



金盘科技
JINPAN TECHNOLOGY

STOCK CODE
688676

GREEN MANUFACTURING
TOWARD A LOW-CARBON FUTURE



Hainan Jinpan Smart Technology Co., Ltd.

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2021
ENVIRONMENTAL SOCIAL AND
GOVERNANCE (ESG) REPORT
HAINAN JINPAN SMART TECHNOLOGY CO., LTD.

About This Report

This report is the first ESG report issued by Hainan Jinpan Smart Technology Co., Ltd., and mainly discloses the opportunities and challenges faced by the company and stakeholders in the process of creating value together, the measures taken to achieve sustainable development and the results achieved.

Time Range

This report is an annual report, with the time range from January 1, 2021 to December 31, 2021. Some contents are extended to enhance continuity and comparability of the report.

Report Scope

This report covers information and key performance of sustainable development efforts of Hainan Jinpan Smart Technology Co., Ltd. and its subsidiaries.

Data Source

All information and materials disclosed in this report are from official documents, statistical reports and annual reports of the company. Unless otherwise specified herein, all amounts are expressed in RMB. In case of any discrepancy between the financial data disclosed in this report and the annual report, the annual report of the company shall prevail.

Title Description

For ease of expression and reading, the “stakeholders” in this report is sometimes also expressed in “you”, “Hainan Jinpan Smart Technology Co., Ltd.” is sometimes also expressed in “Jinpan Technology”, “Jinpan”, “we” or “the company”.

Reference

- This report is in line with the disclosure requirements of *Self Regulatory Guidelines for Listed Companies of Shanghai Stock Exchange No. 1 - Standardized Operation*.
- In line with the disclosure requirements of *the Appendix 27 Guidelines on Environmental Social and Governance Reporting of Rules Governing the Listing of Securities on the Stock Exchange of Hong Kong Limited issued by Stock Exchange of Hong Kong Limited*.
- Compiled with reference to *the Guidelines on Corporate Social Responsibility Reporting in China (CASS-CSR 4.0) issued by the Research Center for Corporate Social Responsibility, Division of Economics, Chinese Academy of Social Sciences*.
- Compiled with reference to *the Global Reporting Initiative's Global Reporting Initiative Standards (GRI Standards)*.

Reliability Assurance

The company undertakes that there is no false record, misleading statement in this report.

Report Access

The report is available on the company's website at <http://www.jst.com.cn>. This report is issued in simplified Chinese and English versions. In case of any discrepancy between the two versions, the Chinese version shall prevail.

Feedback on the Report

If you have any feedback or suggestions on this report or the company's sustainability performance, please send them to the E-mail info@jst.com.cn. In addition, a reader feedback questionnaire is attached at end of this report. We thank you for taking the time to complete this form and send it to the above email address.

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Message from the Chairman

Creating a Sustainable Development Ecosystem, Building a “Community of Corporate Destiny”

The year 2021 was the first year of the 14th national "Five-Year Plan", and the key year of starting the second centenary goal. Jinpan Technology has always practiced our corporate mission of "creating greater value for clients, creating a space for employees to grow, and creating a development pathway for the company," as well as continuously developing and cultivating our business philosophy of "truthful management, green development, digital leadership, and smart future development."

We capitalized on the opportunity to the digitization and China's carbon peak and neutrality goals, continuing to promote the transition to digital manufacturing, providing users with higher-quality products while simultaneously reducing our employees' workload, increasing production capacity and efficiency, and reducing company burden. We also use various "new energy application" oriented products, thoroughly implementing our enterprise's economic, environmental and social responsibility, working in concert with employees, customers, society and nature to create a sustainable development ecosystem, and build a "community of corporate destiny," thus making modest contributions to the cause of China and the world's sustainable development.

Building a Shared Future Community with Our Employees: Helping Each Other and Growing Together

Employee value is the foundation of Jinpan Technology, we cherish the growth and sustainable development of every Jinpan Technology employee. We create an equal and diverse career development platform while also continually empowering employees, providing them with multi-channel, multi-level training systems and development paths, helping employees realize their self-worth. We also value the happiness and sense of worth of our employees and their families, strictly implementing our PPE system, and providing physical and mental health counseling for employees. Through constructing digital factories, improving process materials and utilizing smart robots, etc., we are committed to improving our employees' manufacturing environment by targeting root causes, allowing them to work happily and efficiently in a comfortable, safe environment. After becoming the listed company, the company implemented the first equity incentive plan, using equity incentives to empower employees to grow, enhance company cohesion, promote the formation of a community of interests between the company and employees, and achieve the common sustainable development of the company and employees.

Building a Shared Future Community with Our Clients: Mutual Achievement and Shared Development

The core of Jinpan Technology is customer value, we continually create comprehensive value while satisfying our clients' diverse product and solution needs. We designed and constructed China's first high-end dry-type transformer digital factory selected into "The List of Units and Excellent Scenes of Intelligent Manufacturing Demonstration Factories in 2021" of four ministries and commissions, deeply integrating new-generation information technology with manufacturing technology, subverting the traditional manufacturing model and operation management model, improving resource utilization efficiency. Our digital factory builds a data information flow from procurement-design-production-sales-after-sales, and timely feedbacks customer needs to the corresponding links, significantly improving product quality and production efficiency while significantly reducing R&D, production and operation costs, and achieving flexible manufacturing in response to customized needs. We persist in innovation in technology, management and production mode, and our products have passed a series of international authoritative certifications, such as UL, CE and DNV-GL certifications.

Building a Shared Future Community with Society: Being Respectful in Our Dealings and Sharing Our Accomplishments

Jinpan Technology aims at social value and warms the harmonious society with small efforts. At the beginning of the Covid-19 pandemic, we immediately implemented our anti-pandemic measures at each of our company bases, actively resuming production and work; we also actively donated relevant power distribution equipment to the front lines of the anti-pandemic fight, even while our entire company was beset by Covid-19, helping to win the battle for pandemic prevention and control. We actively assisted in the face of natural disasters, such as helping in the reconstruction of the Zhengzhou Metro during heavy rain, ensuring that power generation and operations were resumed as soon as possible. We actively participated in the cause of rural revitalization, joining hands with China Telecom in the Muli County Digital Village Construction Cooperation Project. We are also actively engaged in education development, donating 5 million RMB to the Wuhan University of Technology.

Building a Shared Future Community with Nature: Embracing Nature and Building the Future Together

2021 was the first year of China embarking on its journey to "Carbon Neutrality." Jinpan Technology maintains "producing green products using green energy," contributing to the cause of "peak carbon emissions and neutrality." In 2021, Jinpan won the title of "Five-Star Level Green Supplier" by Goldwind. We introduced an advanced sewer treatment system, directly recycling wastewater through chemical and biological treatments, as well as physical filtration and other processes, thus achieving zero discharge of industrial sewage and minimizing water resource usage. We have invested in the construction of distributed rooftop photovoltaic power stations in each manufacturing base, and the average annual power generation can meet 30% of their own electricity demand. We launched an energy management system in each factory implementing more transparent management, monitoring, analysis, and forecasting of energy consumption for the whole factory, thus comprehensively reducing energy consumption and greenhouse gas emission at all operational levels. Our company's energy consumption per 10,000 RMB of output was 0.01 tons of standard coal in 2021, making us the leader in the industry.

During the 14th Five-Year Plan period, Jinpan Technology will focus on new energy and digital industrialization as the strategic core, continuously consolidate the company's dominant position in the field of new energy, focus on energy storage series products, and deploy nationwide energy storage digital factories. Jinpan Technology will use digital technology as a carrier to promote the commercialization of digital overall solutions while fully realizing the digital transformation of enterprises. Jinpan Technology will unleash the vitality of high-quality development and the resilience to resist risks, join hands with stakeholders to build a "community of corporate destiny", create more comprehensive economic, social and environmental value, and contribute to the harmonious coexistence and sustainable development of mankind and the earth.

About Us

Company Profile

Founded in June 1997, and listed on the Science and Technology Innovation Board of the Shanghai Stock Exchange on March 9, 2021, Hainan Jinpan Smart Technology Co., Ltd. is the first enterprise in Hainan Province to be listed on the Science and Technology Innovation Board. As a leading global supplier of new energy power system supporting facilities, we focus on new energy, high-end equipment, energy conservation and environmental protection, intelligent power fields, and provide the overall power supply solution and high-end equipment for new energy (including wind power, photovoltaic, energy storage, etc.), new infrastructure, rail transit, smart grid, major infrastructure construction projects for global middle and high-end markets with digital manufacturing. Oriented at the global high-end market, our products have obtained a series of international authoritative certifications, such as the United States UL Certification, the Netherlands KEMA Test, the CE Certification, the CSA Certification and Energy-saving product Certification, with stable performance, good quality, and strong customization ability, and have been recognized by many customers at home and abroad. Under the strategic background of energy revolution, digital industrialization and industrial digitalization with "peak carbon dioxide emissions, carbon neutrality" objectives put forward by the country, we constantly upgrade and iterate products and technologies, devote ourselves to energy storage field, realize comprehensive digital transformation, promote the commercialized development of overall digital solutions such as digitalization and intelligent manufacturing, intelligent factories, intelligent parks, support the national industrial digitalization process, and gradually develop ourselves into a leading digital manufacturing enterprise, making a positive contribution to the development of the domestic and international new energy industry and major infrastructure construction.



Business Layout

While upholding the business philosophy of “integrity and green development”, we based ourselves on the overall power supply solution of new energy, high-end equipment, energy conservation and environmental protection, intelligent power and other fields , as well as high-end equipment R&D, production and sales. Our products and services serve 82 countries and regions in 6 continents. We are committed to providing all kinds of innovative power solutions and high-end equipment for customers in all scenarios around the world.

Asia

China, United Arab Emirates, Oman, Azerbaijan, Pakistan, Kalimantan Timur, Philippines, Kazakhstan, South Korea, Kalimantan, Cambodia, Kasim, Kuwait, Laos, Malaysia, Bangladesh, Burma, Pajala, Jharsuguda, Japan, Saudi Arab, Thailand, Turkey, Kalimantan Barat, Syria, Iraq, India, Indonesia, Vietnam, Java, Uzbekistan, Singapore, Israel

Europe

Austria, Republic of Belarus, Poland, Denmark, Germany, Russia, France, Latvia, Lithuania, Portugal, Sweden, Serbia, Slovenia, Ukraine, Spain, Greece, Italy, United Kingdom, Netherlands, Ireland

North America

Canada, United States, Bahamas, Costa Rica, Mexico, Saipan, Guatemala

Africa

Egypt, Ethiopia, Equatorial Guinea, Congo, Ghana, Morocco, South Africa, Nigeria, Sudan, Côte d'Ivoire, Zambia, Sierra Leone

Oceania

Australia, Fiji

South America

Argentina, Brazil, Colombia, Cochabamba, Peru, Venezuela, Chile, Cuba



Development History

After more than 20 years of hard work and steady development, we have grown into the world's leading dry-type transformer enterprise in the field of wind energy. We implement digital strategy via technological innovation, focus on new energy field, achieve industrial upgrading, and have transformed from traditional manufacturing to digital intelligent manufacturing, making positive contribution for national high quality development.

1997~2005 Start from the island, build a solid foundation

In 1997

Hainan Jinpan Special Transformer Factory was established with a quality management system.

In 1998

It was listed at the American Stock Exchange, becoming the first private enterprise in China listed in the United States; dry-type transformer products were exported to Europe and the United States.

In 1999

The first dry-type power transformer with the capacity up to 10,000 KVA was delivered to the Beijing Metro "Fu Ba No.1 Metro Line" project.

In 2000

It established an ISO14001 environmental management system; established a local network, and an ERP corporate resource plan management system; dry-type transformer R&D project was identified as a "China Torch Program" project by the Ministry of Science and Technology.



In 2001

It was identified as "Advanced Technology Enterprise with Foreign Investment in Hainan Province".

In 2002

It developed and manufactured energy-saving and environment-friendly box type substations and the high-low-voltage switchgear assemblies; it established an OHSAS 18001 occupational health and safety management system; it was recognized as the "Provincial Transformer Engineering Technology Research Center" by the Science and Technology Department of Hainan Province.

In 2005

Dry-type transformer products were rated as "China Famous Brand Products", and acquired "Certificate For Product Exemption From Quality Surveillance Inspection".

2006~2012 Forge ahead, rapid development

In 2008

It built Wuhan R&D and Manufacturing Base, established Electrotechnology Research Institute, and began group-oriented development; dry-type transformer products were put into service in "New York World Trade Center Free Tower Electric Engineering Project"; sales exceeded 1 billion yuan, rated as as one of the "Top 200 companies in Asia with a market value of less than \$1 billion in 2008". JST Wuhan production base was constructed and put into operation, and Jinpan Technology was identified as "High-tech Enterprise" by the Ministry of Science and Technology.

In 2010

It was rated as "China Torch Program Key High-tech Enterprise" by the Ministry of Science and Technology.

In 2011

It was awarded the "'11th Five-Year Plan' National Science and Technology Plan Excellent Executive Team Award" by the Ministry of Science and Technology and included in the "China Torch Program Projects".

In 2012

It successfully developed world's largest capacity dry-type transformers (40000 KVA); it was rated as a national AA enterprise for entry-exit inspection and quarantine credit management.

2013~2021 Digital transformation, marching towards a new journey

In 2013

Guilin R&D and Manufacturing Base was built to start implementing industrialization and informatization.

In 2014

It was rated as "Innovative Pilot Enterprise for Internet and Industrial Integration" by the Ministry of Industry and Information Technology.

In 2015

The Post-doctoral Research Workstation was established. Sales of the year exceeded 1.5 billion yuan.

In 2017

The Intelligent Technology Research Institute was established to carry out technology research and application of digital industrialization; joint-stock system reform was completed; sales of the year exceeded 2 billion yuan.

In 2020

Jinpan Technology Haikou High-end dry-type Transformer Digital Factory was constructed and put into operation. It became the first dry-type transformer digital factory in China which passed the VDI4499 standard certification of Association of German Engineers, and rated as the "Industrial Internet Pilot Demonstration Project" and "Specialized and Sophisticated Enterprise" by the Ministry of Industry and Information Technology.

In 2021

Hainan Jinpan Smart Technology Co., Ltd. was listed on the Science and Technology Innovation Board of Shanghai Stock Exchange through initial public offering, which is the first enterprise in Hainan Province to be listed on the Science and Technology Innovation Board.

The company built and put into production Guilin digital factory, which was the second digital factory independently developed by the company.

The company signed the general contract of intelligent manufacturing overall solution of more than 100 million yuan, making a new breakthrough in digital services.

The company was selected into "The List of Units and Excellent Scenes of Intelligent Manufacturing Demonstration Factories in 2021" of Four Ministries and Commissions, and won Nomination Award of China Quality Award.

The company completed the first grant of Company's 2021 Restricted Stock Incentive Plan.

The annual revenue reached 3.303 billion yuan, an increase of 36.32% compared with 2020.

Development Strategy

Under the strategic background of energy revolution, digital industrialization and industrial digitalization and "peak carbon dioxide emissions, carbon neutrality" goals put forward by China, we focus on unifying social value and commercial value and realizing high-quality green and sustainable development, continues to emphasize the energy Internet field while sticking to existing business, actively participate in the construction of green energy and smart grid via industrial digitalization, including the R&D, production and sales of products in the field of wind energy , photovoltaics and energy storage, so as promote the practice of industrial digitalization, and gradually build ourselves into a leading digital manufacturing enterprise.

A new journey to a great company

1 Stage 1 (1997~2020)

Dry-type transformer products

After more than 20 years of development, we continuously upgrade and iterate products and technologies to promote the development and application of overall solutions for digital transformation and upgrading. We have achieved the transformation of core products represented by dry-type transformers , from power transmission and distribution to new energy, high-end equipment manufacturing, energy conservation and environmental protection, and become the dominant dry-type transformer enterprise in the global wind energy field.



2 Stage 2 (2021~2025)

Energy storage + Digitalization

Under the new era strategy of "peak carbon dioxide emissions and carbon neutrality" goals and "industrial digitalization", we have made clear the two core businesses for development strategy at the present stage, arranging the energy storage field by digital means, and actively promoting the commercial development of the industrial digitalization.



