading edge in the new energy, was listed on the "Top 100 Brands of New Energy Storage in China". Zhiguang Energy Storage would continue to uphold the business philosophy of "the advocate and leader of cascaded high-voltage and large-capacity energy storage technology". Through continuous technological innovation and market expansion, it would provide



In November 2024, Zhiguang Energy Storage was approved by the Guangzhou Vocational Capacity Construction Guide-



## Energy Storage Goes Global to Pioneer New Overseas Markets

In 2024, against the backdrop of the accelerated global energy transformation and the advancement of the “dual carbon” goal, the energy storage industry ushered in a crucial development period. With the rapid growth of the installed capacity of new energy, the demand for energy storage regulation in the power system has surged. Energy storage has become the core support

*The Energy Law of the*

*People's Republic of China* has clearly promoted the high-quality development of new energy storage. The *Action Plan for the High-Quality Development of the New Energy Storage Manufacturing Industry* jointly issued by eight ministries has also laid a solid policy foundation for the industry's development, driving the industry towards high-end, intelligent, and green development. In

in the country.

## Energy Storage Project

Energy Storage Technology Reaches New Heights!

Case



was put into operation, which has been the highest-altitude and largest-scale cascaded high-voltage energy storage

Company attached great importance to the project implementation and mobilized its top resources to fully ensure the

high-quality products and services, Zhiguang Energy Storage unswervingly followed the path of green development and practiced the “dual carbon” goal with practical actions.



Zhiguang Energy Storage Assisted the World's First Primary Power Source Type Wind Farm to be Successfully Put into Operation!

Case



The whole energy storage project of the Ganhekou North and South Wind Farms in Guazhou, Gansu Province was successfully put into operation. It

a demonstration benchmark for new energy with energy storage projects. The total installed capacity of the wind farm in this project was

source high-voltage direct-connection energy storage system (that is, a grid-forming cascaded high-voltage energy storage system) provided by Zhiguang Energy Storage. Its strong grid fault support capabilities, excellent frequency regulation and inertia support capabilities, and the ability to adapt to the power grid with a high short-circuit ratio enhanced the power supply reliability and stability of wind power, and fully demonstrated the excellent strength and innovation ability of the

accumulated valuable experience for the sustainable development of the wind power industry.

The grid-forming energy storage project on the user side of Inner Mongolia Chuangyuan Alloy Limited was equipped with a grid-forming

which was the user-side grid-forming energy storage system with the largest installed capacity in China.

The Phase II and III of the Qingyuan Independent Energy Storage Power Station project commenced construction simultaneously, with a cumulative capacity exceeding 1GWh, making it become the independent energy storage power station with the largest scale of energy storage in

electrochemical energy storage industry.

In the source-grid-load-storage integrated grid-forming cascaded high-voltage energy storage project in Wujiaqu City, Xinjiang, the on-site

high-voltage and large-capacity energy storage system was delivered with high quality under adverse weather conditions, which demonstrated the Company's R&D strength in new energy working conditions and the ability to deliver large-scale projects in an ultra-short period.

The 100MW cascaded high-voltage independent energy storage power

applied Zhiguang's cascaded high-voltage and large-capacity energy storage technology. The project could integrate consume up to 70 million kWh of clean energy into the power grid annual, and provide nearly 60 million kWh of electricity during peak demand periods.



Zhiguang Energy Storage Assisted the World's First Primary Power Source Type Wind Farm to be Successfully Put into Operation!



The new smart independent energy storage project in Pingyuan, Meizhou successfully held its groundbreaking ceremony. With a single-unit



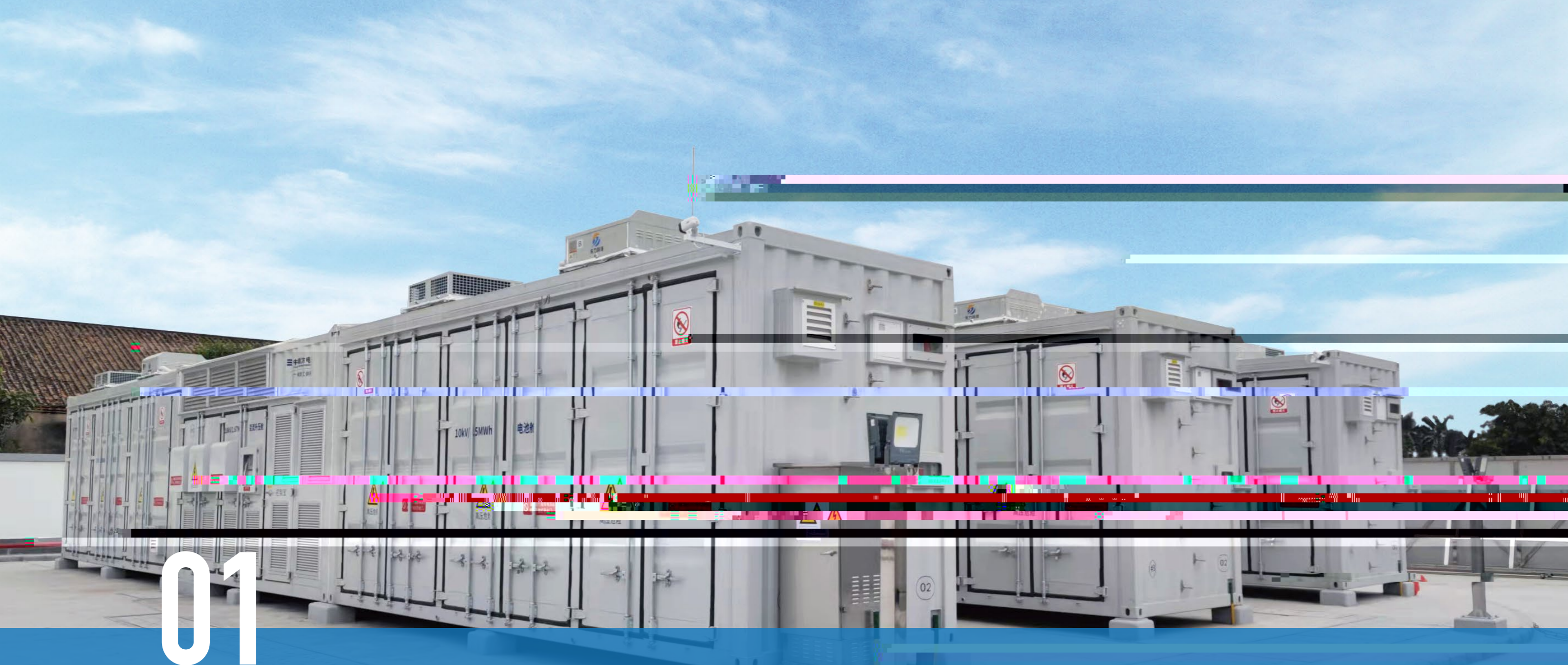
energy storage power station in the Meizhou Power Grid with a voltage level of 220kV.

station project in Gaoming District, Foshan City started construction. As



voltage level of 220kV, it provided auxiliary services such as frequency regulation and peak regulation for the power grid, and improved the power supply reliability of the power system in Foshan area, which promoted the development of the new power system in Guangdong.





# 01

## Chapter 1 Corporate Governance -

### ESG-Driven Sustainable Growth through Compliance and Integrity

**Our Actions**

principles of legal and compliant operation, and integrates the core concept of sustainable development into its long-term strategic planning. The Company is continuously deepening its responsibility governance system and is committed to improving its management structure and operation mechanism of ESG (Environment, Society and Governance) to strengthen the internal driving force for sustainable development.

**SDGs Respected**

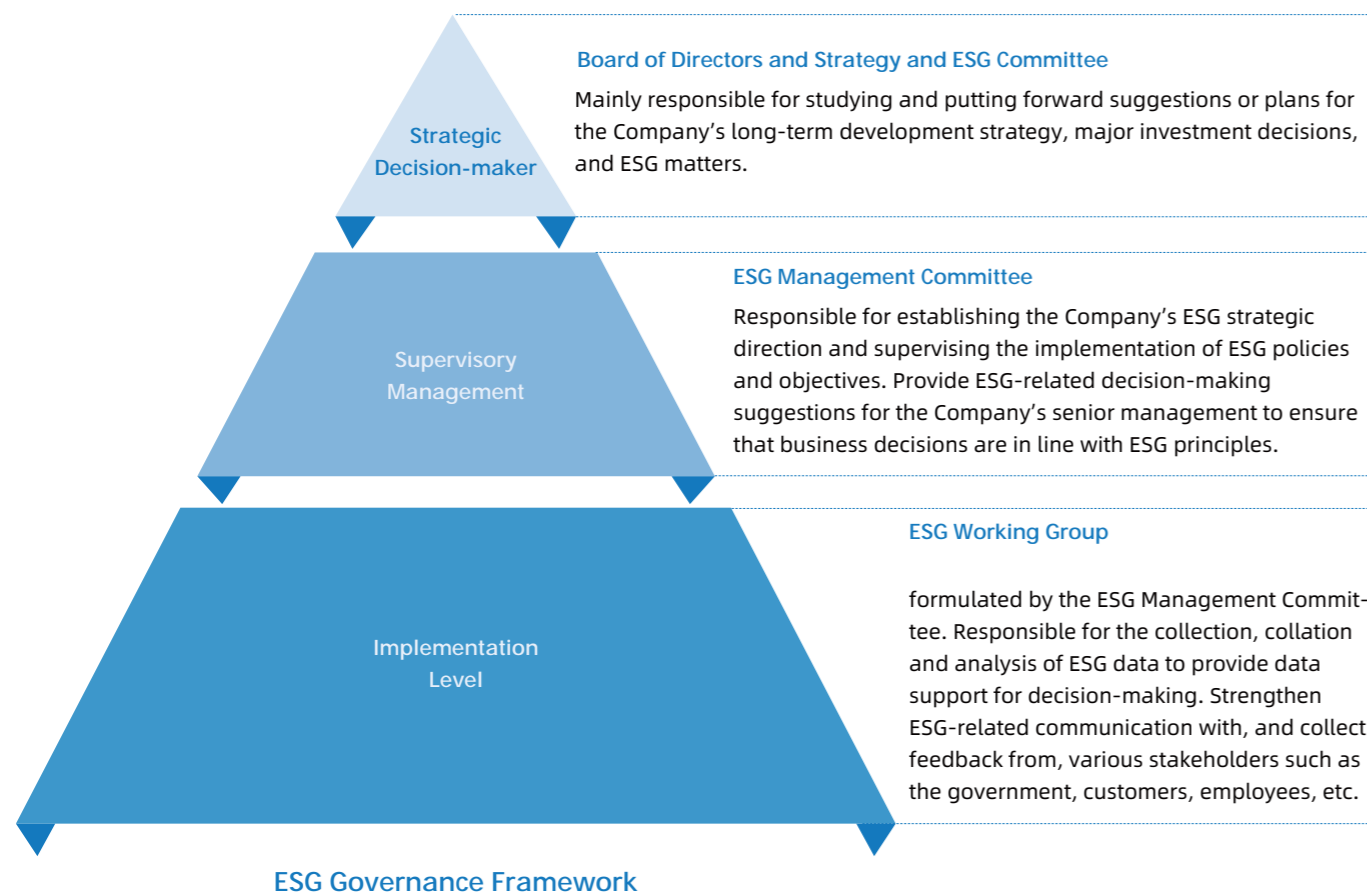


# Sustainable Governance

Governance) sustainable governance, regarding it as one of the cornerstones and core competitiveness in the enterprise's long-term development. The Company not only integrates the ESG concept into strategic decision-making and daily operations, but also comprehensively demonstrates its active explorations and remarkable achievements in the environmental protection, the practice of social responsibilities, and the structure optimization of the corporate governance to investors, customers, employees and all sectors of society by regularly releasing comprehensive and transparent ESG reports.








## © Sustainable Development Governance

improve the Company's ESG level, the Company has formulated the *Detailed Rules for the Work of the Strategy and ESG Committee* - hensive Management Center, responsible for recommending strategy and ESG-related work and actively promoting the development of the Company's ESG work.



