

# JSTI

Stock Code: 300284

# 2022 | JSTI GROUP

## Environmental, Social And Governance Report

# JSTI

JSTI GROUP

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# Table of Contents

About This Report	01
Statement of Chairman	03
About JSTI	05
Sustainable Development Management	15
Future Expectations	86
Appendix	87

## Focus Piloting Low-carbon Development to Create a Green World Together

Focus on Research	19
Platform Construction	21
Consulting Services	21
Industrialization Exploration	22

## Focusing on Service to Achieve Mutual Benefits

Pursuing Excellent Quality	45
Strengthening Customer and Market Management	48
Multi-strategic Cooperation	51
Promoting Responsible Supply	53

## Green Operations for Environmental Protection

Environmental management system	79
Ecological Construction Business	80
Green Industry Seminar	83
Green Office Operation	84

## Governance According to Law and Standardized Operation

Corporate Governance	27
Sound Risk Management	29
Investor Relations Management	30
Business Ethics and Integrity Culture	31
Promoting the Party Building	32

## Recruitment and Value-Sharing

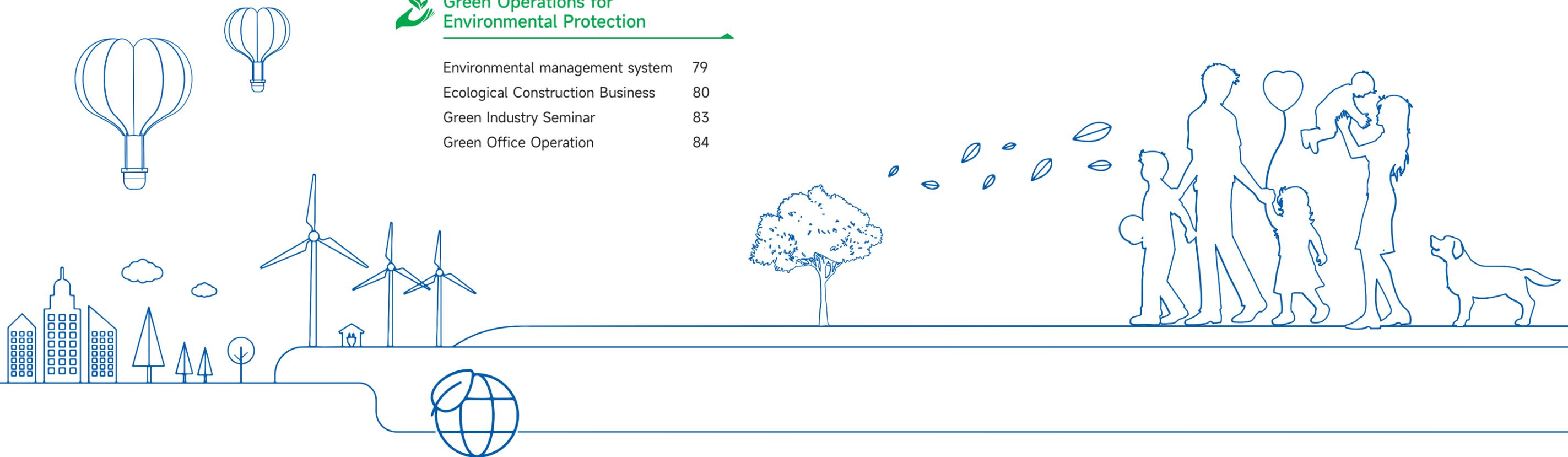
Talent Recruitment and Retention	57
Protection of Employees' Rights and Interests	59
Employee Care and Welfare	61
Employee Training and Development	65

## Innovative Technology to Empower Development

Independent Scientific Research and Innovation	37
Introduction of Advanced Technology	38
Leadership of the Industry	38
Intellectual Property System	38
Major Technological Innovation Achievements	39

## Cohesion of public Welfare and Harmony

Responding Rural Revitalization	73
Supporting Educational Assistance	74
Promoting the Public Interest in Science	75
Facilitating Basic Healthcare	75



# About This Report

## Appellation Description

For ease of expression, this report replaces "JSTI GROUP" with the terms "JSTI", "Company", "we", etc.

Full name	Abbreviations
JSTI GROUP	JSTI, Company, we

## Report Statement

This report is the first Environmental, Social & Governance (ESG) report released by JSTI. This report is prepared in conjunction with JSTI's specific practices in 2022 in developing green consulting, optimizing corporate governance, protecting shareholders' rights, safeguarding employees' interests and promoting social harmony, with the aim of disclosing the Company's actions and achievements in environmental, social and governance to various stakeholders.

## Time Range

The reporting period of this report covers from January 1, 2022 to December 31, 2022. For the purpose of making the report more comparable and forward-looking, some contents have been extended.

## Reporting Scope

The subject of this report is JSTI GROUP. Relevant chapters cover JSTI and its subsidiaries and branches, etc. The scope of this report is consistent with the scope of the Company's annual consolidated financial statements unless otherwise stated.

## Data Interpretation

The data and cases in the report are derived from the original records or financial reports of the actual operation of JSTI and its subsidiaries and branches. Unless otherwise specified, the currencies and amounts covered in this report are measured in RMB.

## Compilation Basis

- *Self-Regulatory Guidelines for Listed Companies on the Shenzhen Stock Exchange No. 2 - Standardized Operation of Listed Companies on the Growth Enterprise Market*
- *Self-Regulatory Guidelines for Listed Companies on the Growth Enterprise Market of Shenzhen Stock Exchange No. 1 - Business Handling and its annex Disclosure Requirements for Social Responsibility Reports of Listed Companies*
- State-owned Assets Supervision and Administration Commission of the State Council *Guiding Opinions on the Performance of Social Responsibilities by Central Enterprises*
- *Global Reporting Initiative (GRI Standards)*
- Sustainable Development Goals of the United Nations
- CSR Research Center, Department of Economics, Chinese Academy of Social Sciences, *China CSR Reporting Guide (CASS-ESG5.0)*

## Assess to the Report

The digital version of the report can be downloaded from the websites of Shenzhen Stock Exchange (<http://www.szse.cn>) and JSTI GROUP (<http://www.jsti.com/>) for more Company information.

## Feedback

If readers have any questions or suggestions about this report or the Company's social responsibility work, please feel free to contact the Company through the following contact information.

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# Statement of Chairman



Dear shareholders, customers, partners and employees,

2022 is a winning year for JSTI to persevere on the ground of high-quality development and achieve growth against the trend.

Due to global inflation, supply chain shortages, Ukraine crisis and other issues, the political and economic situation are severe and complex, the domestic engineering consulting industry has encountered more difficulties and challenges than ever before for the superposition of unexpected factors such as industrial transformation and upgrading, economic slowdown, and declining demand. In this context, all JSTI people gather together, remaining focus, energetic and self-improving, which not only had achieved outstanding business performance, but also had gained high evaluation and recognition from customers. We keep cultivating on our goals regardless of the matter of situations, Behind the scene of remarkable achievements it is the hard work and dedication of more than 8,000 strivers around the world for a whole year.

Looking back on 2022, we see that the strategic deployment and implementation of JSTI has been fruitful.

The expansion of domestic and overseas markets has achieved noticeable results. The Jiangsu market has grown against the trend and its market share has increased significantly, which is a good foundation for the expansion of the Company's engineering testing business in the Greater Bay Area. The overseas subsidiary, Eptisa, achieved a significant year-on-year increase in business undertakings, and its operating conditions improved greatly.

The research and industrial layout of carbon peak and neutrality targets has made a breakthrough. In response to the challenges and "bottlenecks" of low-carbon development of the industry, the major scientific and technological demonstration project regarding low-carbon technology research and application of comprehensive transportation hub, the Company carries out research on key technologies such as decarbonization path, carbon emission accounting and forecasting, multimodal transportation, low-carbon comprehensive hub construction and operation, builds a low-carbon development technology roadmap for the transportation industry, and proposes a complete set of green and low-carbon comprehensive transportation hub solutions for the whole life cycle. Our "Green-Traffic Cloud" platform has achieved phased results, its carbon peak and neutrality and data services have quickly covered 15 cities in two provinces. We have invested in the Green Distributor Network, led by the coordinated development strategy of "new energy transportation capacity digitalization + photovoltaic storage and charging energy digitalization", and are committed to building a green electricity special network for new energy city distribution logistics.