During the 14th Five-year Plan period, we will fully arrange the digital energy storage factories nationwide while centering on energy storage series products. Relying on the energy-storage related intellectual property rights and core technologies of the company's R&D team, as well as with the high-quality customer resources on the power generation side, power grid side and user side, we will comprehensively promote the R&D and manufacturing of various products by digital means with energy storage system as the core.

We will realize our own comprehensive digital transformation, promote the commercial development of overall digital solutions such as digitalization and intelligent manufacturing, intelligent factories, intelligent parks, and support the national industrial digitalization process.

3 Stage 3 (2025~2030)

Hydrogen production + hydrogen energy application

We will focus on the digital technology of hydrogen energy industry centered on hydrogen production and hydrogen energy application, and build ourselves into an advantageous enterprise in hydrogen energy industry, contributing to the harmonious coexistence of mankind and the earth and sustainable development.



Sustainable Development Management

Effective management system is an crucial guarantee for enterprises to achieve sustainable development. We have established a company-wide sustainable development work system, and strengthened the implementation of sustainable development work, so as to enhance our own economic, social and environment comprehensive value creation ability, and promote the healthy and steady development of enterprises and the society.

Board Statement

In 2021, the company set up ESG Committee under the Board of Directors, with Mr. Zhiyuan Li, chairman of the company, as the chairman of the ESG Committee, Hui Li, and KAIYU SONG, directors of the company, as the members of the ESG Committee, and formulated the working rules of ESG Committee of the Board of Directors. ESG Committee is mainly in charge of studying and making suggestions on the environmental, social and corporate governance work of the company, reporting its work to the Board of Directors and being responsible to the Board of Directors, so as to further strengthen the company's ESG governance level.

Agenda	Sustainable Development Goal	Actions
Company Management	Create value for shareholders with sound corporate governance.	<ul style="list-style-type: none">Abide by the business philosophy of integrity, continuously improve the corporate governance system, improve the level of corporate governance.Constantly optimize the anti-corruption related supervision, inspection and control mechanism, create legal atmosphere of honesty, self-discipline and compliance.
Product Development	Further improve quality, innovation, service and other indicators to make customer satisfied.	<ul style="list-style-type: none">Comprehensively promote the construction of digital factories, further deepen the digital production mode.Continue to carry out R&D and application of advanced technology, improve the technological content of the company's products.Promote the standardized and delicacy management of safety production, and comprehensively extend to the subsidiaries.
Supply Chain Management	Encourage upstream and downstream sectors to exercise social responsibility, and realize green supply chain.	<ul style="list-style-type: none">Strengthen the audit and evaluation of suppliers' social responsibility fulfillment.Promote suppliers to release social responsibility reports and disclose green development information.
Environmental Protection	Minimize environmental impact and contribute to the realization of the "peak carbon dioxide emissions, carbon neutrality" goals.	<ul style="list-style-type: none">Further develop photovoltaic power generation, increase the green power use ratio.Accelerate the layout of new energy, energy storage and other related businesses, and development of the new energy field.Continue to promote clean production, adhere to zero waste water discharge, exhaust emissions compliance.
Working Environment	Pay attention to staff career development, achieve common development.	<ul style="list-style-type: none">Further deepen the equity incentive policy.Innovate skilled talents training, enhance personal quality of employees.Optimize production work environments to ensure employee occupational health.
Social Harmony	Share development outcomes with all stakeholders.	<ul style="list-style-type: none">Continue to carry out volunteer services and student aids to contribute to the community.Do a good job in the prevention and control of epidemic on a regular basis, and safeguard the safety of citizens.

Communication with Stakeholders

Maintaining regular communication with stakeholders is an important part for us to achieve sustainable development management. We communicate with major stakeholders of the company through meetings, regular visits, satisfaction surveys and other forms to understand their expectations and demands, and take measures to respond to and satisfy their reasonable demands according to our own production, operation and business situation.

Stakeholders	Expectations and Requirements	Response Measures
 Government	<ul style="list-style-type: none">Compliance managementDrive local economic development	<ul style="list-style-type: none">Abide by the law and pay taxes according to lawCreate employment opportunities
 Shareholders	<ul style="list-style-type: none">Continuous and stable returnsStandardized corporate governanceInformation transparency and disclosure	<ul style="list-style-type: none">Improve the business management levelInvestor receptionsHold shareholders' meetingPublicize information regularlyDividends to shareholders
 Customers	<ul style="list-style-type: none">Quality products and servicesStrict complianceWin-win cooperation	<ul style="list-style-type: none">Strengthen product quality controlFulfill contract agreementDeliver customized products on timeProvide quality serviceCarry out customer visits and training activities
 Suppliers and other partners	<ul style="list-style-type: none">Impartial, fair, openGood faith complianceAnti-unfair competitionWin-win cooperationSharing experience	<ul style="list-style-type: none">Open and transparent procurementTimely paymentProtect intellectual property rightsStrategic cooperationTechnical exchangesCreate a green supply chain
 Employees	<ul style="list-style-type: none">Basic rights and interests guaranteeEmployee health and safetyFair promotion and developmentEmployee care	<ul style="list-style-type: none">Improve the salary systemProvide a safe and healthy working environmentProvide fair promotion channelsStrengthen employee trainingCarry out employee care activities
 Environment	<ul style="list-style-type: none">Energy conservation and emission reductionWaste treatmentReduce pollutant emissionGreen office	<ul style="list-style-type: none">Carry out energy management activitiesRecycle resourcesStrengthen environmental protection trainingDisclose environmental information
 Community and Public	<ul style="list-style-type: none">Community developmentPoverty alleviationCommunity communication	<ul style="list-style-type: none">Support rural vitalizationCarry out charity activitiesEmployee volunteer servicesDonate to educationAssist in epidemic prevention and control

Substantive Issues Identification

We determine key substantive issues in accordance with GRI Sustainability Reporting Standards (GRI Standards) and national macro policies, as well as the focus of attention of internal and external stakeholders on relevant issues of the company, and ensure that the disclosure of report contents is more in line with the concerns and demands of stakeholders.

Issues Identification

We identify and develop a database of important issues according to the *GRI Sustainability Reporting Standards* as well as the relevant indicators of peers.

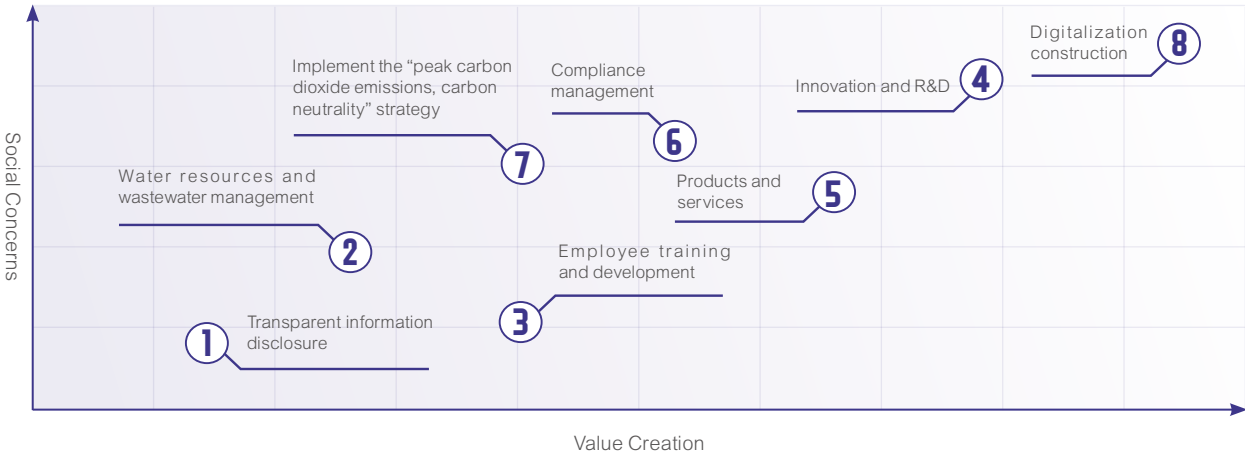
Issues Research

We conduct interviews with internal employees, analyze the importance of issues through internal management and external experts, and then sort out external media reports and analyze external attention to relevant issues.

Issues Response

We sort the issues according to the two dimensions of "value creation" and "social concern", finally determine 8 substantive issues which are important to the company and stakeholders, and formulate corresponding action plans and highlight them in the report.

Substantive Issues	Report Response	Page No.
1.Transparent information disclosure	We have set up the Board of Directors Office, receive investors' inquiries, receive investors, and maintain timely and efficient communication with investors.	P28
2.Water resources and wastewater management	We have introduced sewage treatment system, and industrial waste water can be directly used through chemical treatment, biological treatment, physical filtration and other processes to achieve zero discharge of industrial waste water.	P49
3.Employee training and development	In response to the training needs of employees of different types and positions, we develop various forms of training courses to help each employee improve their self-ability and grow together with the company.	P57-58
4.Innovation and R&D	We have 33 core technologies in power transmission and distribution and control equipment products; 12 core technologies in energy storage series products; 7 core technologies in industrial software products; 12 core technologies in manufacturing mode innovation and digital factory overall solutions.	P35-36
5.Products and services	We provide the corresponding green supporting products for the construction of major projects in the field of new energy at home and abroad, which have been widely recognized;	P31-32
6.Compliance management	We earnestly fulfill the basic obligations of the company, continuously improve the compliance management system including anti-corruption, compliance audit and legal construction, and eliminate all non-compliance behaviors.	P27
7.Implement the "peak carbon dioxide emissions, carbon neutrality" strategy	We have invested in the construction of distributed rooftop photovoltaic power stations in Guilin, Haikou, Wuhan and Shanghai bases, improved the green power ratio, and adopted the mode of "generate power for our own use, and connect surplus power to the grid" to reduce carbon emissions.	P47
8.Digitalization construction	We have successfully built Haikou dry transformer digital factory, Guilin complete equipment digital factory, and carried out the construction of Wuhan dry transformer digital factory, Wuhan energy storage digital factory, and Guilin energy storage digital factory.	P15-22



Company Culture

Enterprise Vision

- Build a "community of shared future for enterprises" and benefit employees, enterprises and the society

Enterprise Mission

- Create greater value for customers, create growth space for employees, and blaze a development path for enterprises

Business Philosophy

- Integrity management, green development, digital leadership, smart future

Goal of Digital Factory

- With data, demand is better met because of smart manufacturing

Enterprise Spirit

- Ambitious, passionate, intelligent
- Make bold innovations, work hard, embrace responsibility

Enterprise Style

- Be honest and work earnestly
- Work with fun, live healthily

Enterprise Values

- Centering on customer value, building on employee value, oriented at social value, learning and growth, self-fulfillment, innovation and development, supporting others

Work Standards

- Customer service standards: customer - centered, create the best customer experience
- Quality standards: rigorous analysis, strict operation, meticulous inspection
- Safety standards: compliance with rules and regulations, eliminate hidden dangers, prevent accidents
- Efficiency standards: process management, automation, digitalization
- Staff standards: mutual help and love, loyalty and gratitude, dedication and efficiency, honesty and self-discipline
- Cadre standards: professional ability, professional quality, professional spirit, want to do things, can do things, accomplish things

Responsibility Awards

Selected into "The List of Units and Excellent Scenes of Intelligent Manufacturing Demonstration Factories in 2021" of Four Ministries and Commissions

"Top 100 Enterprises in Hainan Province in 2021", "Top 35 Manufacturing Enterprises in Hainan Province in 2021" by Hainan Provincial Enterprisers' Association

Included in the list of Leading Industrial Enterprises in Guangxi Autonomous Region (first batch)

Won the honorary title of "Advanced Grassroots Party Organization" issued by the "Two New" Working Committee of Hainan Provincial Party Committee

"Professional, specialized, distinctive, and innovative" SMEs in the Guangxi Autonomous Region

"Quality Management Model Combined with Digital Manufacturing and Excellence Performance Management" won Nomination Award of China Quality Award

Digital Factory

Let the Numbers Produce Value

In recent years, with the leapfrog development of the new generation of information technology and the impact of the “peak carbon dioxide emissions, carbon neutrality” policy, the traditional manufacturing industry is constantly deriving new production modes and industrial forms: transforming towards digitalization and greenization. To this end, Jinpan Technology has started the construction of digital factory in Haikou since March 2019. In accordance with the standards of the Association of German Engineers (VDI4499), Jinpan Technology has designed and built China's first high-end digital factory for dry-type transformers, focusing on the application of digital technology and energy-saving process and equipment. We have successfully obtained the TUV NORD certification, promoted the company to achieve green smart manufacturing transformation, and enhanced our core competitiveness.



Further information

VDI4499 is the German digital factory standard, which puts forward the corresponding standards and requirements for the construction, architecture, equipment selection and software procurement of digital factories.



Comprehensively Advance Digital Development

By applying Digital Twin, Internet of things, cloud computing and other advanced technologies, JST Digital Factory has realized three foundations and two simulations. Relying on the independently designed Digital System Architecture, JST Digital Factory has integrated the automation equipment and two simulations with ERP, PLM, SRM and other IT systems and MES to promote the formation of a comprehensive digital manufacturing mode. By the end of 2021, JST had successfully built Haikou dry transformer digital factory, Guilin complete equipment digital factory, and carried out the construction of Wuhan dry transformer digital factory, Wuhan energy storage digital factory, and Guilin energy storage digital factory.



Pilot and Demonstration Project of Integrating Manufacturing with the Internet 2019 issued by the Ministry of Industry and Information Technology



Pilot and Demonstration Project of Industrial Internet 2020 issued by the Ministry of Industry and Information Technology



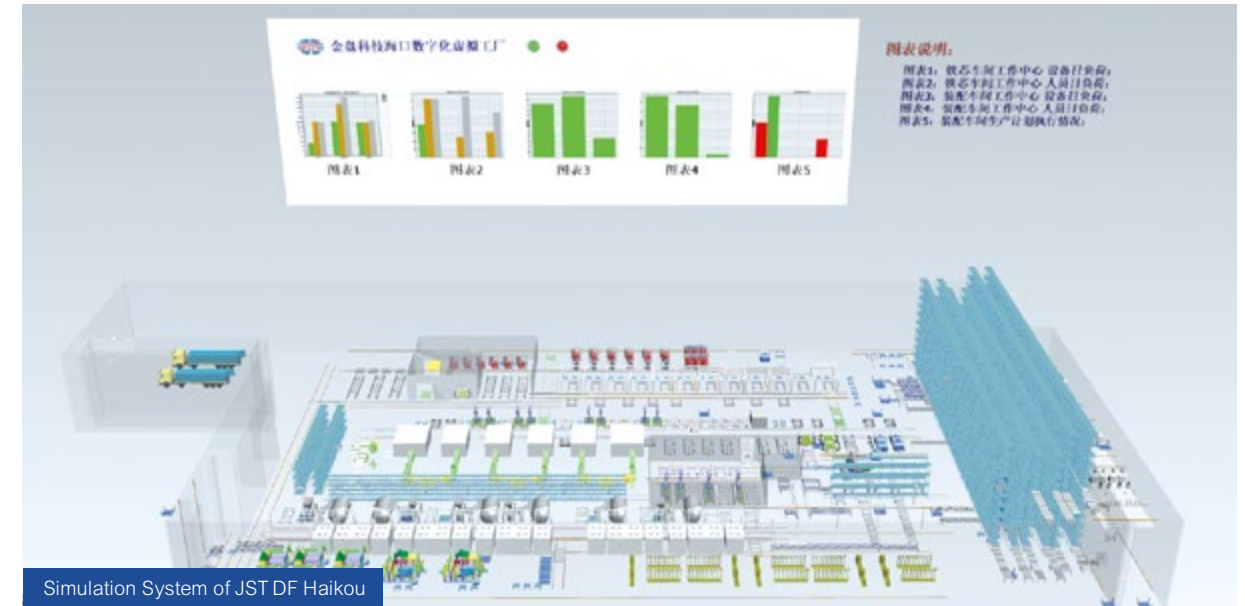
China Iconic Smart Factory issued by e-work



Selected into "The List of Units and Excellent Scenes of Intelligent Manufacturing Demonstration Factories in 2021 of four Ministries and Commissions"



Nominated for the 4th China Quality Award issued by the State Administration for Market Regulation by virtue of the "quality management mode combining digital manufacturing with performance excellence management"



Three Foundations

Automation Renovation

It mainly involves production line automation, logistics automation and data and information flow automation. Production line automation is whole-process product assembly line production concerning material processing, transportation and corresponding hardware and control systems; logistics automation is warehousing and distribution automation concerning material storage and distribution in the factory as well as hardware and control systems; information flow automation is automatic data connection and interaction by integrating and connecting all the application systems contained in the application architecture.