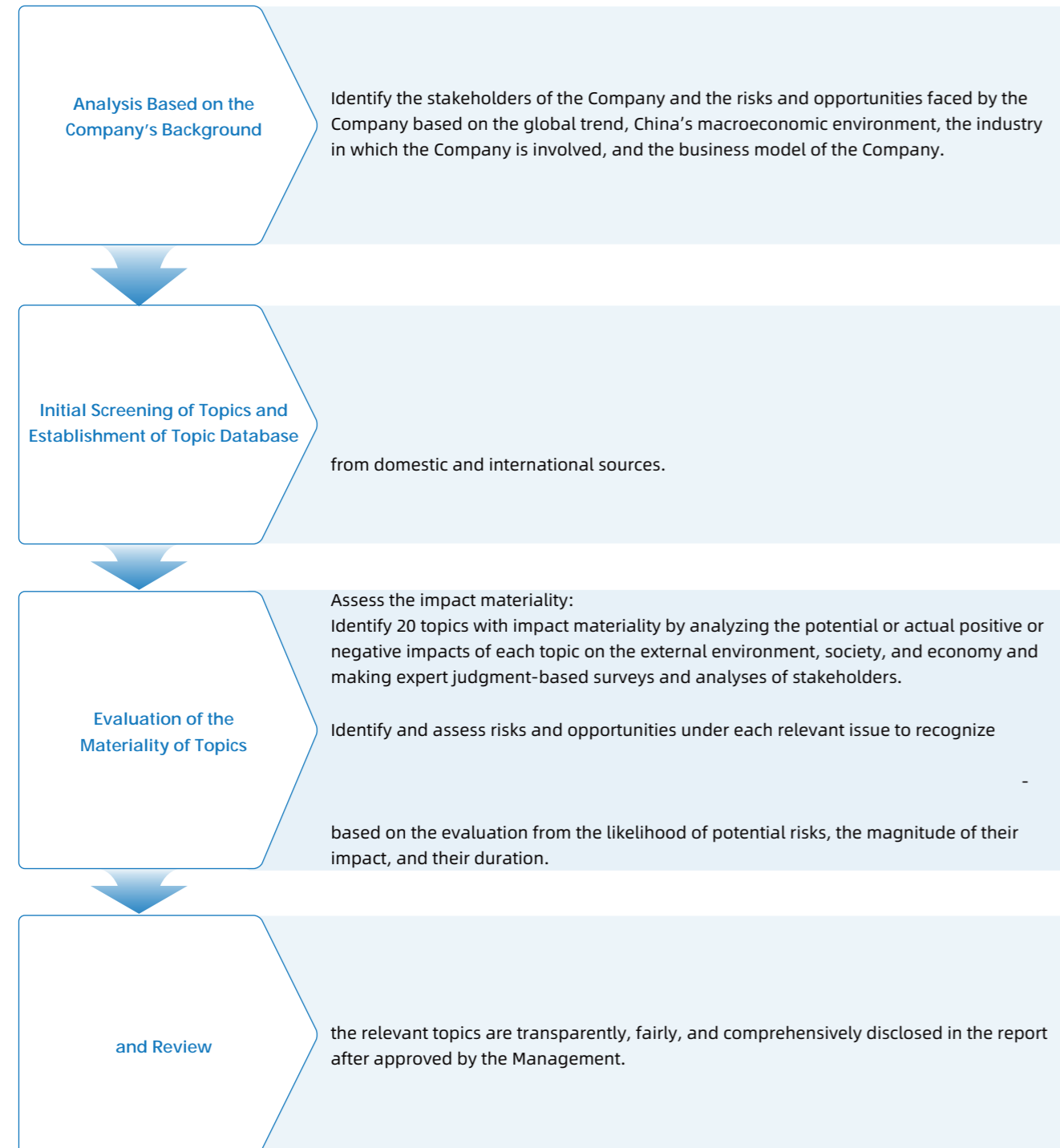
## © Communications with Stakeholders

Zhiguang Electric is engaged in strengthening communication with stakeholders such as the government, customers, employees, communities, the media, shareholders, investors and partners. By optimizing communication strategies, building diverse platforms and normal mechanisms, we comprehensively listen to and actively respond to the needs and suggestions of all parties. The Company integrates the concerns of stakeholders into strategic decision-making, and promotes harmonious interaction with all sectors of society. As we shape a positive corporate image, we also build a responsible brand reputation to realize win-win development.

Stakeholders	Communication Channels	Demands and Expectations
 Governments	Work reports Visit for submission Daily communication	Operational compliance Facilitating economic growth
 Customers	After-sales Support Group website and email Customer roundtable discussions Daily communication	Ensuring the quality of services and products Responsible supply chain Sustaining positive partnerships Common development
 Employees	Employees' congress Roundtable discussions Visits and condolences Work performance evaluations	Protection of employees' rights and interests  career development Comprehensive and complete communication channels
 Communities	Charitable activities Periodic reporting Information transparency Advocacy visits	Contributing to community development Supporting energy conservation and emission reduction Co-building of harmonious communities Address the needs of vulnerable groups
 Media	Public media platforms Press conferences	Ensuring accurate information disclosure Sustaining positive partnerships
 Partners	Signing cooperation agreements Specialized discussion forums Senior management meetings Daily business communication	Sustaining positive partnerships Responsible supply chain Adherence to business ethics  win-win results
 Shareholders and Investors	General meeting of shareholders  Investor teleconferences Investor Survey Periodic reporting Company announcement	Improve the corporate governance Timely information disclosure  Maintaining stable dividends

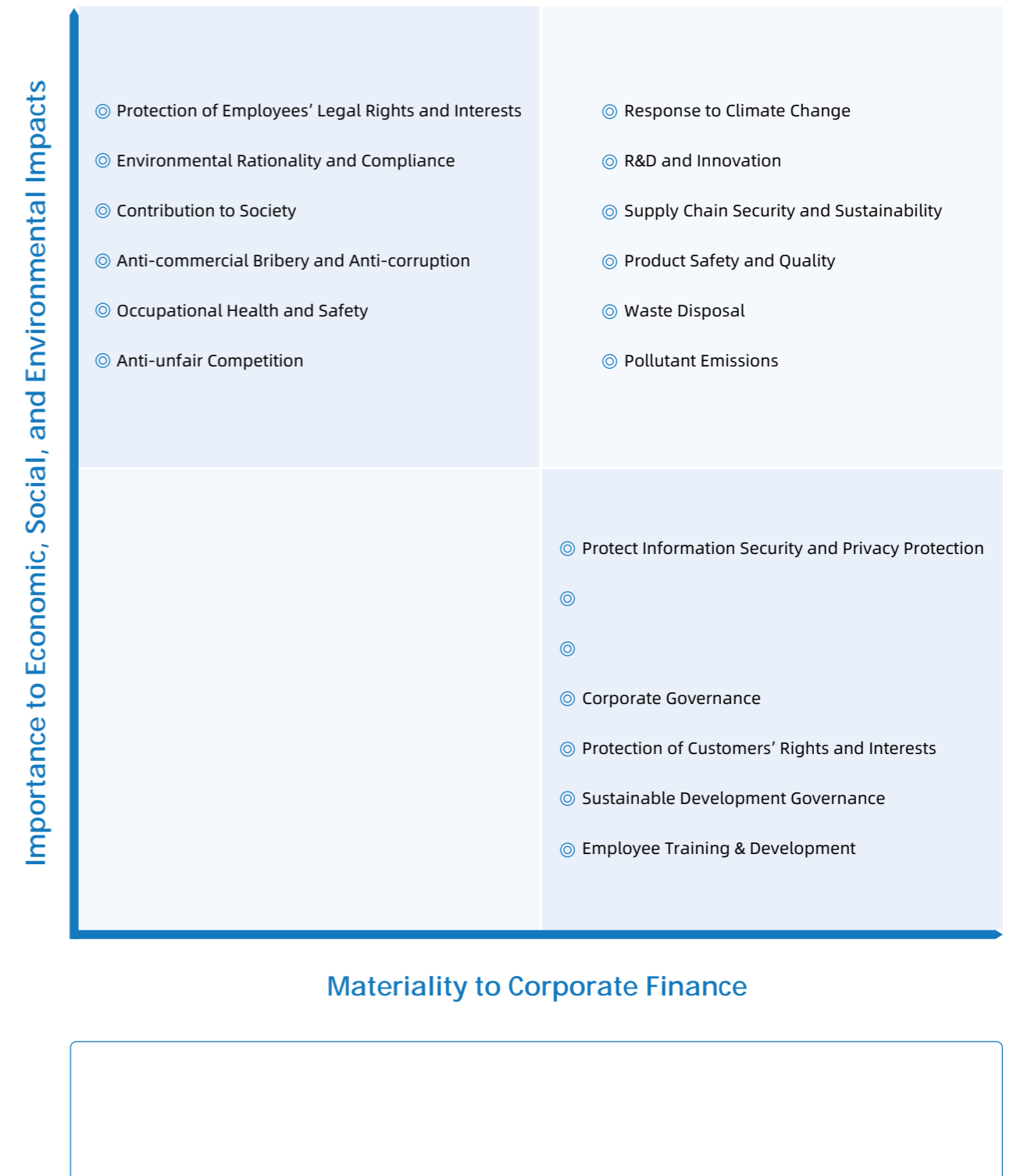
## ◎ Assessment of Material Topics

Based on the global sustainable development trend and the current situation of the Company's business development, and in accordance with the assessment methods of domestic and international disclosure standards such as the *Shenzhen Stock Exchange Self-Regulator Guidelines for Listed Companies No. 17 - Sustainability Report (for Trial Implementation)* and *GRI3: Material Topics*,



## ◎ Matrix of Material Topics

Zhiguang Electric's Material Topic Matrix

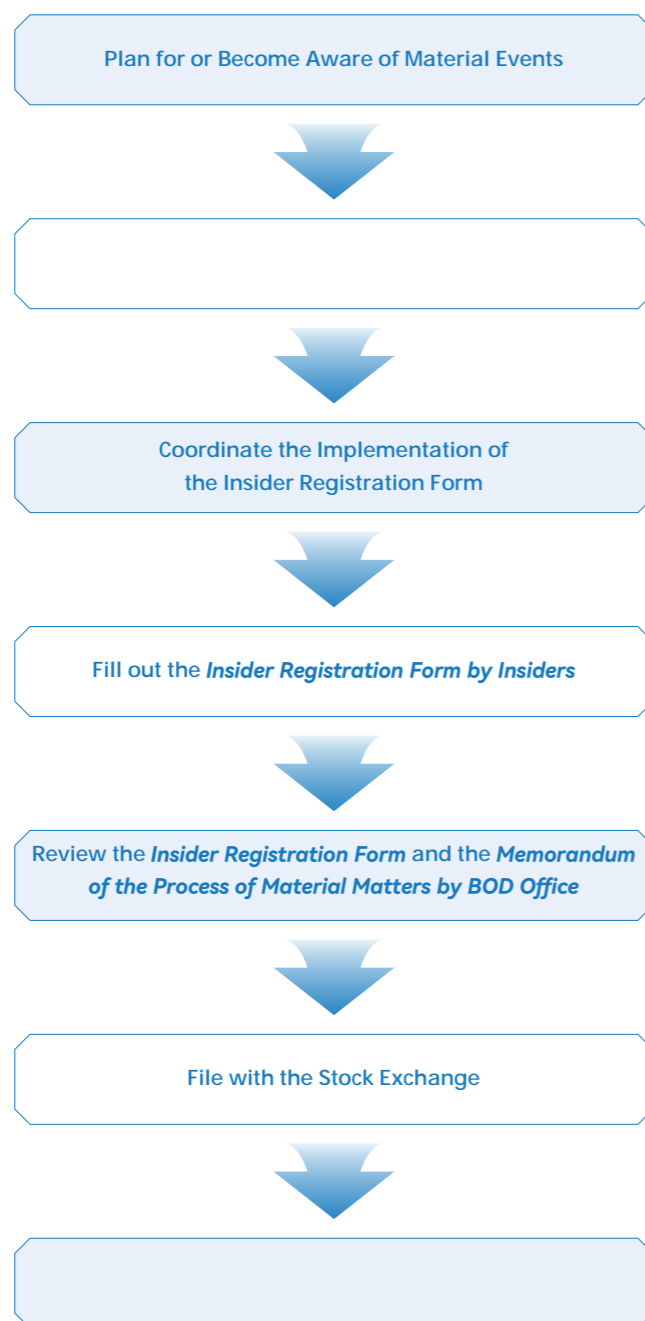


## Governance through the General Meeting of Shareholders, Board of Directors, and Board of Supervisors

In July 2024, Zhiguang Electric held a special meeting for the summary and review of the 2023 ESG report, systematically







Registration and Filing Process of Insider Information

Information Disclosure	Unit	2024
Periodic Report	Copy	4
Interim Report	Copy	131

## ◎ Communication and Interaction

Zhiguang Electric attaches great importance to the establishment and maintenance of investor relations. In order to further strengthen communication with investors, the Company has formulated the *Investor Relations Management System* in accordance with regulations such as the *Guidelines on Investor Relations Management of Listed Companies* and in combination with the actual situation of the Company. We strengthen communication with investors through multiple platforms, channels and methods such as the investor dedicated hotline, corporate email, the SZSE platform (irm.cninfo.com.cn), etc., and enhance investors' under-

as to improve the level of corporate governance and establish a stable and high-quality investor base to obtain long-term market support.

In addition, the Company has formulated the *Regulations on Handling of Investor Complaints*, which ensures that the complaints including but not limited to telephone, letter, fax, email or on-site visit, etc.

Communication with Investors	Unit	2024
Number of Company Open Days Held	Times	2
Number of On-Site Investor Research Visits Received	Times	7
Number of Investor Calls Received	Times	300
Number of Communications Via	Times	6
Number of Interactions with Investors at irm.cninfo.com.cn	Times	138
Number of Investor Questions Answered	Times	138
Reply Rate to Investors' Inquires	%	94.52

## ◎ Returns to Shareholders

The Company attaches importance to the protection of shareholders' rights and interests, shares the development achievements

safeguard the income rights of shareholders, and jointly promote the long-term healthy development of the Company.

Key Performance Indicators	Unit	2022	2023	2024
Cash dividend per 10 shares	10 shares	1	1	0.8
Total dividend amount (including tax)	RMB '0000	7,877.92	7,827.04	6,261.63

# Party Building

Zhiguang Electric has always adhered to the core philosophy of leading with Party development, taking the Party's principles and policies as the compass for enterprise development. This ensures that the Company's operational direction aligns closely with the policy guidance of the Party and the state, providing a solid political guarantee and ideological leadership for the steady progress of the enterprise.

## The Second Party Branch Held a Political Birthday Activity



During the Reporting Period, the Second Party Branch of the Company successfully held a themed activity of "Political vitality and motivation into the Company's cultural and business development."