The platform has achieved significant results in entrepreneurship incubation and business industrialization. The Company established the Transport Digital Infrastructure (Lightweighting) Industry Research Center, and achieved a major breakthrough in the R&D and industrialization of bridge lightweighting monitoring complete sets of technology. Nanjing Ningtong Intelligent Transportation Technology Research Institute Co. Ltd. hatched and introduced 13 companies.

We firmly strengthen investment in scientific research and build a solid foundation for independent innovation capabilities. By optimizing and integrating the evaluation work, the "National Engineering Laboratory of New Road Materials" was successfully incorporated into the new sequence and transformed into the "National Engineering Research Center of

Advanced Road Materials" and the "State Key Laboratory of Safety, Durability and Healthy Operation of Long Span Bridges", and successfully passed the optimization and reorganization of the State Key Laboratory organized by the Ministry of Science and Technology.

Remarkable achievements have been made in the construction of the talent team. The Company introduced 1 academician of the Chinese Academy of Engineering, who was the first academician of Jiangsu transportation system. The Group's Postdoctoral Station was awarded the only "2022 Jiangsu Model Postdoctoral Research Station" in Jiangsu Transportation System.

The external review of the management system was highly recognized and won the honor of "Governor's Quality Award". The Company became the first enterprise to obtain AAA+ certification after adopting the new standard for upgraded grading certification in the survey and design industry, and became the only enterprise in the transportation field in Jiangsu to win the honorary "Governor Quality Award".

We adhere to the commitment to customers and firmly fulfill corporate social responsibility. In the consulting service of feasibility study on the G219 Jiqprin-Kanas highway construction project, the JSTI's local team crossed the uninhabited zone for 9 days and 8 nights and 78 kilometers, and finally completed the on-site survey work. We are always striving to ensure delivery and achieve our mission.

Looking forward to the future, in order to adapt to the current new development situation and development goals, we have issued a new mission and a new vision to lead the direction for JSTI and the all strivers.

**Mission: Most dynamic Trustworthy Building a new world**

**Vision: Becoming a world-class scientific and technological enterprise in the field of infrastructure**

In this new era we have embarked on a new journey with a new mission and goal. In 2023, under the guidance of the new mission and new vision, JSTI will also start a new chapter of organizational development with a new strategy, and make digital and industrialized transformation and upgrading become a "double booster" for enterprise development through the construction of "dual middle platform" on business middle platform and management middle platform, continuing to break the upper limit of capabilities, opening boundaries and creating greater value.

We persevere in green and sustainable growth, improve management level, and actively take social responsibility.

We firmly believe that perseverance and determination are the keys to achieving our goals, and that staying true to our mission and making the most of our time are essential to our success.

Finally, I would like to express my sincere gratitude to all shareholders, customers, partners and employees for your trust and support in JSTI, and look forward to working together with you to achieve a better performance in 2023.

Chairman of JSTI GROUP: Li Dapeng

# About JSTI

## Company Profile

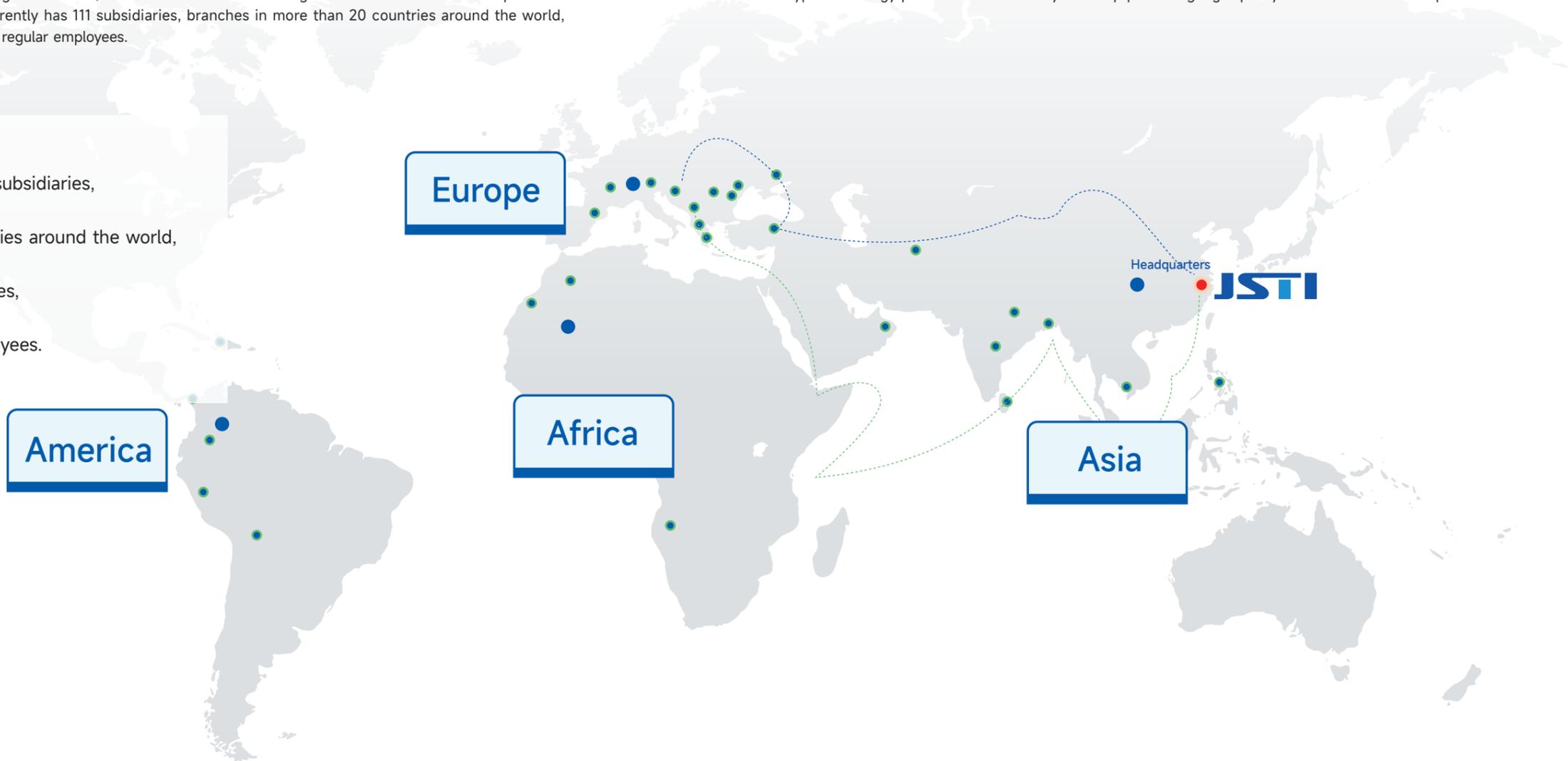
JSTI GROUP (hereafter referred to as "JSTI") is an infrastructure comprehensive solution provider. We have always been committed in providing our customers with one-stop, professional and comprehensive solutions. The Company's business covers highways, municipal utilities, water transport, railways, urban rail transport, environment, aviation, water conservancy, construction, electricity etc., as well as investment and financing, project investment analysis, planning consultation service, survey and design, construction supervision, engineering testing, project management, operation and maintenance, asset management, new materials research and development and the other services of the whole industry chain.

JSTI was built in 1978, formerly known as Jiangsu Research Institute of Transportation Science Co. On January 10th, 2012, JSTI was officially listed on the Shenzhen Stock Exchange and initiated public offering of A-shares (Stock code:300284). "JSTI GROUP" was officially unveiled in May 2015. In 2016, it made strategic alliance with world's leading engineering design consulting service providers: Spain Eptisa Servicios de Ingenieria,S.L.(Eptisa), which accelerated the pace of our process of internationalization .In 2021, the Company introduced Guangzhou Zhujiang Industrial Group Co., Ltd. as a strategic cooperative shareholder through capital injection and issuance of share, which is the Company's current controlling shareholder, the actual controller is Guangzhou State-owned Assets Supervision and Administration Commission.The Company currently has 111 subsidiaries, branches in more than 20 countries around the world, projects in more than 60 countries, and over 8,000 regular employees.