Two Simulations

Full-scenario Simulation

Production technology and process simulation is realized on the basis of well-mastered product design simulation. It's whole-process and full-scenario simulation covering design, manufacturing, operation and maintenance. It's simulation of technological process and production line on product realization from processing and manufacturing at the parts process level, processing and manufacturing at the product assembly level, operating steps at the production station level, and logistics at the production line level by applying digital modeling and simulation tools. It rehearses the product realization process, optimizes the production process and improves the operational performance by using data-driven planning to optimize scheduling, accurately control the manufacturing process and logistics, warehousing and distribution.

Application Architecture

Digitalization Driven

According to the German Digital Factory standard, the Digital System Architecture designed by the Company's technical team integrates the Three Foundations and Two Simulations with ERP, PLM, SRM and other IT systems and MES to promote the data connection of the system. It comprehensively realizes the automatic data collection of the production process and business process in the full product life cycle, and automatic transmission, calculation, optimization, matching, storage and other functions in the whole system. Through these systems and applications, the company has access to visualized and transparent production sites, and realizes simulated and optimized data-driven distribution and storage automation, electromagnetic line processing automation, iron core manufacturing automation, pouring automation, online detection automation and winding and assembly datamation.

Special section: a picture to understand Jinpan digital factory

Based on the successful application of digital factory, Jinpan Technology successfully realizes the comprehensive digital manufacturing mode from product design, production, delivery to after-sales service and comprehensively improves the performance, quality, delivery and service capability of products, greatly promoting production efficiency, effectively reducing costs and further enhancing the product marketing capability.

① Customer Management

By implementing the CRM system, we share information and resources within the enterprise, and dynamically adjust design, procurement, production and logistics solutions according to the changes of customer needs, so as to provide customers with more economical, efficient and thoughtful products and services.

② Product Research

We have introduced electromagnetic field simulation analysis software system to determine the specific simulation conditions of products. The transformer digital simulation platform was established, integrated with INVENTOR 3D design software, realizing virtual verification in product design, which reduces verification cost, improves product quality and product design efficiency.

③ Process Design

We provide technical guidance and specifications for manufacturing and quality inspection with structured process data. At the same time, we have optimized design parameters, process standards and inspection standards through data collection and feedback, and formed the closed-loop data flow from design process to manufacturing inspection, which provides data support for enterprise digitalization and intelligent manufacturing.

④ Planning and Scheduling

We introduce and upgrade the ERP system, realize integration and data interaction of MES, APS, CRM, etc. Production plans, material plans and inter-company production scheduling plans are generated automatically from sales demands and other production needs through the ERP system. The simulation-optimized scheduling results are obtained by interaction with APS, and then the MRP of ERP is operated automatically, further improving the efficiency and accuracy of production planning.

⑤ Purchase of Raw Materials

After obtaining the price of bulk raw materials through the SRM system, and conducting market trend analysis, we provide data support and suggestions for purchasing strategies and analyze and compare suppliers' qualifications, so as to build an all-dimensional and multi-level evaluation system and provide data support for optimal whole-value chain procurement strategy of the supply chain.

⑨ Energy Management

An energy management system has been built and intelligent energy consumption metering data collection terminals have been installed, so as to implement more transparent management, monitoring, analysis and prediction of the energy consumption of the entire factory. Further the energy of key equipment and key links is comprehensively balanced and optimized, helping the company to achieve targeted energy conservation and emission reduction.

⑧ After-sales Service

A remote product operation and maintenance management platform has been established, added and integrated with intelligent sensors for existing products, thus realizing real-time collection of key data of product operation status. Real-time data is sent to the system platform with 5G technology, and is processed with big data technology, so as to correct potential product failures in a timely manner.

⑥ Production Operation

On one hand, MES system is integrated with high-end intelligent equipment such as automatic cross shears and stackers, intelligent curing furnaces, RGVs and AGVs, which organically combines the people, machine and materials required for production, and realizes man-machine coordination in production operations. On the other hand, AR/VR machine vision and other technologies are used to realize remote guidance of equipment operation and maintenance, reduce equipment maintenance costs and improve maintenance efficiency.

⑦ Warehousing and Distribution

The materials of the assembly line of the factory are sorted and stocked through the secondary sorting area of the raw material warehouse. The material handler can get the detailed material demand information automatically through the all-in-one sorting machine, and realize the automatic distribution of materials through AGV scheduling.

Comprehensive value creation

Not just digitalization, it's more about responsibility

Since officially put into operation, the digital factory has not only comprehensively improved the company's product quality, shortened the R & D cycle, improved the efficiency of production, manufacturing and operation management, and reduced the operating cost, but also effectively alleviated the work intensity of front-line employees and effectively allocated all kinds of production resources, achieving sustainable development with customers, employees, the environment, society and other stakeholders.



For enterprises improve production efficiency

The digital factory can simulate and optimize the production techniques and production process of new products according to the change of market demand, ensuring the smooth production and the reliability of product quality and shortening the production cycle. Meanwhile, the integration of the concept of lean manufacturing with the software and hardware system of the factory reduces the work difficulty of staff, especially new employees, and realizes rapid employment, thus improving production efficiency.



For the environment improve the efficiency of resource utilization

With the digital factory technology, the virtual design and verification of products can be carried out conveniently, and the production and modification of physical prototypes can be reduced to the greatest extent, thus effectively reducing the waste of resources; simulation and prediction, as well as digital upgrading are made with the existing data (customer demand, supply chain management, equipment status, etc.), to optimize each process, reduce waste in each link, and improve the efficiency of resource allocation.



For customers greatly improve product quality

All product processes are based on a set of data model, which can strictly control and arrange product design, raw material and production process, and reduce the uncertainty between design and production, thus improving the uniformity of product data, making convenient quality planning, and greatly improving the quality level and product consistency.



For industry provide digital solutions

A stable and experienced industrial digital technology and management team has been established. While carrying out the transformation and upgrading of industrial digitalization, the company continuously outputs industrial digital technology services to the society to develop its new development advantages. In 2021, the company provided services for third-party companies, and signed a general contract for intelligent manufacturing overall solutions, with a total amount of 170 million yuan, helping its digital transformation and accelerating its development to intelligent manufacturing.



For employees increase effective working hours

Most of the traditional factory working time is occupied by auxiliary work, while the digital factory can effectively reduce staff auxiliary work time and strength, and increase the effective working hours of a shift of 8 hours through data-driven automated production line equipment and logistics distribution and warehousing system. The unmanned workshop can operate 24 hours a day without stop in ideal conditions, and the effective utilization time of equipment can be increased by 4 times.

Responsibility *Governance*

More Stable Operations

Jinpan's Viewpoint

"Integrity Management" is the basic requirement of our company management. We will continue to operate enterprises in accordance with the law, actively fulfill the due obligations of listed companies, continue to promote modern management system, perfect risk control and information construction, create more value for customers, create more growth space for employees, and bring more returns for investors.



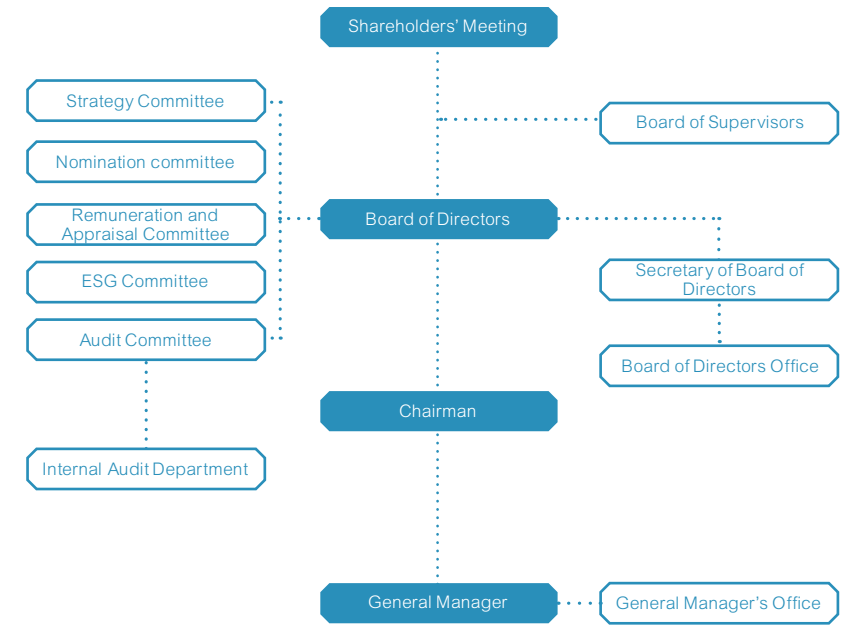
Governance Framework

Jinpan Technology strictly abides by the laws and regulations such as Company Law, Securities Law, Rules Governing the Listing of Stocks on Shanghai Stock Exchange as well as relevant normative documents, establishes a corporate governance structure with complete and balanced functions, and continues to deepen and improve the “three-committee” governance structure composed of the Stockholders’ Meeting, Board of Directors and Board of Supervisors and various governance policies.

The Stockholders’ Meeting, as an organ of authority, shall have the right to vote on major issues such as operating policy, financing, investment, profit distribution. The company shall call and convene the Stockholders’ Meeting in strict accordance with the Notice of the China Securities Regulatory Commission on Promulgating the Rules for the General Assemblies of Shareholders of Listed Companies published by China Securities Regulatory Commission and Rules of Procedure for Shareholders’ Meetings of the company to ensure that shareholders can fully exercise their rights, treat all shareholders equally and safeguard the legitimate rights and interests of listed companies and shareholders.

The Board of Directors, as a decision-making body, is responsible to the Stockholders’ Meeting and exercises the business management right of the company in accordance with the law. The Board of Directors has established Audit Committee, ESG Committee, Nomination committee, Remuneration and Appraisal Committee and Strategy Committee. Each special committee performs its own duties and does its best to promote the efficient, scientific and standardized operation of the company. The Board of Directors is composed of 6 directors, among whom there are 1 female director and 2 independent directors, all of whom have profound professional knowledge in the industry or rich experience in enterprise management.

The Board of Supervisors, as a supervisory body, is responsible to all shareholders, and exercises the right to inspect the financial affairs of the company and supervise the duty performance of the directors, general manager and other senior managers according to law.



Risk Management

We implement comprehensive risk management, fully identify various risks and opportunities faced by the company, timely adopt coping strategies to control risk continuously, effectively guarantee the compliance and steady development of the company, and achieve strategic and business objectives.

Risk management framework and three lines of defense

Under the leadership of the Board of Directors, we carry out comprehensive risk management work, set up three lines of risk management, and clarify requirements on the risk responsibilities of all levels of the company and all divisions. We have set up the Audit Committee and Audit Department under the Board of Directors to perform supervision functions, which ensures the efficient operation of the risk management organization system.

Risk management system and institutions

By introducing the COSO-ERM 2017 risk management framework and incorporating the internal control and control system, we have optimized and improved our own risk management system, and established Risk Management System of Jinpan Technology according to ISO31000: 2018 Risk Management Guidelines, ISO 31010: 2019 Risk Assessment Techniques, ISO 19600:2014 Compliance Management Systems -Guidelines, Basic Norms of Enterprise Internal Control and other relevant provisions, providing a scientific basis for implementation of the establishment of the risk management system.

At the same time, we carry out “professional and standardized” projects, distinguish the “management of people, affairs and things”, refine and optimize the internal control standards of the enterprise according to the three categories of “work, management and technical standards”, providing a sound internal control basis for the operation of the risk management system.

Risk List

Through the integration of “risk management process and target/performance management process”, and by virtue of the output of risk list, it provides analysis method and behavior guidelines for employees in key risk positions to correctly identify, check and handle business-related risks, and achieves “dynamic correction and active control” management process for the realization of the company goals.

Major risk early warning mechanism

We have established a major risk early warning mechanism, established risk monitoring indicators for major and key risks according to the principle of significance, sensitivity, simplicity and adaptability, defined risk early warning thresholds, timely and regularly summarized and released risk monitoring results, and adopted effective coping strategies to ensure that the risks faced by the company are under control.

Risk control informatization

An online risk management platform has been established to provide real-time support for risk monitoring rules, processes, methods, models and data, assist all levels and departments of the company to carry out risk management from the five aspects of establishing control objectives, identifying risks, analyzing risks, coping with risks, and supervising the implementation of risks, strengthen risk control of the whole process “before, during and after the event”, comprehensively reduce the risk and cost of enterprise operation, and improve the overall management level and sustainable operation ability.

During the reporting period, the Audit Department has regularly audited the company's 12 businesses including sales, procurement, production and warehousing, payroll and personnel, funds management, financial report, fixed assets, engineering project, research and development, information system, planning management and listing management, specially audited the middle and high risk business areas, and effectively checked the design and implementation of the two-in-one comprehensive risk management system, namely “risk management and internal control”, constantly promoted the optimization and improvement of the risk management system, and given full play to the modern audit function of “supervision, evaluation and added value” for the company to grasp and control risks.

[Jinpan SDGs Footprint]

Establish Authorization List, with clearly defined rights and responsibilities and risk control

We have established the authorization list, covering financial management, procurement business, logistics management, sales management, human resources management and other fields, and set up a multi-tiered examination and approval system involving operator/applicant, checker, approver and approver. Meanwhile, approvers of corresponding levels are set up according to different business scopes. For example, for projects with a single order amount of more than RMB 20 million yuan in procurement business, the general manager is the final approver for authorization, which greatly reduces various management risks of the company.



Relevant SDGs targets

Compliance Management

We always take integrity and compliance management at the core, take party building as the leading role, earnestly fulfill the basic obligations of the company, continue to improve the compliance management system including anti-corruption, compliance audit and legal construction, eliminate all non-compliance behaviors, and ensure that the company's business activities comply with the laws and regulations.

The Party Committee of the company cooperated with the import and export enterprises in Haikou Integrated Free Trade Zone to carry out themed Party organization activities, which mainly focused on digital factory visit and party lectures of the *Spirit of the 6th Plenary Session of the 19th CPC Central Committee*, so as to gather strength and promote the high-quality development of party construction work. The Party Branch of Wuhan Base organized all party members and some excellent employees to go to the Red Education Base in Qujiawan Town, Honghu City, in which the themed Party building activities "Keep the original faith in the 100th anniversary of the founding of the CPC, Be a pioneer while performing job responsibilities" were carried out. Shanghai Base and He Village Branch launched a joint development activity, organizing a visit to the Changshu Shajiang Revolutionary Education Base.

The *Anti-corruption and Anti-bribery Management System* has been formulated to clarify violations and disciplinary measures, and open tendering and other methods have been adopted to protect employees from being corrupted by improper interests in procurement, sales, investment attraction, outsourced projects and outsourced processing, and ensure that the interests of the company are not damaged. While strictly adhering to the Criminal Law of the People's Republic of China, we have specified interpretations of relevant regulations in the Employee Handbook, to encourage employees to report suspicious violations of the company's compliance program to the Enforcement Coordinator.