The Second Party Branch Held a Political Birthday Activity



Taken upon Joining the Party

## The General Meeting of Party Members for the Admission of Probationary Party Members was Held



During the Reporting Period, the Company successfully held a ceremony for the admission of probationary Party members. The addition of new Party members has injected fresh blood into the Company, enhanced the vitality and combat culture, which laid a solid organizational foundation for the sustainable development of the Company.



General Meeting of Party Members for the Admission of Probationary Party Members



## The July 1st Themed Party Day Event was Held



During the Reporting Period, the Company successfully held a July 1st Themed Party Day Event, which centered around "studying Party regulations, upholding Party discipline, clarifying rules, strengthening Party spirit, and maintaining

discipline awareness of Party members and their cultivation of Party spirit, created a clean and upright working atmosphere for the Company, and promoted the positive development of the corporate culture.



The July 1st Themed Party Day Event

## Intra-Party Study Activities Promoted Corporate Development



The Company organized Party members to participate in several sessions of the intra-Party study activity "40 Years of Rising Tides: Stories from the Witnesses" hosted by the Organization Department of the Huangpu District Committee of the Communist Party of China in Guangzhou. By listening to the vivid statements of the witnesses of the reform and opening up, we enhanced the historical mission and sense of responsibility of our Party members. This activity not only improved the political literacy of Party members but also inspired the work enthusiasm and innovative vitality of employees, created a positive cultural atmosphere for the Company, and promoted the high-quality development of the enterprise.



Intra-Party Study Activities

Party Building	Unit	2024
Number of General Party Branches		1
Number of Party Branches		6
Number of Party members	Persons	155

# 02

## Chapter 2 Environment - Beautiful Homeland: Our Unwavering Commitment to the Net-Zero Goal

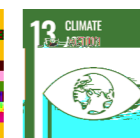
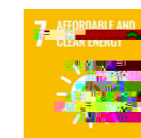
### Our Actions

established a dedicated team to conduct daily management of environmental health, work safety, etc., which continuously promotes the construction of the enterprise's environmental protection system. Meanwhile, we conveyed our concept of "using energy safely, economically, and comfortably" to our customers, so as to help our customers systematically solve problems related to energy power, energy

Conservation and Environmental Protection. In an era where the clean energy and renewable energy have become the focal points of attention, the Company places greater emphasis on the technological

and develop the integration and optimization of new energy and traditional energy, striving to build a leading brand in digital energy technology and integrated energy services.

### SDGs Respected



# Response to Climate Change

In recent years, with the rise of global temperatures, the frequent occurrence of extreme weather events, and the increasing depletion of natural resources, climate change has become one of the most pressing challenges globally today. Zhiguang Electric proactively responds to the challenges and opportunities brought about by climate change, implements the national "dual carbon" goal, and provides renewable energy products and services for society. We contribute to low-carbon develop-

helping the global low-carbon transition.

## © Governance

In 2024, the Company established a dedicated ESG Working Group to be responsible for work related to climate change and comprehensively review the potential climate risks in all aspects of its operations. According to the framework of the Task Force on

risks and opportunities related to the Company's operations and formulated corresponding response measures to ensure the stable progress of the Company's daily operations and gain the upper hand in the wave of green economic transformation.



Product Carbon Footprint

tion criteria such as ISO 14067:2018 Greenhouse Gases - Carbon Footprint of Products -

## © Strategy

The Company has carried out the work of identifying and evaluating the risks and opportunities related to climate change, physical risks and transformation risks, and gradually improved the Company's climate adaptability.

Risk/ Opportunity	Risk
Category	Acute Risks
Description of Risk/Opportunity	Frequent occurrence of typhoons, rainstorms, earthquakes, and droughts
Financial Impact	Increased costs and decreased production capacity.
Impact Duration	Short-term
Magnitude of Impact	High
Likelihood of Occurrence	Low
Response Measures	prevention and control plans for frequent risks.

Risk/ Opportunity	Risk
Category	Chronic Risks
Description of Risk/Opportunity	Sea level rise and increased days of high-temperature weather
Financial Impact	Cost increase
Impact Duration	Medium to long term
Magnitude of Impact	Medium
Likelihood of Occurrence	Medium
Response Measures	Install some necessary water storage facilities and store water in advance during droughts to ensure production.

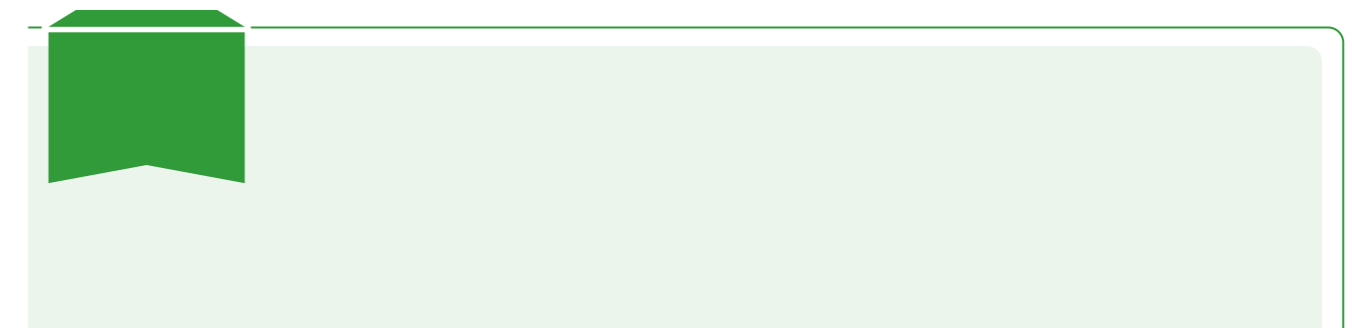
Risk/ Opportunity	Risk
Category	Policy and Legal Risks
Description of Risk/Opportunity	
Financial Impact	
Impact Duration	Mid-term
Magnitude of Impact	Medium
Likelihood of Occurrence	Medium
Response Measures	The Company has paid close attention to relevant national and local government laws and regulations, and actively introduced relevant environmental management policies to ensure the environmental protection compliance of production and operation.

Risk/ Opportunity	Risk
Category	Market Risks
Description of Risk/Opportunity	Changes in customer behavior patterns, transition to a circular economy
Financial Impact	Decrease in revenue
Impact Duration	Long-term
Magnitude of Impact	Low
Likelihood of Occurrence	Low
Response Measures	Integrate the green concept into technical research, development and design of products, strengthen market research, strategically position for green transformation, and promote green development.

Risk/ Opportunity	Opportunities
Category	Technical Opportunity
Description of Risk/Opportunity	Obtain business opportunities that prioritize highly sustainable products, and increase the demand for renewable energy and energy-saving products
Financial Impact	Revenue Increase
Impact Duration	Long-term
Magnitude of Impact	Medium
Likelihood of Occurrence	Medium
Response Measures	The Company has strengthened the construction of its talent team and attaches strategic importance to the research and development of sustainable environmental protection technologies.

## © Impact, Risk, and Opportunity Management

The Company has established a management mechanism to address the risks, opportunities, and corresponding impacts of



# Environmental Management

Zhiguang Electric attaches importance to environmental protection, actively promotes the construction of the environmental management system, strictly follows relevant laws and regulations such as the *Environmental Protection Law of the People's Republic of China*, the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution*, and the *Law of the People's Republic of China on the Prevention and Control of Water Pollution*, establishes a sound environmental management system and processes, actively takes measures to reduce the impact of daily operations on the environment, continuously strengthens environmental management, and ensures that the enterprise meets the requirements of environmental laws and regulations and standards during production and operation.

## ◎ Governance

In order to strengthen the Company's environmental protection work, Zhiguang Electric and its subsidiaries have formulated environmental management systems, established the organizational structures of environmental management, which are responsible for the Company's management and technical supervision of environmental protection, assist in formulating long-term plans of environmental protection, implement relevant environmental protection policies and regulations, and are also responsible for supervision, testing, and other work. The Company's subsidiaries (Zhiguang Electric Technology, Zhiguang system.



Lingnan Cable has obtained the AAAAA of a green factory.



## ◎ Strategy

The Company makes in-depth assessment of the risks and potential opportunities in environmental management, aiming to formulating forward-looking strategies.

Risk/ Opportunity	Risk
Category	Pollutant Discharge Risks
Description of Risk/Opportunity	As the national emission standards tighten, existing environmental protection facilities face the risk of exceeding these standards.
Financial Impact	
Impact Duration	Long-term
Magnitude of Impact	Medium
Likelihood of Occurrence	Medium
Response Measures	<ul style="list-style-type: none"> <li>● Carry out technological transformation to reduce the concentration and volume of pollutant emissions.</li> <li>● Standardize the operation procedures of facilities and processes.</li> </ul>

Risk/ Opportunity	Risk
Category	Waste Discharge Risks
Description of Risk/Opportunity	Emission of hazardous wastes such as carbon residues, aluminum ash, and waste mineral oil
Financial Impact	The high disposal price of hazardous wastes increases the production costs
Impact Duration	Long-term
Magnitude of Impact	Medium
Likelihood of Occurrence	Medium
Response Measures	<ul style="list-style-type: none"> <li>● As the changes in the market price of hazardous waste disposal, the harmless production line for overhaul slag has been shut down.</li> </ul>

Risk/ Opportunity	Risk
Category	Changes in Environmental Policies
Description of Risk/Opportunity	and high-pollution enterprises
Financial Impact	Production disruptions lead to a decline in operating revenue
Impact Duration	Medium to long term
Magnitude of Impact	Large
Likelihood of Occurrence	Medium
Response Measures	<ul style="list-style-type: none"> <li>● Enhance environmental awareness and improve the performance of the Company's environmental protection work.</li> </ul>

Risk/ Opportunity	Opportunities
Category	Favorable Environmental Policies
Description of Risk/Opportunity	Vigorously promote the renewal of the Company's environmental protection facilities to better meet the requirements of laws and regulations
Financial Impact	Ensure normal production, operation and production revenue
Impact Duration	Long-term
Magnitude of Impact	Large
Likelihood of Occurrence	High
Response Measures	<ul style="list-style-type: none"> <li>● Increase investment in environmental protection to improve the environmental protection facilities.</li> </ul>

Risk/ Opportunity	Opportunities
Category	Optimization of Environmental Protection Facilities
Description of Risk/Opportunity	Improve the environmental protection facilities to reduce the concentration and volume of pollutant emissions
Financial Impact	
Impact Duration	Long-term
Magnitude of Impact	Large
Likelihood of Occurrence	High
Response Measures	<ul style="list-style-type: none"> <li>● Formulate the procedures for control of air pollution.</li> <li>● Develop a specialized plan for sudden environmental incidents and emergency rescue.</li> </ul>

## © Impact, Risk, and Opportunity Management



### and Opportunities

Collect information related to the Company's environmental protection, analyze the potential impacts that may

comprehensively consider the risks in such dimensions as potential impact, probability of occurrence, urgency, and controllability.



### Evaluation of Risks and Opportunities

- Analyze and rank the environmental protection from two dimensions: the likelihood of risk occurrence and the extent of impact on the Company's business and

- Set key control points for environmental protection risks



### Response to Risks and Opportunities

formulate corresponding response measures based on

evaluation results, including reducing the generation of waste, optimizing the environmental management system, and upgrading the environmental protection facilities.

## ◎ Metrics and Targets

Key Indicators	Benchmark Units	2024
Total environmental investment	RMB '0000	189.8
Environmental protection taxes paid	RMB '0000	4.48
Environmental incidents	Case	0
Incidents of violation of laws and regulations in the	Case	0
Conforming rate observed in pollutant monitoring	%	100
Synchronized operation rate of environmental facilities	%	100
Compliance rate of "three simultaneities" in environmental protection for construction projects	%	100
Number of environmental training sessions	Times	72
Number of participants in environmental training	Training participants	376
Average hours of environmental protection training	Hour	250

## ◎ Emergency Plans and Drills

Zhiguang Electric and its subsidiaries have formulated the emergency response plan for environmental emergencies and dynamic monitoring, and emergency resources to improve the Company's capability to respond to environmental emergencies. Meanwhile, the Company regularly organizes emergency drills for sudden environmental incidents, strengthens the awareness of

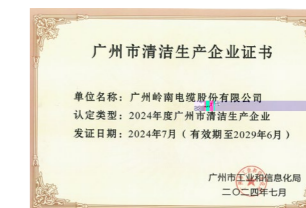


Zhiguang Electric not only pays attention to environmental protection during the production and operation process, but also conservation and consumption reduction.



## ◎ Clean Production

According to the public announcement of the Economic and Information Technology Commission of Guangdong Province on the list of the 14th batch of clean production enterprises in Guangdong Province, Lingnan Cable was



Enterprise in Guangzhou

### The "Green Motion Industry and Information - Clean Production Work Exchange Meeting of Wire and Cable Industry in Guangzhou" was Held



On October 30, 2024, Lingnan Cable actively responded to the call of national ecological civilization construction, explored new paths and methods for the establishment of clean production enterprises in the wire and cable industry, promoted resource conservation and recycling. Lingnan Cable visited the excellent clean production plans of enterprises on site, and shared its experience and cases in establishing clean production enterprise.



## ◎ Wastewater Management

The Company has formulated a set of detailed management measures related to wastewater to standardize the wastewater treatment process and ensure the orderly progress of environmental protection work.