Over years, the Company has focused on technical research and development, adhered to independent innovation and achieved fruitful results. We had won the titles of "National High-tech Enterprise", "National Innovation-oriented Enterprise", "National Intellectual Property Demonstration Enterprise" and "National Foreign Intelligence Demonstration Unit". The Company has formed a platform group with two national-level scientific research platforms (National Engineering Research Center of Advanced Road Materials and State Key Laboratory of Safety, Durability and Healthy Operation of Long Span Bridges), supported by 39 provincial and ministerial-level platforms, and conducted various researches to meet the demands of the transportation industry. It has also obtained the key R&D projects funded by the Ministry of Science and Technology, National Science and Technology Support Program, international cooperation programs, National Natural Science Foundation and other major scientific and technological projects.

In the future, JSTI will continue focusing on its local market while looking globally. With the data base and positive design to create a business center, with the management knowledge and capability precipitation to create a management center, further consist with digitalization and industrialization as dual boosters for us breaking through the upper limit of capability to build the most influential think-tank type technology platform in the industry and help promoting high-quality and sustainable development of the industry.

The Company currently has **111** subsidiaries,  
branches in more than **20** countries around the world,  
projects in more than **60** countries,  
and over **8,000** regular employees.



## Business Overview

Main Businesses	Business Field	Corresponding Products	Corresponding Downstream Industries
Engineering Consulting	Survey and Design	Infrastructure Engineering Consulting Reports, Project Feasibility Reports, Project Estimates, Design Documents and Drawings, etc.	Rail, Environmental, Aviation, Water Conservancy, Construction and Power Generation Industries
	Comprehensive Testing	Civil Engineering Inspection Reports, Road Inspection System Services, etc.	
	Project Management	Engineering Supervision Services, etc.	
	Environment Business	Environmental Inspection (Monitoring) Reports, Environmental Impact Assessment Reports, etc.	
Engineering Contracting	—	Contracting Services for Infrastructure Projects, etc.	

### Engineering Consulting Business

The Company provides a full range of professional services for engineering construction, from investment decision making to construction implementing, including planning and consulting, survey and design, environmental business, comprehensive testing and project management, etc. The business fields involve highway, bridge, port, river and ocean engineering, municipal and public works, rail transportation, construction engineering, environmental engineering, water conservancy engineering, hydro-geology and geotechnical engineering, etc.

### Engineering Contracting Business

The Company is entrusted by the asset owner to undertake the design, procurement, construction and commissioning services of the project in accordance with the contract, and is also responsible for the quality, safety, time-frame and pricing of the contracted projects.



## Corporate Culture

### Our Mission

#### Most dynamic Trustworthy Building a new world

We aim to leverage the energy and creativity of our top-tier employees to drive continuous innovation that delivers value to our customers and makes a better world.

### Our Vision

#### Becoming a world-class scientific and technological enterprise in the field of infrastructure

We are committed to provide innovative and leading solutions, striving to build an international technology enterprise group that achieves high quality sustainable development.

### Our Values

#### Focusing on Customer:

We think in our customers' perspectives, remain committed to our customers and promoting maximum value creation for our customers.

#### Talent Development:

We advocate the full embodiment of staff values and strive to build a first-class workforce to achieve the common growth of staff and the Company.

#### Teamwork Spirit:

We promote teamwork, openness, mutually support and shared success.

#### Encouraging Innovation:

We strive for excellence and encourage all innovative activities in service, technology, products and management.

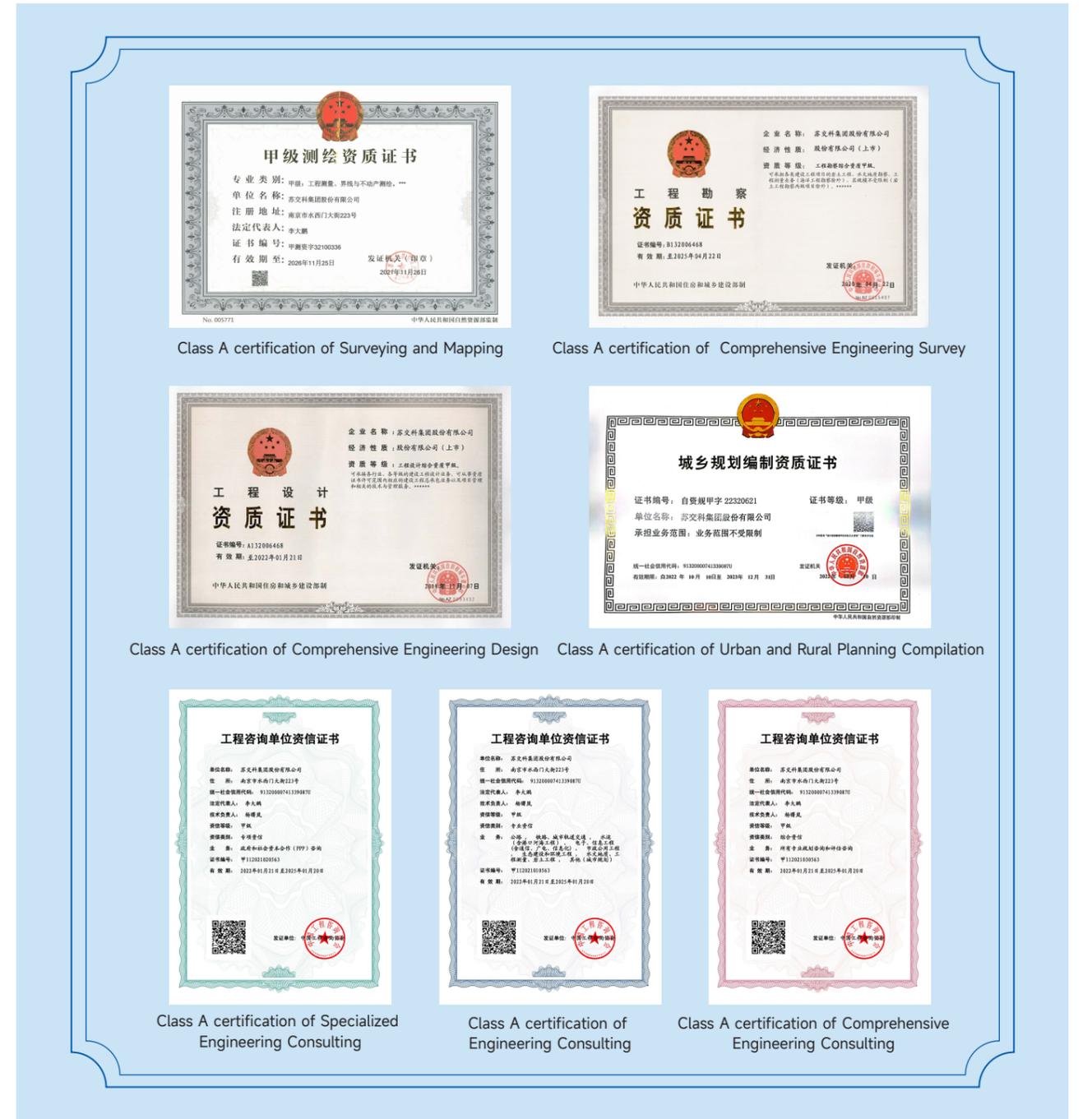
#### Valuing Performance:

We focus on execution, demanding personnel proficiency and normalcy, reward personnel with exceptional performance.