- A total of **75** Party members participated in the themed Party building activities of Haikou

- **0** case of frauds and violations found
- **76** person-times of anti-corruption training

Party
building
leadership

Building a
clean
government

Oversight
through
auditing

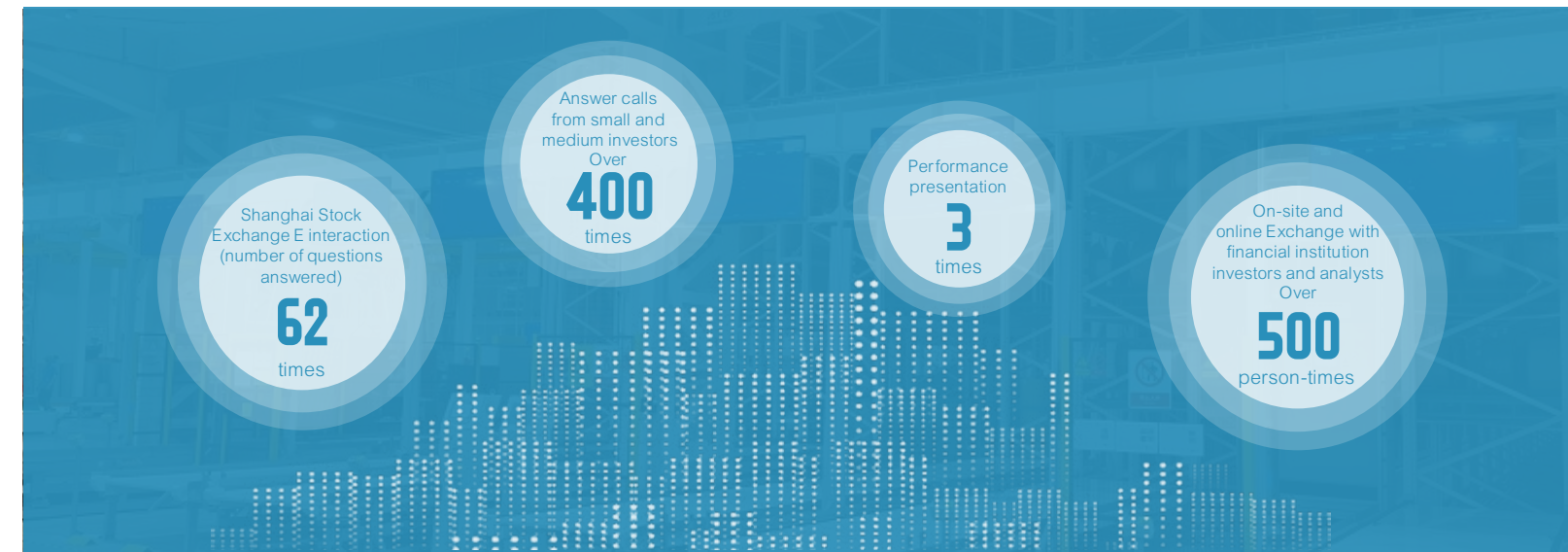
Manage
enterprises
according to
Law

We have set up a special Internal Audit Department, and formulated the Internal Audit System of Hainan Jinpan Smart Technology Co., Ltd. We conduct independent audit on all business links related to financial reports in business activities, such as sales and collection, procurement and payment, cost accounting, and submit the internal control evaluation report to the Audit Committee of the Board of Directors at least once a year to ensure the compliance and legality of company operation and management.

All employees are trained on the "Enterprise Risks Management and Prevention", and in-depth explanations are given on the possible legal risks and preventive measures of the company, so as to enhance employees' law consciousness; the office software of all employees has been comprehensively arranged, and replaced with copyrighted software, to resolutely prohibit the use of pirated software, and protect the intellectual copyright of relevant enterprises.

- Completed **10** special audit and audit investigation
- Put forward **271** audit opinions
- Audit rectification completion rate **100%**

- **93** disputes were settled in accordance with the law



Investor Relations

We have set up the Board of Directors Office, which is responsible for the management of investor relations and shareholder information of the company, receiving inquiries from investors and accepting investors' visits. We disclose the company business development information in a timely and transparent manner through the annual report, financial report, investors' telephone conference, special information disclosure and other channels.



In 2021, we carried out special activities of 5 · 15 National Investor Protection Protection Day, and set up a special activity working group. On the day of the performance presentation, promotional documents and videos were played in the company's exhibition hall, and we aimed to maintain timely and efficient communication with investors; at the same time, we actively participated in the Shareholders are Here activity, invited investors to watch the corporate videos, visit Jinpan Technology Digital Factory, digital operation and maintenance center, workshops and product test centers, etc., and had in-depth communication and exchange with investors on business status quo and development strategy.

Economic Benefit

We are committed to creating long-term economic value for our stakeholders, fulfilling our responsibility to our shareholders and investors by maintaining profitability, and contributing to the sound development of the local economy and society.

	2019	2020	2021
Total assets (100 million yuan)	33.02	40.20	53.82
Sales revenue (100 million yuan)	22.44	24.23	33.03
Main business income (100 million yuan)	22.13	24.14	32.84
Total tax (100 million yuan)	0.93	0.88	0.75



High  **Quality**

More Developed Enterprise

Jinpan's Viewpoint

Superior product value is the unremitting pursuit of enterprises. While adhering to safety production and quality management, we actively respond to the national strategy of intelligent manufacturing transformation and upgrading, continue to promote the innovation and upgrading of technologies and products, continuously improve product quality to meet the diversified market demands, and improve service level, and contribute to the social and environmental value.

Global Supply of Green Products

We are mainly engaged in the R&D, production and sales of power transmission and distribution and control equipment products applied in the fields of new energy, high-end equipment, energy conservation and environmental protection, and intelligent power. Our products are sold to 82 countries and regions around the world, and have been widely recognized by high-quality.

Green Products

We use green power to produce energy-saving power transmission and distribution products, and achieve green production through green digital factories.

Application Field

We provide corresponding green supporting products for major engineering projects in new energy, solar energy, smart grid, hydraulic power generation, energy storage, etc., and contribute to the development of the global new energy sector.

Dry-type Transformer Series

The Dry-type Transformer Series includes special dry-type transformers, standard dry-type transformers and dry-type reactors.

Wind energy, solar energy, traditional power generation, smart grid, rail transit, marine engineering, efficient energy saving, grid systems, new energy vehicles, industrial enterprises, residential buildings, infrastructures, etc.

Switchgear Series

The Switchgear Series includes medium voltage switchgears and low voltage switchgears.

Protection and control of wind energy, solar energy, traditional power generation, energy storage system, grid systems, smart grids, rail transit, marine engineering, new energy automobile charging facilities, industrial enterprises, residential buildings, infrastructures, etc.

Box-type Substation Series

Box-type Substation Series products are complete and independent box-type substations.

Voltage transformation, protection and control of wind energy, solar energy, new energy automobile charging facilities, industrial enterprises, residential buildings, infrastructures, etc.

Power Electronic Equipment Series

The Power Electronic Equipment Series products include integrated inverter grid connection devices, high voltage static dynamic reactive power compensation and harmonic suppression devices(SVG).

Power quality control and reactive compensation for wind energy, solar energy, energy storage systems, grid systems, smart grids, rail transit traction power supply systems, etc.

Boosted the Full-capacity Grid-connected Power Generation of the Largest Offshore Wind Power Project in North China

The full-capacity grid-connected power generation of Huaneng Dalian Zhuanghe Offshore Wind Power Project in December 2021 marked the smooth operation of the largest single offshore wind farm at the highest latitude in North China. JST provided 85 sets of dry-type transformers with high insulation strength, strong short-circuit resistance and fire resistance for the project. Under the strict organization and monitoring of JST professional team, all the products have been tested compliant with the requirements and put into use. After the full-capacity grid-connected power generation, the project is expected to generate 1.73 billion KWH of on-grid electricity annually, which can meet the annual electricity demand of 1.442 million households. Compared with coal-fired power plants of the same size, 540,000 tons of standard coal can be saved and 1.12 million tons of carbon dioxide emissions can be reduced annually.



Brought Medium Voltage RMUs into the International Wind Power Market

In October 2021, 28 sets of IEC standard RMU switchgears supplied by JST for Vestas, an internationally leading wind power enterprise, were shipped to Queensland, Australia after completion of the whole process test. The GMU-40.5/630-25-60 IEC standard gas insulated medium voltage RMUs will be installed inside the 28 5.6MW wind turbines for the Kaban 157MW Wind Project in Queensland. This project is the first entry of JST IEC standard RMUs to the international wind power market, contributing China's strength to the development of global renewable clean energy.



Supported the Successful Grid Connection of In-tower embedded Wind Power Booster Transformers exported to Croatia

JST provided 39 sets of safe and reliable in-tower wind power booster transformers with high insulation strength, good heat dissipation capacity and reasonable layout for the 156 MW Wind Farm Project in Seni, Croatia. All the products have been tested compliant with the requirements and put into use. In December 2021, the project was successfully connected to the grid, marking the successful operation of a model project of China-EU green energy cooperation. Compared with the conventional box-type substations, the input cost is low, the land area occupied by the equipment is small and the civil construction period is short.



90+

Integrated inverter grid connection device products have been used in more than 90 photovoltaic power station projects in the domestic market, and 1.7 billion KWh of electricity is expected to be generated, which will reduce carbon dioxide by 17 million tons.

60+

The high voltage static dynamic reactive power compensation and harmonic suppression devices(SVG) have been applied to more than 60 photovoltaic power station projects.

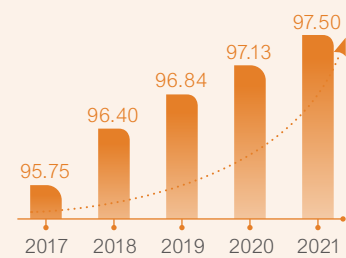


[Further Information]

Do the work well the first time

"Do the work well the first time" is the core of the quality culture of Jinpan Technology. Internally, we implement lean manufacturing and advocate craftsman spirit, so that every staff can take "zero defect" as the goal. At the same time, a perfect incentive mechanism has been established to promote and reward the craftsman spirit.

The one-off acceptance and qualification ratio of products



Continuous improvement

Jinpan Technology continuously implements improvement measures according to the PDCA cycle management mode of "planning - implementation - inspection - improvement" to promote the spiral escalation of performance of the quality management system.

Quality Management

With the quality culture of "do the work well the first time with continuous improvement", we promote the ever strengthening of total quality management, do a good job of product full life cycle quality management with digital means, establish collaborative quality management with upstream and downstream industrial chain, strive to create high-quality products and continuously improve product quality.

Product recall rate is Stakeholder recognition

0 %

We are the core supplier of the three major wind power manufacturers in the world "Vestas (Vestas Wind Power)/GE (General Electric)/Siemens - Gamesa", regularly accept and pass the integrity evaluation regularly every year.

Quality Management System

We have organized and developed Jinpan Technology Quality Risk Management System according to the ISO 9001 Quality Management System Standard, in consideration of the actual situation of the company, established effective quality risk control system, and improved quality risk prevention ability, providing a guiding basis for ensuring the quality safety of the company. At the same time, the general manager is the first person responsible for quality safety, and the deputy general manager in charge of quality safety manages the company's quality and safety system and establishes the quality safety management system. The Quality Safety Management and Testing Department is responsible for comprehensive control in the full product life cycle, including sales, research and development, procurement, production and department head responsibility system is implemented, with clearly defined responsibilities. As of December 31, 2021, the company and its subsidiaries have obtained ISO 9001:2015 Quality Management System Certification, ISO 10012:2003 Measurement Management System Certification.

Prevent and Control Quality Risk

We take "Potential Failure Mode and Effects Analysis (FMEA)" as a management tool for risk prevention and control. When introducing new standards, new designs, new processes, new materials, new production lines, and new applications, we will start the quality risk management program, set up the project professional technical team, identify the quality risk points with the structure chart, analyze them one by one with the FMEA tool, and take targeted control measures after determining the risk level, so as to reduce the risk level and ensure the company's product quality and safety.

Industrial Chain Collaborative Quality Management

Since winning the first "Hainan Government Quality Award" in 2016, we have further implemented the concept and measures of total quality management into every link of the company's operation and management, consolidated various management systems into the management software system through the standard process, connected suppliers, customers and the company's various functions and operations on the industrial Internet platform, and realized the quality coordinated development and improvement of the whole industry chain.

Collaborative Quality Management with upstream industry chain

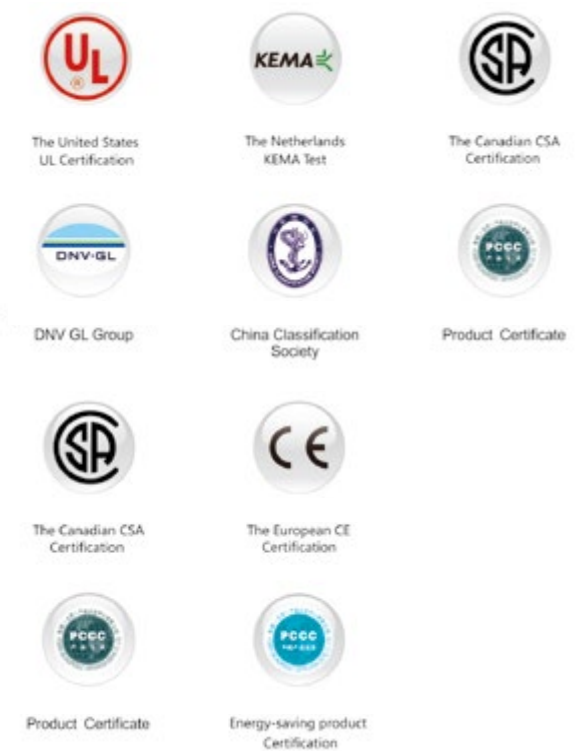
We select and manage suppliers strictly. According to the technical requirements of raw materials, we conduct in-depth evaluation of suppliers through sample testing, on-site evaluation, trial use, etc., to ensure the supply of high-quality raw materials, and form a strong overall supply chain supporting capacity and high-quality raw material deliverability. At the same time, by actively providing technical and management guidance for long-term suppliers, we have cultivated a number of strategic partners, and established collaborative quality management with the upstream industry chain.

Collaborative Quality Management with downstream industry chain

We cooperate with key customers, jointly developing products or optimizing product technical solutions to meet customer needs, strive to provide customers with products and services beyond expectations, cultivate high-quality customer groups, and achieve collaborative quality management with the downstream industry chain.

Product Quality Certification

Our products are compliant with GB, IEC, IEEE, NEMA, ANSI, CSA, JEC and other domestic and international electrical standards, and have obtained the Energy Conservation Certification. Our products are certified by 242 labels, including international labels such as KEMA, CE, UL, CSA, Gost and CU-TR, DNV-GL and BV, as well as domestic labels such as CQC, PCCC and CCS.



Deal with Product Quality Disputes

For product quality disputes, we implement the prescribed handling and identification process according to the After-sales Business and Service Management System. When "defective products" defined in the process are found, we will initiate the "defective product information disclosure and return/replacement procedures", so as to ensure that quality and safety hazards are corrected and controlled in a timely manner, and reduce the risks of enterprises and customers.

[Jinpan SDGs Footprint]

Jinpan Technology was nominated for China Quality Award

We always accord top priority to quality management work, take "create greater value for customers" as our mission, and in the process of digital transformation and upgrading, we actively help more manufacturing enterprises to move towards intelligent manufacturing. On September 16, 2021, the company was nominated for the 4th China Quality Award by virtue of the "quality management mode combining digital manufacturing with performance excellence management", becoming the only power equipment R&D and manufacturing enterprise that has won Quality Award, and the only enterprise that has won this award in Hainan over the years.



Relevant SDGs

We have established the quality management mode combining digital manufacturing with performance excellence management while implementing performance excellence management system. By utilizing platform software system, we consolidate the core process quality management and product quality management to the whole product life cycle and whole supply chain management, realize the real-time quality data exchange and management through the Internet platform, and improve the quality management level and efficiency through digitalization. Through provision of digital standardized services to customers, collaborative innovation and standardized management with suppliers, we promote quality coordinated improvement of the whole industry chain.

Customer Service

Adhering to “customer-centered, create the best customer experience”, we provide intimate service for the whole business process, attach great importance to confidentiality of customer information, and provide customers with worry-free service guarantee.