- Sewage discharge pipelines are laid within the Company's plant area, and all domestic sewage in the plant is directly discharged into the sewage pipeline network after passing the inspection
- Sample, monitor and record regularly at the sewage discharge outlet
- Regularly check the compliance of sewage discharge. Any non-conformity occurring during the wastewater discharge process are implemented in accordance with the *Administrative Measures for Non-conformity, Corrective and Preventive Measures*

Key Performance Indicators

2024

Wastewater Discharges

87,544 Tons

During the Reporting Period, for Zhiguang Integrated Energy, the COD (chemical oxygen demand) emission concentration was

suspended matter emission concentration was **400**

nitrogen compound emission concentration was

phosphorus emission concentration was **8**

## Waste Gas Management

In order to strengthen the treatment and control of waste gas and ensure the proper implementation of environmental protection work, the Company has formulated a set of rigorous management systems related to waste gas.

01

Operate in accordance with the *Job Operation Procedures* to keep the exhaust system working smoothly. Relevant operators must wear relevant labor protection tools when necessary

04

Monitor the emission outlets of waste gas pollution sources according to the monitoring plan. Notify the responsible department timely in case of abnormality, so that measures can be taken promptly

02

In the case of abnormal circumstances, the emergency plan are implemented for process exhaust emissions

05

The person in charge of the unit conducts daily monitoring and inspection of the waste gas of their own unit and makes relevant records

03

Formulate a waste gas monitoring plan for the workshop, inspect the production site, and take corresponding measures for each unit according to the production information and the results of the monitoring report.

06

Regularly check the waste gas emission. Any non-conformity occurring during the waste gas emission process are implemented in accordance with relevant provisions




Key Indicators	Benchmark Units	2024
Waste Gas Emissions	Tons	108,873
Emission of Waste Gas Pollutants	Tons	52

Key Performance Indicators

During the Reporting Period, for Zhiguang Integrated Energy, the particulate matter emission concentration was **2.46** concentration was nitrogen oxide emission concentration was **22.82**

## Waste Management


The Company has formulated relevant management regulations for hazardous waste in accordance with laws and regulations such as the *Law of the People's Republic of China on Prevention and Control of Environmental Pollution by Solid Wastes* and the *Measures on the Management of Hazardous Waste Transfer Manifests*.


- ▶ of recyclable toxic and harmful solid wastes 
- ▶ dispose of non-recyclable non-toxic and harmless solid wastes 
- ▶ Non-recyclable toxic and harmful solid wastes must be stored in a closed container to prevent secondary pollution in accordance with relevant national regulations 



hazardous waste management plan, including the declaration and registration of hazardous waste, transfer manifests,

危险废物		危险类别
主要成分: 油漆、酒精 类别: HW49	化学名称: 油漆、酒精	
危险情况: 毒性	安全措施: 定点存放, 防止泄漏	
废物产生单位: 广州岭南电缆股份有限公司		
地址: 广州市南沙区榄核镇人缘路163号		
电话: 18819325566 联系人: 李勤		
批次: 数量: 产生日期:		

危险废物		危险类别
主要成分: 苯、二甲苯、甲苯、甲醛	化学名称: 苯、二甲苯、甲苯、甲醛	
危险情况: 毒性	安全措施: 定点存放, 防止泄漏	
废物产生单位: 广州岭南电缆股份有限公司		
地址: 广州市南沙区榄核镇人缘路163号		
电话: 18819325566 联系人: 李勤		
批次: 数量: 产生日期:		

危险废物		危险类别
主要成分: 油、烃、水混合物或乳化液 类别: HW09	化学名称: 废乳化液	
危险情况: 毒性	安全措施: 定点存放, 防止泄漏	
废物产生单位: 广州岭南电缆股份有限公司		
地址: 广州市南沙区榄核镇人缘路163号		
电话: 18819325566 联系人: 李勤		
批次: 数量: 产生日期:		

Key Indicators	Benchmark Units	2024
Quantity of general waste generated	Tons	44,351.2
Quantity of general waste recycled	Tons	44,084.4
Disposal volume of general industrial solid waste	Tons	185.3
Recycling rate of general waste	%	99.40
Quantity of hazardous waste generated	Tons	24.86
Quantity of hazardous waste disposed	Tons	24.86
Disposal rate of hazardous waste	%	100

## Noise Management

Noise Treatment Measures:





Conduct routine inspections on time. When abnormal operation of equipment or harsh noise the cause. If it is determined that the equipment is malfunctioned, report it immediately for inspection and repair



All kinds of equipment should be regularly maintained and serviced according to the system, especially for the lubrication of high-noise source equipment, so as to make the equipment operate normally and reduce the noise



shore power connection with the “Tian Shou” vessel of COSCO Shipping at the Xilian Company of Qingdao Port, Shandong Port. This was an important step for Zhiguang Electric to assist Qingdao Port in its transformation towards green and low-carbon development, enhancing the green port image of Qingdao Port.

high-voltage cables. The replacement of traditional fuel oil with clean electrical energy opened a new chapter in the construction of a zero-carbon green terminal.

## Materials Management



rate of materials, and actively introduces eco-friendly materials, which promotes sustainable development, helps the enterprise

### Management System

The Company has formulated the *Management Process for the Consumption of Dead Stock*, *Operation Instruction Process for Wooden Packaging*, *Packaging Specifications of EPE Foam for the Shipping Team*, *Measures for Handling Management*, and *Warehouse Management System* to clarify the management process for the consumption of dead stock, standardize the image, quality, and transportation requirements of product packaging, and implement the processes and operation methods for the inbound and outbound management, handling, management, and protection of materials. The Company has established a Materials Department, which is responsible for material procurement, warehouse management, ledger maintenance, and the disposal of waste

## Chapter 3 Society - Collaborative Development:

Zhiguang Electric focuses on the sustainable development of the industry, and is committed to industrial optimization and upgrading, innovative infrastructure construction, advocating a responsible consumption and production model, and building cooperative relationships. We deeply understand that sustainable development is related to environmental responsibility and corporate competitiveness. The measures such as resource integration and innovation stimulation can promote the harmonious coexistence of society, the environment, and the economy. Meanwhile, the Company

eliminating gender discrimination and injustice, carrying out charitable and public welfare activities, and assisting in the development of rural economies. It is committed to creating a fair and harmonious environment to promote the social common prosperity and all-round progress

# R&D Innovation

Zhiguang Electric always upholds the innovation-driven development strategy and takes technological innovation as the core driving force for enterprise development. Relying on a strong R&D team and advanced experimental platforms, the Company promotes the rapid transformation and application of technological achievements by constructing an innovative system with deep integration of industry, university, and research institute. At the same time, the Company also empowers the traditional

## ◎ Governance

The Company has developed the R&D management regulations such as the *Regulation on Management of Technical Improvement and Technological Innovation*, *Administrative Measures for the Initiation of R&D Projects*, *Regulation on Management of Design and Development*, *Administrative Measures for Scientific Research Projects*, *Special Incentive Management Measures*, *Administrative Measures for the Evaluation and Reward of R&D Projects*, *Administrative Measures for the Management and Reward of Government Projects*, and *Industry-University-Research Institute Management Regulation*. The Company will continue to strengthen technical innovation management, ensure the standardization and institutionalization of technical improvement and technological innovation, make the science and technology transformed into productive forces as soon as possible, and promote the technological progress and development.

The Company's Technology Development Department, Technology Management Department, and R&D Center are jointly responsible for the initiation of R&D projects.



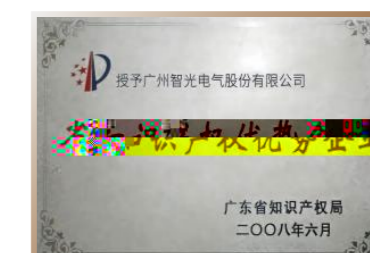
## Zhiguang Electric



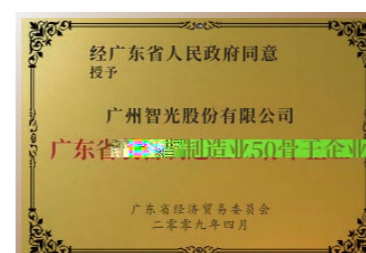
National Enterprise Technology Center National Postdoctoral Research Station



First Batch of Pilot Demonstration (Energy Storage) Approved by the National Energy Administration Pilot Demonstration Enterprise for the Integrated Development of Manufacturing and the Internet Leading Enterprise in the Energy Storage Technology Field of the New Energy Industry in Guangdong Province



Guangdong Engineering Laboratory for High-Power Power Electronics Guangdong Provincial Engineering Technology Research Center Guangdong Intellectual Property Advantage Enterprise



in Guangdong Guangdong Engineering Technology Research Center for High-Power Power Electronic Control Guangdong Enterprise Technology Center

## Zhiguang Energy Storage

## Zhiguang Electric Technology



Innovative Small and Medium-sized Enterprise in Guangdong



Guangdong SSDI SMEs



High-tech Enterprise



High-tech Enterprise



The Fifth Batch of SSDI "Little Giant" Enterprises

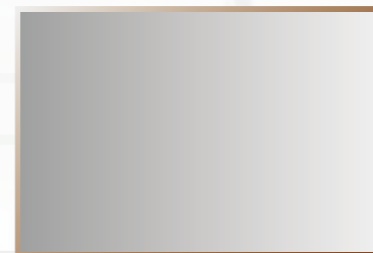


Committee Member of the National Technical Committee for Standardization of Variable Frequency Drive

## Lingnan Cable



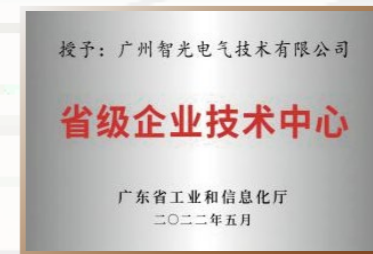
Guangdong SSDI SMEs



Guangdong Enterprise Technology Center



SSDI SMEs



Guangdong Enterprise Technology Center



Innovative Small and Medium-sized Enterprise in Guangdong



Guangdong Provincial Engineering Technology Research Center



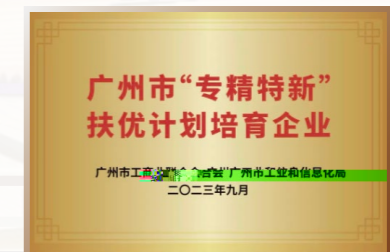
Member of Guangdong Wire and Cable Industry Association



Cultivating Enterprise of the "SSDI" Excellent Private Enterprise Support Plan in Guangzhou



Member of Guangzhou Circular Economy Clean Production Association



Cultivating Enterprise of the "SSDI" Excellent Enterprise Support Plan in Guangzhou



## © Strategy

stages, including before project initiation, during the R&D stage, after the completion of project, and during the improvement of achievements. At the same time, we identify the opportunities therein and formulate corresponding avoidance measures to

Risk	Intellectual Property Risks of the Research and Development Center
Category	Before R&D Project Initiation
Description of Risk/Opportunity	If the R&D project has not undergone market research and retrieval analysis, it may lead to repeated R&D and waste of R&D funds; if the R&D project is commercialized into products and put into market, there may be a risk of infringing on the intellectual property rights of others
Financial Impact	
Impact Duration	Short
Magnitude of Impact	Medium
Likelihood of Occurrence	Low
Opportunities and Avoidance Measures	Before project initiation, the intellectual property retrieval is conducted in the internal demonstration and feasibility risk stage to understand the status of existing technologies and prior patent layouts. Then we adjust the R&D path based on the results of market research, and select an appropriate R&D direction to prevent the R&D project from infringing on the patents of others.

Risk	Intellectual Property Risks of the Research and Development Center
Category	During the Project R&D Stage
Description of Risk/Opportunity	the previous retrieval analysis will be no longer applicable
Financial Impact	Increase in R&D Costs
Impact Duration	Medium
Magnitude of Impact	Large
Likelihood of Occurrence	Medium
Opportunities and Avoidance Measures	After the project is initiated, conduct patent tracking and retrieval analysis, continuously consult patent documents, and analyze the patent technologies of others to prevent the new technologies under R&D from and market research on the new solution.

Risk	Intellectual Property Risks of the Research and Development Center
Category	After the Completion of R&D Project
Description of Risk/Opportunity	intellectual property rights are not utilized in a timely manner to protect the R&D achievements, the achievements may not be protected by the intellectual property rights
Financial Impact	
Impact Duration	Medium
Magnitude of Impact	Large
Likelihood of Occurrence	Low
Opportunities and Avoidance Measures	property rights to protect the R&D achievements in a timely manner. Retrieve the technical documents of patent similar to the R&D achievements, and make comparative analysis and evaluation of the infringement risks for avoidance, so as to prevent the R&D design achievements from infringing on the patents of others.

Risk	Intellectual Property Risks of the Research and Development Center
Category	Achievement Improvement
Description of Risk/Opportunity	If the Research and Development Center does not attach importance to the reasonable suggestions feedback by the Product Center and the customer's improvement suggestions feedback by the Market and Information Department, it will hinder the R&D of product in the Company.
Financial Impact	The improved achievements may not be eligible for patent application for they are outdated
Impact Duration	Medium
Magnitude of Impact	Large
Likelihood of Occurrence	Low
Opportunities and Avoidance Measures	For the technical improvements and innovations in production equipment, processes, testing methods, etc. recognized and proposed by the Product Center, and for the customer's improvement suggestions feedback by the Market and Information Department, the Research and Development Center should conduct patent retrieval and analysis, evaluate the novelty, inventiveness, and legal risks of the technology, and provide suggestions for avoidance or other measures. The Research and Development Center should protect the intellectual property rights in a timely manner, applying for patents or protecting them as technical secrets.