## Corporate Qualifications

Type of Qualification	Name of Qualification
Planning Category	A-Class Qualification for Urban and Rural Planning Compilation
Consulting Category	A-Class Qualification for Comprehensive Engineering Consulting
	A-Class Qualification for Engineering Consulting
	A-Class Qualification for Specialized Engineering Consulting
Surveying and Mapping Category	A-Class Qualification for Mapping
Surveying Category	A-Class Qualification for Comprehensive Engineering Survey
Design Category	A-Class Qualification for Comprehensive Engineering Design
TIC (Engineering) Category	Engineering Inspection Qualification: A-Class for Highway Engineering, A-Class for Water Transport Engineering Structure (Foundation), A-Class for Water Transport Engineering Materials, A-Grade for Highway Engineering Materials, Special for Highway Engineering Bridge and Tunnel Engineering, Special for Highway Engineering Traffic Engineering
Construction Category	Construction Industry Qualification: Grade 1 General Contractor for Highway Engineering Grade 1, Municipal Public Works Construction General Contractor
Supervisory Category	A-Class for Highway Engineering
	A-Class for Water Transport Engineering
	Specialized Highway Electrical and Mechanical Engineering
	A-Class for Municipal Public Engineering



The Company's qualifications in the TIC field (non-engineering) include: Certificate of China Inspection Body and Laboratory Mandatory Approval (CMA), Certificate of China National Accreditation Service for Conformity Assessment (CNAS), Certificate of Qualified Assessment for China Agriculture-product Testing Laboratory (CATL), Qualification Certificate for Occupational Health Technical Service Institutions, and Certificates of Testing Qualification for Environmental, Food and Agricultural Products, Occupational Hazards and Public Health Venues.

## Industry Status

JSTI is the first engineering consulting company in China listed on the A-share market, and is widely recognized as a top performer in terms of scientific research, technical expertise, corporate qualifications, brand recognition, and market share. In 2022, JSTI was ranked **57th** in the "Top 150 Global Engineering Design Firms" and the **74th** in the "Top 225 International Engineering Design Firms" issued by Engineering News Record (ENR) in the US, in the "Top 60 Engineering Design Firms in China" issued by ENR/Architecture Times, we ranked **10th**.



## Corporate Honors

Awarded Company	Award-winning time	Award Name	Awarded by
JSTI GROUP	July 2022	National Center for Enterprise Technology	National Development and Reform Commission (NDRC), Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, General Administration of Customs of the People's Republic of China, State Administration of Taxation
	December 2022	National Intellectual Property Demonstration Enterprise	China National Intellectual Property Administration
	September 2022	Jiangsu Governor Quality Award	Jiangsu Provincial People's Government
	September 2022	The new round of the enterprise that is innovative leading enterprise to foster action	Jiangsu Provincial Department of Science and Technology
	May 2022	Excellent Science Education Base	Jiangsu Provincial Comprehensive Transportation Society
JIANGSU JIAXIN TESTING TECHNOLOGY CO.,LTD.	December 2022	National High-tech Enterprise	Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, State Administration of Taxation
JIANGSU GELINLESI TESTING TECHNOLOGY CO.,LTD.	December 2022	National High-tech Enterprise	Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, State Administration of Taxation
JIANGSU ENERGY TECH DEVELOPMENT CO.,LTD.	December 2022	National High-tech Enterprise	Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, State Administration of Taxation
JIANGSU TS TRAFFIC DESIGN & RESEARCH DIVISION CO.,LTD.	December 2022	National High-tech Enterprise	Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, State Administration of Taxation
SHIJIAZHANG MUNICIPAL DESIGN & RESEARCH DIVISION CO.,LTD.	December 2022	National High-tech Enterprise	Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, State Administration of Taxation
JSTI GROUP GUANGDONG INSPECTION AND CERTIFICATION CO.,LTD.	December 2022	National High-tech Enterprise	Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, State Administration of Taxation
XIAMEN MUNICIPAL ENGINEERING DESIGN DIVISION CO.,LTD.	December 2022	National High-tech Enterprise	Ministry of Science and Technology of the People's Republic of China, Ministry of Finance of the People's Republic of China, State Administration of Taxation
	December 2022	2022 Annual Key Industry Leading Backbone Private Enterprise	Xiamen Municipal People's Government
ZHONGSHAN WATER CONSERVANCY AND HYDROPOWER SURVEYING,DESIGNING AND CONSULTING CO.,LTD.	March 2022	The 6th Zhongshan Most Socially Responsible Enterprise Media Award - Golden Sycamore Enterprise Award	Zhongshan Municipal Committee Propaganda Department, Zhongshan Municipal Committee United Front Work Department, Zhongshan Daily, Zhongshan Federation of Industry and Commerce, Zhongshan Bureau of Industry and Information Technology, Zhongshan Human Resources and Social Security Bureau, Zhongshan Municipal People's Government State-owned Assets Supervision and Administration Commission, Zhongshan Municipal Market Supervision Bureau, Zhongshan Municipal Financial Work Bureau



## 2022 Annual Events

### January

The first academic committee meeting of the first session of Field Scientific Observation Research Base for Safety and Long-term Performance of Long-span Cable-stayed Bridge Structures in the Transportation Industry was successfully held in Nanjing.



### February

The Jiangsu Provincial Department of Transportation announced the evaluation results of the demonstration projects for the creation of the "Safe Hundred-Year Quality Engineering" in the provincial-level highways and waterways for the year 2021. The Company and its subsidiaries, JiangSu SuKe Construction Project Management Co. Ltd. and JIANGSU TS TRAFFIC DESIGN & RESEARCH DIVISION CO.,LTD. participated in 8 projects, all of which met the evaluation standards.



### March

The paper of "Emphasizing Details for Service and Highlighting Humanistic Care: Research on Transportation Development Strategy under the Background of Aging Population" written by employees Wen Yusha and Guo Kunqing of the Company was selected by think tank and published on the China Transportation News website and the Information Public Platform of People's Daily National Party Media.



### April

Ren Zhenhe, the Deputy Secretary of the Gansu Provincial Party Committee and Governor, presided over a special meeting to listen to the Company's report on the "Traffic Hub City Traffic Planning Scheme for Lanzhou City". The content was highly recognized by the Governor and leaders of provincial departments and bureaus.



### May

The preliminary design on the expansion project of the Taicang-Changzhou section of the Shanghai-Wuhan Expressway, which was mainly edited by the Company's Transportation Planning and Design Institute, was successfully approved by the Ministry of Transport. The Shanghai-Wuhan Expressway has become the first national expressway with a complete dual ten-lane design to receive approval.



### June

The US Engineering News-Record (ENR) and China's Construction Times jointly released the 2021 ranking of "Top 80 Chinese Contractors and Top 60 Engineering Design Enterprises". The Company has been on the list for 17 consecutive years and its ranking has continued climbing, and has been ranked 7th in the "2021 China's Top 60 Engineering Design Enterprises".



The establishment and unveiling ceremony of the "Transportation Modernization Research Center" of the Chinese Democratic League Jiangsu Provincial Committee and the JSTI GROUP was successfully held at the Nanjing Design Center.

### July



The establishment and unveiling ceremony of JSTI (SUZHOU) TRANSPORTATION TECHNOLOGY CO.,LTD. a wholly-owned subsidiary of the Company, was held successfully in Suzhou, Jiangsu.

### August



The Jiangsu Government announced the "2022 Jiangsu Governor Quality Award" winners, and the Company was one of the ten enterprises awarded this honor. It is the first Company in the transportation sector in Jiangsu Province to receive this award.

### September



The inaugural ceremony of the Jiangsu Urban Rail Transit Operation Safety Technology Research Center, the first provincial-level professional platform in China dedicated to ensuring the safe operation of urban rail transit and was held at JSTI. The center was jointly established by the Jiangsu Transportation Department, Jiangsu Emergency Management Department, Nanjing Metro Group, Suzhou Rail Transit Group, JSTI, and other urban rail transit companies and relevant universities in Jiangsu province.

### October



The Xiamen Shanhai Health Trail and Meiqiao Bridge designed by XIAMEN MUNICIPAL ENGINEERING DESIGN DIVISION CO.,LTD. won the annual "IABSE Award for Pedestrian and Cycle Bridges" in competition with the selected projects from Sweden, South Korea, Guangzhou, China, Portugal, the United Kingdom, etc.

### November



The 20th Annual Academic Exchange Conference of JSTI was held with the theme of "Smart, Green, Safe - Sustainable Transportation". The conference featured one main forum and eight sub-forums, invited leaders, experts, scholars, and technical experts from both inside and outside the industry to exchange ideas and seek direction for future technological development.