Whole-process Intimate Service

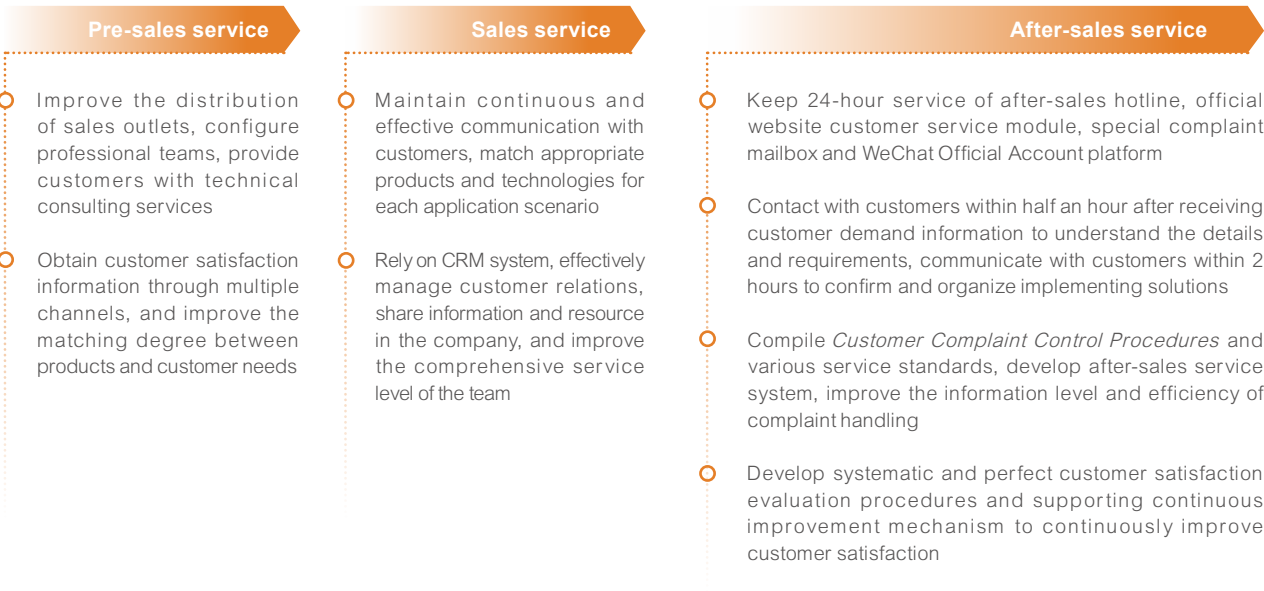
We have established a set of whole-process service system including pre-sale, sale, and after-sales, and with the help of customer relation management system (CRM), have opened up internal information communication channels, to continuously enhance service quality.

- 53 marketing outlets in major provincial capitals or key cities in China
- The number of complaints received for leaking customer information was 0

Confidentiality of Customer Information

We fully respect customer privacy right. We have formulated the Customer Information Confidentiality System according to national relevant laws, regulations and rules, with hierarchical management of customer information. We have taken the corresponding security measures for the customer information with different security classification, and adopted a series of effective methods in terms of hardware and software, so as to strengthen the customer information security management and protect, and prevent information leakage. In addition, through the learning, training and publicity of confidentiality knowledge and other activities, Jinpan Technology enhances the confidentiality awareness of all staff.

- In 2021, overall customer satisfaction score was 98.17 points, with satisfaction level of "VERY SATISFIED", showing an increasing trend for three consecutive years

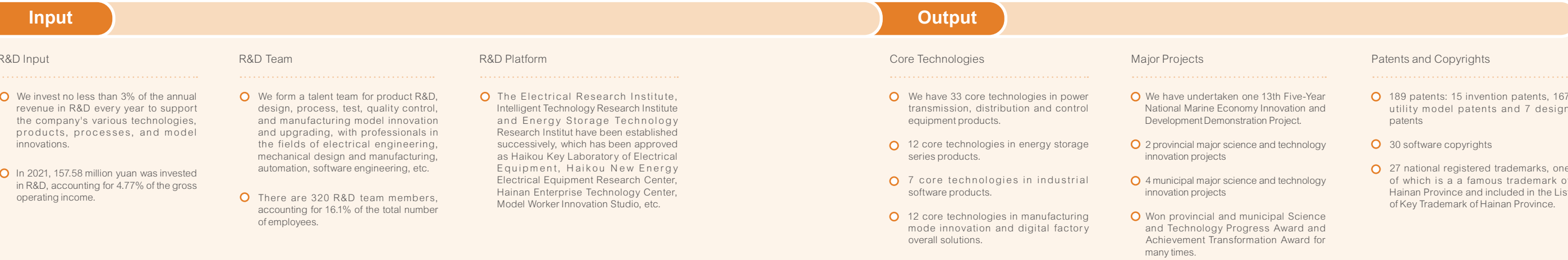


Innovation-driven Development

We take innovation as the inexhaustible impetus of our development, and always emphasize the importance of technology research and development to our business development. We persevere in scientific and technological management and production mode innovation, and are committed to becoming a leader in digital and intelligent manufacturing, so as to serve the economic and social development with outstanding technical level.

Leading Technological Level

Every year, we invest heavily in the R&D of new technologies, new products, new processes, informatization and digitalization, and set up a professional and experienced R&D team. To encourage employees to actively innovate, we have established innovation incentive system , which motivates employees to improve product quality and production efficiency and reduce cost. In 2021, a total of 733 innovation projects were declared and awarded in the company.



Transformation and application of achievements

In 2021, we continued our investment in research and development, achieved technical progress and product upgrading, and successfully applied the newly developed and improved products and technologies to large projects at home and abroad.

Digital high-efficiency energy-saving dry-type transformer

We have developed and promoted dry-type transformers used in new energy industries such as nuclear power, wind power, photovoltaics, pumped storage, to support the "peak carbon dioxide emissions, carbon neutrality" policy and promote the construction of a new power system with clean, low-carbon, safe and efficient energy system as the main body.



Energy storage series products

As an important component and key support technology for building energy systems with a high proportion of renewable energy, smart grids and energy Internet, energy storage series products can greatly improve the transmission capacity of renewable energy such as wind energy and light energy, and support distributed power and micro grid. They can provide a variety of services such as peak regulation, frequency modulation, standby, black start, demand response support for power grid operation, improve the flexibility, economy and security of traditional power system, realize multi-energy collaboration and build energy Internet.



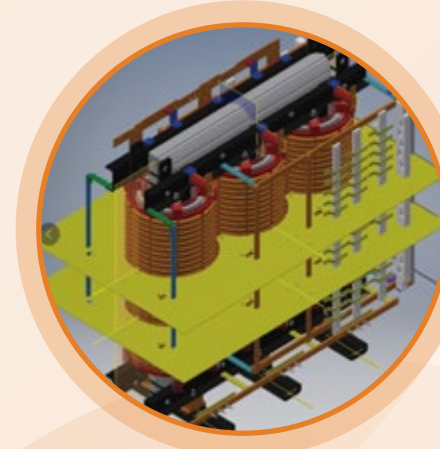
C5 grade marine and offshore supporting products

We have developed the material system and anti-corrosion process for the high salt mist grade (C5) of offshore wind power to meet the needs of offshore wind power projects that are gradually developed with large capacity.



3D rolled core type phase-shifting rectifier transformer

Under the background of the national energy conservation and emission reduction policy, we have developed the 3D energy-saving rolled core type phase-shifting rectifier transformer with low loss and low noise, which can meet the higher requirements and more strict cost control of the market for transformers.



Data center supporting phase-shifting transformer project

We have developed the phase-shifting transformer for Panama power system and made innovation by integrating the circuit with the magnetic circuit. The medium voltage 10KV AC is directly converted into 240V DC. The phase-shifting transformer replaces many intermediate devices between medium voltage input and DC output in the traditional architecture, making the power supply transmission more efficient and reliable, and saving 40% of the equipment and engineering construction and 50% of the land area.

Maximum capacity phase-shifting rectifier transformer

We have developed 23MVA phase-shifting rectifier transformer, which is the current largest capacity dip dry-type transformer in the industry. The project opens a new upper layer space in the dip dry-type transformer industry, and sets a benchmark for the production and manufacturing of ultra-large capacity dry-type transformer for frequency control.





Transformation of innovative achievements - Digital high-efficiency and energy-saving dry-type transformer product development and industrialization

In order to improve the energy efficiency of distribution transformers and promote the development of digital industry, and to meet the needs of enterprises transformation and upgrading, we initiate the research and development project of high-efficiency and energy-saving transformers. By researching and developing high-efficiency and energy-saving transformer series products, constructing product development simulation systems and product core process production lines, designing and developing digital dry-type transformer schemes, we have greatly reduced the transformer no-load loss and load loss, to ensure that the loss values of the products comply with the new energy efficiency standards, and product performance is further improved.

This digital high-efficiency and energy-saving dry-type transformer promotes the industrial upgrading of dry-type transformers, and transformation of existing manufacturing industry into intelligent, green and service-oriented industry, and also advances the green development of the society. With the Research and Development and Industrialization of Digital, High-efficiency and Energy-saving Dry-type Transformer Products as the subject, we have successfully applied for the Major Science and Technology Projects of Haikou in 2021.



Relevant SDGs

- After the implementation of the project, a total of **1,500MVA** high-efficiency energy-saving transformers will be put into the market within three years to replace, which can save about **10 MILLION KWH** of electricity for users every year and reduce carbon emission by **1,200 TONS** of standard coal.

Intellectual Property Protection

We attach great importance to the protection of intellectual property rights, and strictly abide by the Patent Law of the People's Republic of China, Opinions on Strengthening the Protection of Intellectual Property, and other regulations and policies. We have formulated the Provisions on Intellectual Property Management, to standardize the application and approval for intellectual property rights, and have initiated the patent navigation projects to improve the overall level of intellectual property.

Intellectual property management system

Jinpan Technology has formulated Provisions on Intellectual Property Management and revises it year by year according to management changes and needs, so as to standardize the management of intellectual property of the company and continuously improve the protection of intellectual property.

Standardize the application and approval process of intellectual property rights

On the basis of the Provisions on Intellectual Property Management, we have established the OA application process for intellectual property rights of Jinpan Technology to standardize the app lication and approval process of intellectual property, and avoid the negative impact of patent application without approval.

Initiate the patent navigation projects

Through patent navigation with dry-type transformer as the theme, Jinpan Technology explores patent development strategy, and seeks protection barriers for the company's intellectual property rights. Internally, it explores and analyzes patent points, and externally, it avoids the risk of intellectual property infringement, so as to improve the company's patent analysis level and the overall quality of intellectual property, optimize enterprise patent layout, enhance intellectual property attack and defense system, and enhance enterprise competitiveness.

Safety Production

Security is the lifeline of an enterprise, the foundation and prerequisite of its development. We adhere to the concept of safety development, establish a sound safety management system, continue to improve and optimize the safety management system and preventive measures, constantly foster safety culture through training, publicity, drill, etc., create a stable and safe production environment for employees, and firmly guard the bottom line of safety production.

Strengthen Safety Management

We strictly follow the safety standards of"compliance with rules and regulations, eliminate hidden dangers, prevent accidents" , earnestly implement the entity responsibility of enterprise safety production, establish a sound safety management system, formulate and constantly improve the safety management system and operating procedures.

Safety Management System

We operate a top-down safety management system combined with hardware and software. The Environmental Safety Manual clearly defines the safety responsibilities of employees at all levels, to ensure that duties are clear, measures are in place, and responsibility arrives person.

- Fully responsible for the establishment and improvement of company safety production responsibility system
- Organize the formulation and implementation of safety production education and training plans of the unit
 - Arrange the work of the production line
- Supervise and inspect the company's production safety work, eliminate production safety accidents in time
 - Manage production team members



Safety management system and operating procedures

In order to effectively ensure the safety of employees and related parties in the production process, we have formulated 39 safety and civilized production management systems: Regulations on the Management of Equipping and Wearing of Labor Protection Articles, Assessment Standards for Safety and Environmental Accidents, Hazardous Chemicals Safety Management System, Occupational Disease Prevention Management System, Hazardous Operation Approval System, etc.; and 50 safety operating regulations.

Improve Safety Guarantee

We actively improve the safety production guarantee measures, and actively and continuously improve the production safety guarantee capability with scientific and technological means while doing a good job in the production process control and improving the all-round safety facilities configuration of the workshop.

Production process control



Regular safety visits, regular investigation and management of hidden dangers, prohibit illegal operations. In the process of investigation, if the production team finds the hidden danger of safety production accident, it shall immediately report in writing to the Equipment Engineering Department, and all departments shall take measures to eliminate the hidden danger as soon as possible. After the verification of the production team, the handling information shall be filed by the Equipment Engineering Department.

All-round safety facilities configuration in the workshop



Each workshop is equipped with fire equipment as required, and regularly checks and updates them. The layout of the workshop meets the requirements of fire prevention, flammable and explosive products are properly stored, fire hydrants are kept unblocked, and fire extinguishers are placed for easy access. Each team is equipped with appropriate labor protection products as required, and uses them correctly in strict accordance with the requirements to achieve effective protection.



Safety production investment

6.1082 million yuan

Safety production accident

0 Case

Work-related deaths in the last three years

0 Person

Days of work lost due to injury

0 Day

In 2021, Jinpan Technology has made 23 safety visits, and accepted inspection at all levels. A total of 36 hidden dangers and 36 safety problems have been investigated and rectified. There was no human casualty accident and equipment accident in the whole year.

[Jinpan SDGs
Footprint]

Digitalization boosts safety production



Relevant SDGs

Jinpan technology actively uses digital means to eliminate potential safety hazards, thus ensuring safety production.

- With intelligent fire safety system the digital factory realizes remote fire control, automatic alarming, automatic sprinkling, fire extinguishing and other functions.
- Production area realizes face recognition and authority control, and effectively controls the activity range of unauthorized personnel.
- All mobile equipment and facilities are equipped with radar sensors and anti-contact strips to prevent accidents.
- Linkage anti-lock is equipped in the test area for power supply. In the process of power supply, if the channel is opened unexpectedly, linkage power outage will be set to prevent accidents.
- Production line is equipped with intelligent special machine production equipment. The basic application of AI realizes the essential safety of early and multiple prevention, including coil turnover tables, automatic iron core turnover tables, AGV logistics systems and RGV collection and delivery systems such as assembly, iron core and pouring. Through the automatic operation of the equipment, the potential safety hazards of manual operation are reduced.

Foster Safety Culture

Safety production training

2164 Person-time

Safety production training

4300 Hour

Emergency drills

11 Times

Good safety culture is conducive to improving the safety awareness and alertness of employees. We take various measures, implement safety culture activities, regularly carry out safety culture promotion, and create a strong safety culture atmosphere in the company, to help employees firmly foster awareness of safety, and improve the safety operation ability and safety literacy.

We develop EHS policy, organize training and publicity for all employees, firmly foster awareness of safety development, strengthen the awareness of safety; establish employee safety WeChat group, keep information exchange channels unblocked; hold daily morning meeting and monthly safety meeting, strictly implement safety responsibility; carry out regular safety drills to effectively improve the safety awareness and professional technical level of project personnel, and improve the quality of all employees in safety production.



Daily morning meeting

Green Development

Better Ecology

Jinpan's Viewpoint

In the process of enterprise development, we always uphold the green business philosophy that development should not be at the expense of the environment. By introducing scientific management mode, improving energy utilization and monitoring, using advanced equipment, reducing pollution emission and improving company product efficiency methods, we aim to minimize the possible impact on the environment in the process of production and operation, actively respond to the national call for "peak carbon dioxide emissions, carbon neutrality" policy , and constantly seek the path of low-carbon development of enterprises, making contributions to the sustainable development of China.



Environmental Management

We adhere to the business philosophy of green development. While strictly abiding by the Environmental Protection Law and other laws and regulations. We continue to establish and improve the environmental management structure and system to ensure that the company develops towards green and environmental protection.

Policy System

We have established a sound environment, health and safety management system according to the national laws and regulations, formulated a total of 39 management systems and assessment methods such as Energy Management Control Procedure, Water Pollution Prevention and Control Procedure, Atmospheric Pollution Prevention and Control Procedure, Noise and Vibration Pollution Prevention and Control Procedure, Solid Waste Pollution Prevention and Control Procedure, to comprehensively improve the company's environmental protection management system and capability from aspects of production, operation and transportation.