Risk	Intellectual Property Risks of the Research and Development Center
Category	Risk of Secret Leakage
Description of Risk/Opportunity	The R&D Department has access to information such as the Company's R&D records and test records
Financial Impact	Have a negative impact on the Company's operation, development, and reputation
Impact Duration	Long
Magnitude of Impact	Large
Likelihood of Occurrence	Low
Opportunities and Avoidance Measures	Improve the relevant systems and require personnel to strictly implement them, keep relevant information

## © Impact, Risk, and Opportunity Management

rights from infringement, and prevents R&D achievements from infringing on the patents of others, which ensures the steady



## © Goals and Indicators

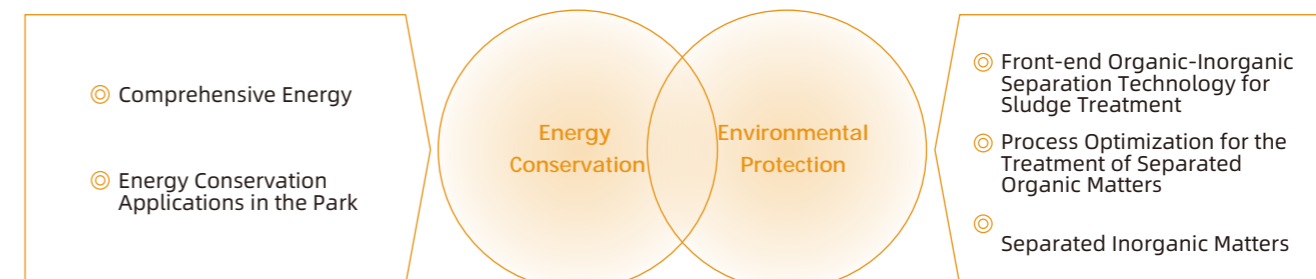
Technical Innovation and Development Plan of Zhiguang Electric Technology in the Next 5-10 Years (Formulated in 2022)

Continue to develop the technology of intelligent power equipment with power electronic control as the core technology.	Conduct technical research and development and intelligent equipment manufacturing in energy substitution, energy conversion technology, electric energy control technology, energy.
Build a basic technology laboratory	Build a multifunctional public technology platform. Provide basic support for the development, design, and prototype testing of power electronic control and devices by setting up experimental conditions such as dynamic simulation test loads, test power supplies, and real-time simulation systems. Meantime, engage high-end talents, strengthen the construction of software and hardware, accumulate technical data, materials, and information, and realize resource sharing, so as to provide support for basic technical research and basic application research.

Zhiguang Automation's R&D and Innovation Objectives

- ©
- ©
- ©
- ©
- © Carry out preliminary basic research on the research and development of the source-grid-load-storage integrated control

Zhiguang Energy Conservation and Environmental Protection's R&D and Innovation Objectives





## ◎ Protection of Intellectual Property Rights

The Company has formulated a series of internal systems such as the *Intellectual Property Management System*, *Administrative Procedure for the Management of Intellectual Property Documents*, *Procedure for Management of Intellectual Property Risks*, *Administrative Procedure for the Handling of Intellectual Property Disputes*, *Measures for Management of Scientific and Technological Archives*, and *Procedure for Management of Intellectual Property in the Sales and After-sales Process* to ensure the safety of intellectual property rights, prevent infringement and being infringed, encourage employees' enthusiasm for invention and creation, and

The Technology Management Department of the Company's R&D Center, as the competent department, is responsible for the comprehensive management, application, dispute handling, transfer, publicity and training of intellectual property rights, as well as its relevant rewards and remunerations. Other departments assist in carrying out relevant business and work. During the Reporting Period, the Company did not incur any penalties or disputes due to intellectual property protection issues.



Zhiguang Electric's Intellectual Property



Lingnan Cable's Intellectual Property

## Responsible Supply Chain

highly collaborative supplier evaluation and management system. While maximizing the value of the Company's supply chain resources, it also empha-

ment of its subsidiaries to adapt to the ever-changing market demands. The Company focuses on establishing good strategic partnerships with suppliers and customers. With a fair evaluation system, a fair and transparent procurement process, and a comprehensive service system, we continuously improve the procurement and customer service processes, so as to provide more competitive products and services to the market.

## ◎ Governance

sustainability of the supply chain, the Company has formulated such regulations as the *Supplier Management Regulation*, *Regulation on Supplier Quality Management*, and *Regulation on Supplier Performance Management*, and set up the *Supplier Management Department* to be responsible for organizing the development, review, management, and assessment of suppliers. The *Quality Department* participates in supplier review and monitors the quality of incoming materials.

Lingnan Cable has obtained the Green



Green Supply Chain Management

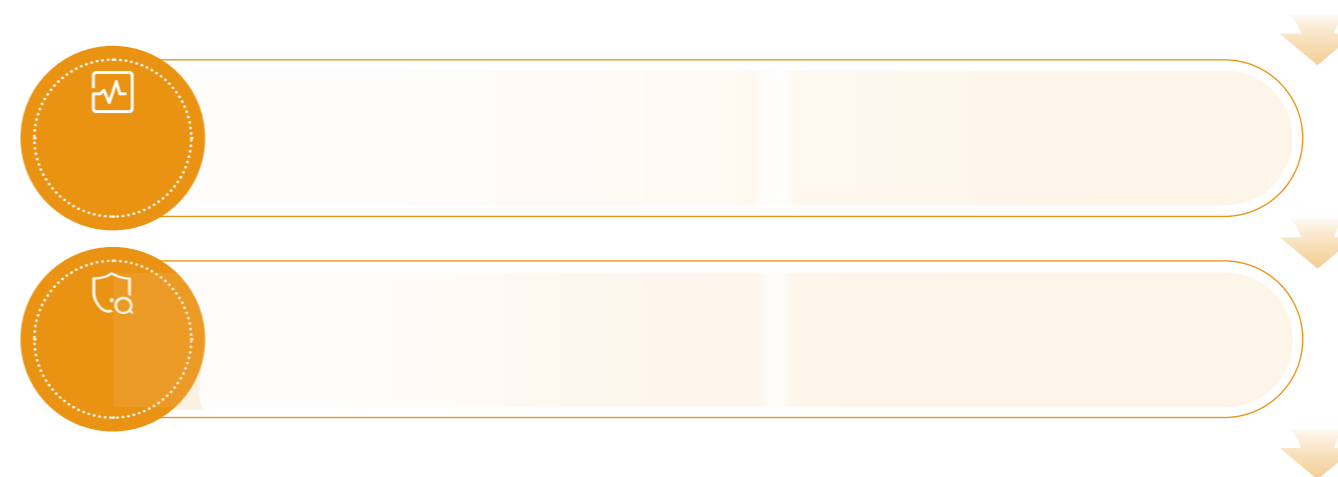
## ◎ Strategy

The Company has conducted a comprehensive analysis of potential risks and opportunities, systematically analyzed the relevant elements in the supply chain management process, and formulated targeted response measures.

Risk/Opportunity	Risk
Category	Supply Chain Disruption
Description of Risk/Opportunity	The Company's raw material suppliers may experience supply interruptions due to factors such as natural disasters, equipment failures, and political instability. In addition, unexpected disruptions in the logistics
Financial Impact	Result in the stagnation of the Company's production and the generation of additional production costs
Impact Duration	Medium and short-term
Magnitude of Impact	High
Likelihood of Occurrence	Medium
Response Measures	<ul style="list-style-type: none"> <li>● Formulate emergency response plans, and stockpile critical materials to deal with unexpected situations.</li> </ul>

Risk/Opportunity	Risk
Category	Fluctuations in Market Prices
Description of Risk/Opportunity	The prices of raw materials required by the Company, such as metals like copper and aluminum, as well as international economic situation
Financial Impact	margins
Impact Duration	Medium and short-term
Magnitude of Impact	Medium
Likelihood of Occurrence	High
Response Measures	<ul style="list-style-type: none"> <li>● Monitor the price dynamics, predict the trends, and reasonably arrange the timing and quantity of procurement.</li> <li>● Sign long-term contracts and establish price adjustment mechanisms, and explore strategic partnerships to share risks.</li> <li>●</li> </ul>

## © Impact, Risk, and Opportunity Management





# Product Safety and Quality

Adhering to providing high-quality products and services for customers is the Company's consistent tenet. The Company has standards in the links of procurement, research and development, manufacturing, ex-factory, and after-sales service to ensure

## Governance

The Company strictly complies with relevant laws and regulations such as the *Law of the People's Republic of China on Product Quality* and the *Law of the People's Republic of China on Work Safety*, formulates systems such as the *Quality Manual Management System*, *Standard for Product Identification and Traceability Management*, and *Guidelines for Project Quality Management* quality policy, quality objectives, and the process of quality activities, and establishes the Quality Management Department to

In order to optimize supplier management, Zhiguang Electric Technology has adopted the SRM system to replace the

The 2024 Supply Chain Summit Forum was successfully held in Guangzhou with the theme of "Converging Brilliance, Forging Supply Success". The Executive Vice President and senior management team of Zhiguang Electric gathered with

such as the "Excellent Supplier Award", "Excellent Delivery Award", and "Quality Pioneer Award". In the same period, Zhiguang Electric signed cooperation agreements with core strategic partners. Through resource sharing and complementary advantages, we jointly built a more competitive supply chain system. This cooperation aimed to

promote the high-quality development of the industry.

## ◎ Strategy

The Company has carried out in-depth work on identifying and assessing the risks and opportunities in product safety and quality, analyzed the potential risks and opportunities in the production process, and formulated targeted response strategies.

Risk/Opportunity	Risk
Category	Market Risks
Description of Risk/Opportunity	launch high-performance products to seize market share. Therefore, if Zhiguang Electric's products have no
Financial Impact	A decrease in market share leads to a reduction in sales revenue
Impact Duration	Medium and short-term
Magnitude	High

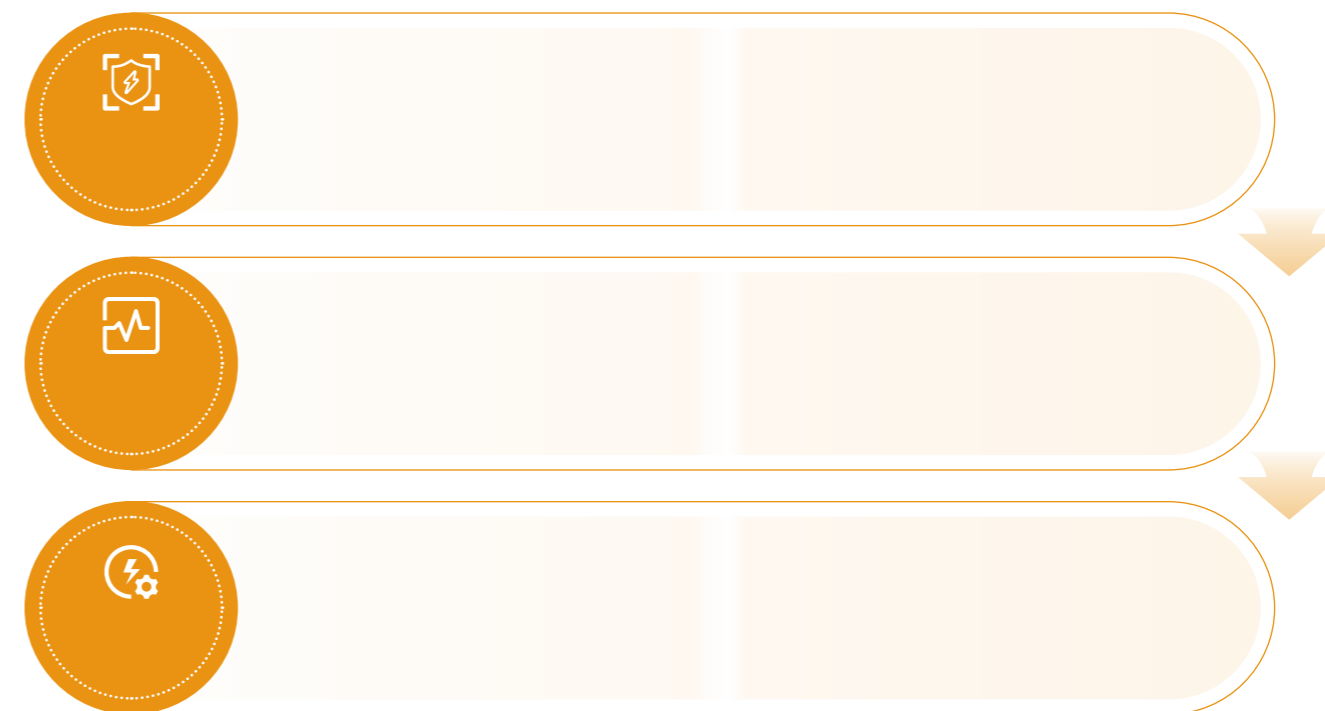


Risk/Opportunity	Opportunities
Category	Technological Innovation
Description of Risk/Opportunity	Continuous technological breakthroughs in digital energy and energy storage provide Zhiguang Electric with competitiveness and explore new markets.
Financial Impact	The launch of new products may increase the sales revenue and market share
Impact Duration	Long-term
Magnitude of Impact	High
Likelihood of Occurrence	High
Response Measures	<ul style="list-style-type: none"> <li>● Formulate a technological innovation strategy, and clarify the R&amp;D direction and key points.</li> <li>● Establish an innovation incentive mechanism to encourage employees to carry out technological innovation.</li> <li>● Strengthen technical exchanges and cooperation with leading enterprises in the industry to introduce advanced technologies and experiences.</li> </ul>

Risk/Opportunity	Opportunities
Category	Policy Support
Description of Risk/Opportunity	Policies such as the National 14th Five-Year Plan support the development of the new energy and energy storage industries, such as providing subsidies and preferential policies, which creates a good policy environment for Zhiguang Electric's business such as energy storage equipment and integrated energy services
Financial Impact	
Impact Duration	Medium and long-term
Magnitude of Impact	High
Likelihood of Occurrence	Medium
Response Measures	<ul style="list-style-type: none"> <li>● Actively pay attention to policy dynamics and strive for more policy subsidies and project support.</li> <li>● Adjust the business layout and product structure according to the policy orientation, and increase investment in areas encouraged by policies.</li> <li>● Strengthen communication with government departments, feedback the Company's needs, and provide suggestions for policy formulation.</li> </ul>

## ◎ Impact, Risk, and Opportunity Management

The Company attaches great importance to product quality control. We maintain the product quality and promote the Company's long-term sustainable development by identifying potential risks, assessing their impacts, and developing the corresponding management strategies.