### December

# Sustainable Development Management

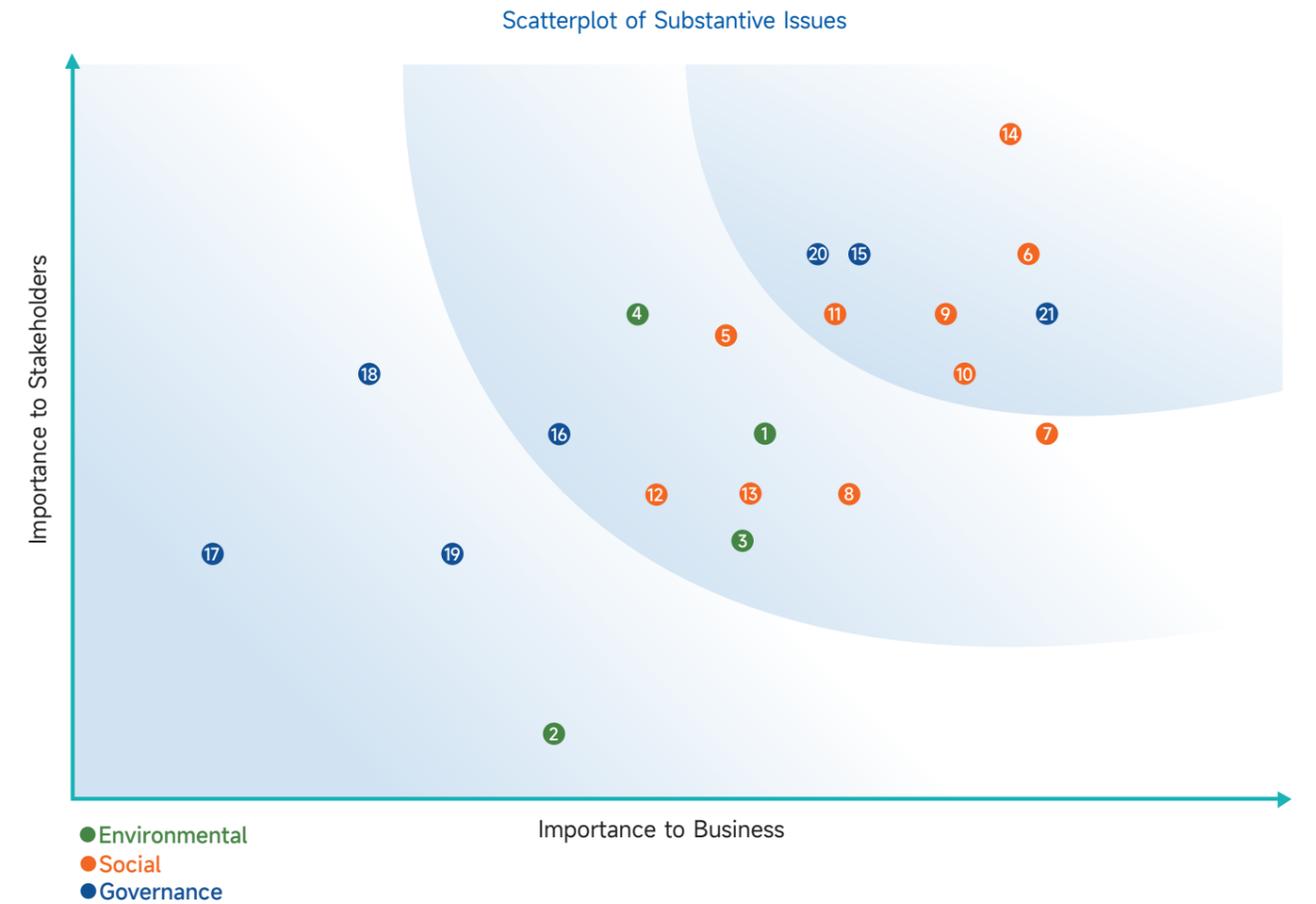
## Communication with Stakeholders

JSTI's development is inseparable from the support and understanding of its stakeholders. We place great importance on stakeholder management and communication, actively engage in dialogue with them through various channels to gain a deep understanding of their needs and expectations. We are committed to delivering greater value to our stakeholders.

Major Stakeholders	Expectations and Demands	Communication and Response
<p><b>Shareholders and Investors</b></p>	<ul style="list-style-type: none"> <li>Operating performance improvement</li> <li>Standardized operation</li> <li>Reasonable return on investment</li> <li>Multi-Channel communication</li> </ul>	<ul style="list-style-type: none"> <li>Timely and transparent information disclosure</li> <li>Dividend payout</li> <li>Investor relations maintenance</li> <li>Maintaining business and profitability growth to enhance industry position</li> </ul>
<p><b>Customers</b></p>	<ul style="list-style-type: none"> <li>Excellent service</li> <li>Integrity in performance</li> <li>Quality construction</li> </ul>	<ul style="list-style-type: none"> <li>Enhancing consulting expertise</li> <li>Contract performance execution</li> <li>Technology innovation</li> </ul>
<p><b>Employees</b></p>	<ul style="list-style-type: none"> <li>Good benefits package</li> <li>Protection of employee rights and interests</li> <li>Work-Life balance</li> <li>Platform for vocational skills training and development</li> </ul>	<ul style="list-style-type: none"> <li>Complete compensation and benefits system</li> <li>Employee rights protection</li> <li>Employee care activities</li> <li>Conducting diversified training</li> <li>Establishing career pathway</li> </ul>
<p><b>Society and Public</b></p>	<ul style="list-style-type: none"> <li>Ecological and environmental management</li> <li>Public charity</li> <li>Employment generation</li> </ul>	<ul style="list-style-type: none"> <li>Green-oriented design</li> <li>Green-oriented construction</li> <li>Public welfare activities</li> <li>Employment opportunities</li> </ul>
<p><b>Government</b></p>	<ul style="list-style-type: none"> <li>Compliance Management</li> <li>Paying taxes in accordance with the law</li> </ul>	<ul style="list-style-type: none"> <li>Implementation of government management requirements</li> <li>Operating according to the law</li> <li>Full tax payment</li> <li>Anti-Corruption</li> </ul>

## Analysis of Substantive Issues

Based on the communication with stakeholders, JSTI has identified and assessed the importance of ESG substantive issues, which is shown below.



Highly Important Issues	Relatively Important Issues	Generally Important Issues
<ul style="list-style-type: none"> <li>6• Employee rights and welfares</li> <li>9• Respecting for human rights and equal employment</li> <li>10• Social welfare</li> <li>11• Talent attraction and retention</li> <li>14• Providing quality and timely after-sales service</li> <li>15• Operating in compliance with the law</li> <li>20• Profitability and core competencies</li> <li>21• Shareholder returns</li> </ul>	<ul style="list-style-type: none"> <li>1• Green and low-carbon</li> <li>3• Green supply chain</li> <li>4• Digital construction</li> <li>5• Technological Innovation</li> <li>7• Training and development</li> <li>8• Occupational health and safety</li> <li>12• Business ethics</li> <li>13• Intellectual property protection</li> <li>16• Information disclosure</li> </ul>	<ul style="list-style-type: none"> <li>2• Energy saving</li> <li>17• Protecting the rights and interests of small and medium-sized investors</li> <li>18• Investor relations management</li> <li>19• Paying taxes in accordance with the law</li> </ul>



Focus

# Piloting Low-carbon Development to Create a Green World Together



China will increase its independent national contribution, adopt stronger policies and measures, and strive to reach peak CO2 emissions by 2030 and work towards carbon neutrality by 2060.

—Address by General Secretary Xi Jinping to the General Debate of the 75th Session of the United Nations General Assembly

As the economy develops, green-oriented environmental protection has become a social focus. Against the backdrop of "Carbon peak and neutrality", the government has successively introduced a series of industrial policies related to environmental protection and green development. JSTI, as a comprehensive technology company dedicated to the fields of smart cities, transportation, water management, environmental protection and other fields, seizes the opportunity of green and low-carbon transformation, shoulders the mission of "making a better world", continues to provide intellectual support for the development of green-oriented environmental protection.