Management System

The company and its subsidiaries have passed ISO 14001:2015 Environmental Management System Certification, ISO 45001:2018 Occupational Health and Safety Management System Certification, to ensure that the environmental management work is carried out in an orderly manner.

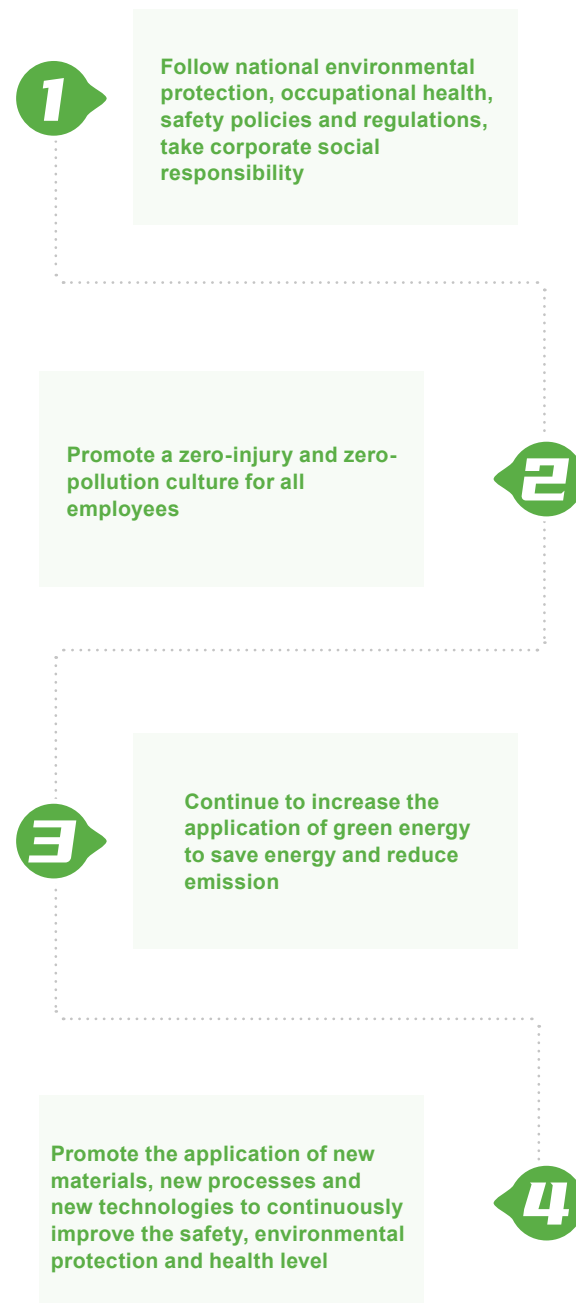
EHS Architecture

We have developed the EHS Environmental Health and Safety Policy, and organized training and publicity for all employees. We have established an EHS management architecture, with the general manager as the responsible person, and allocated EHS specialists in each base. Regular EHS meetings are held every week to report the operation of EHS management system in each base.

Emergency Plan

We have formulated environmental emergency plan, and put it on record in Haikou Longhua District Ecology and Environment Bureau (Record No. : 460106-2018-032-L) to ensure timely disposal of environmental problems and curb the expansion of environmental impact.

EHS Policy



[Jinpan SDGs
Footprint]

Introduce EHS management mode, all employees implement the concept of environmental protection

In the exploration of enterprise development management, we actively learn from excellent international enterprises. Based on the company's development needs, we have established EHS safety and environmental management system, so as to achieve "continuously improving the application of green energy, achieving energy conservation and emission reduction, zero-injury and zero-pollution", according to ISO 14001 and ISO 45001 standard requirements. We have formulated clear organizational system and targeted implementation strategies according to the company's management, organization and implementation.



Relevant SDGs



Green Production

Environmental protection investment

5.59 million yuan

Comprehensive energy consumption of ten thousand yuan output value

0.01 tons of standard coal/ten thousand yuan

Electricity

30,185 MWh

Gasoline

37 Ton

Natural gas

620 thousand cubic meters

Diesel

35 Ton

Total carbon dioxide emissions

16,415.4 Ton

Direct greenhouse gas emissions (category 1)

1,918.7 Ton

Indirect greenhouse gas emissions (category 2)

14,496.7 Ton

By integrating the concept of green development into every link of the company's development and operation, and adopting various measures of energy conservation and emission reduction, such as energy use and equipment optimization, we actively tackle risks and opportunities which are brought to the company by climate changes and answer national call for “peak carbon dioxide emissions, carbon neutrality” policy and the Sustainable Development Goals of the United Nations.

Tackle Climate Change

To reduce energy consumption and carbon emissions is key to climate change mitigation. By summarizing the past work experience, we deeply tap the energy conservation and emission reduction potential of the company, apply management and technical means to comprehensively reduce energy consumption and greenhouse gas emissions at all levels of operation, and strive to fulfill the commitment of energy conservation and emission reduction and curb climate change. In 2021, comprehensive energy consumption of ten thousand yuan output value was 0.01 ton of standard coal/ten thousand yuan, which is in the industry's advanced level.



Energy saving management

Through energy statistics, energy monitoring, energy analysis, energy planning, key energy consumption equipment management, energy metering equipment management and other means, we fully and accurately grasp the energy cost ratio and development trend of the company, divide the energy consumption planning tasks to each department, and clarify the energy saving work responsibility, thus promoting the healthy and stable development of the enterprise.



Photovoltaic power generation

While adhering to the business philosophy of “integrity and green development”, and making rational use of sunshine duration, we invested in and built digital factory rooftop distributed photovoltaic power stations which are successfully connected to the grid realized the green supply of self-use electric energy, and truly achieved “producing green products with green energy”. By 2021, over 9.5 megawatt of rooftop photovoltaic power stations have been built in factories in Haikou, Wuhan, Guilin, Shanghai and other cities, which generate 5,396.17 megawatt hour of electricity, save 663 tons of standard coal and reduce 2,997 tons of carbon dioxide every year.



[Jinpan SDGs Footprint]

Hainan Factory Energy Management System

With the convening of the UN Climate Change Conference in Paris, the President Xi's speech at the Two Sessions, “peak carbon dioxide emissions, carbon neutrality” policy has gradually become the topic of all walks of life. In response to the national “peak carbon dioxide emissions, carbon neutrality” call, by relying on the construction of the digital plant, with the Hainan factory as a demonstration base, we actively promote the construction of energy management system. At this stage, the Digital Energy Management system of Jinpan Smart Technology Haikou Base mainly covers the production workshop, distribution room and office area of the digital factory. We have achieved the goal of full coverage of the system in production and office areas of Hainan Base, greatly improved the ability of energy efficiency management of Hainan base, and assisted the company to achieve the “peak carbon dioxide emissions, carbon neutrality” goals.



Relevant SDGs

Real-time energy consumption monitoring with digital transformation

Technicians upload the energy consumption data of each area to the system platform through wired network or 5G technology with corresponding configuration. At the same time, all energy consumption data are managed and analyzed in one system, in order to realize the digital management of energy used in Jinpan Smart Technology Haikou Base.

Achieve objective energy audit and evaluation

The system objectively inspects the energy use efficiency, consumption level, economic effect and energy management level of each production workshop in Haikou Base, makes a quantitative analysis of the energy utilization status, and carries out auditing, monitoring, diagnosis and evaluation of energy use efficiency, consumption level, energy economic and environmental effects, to explore the potential of energy conservation in each production workshop of Haikou base; At the same time, for the realization of the “peak carbon dioxide emissions, carbon neutrality” goals, it also puts forward targeted solutions and guidelines.

Environmental value creation

In 2021, through systematic and comprehensive implementation of the energy management system, we analyzed and diagnosed the energy conservation of the main energy-using equipment and facilities and main energy, transformed energy saving technology, and formulated and implemented corresponding energy saving policy, so that the company's energy used was reduced by 38.3% compared with that of 2020, reducing greenhouse gas emissions and fulfilling economic, social and environmental responsibilities of the company.



Energy efficiency management system interface

Pollution Control

Industrial wastewater
treatment rate

100%

Rolled steel usage amount

59,858 Ton

General waste emissions

1,110 Ton

General waste emission
treatment rate

100%

Hazardous waste emissions

112 Ton

Hazardous waste emission
treatment rate

100%

Water consumption

213,931 Ton

Water consumption per ten
thousand yuan

0.48 Ton/ten
thousand yuan

We strictly follow the national and regional environmental standards, implement the idea "environmental protection is a part of production", improve hardware capabilities, and strengthen pollution control. At the same time, we organize monitoring and information disclosure for the pollutant emissions, and develop monitoring schemes, to comprehensively reduce negative effects on the environment in the process of production. In 2021, the company's pollutant emissions met national and regional emissions requirements, and there was no environmental pollution and malignant environmental complaints in the year.



We strictly implement requirements of environmental assessment standards for industrial wastewater discharge, upgrade and replace sewage treatment system, run wastewater treatment equipment, treat and then recycle industrial wastewater produced in the production process by coagulation sedimentation +MCR+ activated carbon adsorption process, and further consolidate and improve the zero discharge of industrial wastewater.



We strictly standardize the discharge and treatment of pollution gases in the production process, for example using cyclone spray tower +UV photolysis + activated carbon adsorption integrated treatment process for exhaust gas of the casting furnace and curing furnace, dust hood + wet rotating-flow tower + fan treatment for coil grinding process, cyclone spray tower +UV photolysis + activated carbon adsorption integrated treatment process for exhaust gas of iron core spray room, to ensure that gas emissions meet compliance standards.



Solid Waste Pollution Control Procedure, Hazardous Chemical Management Control Procedure and other systems have been formulated to regulate the generation and disposal of polluted waste. Waste minerals, paint, emulsion and other hazardous wastes generated in the production process have been properly disposed of by enterprises with relevant qualifications.



We have formulated *Product Recycling Management* to standardize product recycling process. Upon customers' request for recycling products, we will determine the recycling and disposal plan which complies with the requirements of environmental protection and recycling, to ensure that the recycled products meet our technical requirements and relevant legal provisions.



[Jinpan SDGs
Footprint]

Make innovations on water treatment system to
implement zero discharge of sewage from factories

Manufacturing enterprises have been consuming large amounts of water. According to statistics, the industrial water consumption of Jinpan Technology is up to 300,000 tons every year, which not only increases the operating cost of the company, but also causes a huge waste of resources. "If the waste water can be recycled, it will undoubtedly be a great fortune for the enterprise". With this in mind, the company began to seek feasible solutions to improve the waste water reuse, after comparative studies,finally chose to introduce advanced sewage treatment system. Industrial wastewater can be directly used through chemical treatment, biological treatment, filtration and other processes, so as to achieve zero discharge of industrial sewage. By the end of 2021, the daily industrial wastewater treatment capacity of the company's sewage treatment system has reached 7 tons, which thoroughly solves the company's wastewater pollution problem, greatly increases the available water resources, and gives greater play to the role of water resources.



Relevant SDGs



Industrial sewage treatment system

Building Green Factory

In 2021, Jinpan Technology Haikou Digital Factory was built. The application of an intensive land use plan and green energy--rooftop photovoltaic power generation system and rainwater, sewage recovery and recycling system, fully reflects "green, intelligent" concept, realizing environmental protection and intelligence of infrastructures..

Jinpan Technology Guilin Subsidiary was successfully selected into the third batch of "**NATIONAL GREEN FACTORIES**" list of Ministry of Industry and Information Technology.

Green Office

We actively promote the concept of environmental awareness in the company, advocate the new mode of green office, formulate relevant staff office behavior management regulations for energy management, and make clear requirements on the air conditioning degree and power consumption control of the office; security guards patrol the office area after work to check the energy use again, so as to reduce energy loss and electricity consumption; the office area of the factory is equipped with intelligent sensor lighting equipment to realize the automatic booting and shutdown of lighting equipment, saving the power consumption of unattended hours.



Green intelligent factory, lead green development



Green design

The core principle of our design is to minimize the consumption of energy and resources, reduce the damage to the environment, and use new technologies and materials that are beneficial to improving work quality whenever possible. By selecting reasonable sites, we protect the original local ecosystem as far as possible to reduce the impact on the surrounding environment; we choose renewable resources and natural energy such as solar and wind energy to reduce the consumption of resources and energy; we introduce ecological technology into the design process of the factory sewage system to realize the harmless, resource-based, recycling treatment of waste, so as to create an efficient and green digital factory.



Green construction

During construction, we collect the rain water to reduce dust on the construction site boundaries, adopt heat insulation and noise reduction material for the exterior wall and glass curtain of the factory to effectively reduce noise transmission and energy loss, and take a series of measures to achieve environmental protection, energy conservation and utilization, material saving and material resource utilization, water saving and water resource utilization, land conservation and land resource protection.



Green system

Industrial wastewater recycle system: The digital factory is equipped with integrated membrane sewage treatment and reuse system. Through five processes of coagulation sedimentation, MCR filtering, activated carbon adsorption, sludge treatment, and reuse of water, we achieve industrial wastewater treatment and recycling, and zero discharge of industrial wastewater.

Photovoltaic rooftop system: The company invests in the construction of distributed rooftop photovoltaic power stations in digital factory to improve the green power ratio, and adopts the mode of "generate power for our own use, and connect surplus power to the grid" to reduce carbon emissions.

Collaboration Between Enterprise and the Public

More Balanced Development

Jinpan's Viewpoint

For Jinpan Technology, sustainable development means building a harmonious and beautiful society, and striving to create maximum comprehensive value for stakeholders while achieving our own development. As a company with social responsibility, we are committed to building a guaranteed and warm workplace for our employees which allows them to grow; creating a fairer and more transparent business platform for our partners; creating harmonious and friendly atmosphere for the community, exploiting our advantages to participate in rural revitalization, continuing to convey warmth and care to the society, and promoting the harmonious development of society.



Happy Workplace

Total number of in-service employees

1,983 Person

Per capita paid vacation days

6 Day

Labor contract signing rate

100 %

Social insurance coverage

100 %

2021 new employees

206 Person

Proportion of women in middle management and above

40 %

High-skilled talent ratio

8.5 %

We take the interests and growth of every employee seriously, and provide employees with competitive compensation and benefits in the industry while ensuring their basic rights and interests. We organize abundant leisure-time activities, and create harmonious and healthy working environment, to ensure that the employees grow and develop together with the enterprise.

Employees

■ Number of female employees ■ Number of full-time employees ■ Number of employees in mainland China
■ Number of male employees ■ Number of part-time employees ■ Number of overseas employees

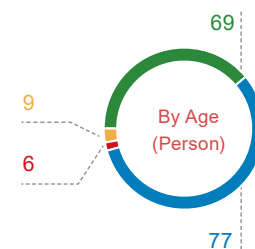


■ Number of employees with Post-graduate degree or above ■ Number of employees over 50 years old
■ Number of employees with bachelor degree ■ Number of employees between 40-49 years old
■ Number of employees with college degree ■ Number of employees between 30-39 years old
■ Number of employees with high school degree and below ■ Number of employees under 30 years old



Employee Turnover Rate

■ Number of employees over 50 years old
■ Number of employees between 40-49 years old
■ Number of employees between 30-39 years old
■ Number of employees under 30 years old



■ Number of female employees ■ Number of employees in mainland China
■ Number of male employees ■ Number of overseas employees



Employee Rights Protection

While abiding by the laws and regulations such as the Labor Law of the People's Republic of China, we have formulated the Personnel Management System and Staff Non-discrimination Regulations and other rules and regulations of enterprise human resources, to create a diversified fair employment environment. We continue to improve the company's salary and welfare system, create an open and democratic communication environment, and ensure that the rights of each employee are effectively guaranteed.

Fair and diversified recruitment

We uphold the all-inclusive talent concept, and are committed to creating a diversified and equal career platform. In terms of recruitment channels, we extensively attract talents through social recruitment, campus recruitment and internal competition; in terms of talent selection, we have introduced external professional personality assessment for marketing management trainees, and set written examination questions for internal key positions, so as to achieve targeted talent selection. In 2021, a total of 206 regular employees were recruited, including 184 social recruits and 22 on-campus recruits.