## ◎ Metrics and Targets

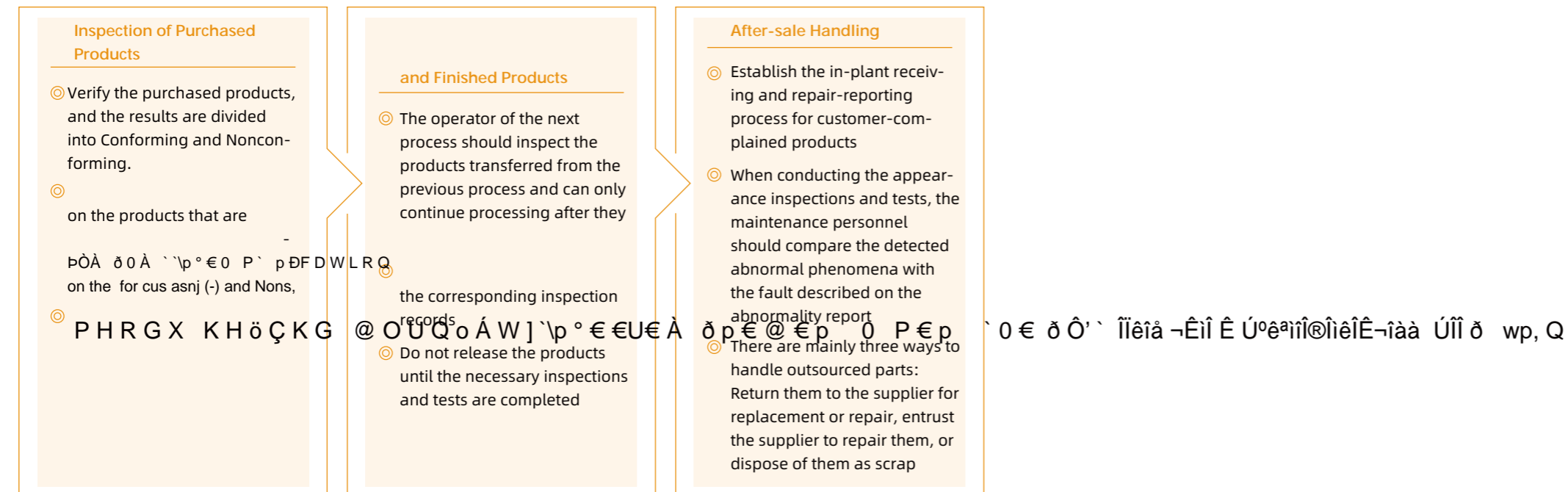
		23	20	24
		3	3	4
		22		

# Whole-Life-Cycle Management of Products

The Company supervises and inspects the manufacturing process and product quality to ensure that the manufacturing process and product quality meet the requirements. At the same time, we establish and improve the response and handling mechanisms

safety incidents, so as to minimize the harm of product quality and safety incidents, and standardize and guide the emergency handling.

## Whole-Life-Cycle Management of Zhiguang Electric's Products



compensation devices, high-voltage static dynamic reactive power compensation devices, intelligent shore power supplies, and



Quality Commitment Letter Signing Activity

Case



In May 2024, Zhiguang Electric Technology organized all employees to carry out a quality commitment letter signing activity. Through the reading, interpretation, and signing of the *Quality Commitment Letter*, the initiative reinforced the

unwavering commitment to quality, thereby further enhancing its quality management system.



Training Session

◎ Awarded Honors

Case



in the *Catalog for Recommended Products with Advanced Technology in Shipbuilding Industry in Guangzhou*

In December 2024, the *Catalog for Recommended Products with Advanced Technology in Shipbuilding Industry in Guangzhou* compiled by the Guangdong Association of Shipbuilding Industry entrusted by the government completed the public announcement. The high-voltage shore power supply system of Zhiguang Electric successfully made it into the catalogue, providing strong support for the Company to strengthen its expansion of the ship market. This inclusion is a full recogni-

广东省船舶工业协会		
广州市船舶行业先进技术产品推荐目录（2024年） 评审结果公示		
附件： 广州市船舶行业先进技术产品推荐目录（2024年）		
序号	单位名称	产品名称
三、船舶配套产品		
序号	单位名称	产品名称
126	广州智光电气技术有限公司	高压岸电电源系统

Evaluation Results

Quality Management Training Improved Management Level

Case



On April 12, 2024, Zhiguang Electric Technology organized new employees to carry out quality management training, explaining the basic knowledge and rules and regulations related to quality management, which helped new employees deeply understand the core requirements and practical applications of quality management.



Training Session

Lingnan Cable Won the First Prize in the First Wire and Cable Inter-laboratory Comparison and Testing Competition

Case



In December 2024, in the First Wire And Cable Inter-Laboratory Comparison and Wire And Cable Testing Competition, driving force and quality as the core to help the high-quality and healthy development of the wire and cable industry.



Industrial and Commercial User Side was Selected as a Famous and High-tech Product in Guangdong Province in 2024

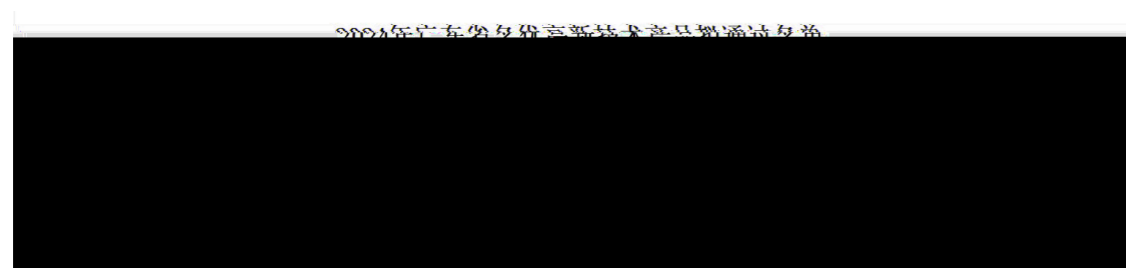
Case



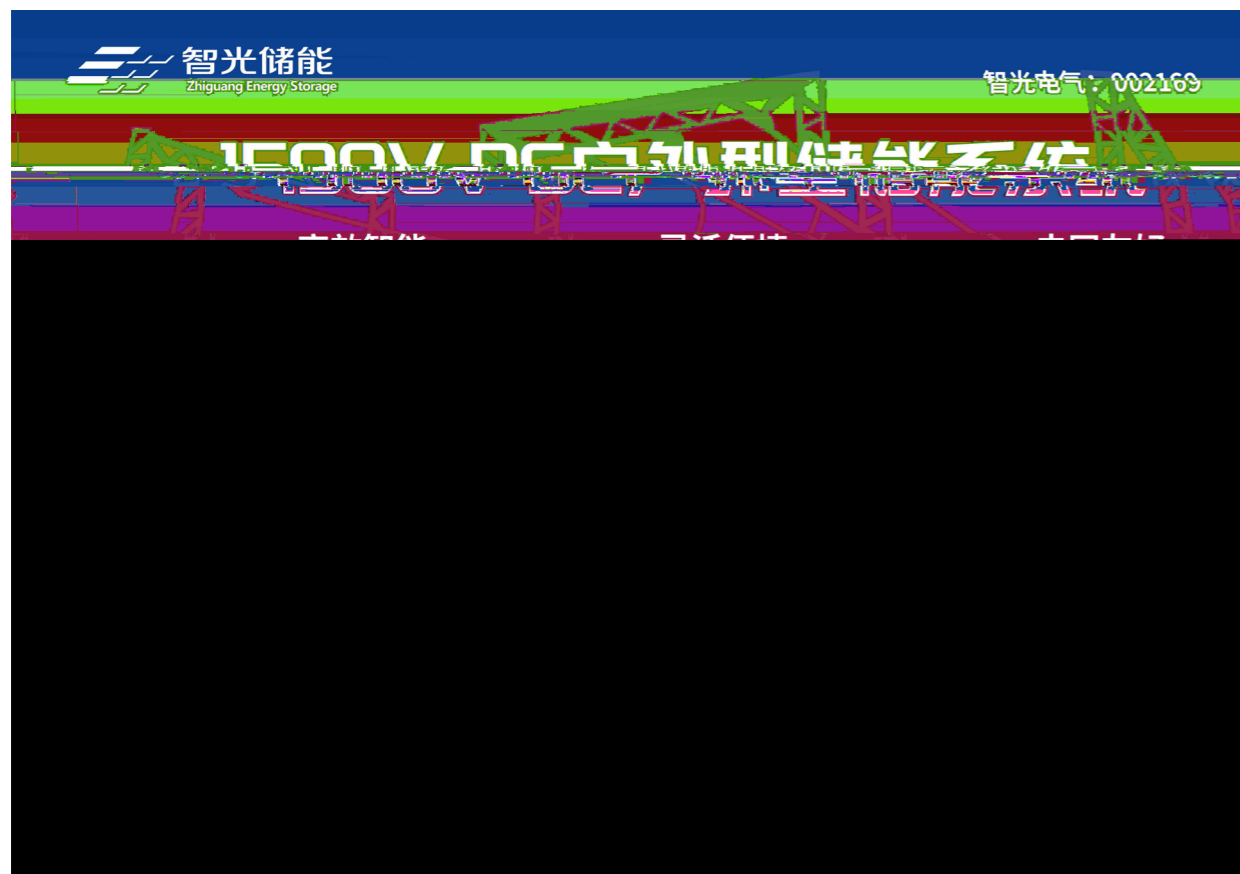
During the Reporting Period, Guangdong High-tech Enterprise Association announced the *Public Announcement of the Preliminary List of the Famous and High-Quality High-Tech Products in Guangdong Province in 2024*. Zhiguang Energy

ability, advanced technical level, reliable quality assurance and good market prospects, was selected as a "Famous and

energy storage system on the industrial and commercial user side not only is a high recognition of the innovation strength and product value of Zhiguang Energy Storage, but also injects new impetus into the Company's continuous exploration



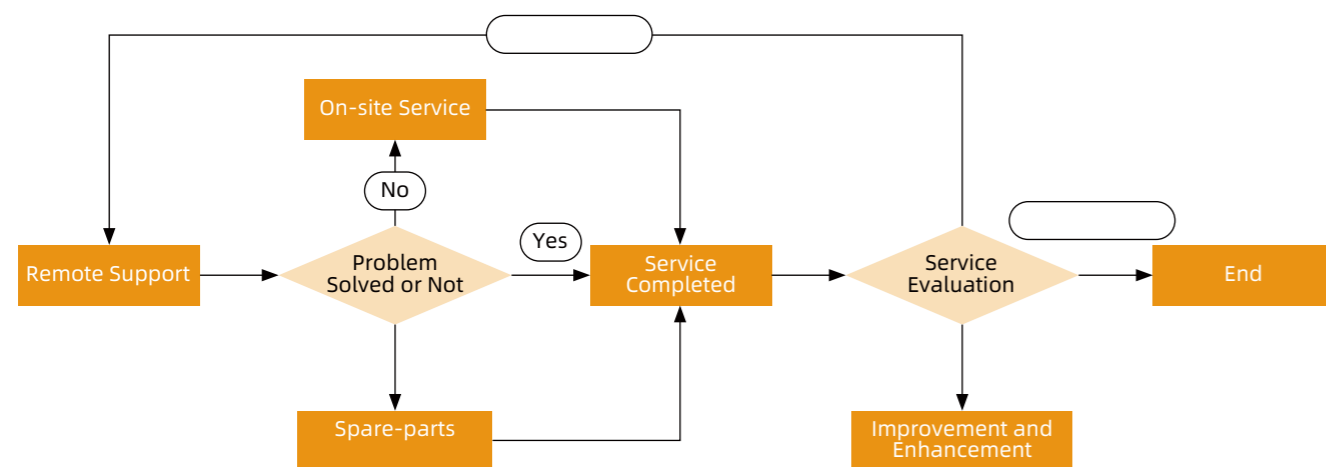
Selected List



ment of the service management system. We regularly organize employee training, including professional skills, communication skills, etc., so that every employee can accurately meet customer needs. In addition, the Company has vigorously improved the customer complaint management system, established a complete set of service tracking and management mechanisms. By

business type, and responded promptly. After processing is completed, the company provides feedback to customers as soon as possible with the results.

Service Transfer Process



## Customer complaint channels

The Company has formulated a number of systems such as the *Regulation on After-sales Business and Service Management* and the *On-site After-sales Service/Safety Operation Instruction Manual*,

work orders and assign them to the after-sales team. After the service personnel complete on-site repairs, the customer service as providing enthusiastic services, responding in a timely manner, and refraining from soliciting gifts or money.