<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p> 	<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p> 	<p>13 CLIMATE ACTION</p> 
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## Focus on Research

### Carrying Out Research on Carbon Peak and Neutrality Monitoring and Assessment System

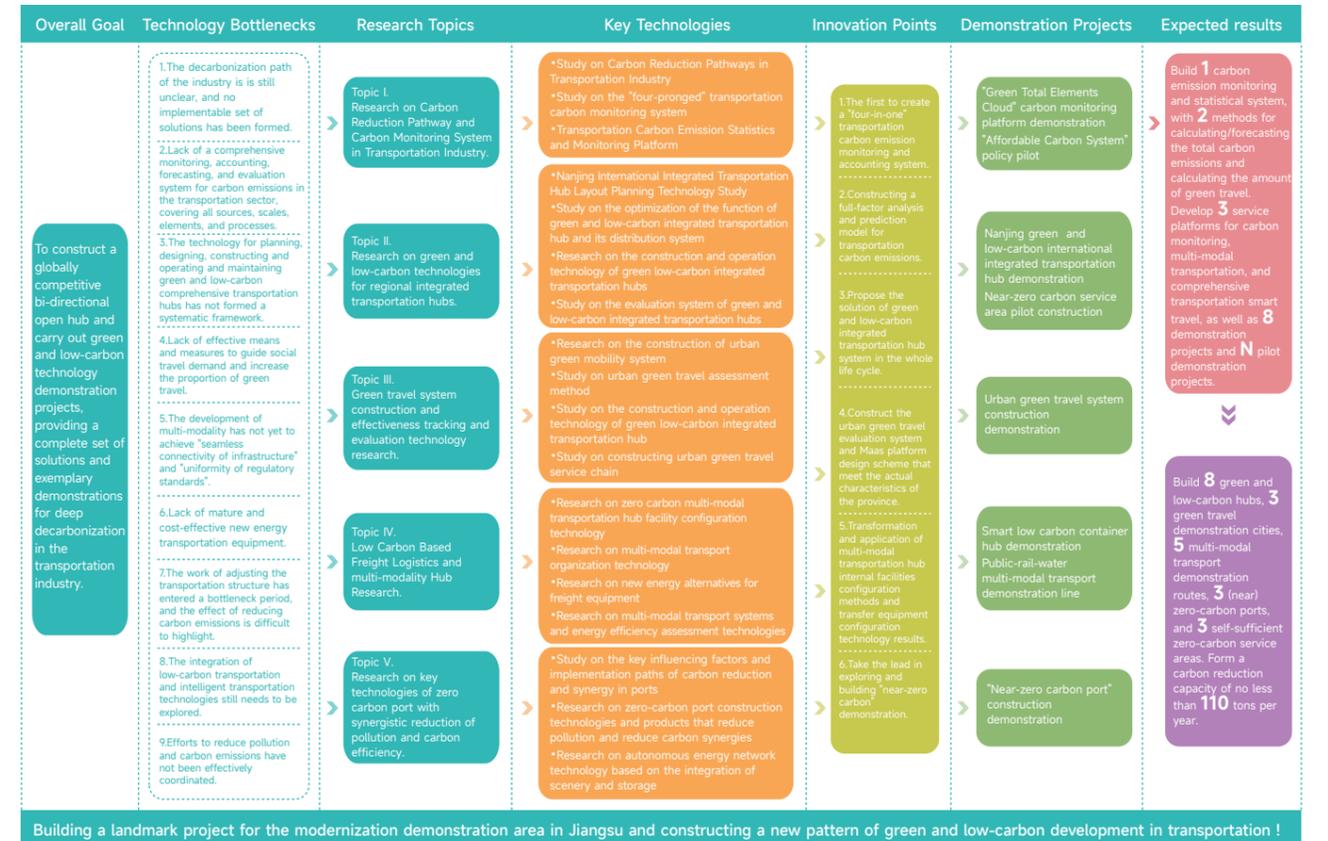
In 2022, the Company successfully applied for the Jiangsu Provincial Department of Transportation's transportation technology project - the construction of the Jiangsu Provincial Transportation Carbon Peak and Neutrality Monitoring and Assessment System, as well as the research on data accounting methods. The project aims to fully analyze the main characteristics and current levels of energy consumption and carbon emissions of transportation in Jiangsu Province. By combining relevant domestic and international research progress, historical statistical data related to transportation in the province, and cutting-edge technologies for carbon emissions monitoring in the transportation industry, the project aims to address the challenges and difficulties such as incomplete coverage and insufficient statistical data for carbon monitoring in the industry. The project will establish a sound carbon monitoring system for transportation in Jiangsu Province, develop supporting equipment for monitoring carbon emissions from operational vehicles, establish a comprehensive evaluation system for carbon peak and neutrality work in transportation, and carry out ecological product value accounting for the key areas of transportation carbon emissions. The project will produce industry carbon monitoring reports, carbon emission assessment methods, including several patents for methods and technologies. It will provide guidance for the development of the "carbon peak and neutrality" work in transportation in Jiangsu Province. The project was approved by the province to allocate funds of **RMB 1.7 million** and the total funding of the project was **RMB 2.55 million**.



### Successfully Applied for the Provincial Special Fund for the Projects of Carbon Peaking and Carbon Neutrality Technology Innovation

In 2022, the Company applied for the Jiangsu Provincial Department of Science and Technology's Carbon Peaking and Carbon Neutrality Science and Technology Innovation Special Fund project, titled "Research and Application of Green Low-Carbon Technologies for Integrated Transport Hubs with Major Scientific and Technological Demonstrations". The project aims to support the province's goals of "Carbon Peaking and Carbon Neutrality" and build a world-class integrated hub for two-way development. Addressing the challenges and difficulties of the industry's unclear decarbonization path and incomplete carbon monitoring system, the project will strengthen technological breakthroughs in areas such as decarbonization path research, carbon emission monitoring, green travel, low-carbon logistics, zero-carbon hubs, and regional comprehensive demonstrations. The project will generate a set of critical carbon reduction technologies, methods, measures, and policy recommendations, implement a series of near-zero carbon transportation demonstration projects, to provide a complete set of solutions and model demonstrations for in-depth carbon reduction in the transportation sector. The project will be a landmark project in Jiangsu's modern demonstration area and build a new green and low-carbon development pattern for the province's transportation sector. The project was approved with a provincial allocation of **RMB 30 million** and a total funding of **RMB 100 million**.

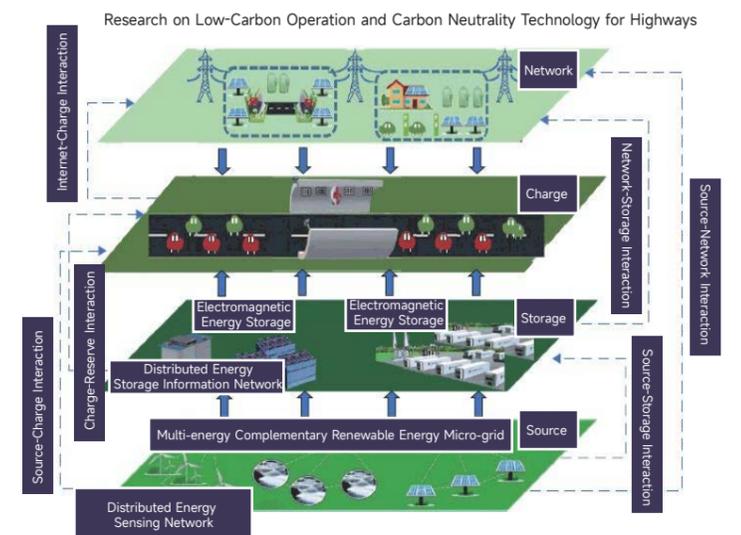
### Comprehensive transportation hub green low-carbon technology research and application of major science and technology demonstration (956 research system + 1238N results system)



Building a landmark project for the modernization demonstration area in Jiangsu and constructing a new pattern of green and low-carbon development in transportation !