Prohibiting child labor and forced labor

We strictly abide by the relevant national laws and regulations, and will, by no means, employ children under the age of 16, or underage worker aged between 16 to 18 years of age in principle; during the recruitment, the HR Department will organize relevant personnel to conduct a comprehensive investigation, assessment and interview, and select the best. The personnel will communicate with the applicants in detail when arranging the jobs, and put an end to the job arrangement against the will of the employees.

Competitive compensation and benefits

We have formulated and implemented performance and benefits management systems, continuously improved the performance-related pay management system, and established a salary management system based on the three values of personal value, post value and contribution value. We cooperated with external agency to carry out salary survey to ensure that the company's salary level remains at 50 points. In the meantime, in order to improve the working enthusiasm of employees, we have formulated the Business Management Target Incentive System of Business Divisions, Employee Promotion and Pay Increase Incentive System, and set floating performance bonus, as well as performance-based job adjustment and salary increase standards, to improve the wage and welfare of employees with excellent performance.

Employee participation and communication

We build a bridge of communication between employees and the management, fully guarantee employees' right to know, participate, express and supervise. We hold workers and employees' congress and management review meetings every year, to fully collect proposals and suggestions from grassroots employees' representatives; we set up a rationalization proposal working group, as thus, employees can put forward rationalization proposals through email, WeChat, suggestion box and other ways to the company, and the working group will promote, use and award the valuable and practical rationalization proposals after collection and evaluation. In 2021, the company has collected and awarded 733 rationalization proposals.

Employee Training and Development

Employee training coverage

100 %

Senior management training ratio

100 %

Middle management training

100 %

Grassroots employee training ratio

100 %

Female employee training ratio

100 %

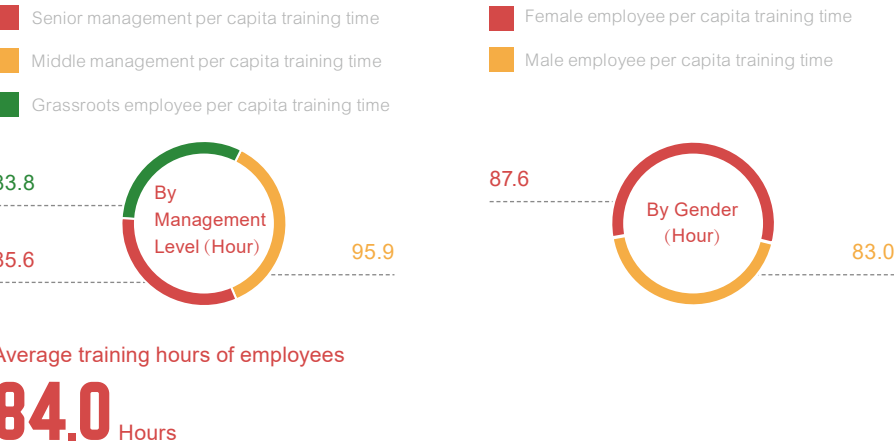
Male employee training ratio

100 %

The growth and development of employees are vital to enhancing the enterprise competitiveness. We have built a multi-channel and multi-level training system and clear and diversified career development channels for employees to promote their ability and help them realize their self-fulfilment.

Employee competency training

We have established a sound training management system, established and improved 14 training management regulations and procedures based on the company-level, department-level, and internal department-level training mode to ensure the effective implementation of four steps, identifying training needs, making training plans, implementing training and evaluating training outcomes. Meanwhile, according to the training needs of employees of different types and positions, we have developed various forms of training courses to help each employee improve their ability and realize the common growth of the enterprise and employees.

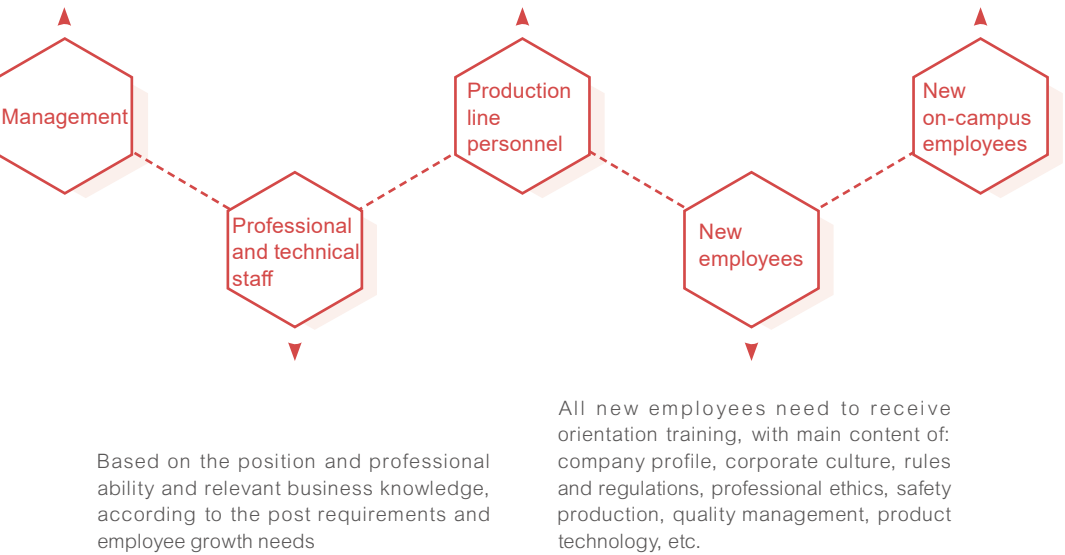


Professional Ability Training

Based on ideological quality, management ability, leadership and executive ability, operation and production knowledge and professional knowledge related to the position. Organize implementation according to management level and professional requirements

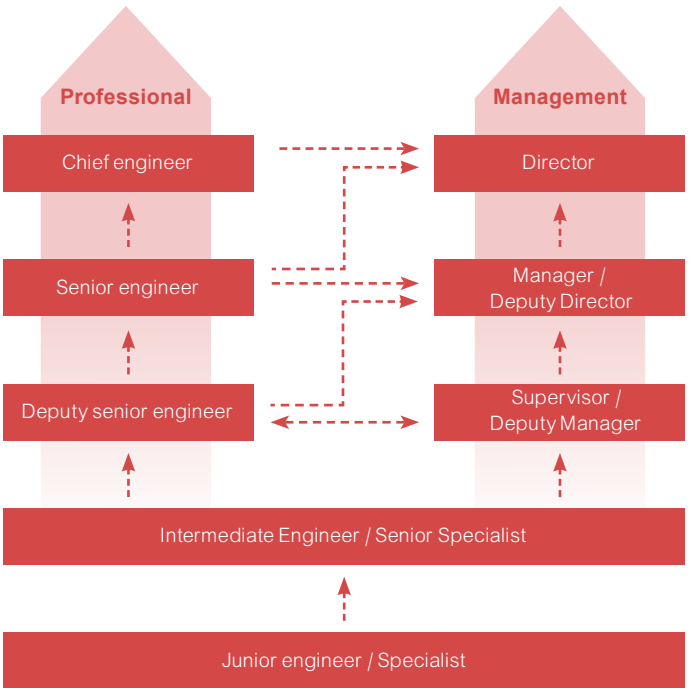
Based on the knowledge of the position (profession)

Three-month workshop training will be arranged for new on-campus employees, who will experience the on-site operation environment and production process, understand the operation of relevant positions through production learning, and will be assigned with the position after passing the assessment. Each department is responsible for formulating and implementing professional training programs for their new employees, and designating specific instructors for them.



Employee Career Development

We provide a variety of career development channels for every employee, to broaden the employee development path, and provide a variety of choices for them. In order to meet the diversified development needs of employees in 2021, the company has formulated and established a "qualification system". Based on the ability development of employees, the system establishes career development channels, which are divided into management channel and professional channel. At the same time, career development paths are established, which divides employees' abilities into five grades from elementary to chief. Corresponding qualification standards are established for different grades, which clarifies the skills and quality requirements of different positions for different ability stages, providing model and direction for employees' career development. Through the certification of the qualification level, employees are encouraged to pursue a higher level, laying a foundation for their career development.



Scientific training process





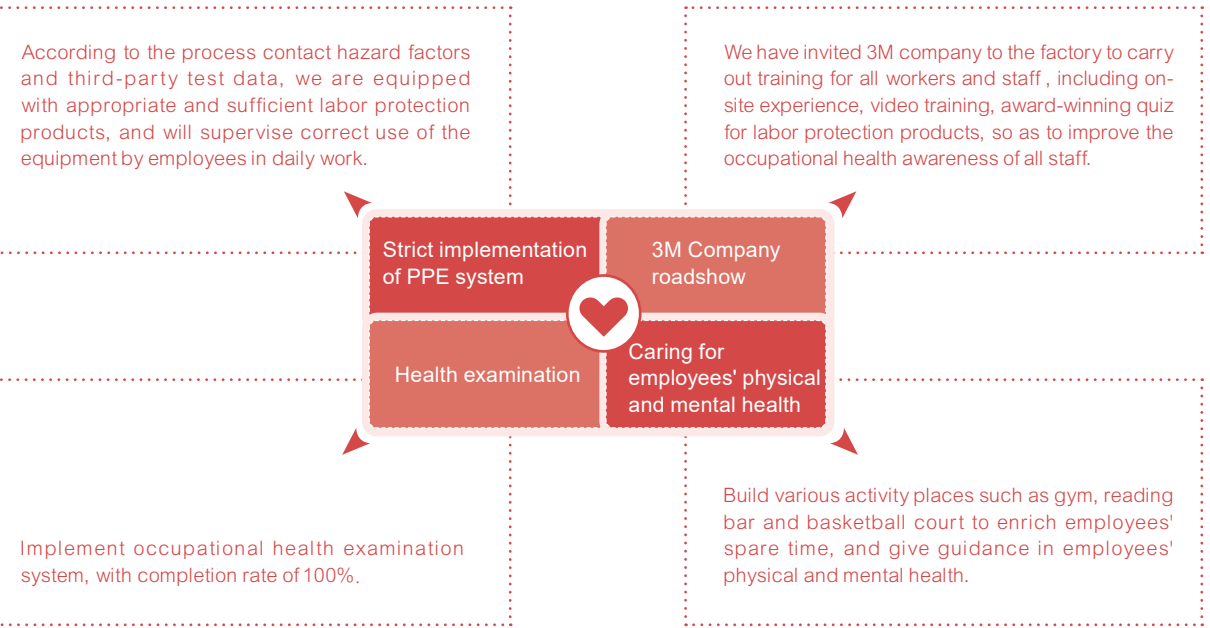
Occupational health and safety roadshow tour

Employee Care

We not only pay attention to the growth of employees, but also care about their happiness experience and occupational health, actively providing help for disadvantaged employees, female employees and other vulnerable groups. We organize rich variety of events to balance employees' work and life, so that more employees can have a sense of belonging, happiness and gain.

Concern about Occupational Health

We attach great importance to the physical and mental health of every employee, strictly abide by the Labor Law, Law on Prevention and Control of Occupational Disease and other laws and regulations. We have established a responsibility system covering occupational disease prevention and control, to strengthen the occupational health control of employees, and create a safe working environment.



Enrich the Life of Employees

We hold various sports activities such as fun competition outreach, work-break exercises, and grant sponsorship money for the company's Sports Association to encourage employees to strengthen physical exercise; hold the network cloud annual meeting, Party building group activities, garden activities and other recreational activities, to enrich the staff's spare time.

Care for staff

Care for the frontline staff, staff in need, female staff and other groups.

Work-break exercises

Hainan Base - Spring Festival Cloud Annual Meeting activities

Care for female employees, distribute Women's Day gifts

Grant sponsorship money to the Sports Association

Hainan Base - Staff competition outreach activities

Win-win Cooperation

Good cooperative partnership is an important cornerstone for the long-term development of enterprises. We perseverely innovate business models, actively build a transparent, open and win-win cooperation platform, continue to carry out diversified exchange activities and explore cooperation opportunities with the government, upstream and downstream partners of the supply chain, peer enterprises and customers, to achieve mutual benefit and win-win result.

Supplier Management

Adhering to the principle of openness, fairness and justice, we implement a transparent and digital supplier procurement mechanism. We have launched SRM system management to comprehensively standardize sourcing, inquiry, bidding control and procurement contract signing process, through open sourcing , price negotiating, bidding, contract signing and releasing based on the whole platform, improving the transparency of procurement. On these grounds, we have established a group of high-quality suppliers with long-term stable cooperative relations, and eliminate any activities that damage business partners.

We have signed the Integrity Agreement with all suppliers, which clearly stipulates the procurement anti-corruption issues and moral standards, and checked the main principals, shareholders, directors and other personnel of suppliers, to ensure that no company employee or employee associated person is employed by the suppliers. We are committed to building a clean industry ecosystem and jointly building a transparent business environment. In addition, we attach great importance to the moral hazard involved in the relationship between procurement staff and suppliers, and strive to reduce the integrity risk in the procurement process by implementing work shift system of key posts.

Name of Indicator	Unit	Year 2021
Total number of suppliers	Piece	555
Number of suppliers southern China	Piece	191
Number of suppliers in central China	Piece	47
Number of suppliers in northern China	Piece	21
Number of suppliers in eastern China	Piece	253
Number of suppliers in northwest China	Piece	12
Number of suppliers in southwest China	Piece	12
Number of suppliers in northeast China	Piece	19



[Jinpan SDGs
Footprint]

Build a more sustainable supply chain ecosystem



Signing and opening ceremony of the Joint Laboratory

Sustainable supply chain system is the cornerstone to ensure long-term development of enterprises and provision of high quality products and services for customers. We have formulated the External Provision Process, Products and Service Management System, Supplier Development and Review Process and other management systems, and established the control mechanism of the whole process from supplier access, supervision and evaluation, and withdrawal. By relying on the sustainable development elements, we provide systematic management and professional support for suppliers, improve the sustainable development capability of supply chain, and strive to build a sustainable and responsible supply system.



Access stage

When new suppliers are admitted, they are required to sign the Supplier Code of Conduct for Social Responsibility, which standardizes the requirements for suppliers in aspects such as environment protection, social responsibility and labor protection.



Audit stage

During the supplier access audit and annual audit, the supplier is required to have basic qualification of ISO 9001 /ISO 14001 / ISO 18001 system documents and within the validity period; in addition, the EHS Department, as a key department, is required to score the environmental, safety and health aspects of the supplier. This evaluation is requisite. If the evaluation fails, the supplier will not pass the probation review or the annual audit



Recruitment stage

In the selection process of supplier classification every year, extra points for green and environmental production are added as the excellent supplier rating standard in addition to quality management, delivery management, competitiveness, service and response speed and technical ability and other necessary qualifications.



Supplier coaching

We organize special equipment operation training and obtain evidence for all packaging labor outsourcing companies, and request that only the outsourcing personnel who have obtained the special equipment operation certificate can operate corresponding equipment in practical business, so as to protect the safety of the employees of the suppliers. We have issued relevant regulations which stimulate that transportation suppliers shall be equipped with labor protection products in accordance with the provisions during operation, so as to help the suppliers make corresponding specifications and protect the safety of employees.

5

suppliers failed to pass the
evaluation of EHS Department



Relevant SDGS

Promote Cooperation and Communication

We take the initiative to exchange with relevant enterprises, industry organizations and institutions at home and abroad, constantly expand the scope of cooperation, and create more value and results with partners by complementing advantages and sharing resource between enterprises, to achieve coordinated development and mutual benefit.



Industry Communication

The Symposium on Engineering & Technology of Floating Offshore Wind Power

On April 10, The Symposium on Engineering & Technology of Floating Offshore Wind Power prepared by Jinpan Technology was held in Haikou · YATTER International Convention Center. Under the guidance of "peak carbon dioxide emissions" and "carbon neutrality" goals, this Symposium brought together cutting-edge scientific research and engineering experts to explore the development path of floating offshore wind power industry, with the purpose of accelerating the innovation and progress of engineering technology and solving the problem of industry development.



The 4th China International PV Industry Summit Forum

In 2021, the 4th China International PV Industry Summit Forum was held in Chengdu from September 9 to September 10, which attracted guests from the photovoltaic industry, government, enterprises, universities, and research institutions, who discuss the development environment of photovoltaic industry and jointly explore the new fields of photovoltaic development. Jinpan Technology attended the Forum as the sponsor, and its exhibition hall was set up in the venue to show the power of Jinpan's new energy and share the company's experience in the development of new energy to the guests.