Customer Complaint Channels

Case

feedback channel the customer chooses, the Company promises to respond quickly within 2 hours after receiving the complaint, and give the customer timely and professional attention and response.

Emails Service

Online Service

Phone Service

On-site Service

## After-sales Service Response Channels

The Company adheres to the customer-oriented approach and is committed to providing excellent product and service experiences. The Company continuously improves the after-sales response mechanism, and clearly requires its subsidiaries to establish domestic and foreign customers.

Case

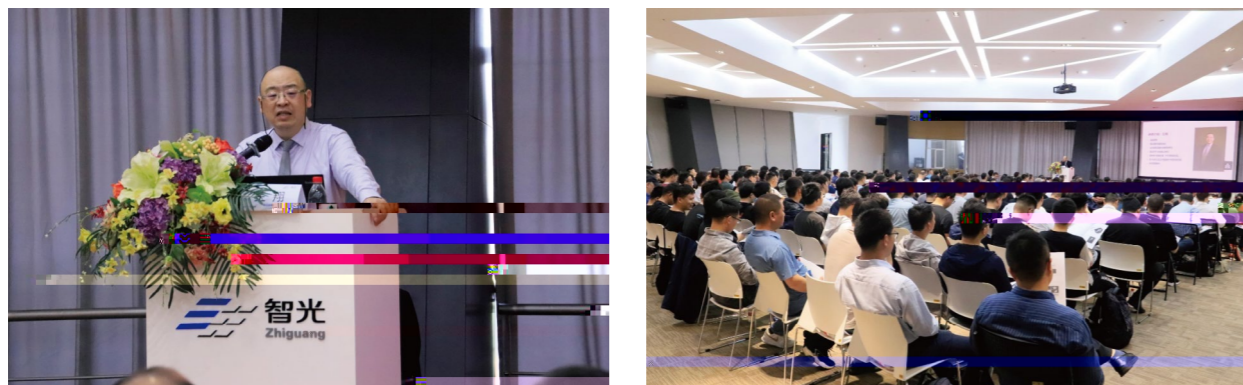
scenarios around the world. By of the end of the Reporting Period, the Company has established “7 major service same time, we have built a “1-stop service platform” to fully meet the diverse needs of customers and continuously improve customer satisfaction.

## Customer Service Capability Training

In order to improve the professional level of service personnel and better meet the needs and expectations of customers, the cation bridge is established between the customer service team and customers. At the same time, the Company also requires its subsidiaries to actively organize and carry out service personnel training sessions to continuously improve the overall quality and service level of the service team.



During the Reporting Period, the Company and its subsidiaries carried out multiple customer service training sessions for service personnel to enhance employees' awareness of customer service.



## Customer Product Training

As a leading provider of digital energy technology and integrated energy services, Zhiguang Electric has strict and clear professional standards for the use of equipment. In order to help customers comprehensively and deeply understand the characteristics of the Company's products, the Company actively promotes its subsidiaries to carry out product usage guidance and training. During the training process, professionals help customers better use the products through knowledge explanation and practical

## Satisfaction Surveys

so as to comprehensively collect customer feedback and opinions.

27      27      398      60%      314      89.8

## Data Security Management System

### Informatization System Construction

In order to achieve the Company's informatization objectives, the Company carefully plans the informatization construction

and management activities. During the promotion process, the Company focuses on strengthening the control of key links such as the security management of information systems, and comprehensively promote the steady progress of the Company's informatization construction, enabling it to develop in a healthy, orderly and standardized direction. This will help the Company continuously enhance its competitiveness in the digital wave.

### Normalized Governance of Data Security

ments to abide by laws and regulations, and strictly prohibits using the Company's network to carry out any illegal operations. In terms of the internal information security management of the Company, employees are clearly prohibited from privately disclos-

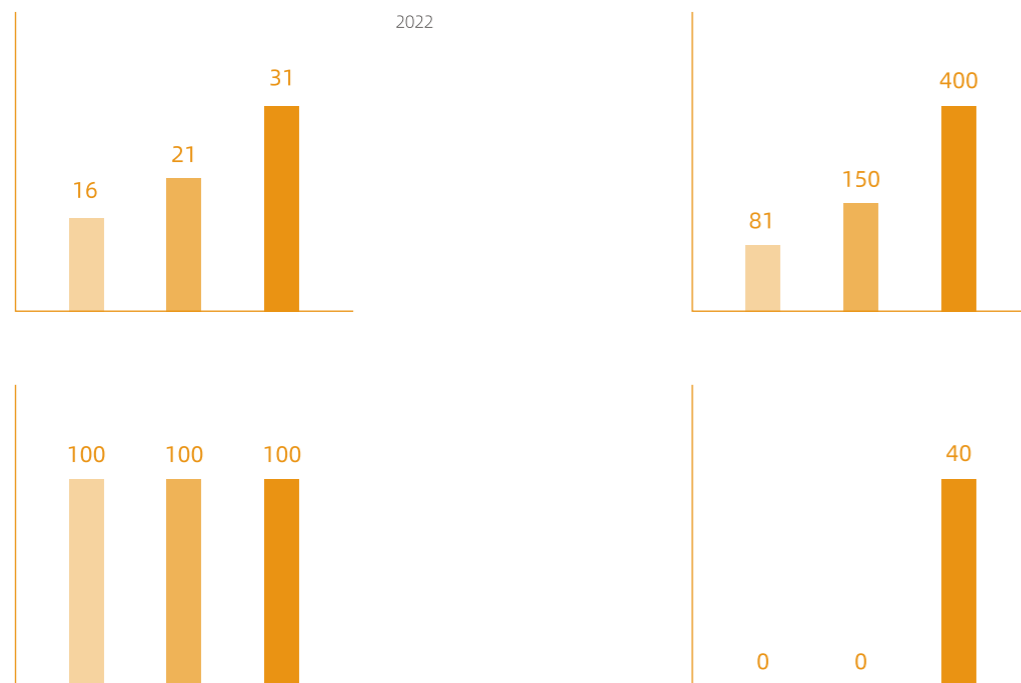
preventing information security incidents from the source and ensuring the security and stability of the Company's information assets in all aspects.

The Company has formulated detailed and rigorous rules for the management of enterprise information systems, and standardize the processes of information data processing, storage, and use in all aspects to ensure that every link operates accurately and strictly in accordance with the established standards. In terms of resisting external threats, the Company has actively made

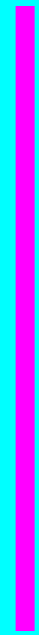
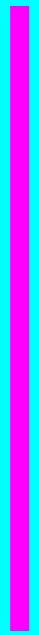
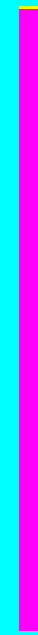
These advanced technical facilities work in coordination with each other, just like building an impregnable security barrier for the

Company's information assets.

#### Key Performance Indicators



During the Reporting Period, the Company organized and carried out training on information systems such as CRM, SAP, work process, and ensure the safe operation of the information systems.



## ◎ Safeguarding Women's Rights

The Company interprets its respect and support for female employees with practical actions, comprehensively establishes a maternity insurance system for female employees, and carries out exclusive activities for female employees every year on International Women's Day (March 8th), for the purpose of providing all-round and multi-level care and guarantees for female employees during their maternity leave, so that every female employee can feel the warmth and care of home in the Company.

	%	22.69	23.66
	%	12.42	13.03
	%	20.27	25.00
		23	23
	%		



In order to meet the development needs of the Company, ensure the standardization of salary management, and stimulate employees' enthusiasm, the Company adheres to the principles of internal fairness and external competitiveness, and formulates the *Salary Management Measures* to stipulate employees' salary levels, salary structures, salary adjustment methods, etc. in

nism that combines long-term incentives with short-term incentives, and salary management with post level management, and

### Compensation System

The Company continuously improves the performance appraisal and evaluation mechanism. Through monthly, quarterly, annual, and irregular appraisal methods, we ensure that functions such as management, supervision, guidance, education, motivation,

employees to continuously improve their personal abilities and grow and develop together with the Company. Employees can have face-to-face communication with the department head, and put forward performance appeal feedback to ensure that problems are solved in a timely manner.

### Performance Appraisal Methods

Statutory holidays, paid annual leave, social insurance, housing provident fund, marriage leave, maternity leave, paternity leave, bereavement leave, high-temperature subsidies

Health check-ups, meal subsidies, shuttle buses, employee dormitories, gifts for International Women's Day (March 8th), blessings for traditional festivals

Commercial personal accident insurance, communication expenses,

work tasks during normal working hours, and in principle, overtime is not arranged. If overtime is indeed necessary, the employee should submit an application in person, which can be approved for arrangement only after being reviewed by the department head and approved by the leader in charge of the department.

Key Indicators	Units	2023	2024
Social Insurance Coverage Rate	%	100	100
Welfare Expenditure	RMB '0000	374.07	5,398.00
Per Capita Paid Annual Vacation Days	Days	8.57	5.18
Performance and Career Development Assessments	%	100	100

The Company's trade union is the responsible department for helping employees in need. It is responsible for investigating the employees in need.

## © Equity incentive

In order to further improve the Company's incentive and restraint mechanism, enhance the sense of responsibility and mission of the Company's management team and business backbones for achieving the Company's continuous and healthy development, and align the interests of shareholders, the Company, and the incentive recipients, the Company has implemented the *Employee Stock Ownership Plan*,

among shareholders, the management team, middle-level leaders, and core employees, so as to ensure the realization of the Company's future development strategies and business objectives.

In accordance with relevant laws, regulations, and regulatory documents such as *Measures for the Administration of Equity Incentives of Listed Companies (for Trial Implementation)* and the *Securities Law of the People's Republic of China*, as well as the provisions of the *Articles of Association*, the Company has formulated the Administrative Measures for the *2022 Employee Stock Ownership Plan*, providing institutional support for the Company's equity incentive management. Based on multiple evaluation indicators, the Remuneration and Assessment Committee comprehensively and deeply evaluates and examines the assessment and implementation of the equity incentive program, continuously improves the construction of the long-term incentive mechanism, so as to fully mobilize the enthusiasm and creativity of employees, and realize the common progress and growth of the Company and employees.

## © Democratic Governance

channels, and is committed to building harmonious, amicable, and candid interpersonal relationships and communication, promoting the common progress of the Company, departments, and employees.

### Employee Communication Channels

#### 1 Human Resources Department

The Human Resources Department has set up the responsibility for employee relations, which collects and addresses the ideas, opinions, and suggestions expressed by employees, ensuring a reply within 48 hours on normal working

#### 2 Employee Complaint Channel

When employees believe that their personal interests have been violated or need to report and expose the act of other complaint channel.

#### 3 Channel for Employees to Put Forward Rational Suggestions

All employees have the right to make suggestions on the Company's operation and management, marketing, research and development, technology, production and manufacturing, quality, and other systems. The Company, supervisors, and the Human Resources Department evaluate and reply to the rational suggestions put forward by employees.

#### 4 Employee Satisfaction Surveys

In the form of a questionnaire survey, employees are solicited for their satisfaction with the Company's welfare, etc. According to the survey results, the Company should provide more diverse work projects and more promotion opportunities for employees to motivate their better development; the Company's management formulates targeted

#### 5 Company Information Release Channels

The Company has established various information release channels such as an internal website and a bulletin board, enabling employees to conveniently and quickly learn about the Company's management, business development dynamics, and important notices.