### Conducting research on low-carbon operation and carbon neutrality technology on highways

The Company is undertaking the research and development project for low-carbon operation and carbon neutrality technology on highways under the Jiangsu Provincial Department of Transportation Science and Technology Development Plan. The research focuses on the operation period of highways, identifies the main sources of carbon emissions on the basis of building a carbon emission lists, and sets the boundaries for carbon emissions and carbon sink accounting in highway operation, proposing methods for calculating carbon emissions and carbon sinks. The Company has put forward a carbon neutrality path for highway operation, which includes "carbon calculation, carbon reduction, carbon neutrality, carbon negativity, and carbon exchange", and corresponding key supporting technology development directions. We analyze the feasibility of carbon neutrality, a road network net carbon emissions calculation model is constructed for the operation period, and net carbon emissions curves under three scenarios are simulated: "baseline scenario" "green-oriented scenario" and "carbon neutrality scenario" for the Nanjing-Shanghai Expressway operation. Based on this, a low-carbon operation and carbon neutrality implementation plan is proposed for highway operation.



## Platform Construction

In the context of China's national carbon reduction policy, the Company has developed a "four-comprehensive" carbon monitoring system for the transportation sector, covering all aspects, processes, scales, and factors. Based on this, the Company has also developed the Green-Oriented Transportation Cloud Carbon Monitoring Platform, which allows for the calculation of total carbon emissions and intensity, analysis of energy consumption structure, trend analysis of carbon emissions over the years, and monitoring of key indicators in the transportation sector. The platform enables online data reporting, automatic auditing, indicator calculation, big data analysis, and visual display of results, greatly improving the efficiency of industry energy consumption surveys and statistical analysis, enhancing industry management effectiveness. The platform has undergone four iterations and upgrades, processing around 150,000 pieces of data each year, and has provided services for 20 energy consumption surveys conducted by the Jiangsu Provincial Department of Transportation, with around 530 participating enterprises annually. The survey covers 3,083 samples of operating passenger vehicles, 5,035 samples of operating trucks, 2,176 samples of operating ships, 822 samples of taxis, 43 port enterprises, and 25 urban public transportation enterprises.



## Carrying Out the Analysis of Carbon Monitoring Data in the Whole Field of Transportation

Based on the annual energy consumption and carbon emissions monitoring and statistical analysis, the Company regularly conducts carbon monitoring data analysis and compiles semi-annual and annual green and low-carbon data analysis reports. The main analysis content includes the total amount of energy consumption and emissions, intensity, and trends in nine areas such as public, rail, water, air, social vehicles, postal warehousing and infrastructure, etc.. We also analyze the causes of emissions, energy consumption structure, transportation equipment structure, construction of charging and replacement facilities, and installation capacity of new energy generation facilities. The carbon monitoring data analysis work includes the achievements of the transportation industry in promoting structural adjustment, optimizing the energy consumption structure, promoting the intensive and low-carbon construction of transportation infrastructure, and building a green transportation system, with the goal of achieving Carbon Peaking and Carbon Neutrality. At the same time, the Company tracks and evaluates the development of green transportation-related indicators in the documents such as the "Jiangsu Province's 14th Five-Year Comprehensive Transportation Service Development Plan" and the "Jiangsu Province's 14th Five-Year Green Transportation Development Plan", covering 16 indicators in five categories.



## Undertaking the Compilation of Implementation Plans for Green-oriented and Low-carbon Development in the Transportation Sector of Multiple Provinces and Cities

As a technical support unit, the Company has undertaken the preparation of implementation plans for green-oriented and low-carbon development in the transportation sector of multiple provinces and cities, including Jiangsu Province, Anhui Province, Suzhou, Nantong, Lianyungang, and Ma'anshan. The Company has conducted carbon emissions accounting and prediction analysis for transportation in cities such as Nanjing and Huaian, as well as research on key paths and strategies for carbon peaking in transportation in Zhenjiang Province. The Company has participated deeply in the top-level design work for green and low-carbon development in the transportation sector of related regions.

## Consulting Services

### Energy Consumption and Emissions Monitoring and Statistics Center Helps Green-Oriented Low-Carbon Transportation Supervision



Since 2011, the Company has been conducting research on the energy-saving and emission-reducing statistical monitoring system for transportation, and has established a dedicated team to provide industry energy consumption and emission data services to the Jiangsu Transportation Department. In 2015, the Jiangsu Transportation Department issued a document to establish the "Jiangsu Transportation Industry Energy Consumption and Emissions Monitoring and Statistics Center", which was built and operated by the subsidiary, JIANGSU ENERGY TECH DEVELOPMENT CO., LTD.. The center mainly is responsible for the technical research, promotion of energy consumption and emissions monitoring and statistics, collection and reporting of energy consumption and emissions, monitoring and statistics data, training and communication of energy consumption, emissions monitoring and statistics personnel. Up to date, the Company has conducted a total of 23 energy consumption surveys for 12 consecutive years, with an annual processing of statistical and online monitoring data exceeding 2 billion and a field verification conducted every three years to ensure the accuracy and authenticity of the survey data. The Company has held a total of 3 province-wide training sessions, 7 regional training sessions, and 22 city training sessions, with over 10,000 participants, and online coaching and Q&A exceeding 8,000 times each year.

In 2022, the monitoring work transformed and built up a "four-full" carbon monitoring system, including full caliber, full process, full scale, and full element. Full caliber refers to 9 calibers such as public transportation, railway, waterway, aviation, social vehicles, postal warehousing, and infrastructure, etc.; full process covers the full life cycle of transportation facilities from construction, management, maintenance to operation; full scale includes the four-level architecture of province, city, district, and key enterprises; and full element refers to 48 core indicators related to green and low-carbon transportation.



## Industrialization Exploration

### Exploration the Industrialization of Carbon Monitoring



Relying on the 2021 Nanjing Enterprise Expert Studio, the Company was selected for the project "Transportation Carbon Emission Big Data Statistical Monitoring and Intelligent Analysis Platform". The Company has researched and proposed data collection standards, data exchange standards, and supporting systems for energy consumption and emission data for the industry and key transportation enterprises. The Company has independently developed a transportation energy consumption and emission data collection and transmission terminal based on embedded systems, established an effective monitoring and intelligent analysis platform for carbon emissions data for the entire transportation system and key enterprises.



The platform has achieved initial commercialization of carbon monitoring, the estimated potential market value of the transportation carbon monitoring platform in Jiangsu Province is **RMB 185 million**, and the potential market value nationwide is expected to reach **RMB 2 billion**.

## Exploration of the Industrialization of Green-oriented Equipment

The Company Jiaoke Energy is carrying out industrial exploration in the field of green equipment. As a national high-tech enterprise, the Company was awarded the "Jiangsu Province Green Circular Low-carbon Technology Achievement Transformation Public Technical Service Platform" jointly by the Jiangsu Provincial Commission of Economy and Information Technology and the Department of Science and Technology in 2013, and was also awarded honors such as "Jiangsu Province Private Technology Enterprise" by the Jiangsu Provincial Department of Science and Technology, "Science and Technology Enterprise of Jiangsu Province" by the Jiangsu Small and Medium Enterprises Bureau. The Company has participated in the formulation of 6 standards, including 3 in the Yangtze River Delta region standards and 3 in group standards; and has obtained a total of 38 intellectual property rights, including 20 invention and utility model patents and 18 software copyrights. We have won one first prize in Jiangsu Province Science and Technology Award and undertaken a total of 41 provincial and ministerial-level scientific research projects. Our several products have obtained high-tech product certification. The independently developed high-efficiency permanent magnet synchronous motor and motor controller have been applied in batches to a certain type of special vehicle, with an annual production capacity of **3,000** sets and cumulative operating income exceeding RMB 100 million, among which the sales value in 2022 was about RMB **30 million**.