The 23rd China Hi-tech Fair

On December 27, the 23rd China Hi-tech Fair was held in the Shenzhen Convention and Exhibition Center. China Hi-tech Fair is the largest and most influential scientific and technological exhibition in China, known as the "First Science and Technology Exhibition in China". The company was invited to the Fair by Hainan Provincial Department of Commerce as a high-tech enterprise in Hainan, and showed its latest high-tech progress there.



Customer Cooperation

Visits and investigation activities of key customers

In 2021, we actively received nearly 500 units and universities from across the country, such as Goldwind Technology, China Railway Electrification Engineering Group, Sany Heavy Energy, Inner Mongolia Tongwei Silicon, Sichuan Yongxiang, New energy, China Southern Power Grid, Sungrow, Beijing Tianqi Hongyuan, CGN, Dongfang Electric, CSIC 719 Research Institute, carried out a series of activities such as visits, investigation, exchanges, design liaison meetings, and fully considered the latest needs of key customers, laying a foundation for further cooperation.



CSIC No. 719 Research Institute visited and inspected the company



ABB Signing and Training & Exchange Meeting

The ABB Signing and Training & Complete Equipment Sales Exchange Meeting was held in Guilin from July 8 to July 9, in which the signing ceremony was conducted, with the aim of further deepening the business of both parties on low voltage distribution cabinets, and showing good state of Jinpan Technology team. Taking this opportunity of signing, both sides will further deepen trust and carry out strategic cooperation in rail traffic, data center and ABB low-voltage switchgear authorization.

Hohhot Metro Company training

On March 30, Hohhot Metro Line 2 project team conducted a 4-day related business training in our Haikou Base, and the company's production process technicians served as training teachers who organized training, teaching and assessment, which has effectively enriched and enhanced the subway transformer related business knowledge of Hohhot Metro project team.



Community Harmony

In response to the national call, we have actively engaged in activities such as rural revitalization and volunteer services, and made regular efforts to fight the epidemic. We build a stable and harmonious social environment with actions, and spread warmth and love to the public with practice.

Warm-hearted Community Benefit and Voluntary Activities

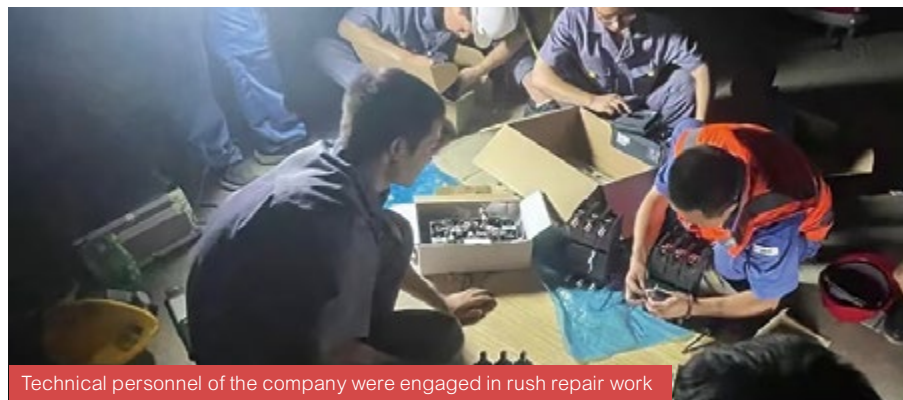
By relying on our professional advantages and resources, we actively carry out all kinds of public benefit and charity activities, and encourage our employees to provide community volunteer service, so as to give back to the society with practical actions.



Zhengzhou Rainstorm, Jinpan donated to overcome difficulties, hold the "communication lifeline"

On July 18, 2021, the rare, sudden and persistent rainstorm arrived in Zhengzhou City, which caused severe flooding in the city. The subway was flooded with water, and there was power failure in the hospital. Zhengzhou was in a mess.

As a key supplier of power equipment, we attaches great importance to the natural disaster, with quick response. The company initiated the service plan of heavy rainfall power protection, actively assisted Zhengzhou Subway reconstruction, allocated equipment and accessories to the scene, coordinated with municipal units in equipment emergency repair, and ensured the immediate resumption of power transmission and operation; it immediately provided 3 dry-type transformers for production buildings of Henan Mobile in Jiaozuo and Xuchang, with the total capacity of 2,650 KVA, to met the on-site electricity demand, which was highly recognized by various units in Henan.



Technical personnel of the company were engaged in rush repair work



Certificate of Honor issued to Jinpan by China Mobile



Partner with Wuhan Institute of Technology to promote the development of "smart manufacturing in China"

As a beneficiary and promoter of national science and technology, we are actively engaged in the cause of education donation. The company donated 5 million yuan for Wuhan Institute of Technology, and established "intelligent production line and equipment engineering technology research center" for strategic cooperation with Wuhan Institute of Technology, with the aim to promote scientific research and transformation of achievements and improve the quality of talent training. At the same time, we also take the signing of the strategic cooperation agreement as an opportunity, and promote the "development of smart manufacturing in China" as the goal, to make new and bigger contributions to the national strategic development.



[Jinpan SDGs Footprint]

Jinpan strength beneath zero epidemic outbreak

In the past two years, in the face of the grim situation of COVID-19, Jinpan Technology attached great importance to the anti-epidemic work of the enterprise, resolutely implemented the national and provincial decisions and deployment on epidemic prevention and control, and prevented the spread of the epidemic inside and outside the company. In order to protect the safety and health of our employees, we have been adhering to the epidemic prevention strategy of high vigilance, swift action and careful deployment, and made every effort to win the protracted battle of epidemic prevention and control.

High vigilance, active action

At the beginning of the outbreak, the company's senior management attached great importance to the epidemic prevention work of the company, and specially set up a group-level emergency response team, consisting of general manager, as commander-in-chief, deputy general manager, as deputy commander-in-chief, and special personnel of other functional departments. Under the deployment of the commander in chief, members of each group started their work quickly and released the 2020 COVID-19 outbreak Emergency Response Plan in the first time, managed trajectory of each employee's travel and health status every day during the Spring Festival and reported them in daily meeting.

Answer the call to fight the epidemic

We actively answered the national call, and organized the emergency response team to prepare a complete set of COVID-19 emergency response management documents, with the content covering the epidemic prevention and control knowledge manual, epidemic prevention supplies, canteen food processing, personnel temperature testing guide, foreign personnel and vehicle management, disinfection guide, mask use, performance assessment, telecommuting, dining management, etc. The emergency response team carried out epidemic prevention publicity and education for each employee by means of slogans, banners and other means to strengthen staff awareness of epidemic prevention and daily epidemic prevention measures, and ensured the safety and health of employees and their families, so that everyone was responsible for epidemic prevention.

Careful deployment for resumption of production and work

In order to fulfill the supply commitment to customers during the epidemic period, Jinpan Technology emergency response team made a plan for the preparation work before the resumption of production and work, and guaranteed the safety of the working environment and the health of employees while ensuring the normal product supply and various business. The deployment involves epidemic prevention and control, epidemic prevention supplies, telecommuting, staff scheduling and other aspects.

By February 2022, the company had invested **320,000** yuan in the procurement of anti-epidemic materials

Purchased **124,000** medical masks

650 kg of ethanol for disinfection

5,000 pairs of disposable gloves for epidemic prevention

150 sets of protective suits

Supporting Rural Revitalization

2021 marks the opening year of the full operation of revitalization strategy. We actively responded to the national call, joined hands with China Telecom to participate in the digital village construction cooperation project in Muli County led by the People's Government of Muli Tibetan Autonomous County, and donated 200,000 yuan in total. We practiced the concept of common prosperity with practical actions, and conveyed the sense of social responsibility of Jinpan people with love.



Jinpan assisted the digital village construction cooperation project of Muli County

On November 10, 2021, Jinpan Technology signed the donation agreement of the digital rural construction project of Muli County, which was the first action of the Jinpan Technology to respond to the national call for rural revitalization after the targeted poverty alleviation activities of previous years. The donation of the rural revitalization construction project was led by China Telecom, and Jinpan Technology and other companies helped improving the quality and efficiency of rural revitalization by constructing the "digital rural construction project of Muli County assisted by China Telecom" and "the remote medical pilot construction project of Muli County assisted by China Telecom" according to the idea of "empowering rural revitalization through informatization", providing solid network information services for accelerating the modernization of agriculture and rural areas. The construction assistance is in line with the company's digital development strategy. In the future, we will assist Muli County to promote the implementation of the project and jointly create a digital rural construction demonstration project.

Prospect of 2022

The year of 2022 is a key year for us to comprehensively transform and upgrade into the digital enterprise and accelerate high-quality development. By adhering to the strategy of “peak carbon dioxide emissions” and “carbon neutral” goals and “digital industrialization, industrial digitalization”, and strategic objectives of new energy and industrial digitalization, we will, on the one hand, take energy storage series products as the core, arrange the digital energy storage factories, comprehensively promote the R&D and manufacturing of all kinds of products while centering on energy storage system, take the lead in pursuing green and low-carbon development, focus on green energy, adhere to green production and practice green development; on the other hand, we will continue to motivate technological innovation in the enterprise, promote the commercial application of digital factory solutions independently developed by the company, empower the high-quality development of manufacturing industry with digitalization, promote the national digital transformation strategy, comprehensively advance the revolution of product quality, production management efficiency and enterprise development power, infuse ESG concept and sustainable development requirements into the enterprise culture, enterprise development strategy and enterprise operation and management, actively respond to global climate change, and build ourselves into a great company for the harmony between humankind and nature.

ESG Key Performance Indicators

ESG KPIs		Unit	2021	
A1.1	The types of emissions and respective emissions data	Particulate matter	kg	585
A1.2	GHG emissions in total and intensity	GHG emissions (Scope 1 and Scope 2)	ton	16,415.4
		GHG emission intensity	ton/10 thousands square meters	533
		Direct GHG emissions (Scope 1)	ton	1,918.7
		Indirect GHG emissions (Scope 2)	ton	14,496.7
A1.3	Total hazardous waste produced and intensity	Total hazardous waste produced	ton	112
		Hazardous waste intensity	ton/10 thousands square meters	4
A1.4	Total non-hazardous waste produced and intensity	Total non-hazardous waste produced	ton	1,110
		Total non-hazardous waste intensity	ton/10 thousands square meters	36
A2.1	Energy consumption	Total energy consumption	tons of standard coal equivalent	4,570
		Total energy consumption intensity	tons of standard coal equivalent/10 thousands square meters	149
		Indirect energy consumption	tons of standard coal equivalent	4,570
		Electricity	MWh	30,185
		Gasoline	ton	37
		Diesel	ton	35
		Natural gas	10 thousands cubic meters	62
		Piped gas	cubic meters	0
		Tanked LPG	kg	6,960
		Purchased electricity	MWh	26,543
A2.2	Water consumption in total and intensity	Water consumption in total	cubic meters	213,931
		Water consumption intensity	cubic meters/10 thousands square meters	6,953
A2.5	Total packaging material used and intensity	Total packaging material used	ton	4,459
		Total packaging material intensity	ton/10 thousands square meters	145

ESG KPIs		Unit		2021
B1.1 Total workforce by gender, employment type, age group and geographical region	By gender	Total number of employees	Headcount	1,983
		Male	Headcount	1,572
		Female	Headcount	411
	By employment type	Full-time staff	Headcount	1,983
		Part-time staff	Headcount	0
	By age group	Aged 30 and under	Headcount	559
		Aged 31-39	Headcount	986
		Aged 40-49	Headcount	329
		Aged 50 and above	Headcount	109
	By geographical region	Mainland China	Headcount	1,930
		Overseas	Headcount	53
B1.2 Employee turnover rate by gender, age group and geographical region	Employee turnover rate		%	8.3%
	By gender	Male	%	6.0%
		Female	%	2.3%
	By age group	Aged 30 and under	%	3.9%
		Aged 31-39	%	3.6%
		Aged 40-49	%	0.5%
		Aged 50 and above	%	0.3%
	By geographical region	Mainland China	%	8.2%
		Overseas	%	0.1%
B2.1 Number of work-related fatalities	Number of work-related fatalities		Headcount	0
	Rate of work-related fatalities		%	0%
B2.2 Lost days due to work injury	Lost days due to work injury		Day	0
B3.1 The number and percentage of employees trained by gender and employee category	Total number of employees trained		Headcount	1,983
	By gender	Male	Headcount	1,572
		Female	Headcount	411
	By employee category	Senior Managerial	Headcount	10
		Middle Managerial	Headcount	37
		Non-managerial	Headcount	1,936
	Percentage of employees trained in the total employees		%	100%
	By gender	Man	%	100%
		Female	%	100%
	By employee category	Senior managerial	%	100%
		Middle managerial	%	100%
		Non-managerial	%	100%

ESG KPIs			Unit	2021
B3.2 The average training hours completed per employee by gender and employee category		Total training hours	Hour	166,532
	By gender	Male	Hour	130,539
		Female	Hour	36,004
	By employee category	Senior Managerial	Hour	856
		Middle managerial	Hour	3,548
		Non-managerial	Hour	162,140
		Average training hours of employees	Hour	84.0
	By gender	Male	Hour	83.0
		Female	Hour	87.6
	By employee category	Senior Managerial	Hour	85.6
Middle managerial		Hour	95.9	
Non-managerial		Hour	83.8	
B5.1 Number of suppliers by geographical region		Number of suppliers	Piece	555
	By geographical region	Southern China	Piece	191
		Central China	Piece	47
		Northern China	Piece	21
		Eastern China	Piece	253
		Northwestern China	Piece	12
		Southwestern China	Piece	12
		Northeastern China	Piece	19
		B5.2	Number of suppliers reviewed in accordance with the practices relating to engaging suppliers in 2021	Piece
B6.1	Percentage of recalled products accounting for total products sold or shipped in case of recalls	%	0%	
B6.2	Number of products and service related complaints received	Number of products and service related complaints received	Time	10
		Number of products complaints received	Time	10
		Number of service complaints received	Time	0
B7.1	Number of concluded legal cases regarding corrupt practices brought against the company or its employees	Number of corruption cases filed or concluded	Case	0
B7.3	Description of anti-corruption training provided to directors and staff.	Number of employees participating in anti-corruption training	Headcount	76
		Length of anti-corruption training provided to directors and employees	Hour	2

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Feedback Form

Dear readers,

Thank you for reading our report while fully engaged. There may be flaws and omissions in the report. We look forward to your comments and suggestions, so as to help us continue to improve the way we prepare the report and the performance of sustainable development. Thank you again for your support to our work!

1.Which of the following stakeholders best suits your identity with respect to Jinpan Technology?

- ☐ Government
- ☐ Shareholders
- ☐ Customers
- ☐ Employees
- ☐ Partners
- ☐ Peer/Industry Organization
- ☐ Environmental protection organization
- ☐ Community/Public
- ☐ Media
- ☐ Others

2.Your overall evaluation of this report:

- ☐ Very good
- ☐ Good
- ☐ General
- ☐ Poor
- ☐ Very bad

3.What do you think of the layout design of this report:

- ☐ Very reasonable
- ☐ Reasonable
- ☐ General
- ☐ Poor
- ☐ Very bad

4.What do you think of the readability of this report:

- ☐ Very good
- ☐ Good
- ☐ General
- ☐ Poor
- ☐ Very bad

5.What do you think of the quality of sustainability information disclosed in this report:

- ☐ Very high
- ☐ High
- ☐ General
- ☐ Low
- ☐ Very low

6.What aspects of this report interests you most? (Multiple choices)

- ☐ Corporate Governance
- ☐ Compliance Management
- ☐ Business Performance
- ☐ Safety Production
- ☐ Technological Innovation
- ☐ Green and Environmental Protection
- ☐ Employee Care
- ☐ Supplier Management
- ☐ Product Quality
- ☐ Social Service
- ☐ Other_____

7.What other comments or suggestions do you have about ESG report or our performance?

You can mail the above feedback to the address below: No. 168-39 Nanhai Avenue, Haikou City, Hainan Province, China

Thank you again for your understanding of our work!