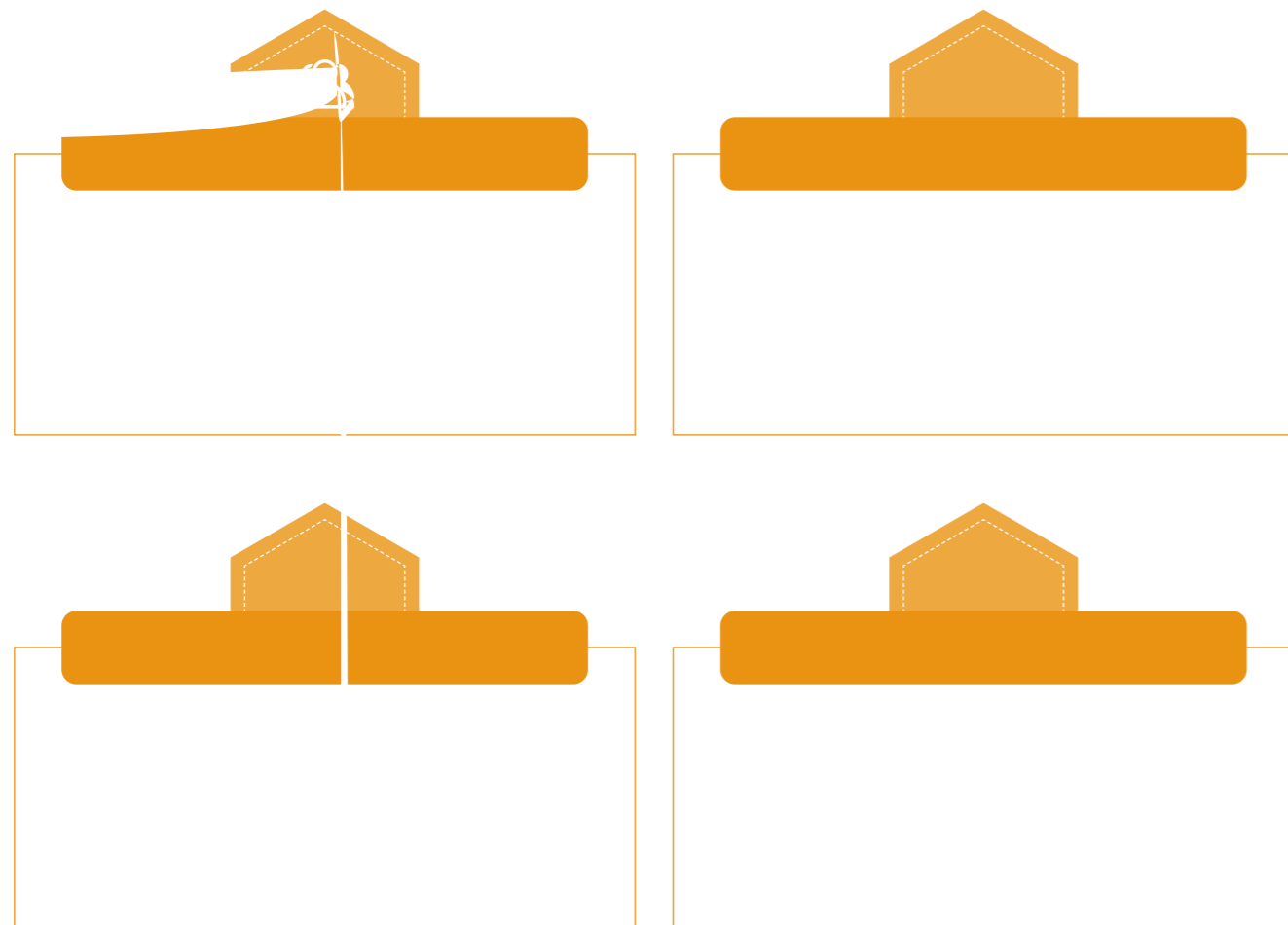
Key Indicators	Units	2023	2024
Number of Projects Approved by the	Items	0	3
In-service Employees	%	59.29	49.69
Coverage of Collective Bargaining Agreement	%	100	100
Number of Cases of Labor Disputes	Cases	0	0
Number of Employee Complaints Received	Cases	0	0
Employee Satisfaction	%	100	100
Participation Rate of the Employee Satisfaction Survey	%	100	100
Number of Employees Leaving the Company	Persons	599	620
Employee Turnover Rate	%	21.66	23.02

## © Training System

The Company deeply understands that talents are a powerful engine driving the future development of the enterprise. In order to enable every employee to continuously grow in their career paths, the Company has established the “Zhiguang Academy” , a

and systematic hierarchical training system, covering multiple categories such as new employees, management personnel, and technical workers, as well as multiple projects such as strategic and business guidance, talent cultivation and development, and job rotation and exchange, so as to lay a solid talent foundation for the Company’s long-term development.

### Organizational Structure of Zhiguang Academy



“ Intelligence” Leads to a Long Journey, and Learning Helps Expand Your “ Wings” | 2024 Zhiguang Electric “ Smart Wings” Young

According to the strategic development plan, the Company has determined to create a sustainable development model of “product + service + investment” that focuses on the large-scale development of energy storage. In order to help middle and grassroots management leaders improve their competencies, empower their managerial capabilities, and engage in action learning, the 2024 Zhiguang Electric “Smart Wings” Young Leader Training Program was fully

and promote business development. This intensive training delivered courses and provided empowerment through the business philosophy of “understanding business operation” , “understanding management” , and “understanding oneself” .

would focus on IDP enhancement and action improvement plans. It is expected that the “Smart Wings” trainees would embrace the journey of learning and growth and expand their wings.

## Internal Trainers

The Company attaches great importance to internal knowledge inheritance and regards the construction of the internal trainer team as a key link. By forming a high-quality internal trainer team, we broadens employees' career channels and development space, and ensures that internal training and learning needs are closely aligned with the Company's strategic development direction.

On March 19, 2024, Zhiguang Electric's internal trainer cultivation program was fully launched, with a period of 7 weeks. Trainer empowerment and selection were carried out through "learning, practice, and teaching". Finally, a total of 20

scoring of the project process, the top ten trainers, the most popular trainer, the best topic award, the excellent team award, and the excellent trainee award were selected. The 2024 Zhiguang Electric's internal trainer cultivation program has sounded the clarion call for the development of Zhiguang's talents, as participants embark on a gradual journey of transformation from "employees" to "mentors".

		11.24	47.1
		43	175
		310	1,47
		430	



The Company has constructed a safety risk grading and control system, with a dual prevention mechanism that integrates risk grading and control and hazard investigation and management. It conducts quantitative analysis from three dimensions: the possibility of an accident occurrence, the frequency of exposure, and the severity of the consequences, divides safety risks into

signs in high-risk areas, placed danger wa

on regular inspections and mainte-



2024

17.53

314

3,155

## Health

the People's Republic of China on health monitoring mechanism of be responsible for daily work and conduct risk assessments on

# Corporate Social Responsibility

missions. We drive the development of the regional economy, and enthusiastically participate in public welfare to give back to society, so as to promote the harmony of the community and society. Since the launch of the "Guangdong Poverty Alleviation Day" activity, the Company has regularly donated funds every year to help the poor, showing the enterprise's love for Guangdong's poverty alleviation initiatives. Within the Company, the Company, in conjunction with the trade union, actively initiated

the *External Donation Management Policy* enhances its brand image, while fully safeguarding the interests of shareholders.

In addition, the social responsibility management activities involved in the design and manufacture of Lingnan Cable's cross-linked polyethylene insulated power cables with a rated voltage of 220kV and below, and plastic

In August 2024, Lingnan Cable actively responded to the call of the National Rural Revitalization Strategy and donated special charitable funds to Lanhe Town, Nansha District to support the development of local rural revitalization undertakings. The Company actively practiced its social responsibilities, assisted in the integrated development of urban and rural areas, and contributed to promoting the sustainable development of rural areas.

In August 2024, the "International Teochew Journey to the Roots-2024 Overseas Chinese Youth Charity Summer Camp &

leaders from the International Teochew Youth Federation led the team, they were received by the Chairman of Zhiguang Electric, and engaged in discussions on cultural heritage preservation and technological innovation. At the Zhiguang Exhibition Hall, Teochew youth learned about its development history, the energy industry, and China's technological achievements. The explanations of Zhiguang made the power technology easy to understand and stimulated their interest. Described as a bridge between root seeking and cross-border dialogue, this Program allowed Zhiguang to demonstrate its commitment to social responsibility by showcasing its contributions and highlighting its dedication to science education and cultivating talents among teenagers.



In June 2024, Huayue Power donated RMB 300,000 to the Huidong Charity Federation, demonstrating the important role of the enterprise in rural revitalization.



In July 2024, Huayue Power donated various cooling beverages to the local government of Lechang City and front-line workers, demonstrating the enterprise's commitment to corporate social responsibility.

# Appendix

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and Innovation	Investment in R&D	RMB '0000	
	R&D investment as a percentage of main business revenue	%	6.17
	Number of new product development projects		6
	Total R&D team members	Persons	
	Percentage of R&D personnel	%	24.20
	Core technical personnel of the Company	Persons	208
Intellectual Property Management	Cumulative number of authorized invention patents	Items	117
	Cumulative number of authorized utility model patents	Items	362
	Cumulative number of granted design patents	Items	
	Cumulative number of software copyrights	Items	370
	National SSDI "Little Giant" enterprises		1
	National high-tech enterprise		14
	National enterprise technology center		1
Employee Composition	Percentage of contract workers	%	100
	Number of incidents involving the use of child labor	Cases	0
	Incidents of forced labor complaints	Cases	0
	Number of labor discrimination incidents	Cases	0
	Total hours of employee diversity policy training	Hours	96
	Total number of employees	Persons	2,073
	Number of employees with disabilities	Persons	17
	Number of employees of minority nationalities	Persons	
		Persons	
	Number of new employees	Persons	
	Female	Persons	
	Male	Persons	
	Persons		

Mid-level management	Persons
Frontline employees	Persons
Doctoral Degree	Persons
Master's Degree	Persons
Bachelor's Degree	Persons
Below Bachelor's Degree	Persons
Production	Persons
Sales	Persons
Technology	Persons
Finance	Persons
Administration	Persons
Others	Persons
30-40 years old	Persons
60 years old or above	Persons
Female	Persons
Male	Persons
Social recruitment	Persons
On-campus recruitment	Persons
Other recruitment channels	Persons
Proportion of female managers	
Proportion of female employees in STEM-related positions	

Protection of the Rights and Interests of Female Employees

2024

SOCIETY

INDICATOR

Protection of the Rights and Interests of Female Employees	Number of employees on maternity leave	Persons
	Return rate from maternity leave	%
	Social insurance coverage rate	%
Compensation	Welfare expenditure	RMB '0000
	Per capita paid annual vacation days	Days
		%
Democratic Governance	Labor union membership rate of in-service employees	%
	Coverage of collective bargaining agreement	%
	Number of cases of labor disputes	Cases
	Number of employee complaints received	Case
	Employee satisfaction	%
	Participation rate of the employee satisfaction survey	%
	Number of employees leaving the Company	Person
Supplier Management	Employee turnover rate	%
	Total number of suppliers	
	Total number of domestic suppliers	
Product Quality	Number of overseas suppliers	
		%
	Number of risk assessments conducted	Times
	Times of annual quality internal audits	Times
	Number of third-party inspections conducted	Times
Customer Service	Number of participants in quality culture training	
	Total hours of quality culture training	Hours
	Sessions of quality culture training	Times
	Number of customer complaints	Times
	Number of customer complaints resolved	Cases

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SOCIETY

Customer Service	Customer satisfaction	Points
	Number of participants in responsible marketing training	
	Total hours of responsible marketing training	Hour
Data Security	Total sessions of responsible marketing training	Times
		Hour
	Number of customer complaint response assessments	Times
	Pass rate of customer complaint response assessments	%
	Number of customer information leakage incidents	Case
	Losses caused by violation of relevant laws and regulations	RMB '0000
	Number of relevant training sessions conducted	Times
Customer Service	Number of participants in training	Persons
	Employee coverage rate in training	%
	Total investment in data security	RMB '0000
	Investment in employee training	RMB '0000
	Number of training sessions	Sessions
	Total number of persons trained	Persons
	Total number of training sessions	
	Employee training coverage	%
Customer Service	Female	%
	Male	%
	Senior management	%
	Mid-level management	%
Customer Service	Frontline employees	%
	Total training hours	Hours
Average per capita training hours (management training)		

DOWN

Social Indicators			
Topics	Indicator	Unit	2024
Employee Training	Average per capita training hours (professional capability training)		
	Average per capita training hours (leadership training)		20.8
	Average training hours per employee per year		4.18
	Female		4.18
	Male		4.18
	Senior management		12
	Mid-level management		18.9
	Frontline employees		3.6
	or internal recruitment	%	
	Number of employees having successfully transitioned or applied internally	Persons	81
Proportion of internal transfers or applications by employees	%	14.36	
Occupational Health and Work Safety		%	100
	The number of security emergency drills	Sessions	30
	Investment in work safety	RMB '0000	
	Proportion of investment in work safety to operating revenue	%	0.09
	Total investment in safety training	RMB '0000	
	Safety education and training sessions	Sessions	314
	Number of participants in safety education and training	Training participants	
	Total hours of safety education and training	Hours	
	Coverage rate of safety education and training	%	100
	Coverage rate of safety risk protection training	%	100
	Percentage of special operators licensed	%	100
	Investment in occupational injury insurance for employees	RMB '0000	81
	Coverage rate of physical examinations for employees	%	100
	Inspection of occupational disease hazards	%	100
	Number of new cases of new occupational diseases	Case	0
Incidence rate of occupational diseases	%	0	
Contribution to Society	Total public welfare input	RMB '0000	31.1
	Village revitalization projects completed	Items	1
	Number of newly employees	Person	83

Primary Headings	Secondary Headings	(GRI Standards) Sustainability Reporting Standards of the Global Reporting Initiative (GRI Standards)	Shenzhen Stock Exchange Guidelines for Sustainable Development Report
About This Report			
Message from the Chairman		102-14	
About Zhiguang Electric			
Special Focus Lead the Future Innovation-Driven Development	Smartly Steering Change with Technology, Partnering for a Shared Future		
	Energy Storage Goes Global to Pioneer New Overseas Markets		
Corporate Governance	Sustainable Governance		Article 18 (II), Article 18 (III), Article 18
Environmental	Environmental Management		
	Materials Management	301-1	

Primary Headings	Secondary Headings	(GRI Standards) <i>Sustainability Reporting Standards of the Global Reporting Initiative</i> (GRI Standards)	Shenzhen Stock Exchange Guidelines for Sustainable Development Report
Social	R&D Innovation	203-1	Article 41, Article 42, Article 43
	Responsible Supply Chain		
	Product Safety and Quality	417-1	Article 47
	Customer Service	418-1	Article 48
	Compliant Employment		
	Occupational Health and Safety		
	Corporate Social Responsibility	203-2	Article 38, Article 39
Annex	Indexes		
	Feedback Form		

Thank you for reading the 2024 Environmental, Social and Governance (ESG) Report of Guangzhou Zhiguang Electric Co., Ltd., suggestions are an important basis for us to continuously improve the level of corporate ESG information disclosure and promote corporate sustainable development management and practices.

1. For Zhiguang Electric, your identity is:

2. Your overall assessment of the company's ESG report is:

3. How well do you think we do in terms of product liability?

4. How do you think we're doing with the environment?

6. How well do you think we are doing in terms of corporate governance?

7. What other recommendations do you have for our ESG work and this report?

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