# 苏交科集团股份有限公司

## 2022年度审计委员会暨第五届董事会第十二次会议

地点：...会议室



### Governance According to Law and Standardized Operation



JSTI not only pursues high-quality and sustainable development, but also implements the regulatory requirements to further improve the quality of listed companies. The Company continuously explores and improves its corporate governance structure, establishes and improves its internal management and control system, further standardizes its operations, strives to enhance information disclosure and investor relations management, and continuously improves its corporate governance level.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

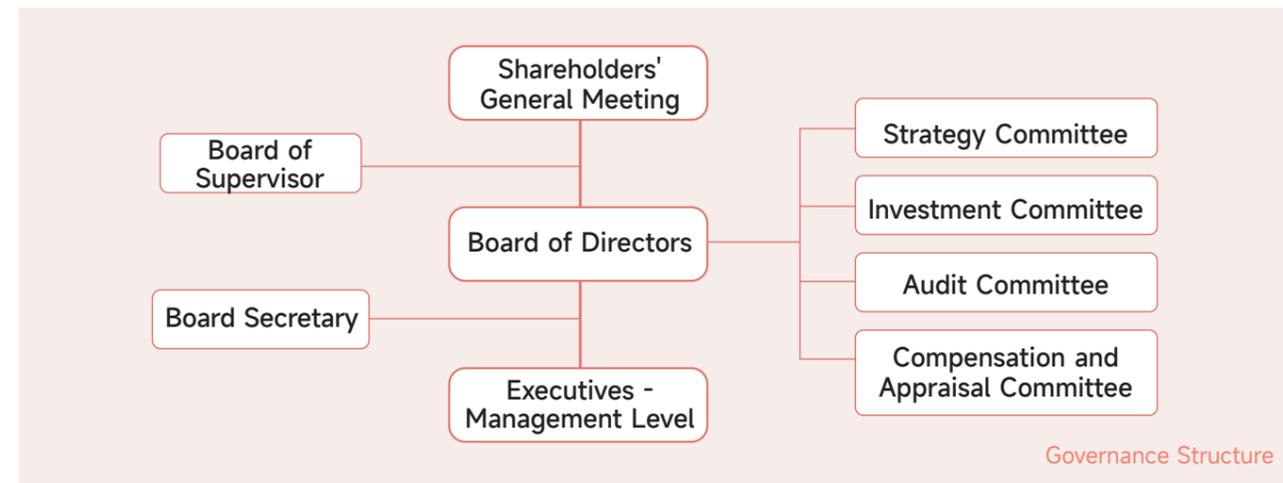


## Corporate Governance

### Corporate Governance Overview

The Company has established a regulatory system based on the Articles of Association, the Rules of Procedure for the Shareholders' General Meeting, Rules of Procedure for the Board of Directors, Rules of Procedure for the Board of Supervisors and other main documents, in accordance with the requirements of laws and regulations such as the *Company Law of the People's Republic of China* and the *Securities Law of the People's Republic of China*, to build a decision-making, management, and supervision system centered on the shareholders' general meeting, board of directors, supervisory board, and management team.

During the reporting period, the Company continued reviewing the current special governance systems, clarified the boundaries of each subject's rights and responsibilities, and revised 15 regulations, including the Articles of Association, the Rules of Procedure for the Shareholders' General Meeting, the Rules of Procedure for the Board of Directors, to further regulate the Company's governance work and improve governance efficiency.



### The Operation of the Three Meetings



During the reporting period, the Company held **2** shareholders' general meetings, **7** board of directors meetings, and **5** board of supervisory meetings.

The convening, holding and voting procedures of the three meetings are in accordance with legal requirements. The directors and supervisors actively participate in the meetings, exercise their legal rights, and fulfill their legal duties and obligations. Senior management attend the relevant meetings in strict accordance with relevant laws and regulations and the provisions of the Articles of Association.

#### Shareholders' General Meeting

The Company strictly abides by the provisions and requirements of the Shareholders' General Meeting Rules of Listed Companies, the Articles of Association, and the Rules of Procedure for Shareholders' General Meetings to convene and hold shareholder meetings in a standardized manner. The Company treats all shareholders equally and provides conveniences for them to attend the meetings as much as possible, enabling them to fully exercise their shareholder rights. During the reporting period, the Company's shareholders' general meetings were convened and held by the board of directors, presided over by the chairman, and witnessed by lawyers who issued legal opinions on site. All shareholders were able to fully exercise their right to speak at the meetings, ensuring that all shareholders, especially small and medium-sized ones, enjoy equal status and fully exercise their rights. The Company has conducted separate vote counting for small and medium-sized investors at each shareholders' general meeting, fully respecting their interests and improving their participation in the Company's shareholder meeting resolutions.

#### Board of Directors

The members of the board of directors perform their duties and obligations diligently in accordance with the Rules of Procedure for the Board of Supervisors, Policy for Independent Directors, and *Self-Regulatory Guidelines for Listed Companies on the Shenzhen Stock Exchange No. 2 - Standardized Operation of Listed Companies on the Growth Enterprise Market* when attending the board of directors, the special committee of the board of directors, and the shareholders' general meeting.

The board of directors consists of **9** directors, **3** of them are independent directors.

#### Board of Supervisory

The members of the board of supervisors shall conscientiously perform their duties in accordance with the requirements of the Company's Articles of Association, Rules of Procedure for Shareholders' General Meetings and other applicable regulations, supervise major matters, related-party transactions, financial conditions, as well as the legality and compliance of the duties performed by directors and senior executives, and safeguard the legitimate rights and interests of the Company and shareholders.

The board of supervisors is composed of **3** supervisors, the chairman of the board of supervisors also serves as the employee supervisor.

## Sound Risk Management

The Company attaches great importance to preventing and resolving major risks, and strives to build a systematic, well-defined, coordinated and well-regulated risk prevention and control system, which mainly includes:



## Risk Management System

The Company has formulated a series of regulatory documents including the "Risk Prevention and Control Management Regulations", "Regulations on the Management of Early Warning, Emergency Response and Handling of Major Risks and Emergencies", "Regulations on the Management of Internal Audit Work" and "Regulation on Determination of Audit Qualification and Responsibility" to strengthen the Company's risk management and enhance its ability and level of risk prevention and control.

## Risk Management Organization

The Company has established a risk prevention and control system composed of leadership, management, execution and supervision institutions. Based on the principle of "who is in charge of the business, who approves the process and who is responsible for risk control", the Company fully implements the main responsibility for risk prevention and control and effectively manages risk prevention and control work.

JSTI Risk Prevention and Control Responsibility System

Department	Functions	Risk prevention and control responsibilities
Board of Directors	Top Leadership Department	The chairman has the highest leadership responsibility for the Company's risk prevention and control work.
Operating Management	Daily Leadership Department	The president has overall leadership responsibility for the daily risk prevention and control work, the person in charge of risk prevention and control work has sub-leadership responsibility for risk prevention and control work, and the person in charge of business has specific leadership responsibility for risk prevention and control work in the business area.
Risk Prevention and Control Work of the Centralized Management Department	Centralized Management Department	Under the leadership of the person in charge of risk prevention and control work of the Company, the head of the department is responsible for the management of the Company's risk prevention and control work.
Functional Management	Management Department	Under the leadership of the Company's divisional managers, the risk prevention and control work is managed centrally, and the department heads are responsible for the specific management of the risk prevention and control work of each functional management department.
Business Units	Executing Department	The person in charge of the business unit is directly responsible for the risk prevention and control work of this business unit, other persons in charge are directly responsible for the division, and the person in charge of the project and each business position is directly responsible for the risk prevention and control work of the project.

## Investor Relations Management

### Compliance Disclosure

The Company attaches great importance to information disclosure and timely announces the progress of major events and concerns of shareholders, fully protecting investors' right to know. In accordance with relevant laws and regulations such as the *Rules Governing the Listing of Shares on the GEM of the Shenzhen Stock Exchange*, the *Self-Regulatory Guidelines for Listed Companies on the Shenzhen Stock Exchange No. 2 - Standardized Operation of Listed Companies on the Growth Enterprise Market*, and the Articles of Association, the Company has formulated the "Information Disclosure Management System", strictly fulfilling its information disclosure obligations.



During the reporting period, the Company disclosed **4** periodic reports and **101** interim reports.

### Investor Communication

The Company has been continuously carrying out and improving its investor relations management, actively communicating with investors through various channels such as performance briefings, the Shenzhen Stock Exchange's "Interactive Easy" platform, investor consultation hotline, and the "Investor Relations" section of the Company's website, to listen to the opinions and suggestions from investors on the Company's production and operation, as well as its future development.



As of the end of the reporting period, the Company has interacted with investors for **707** times on the Shenzhen Stock Exchange's "Interactive Easy" platform, with a high response rate of **93.15%**.

### Shareholders' Benefits

The Company values the return on investment to its shareholders and strictly follows the profit distribution policy specified in the Articles of Association. In addition, to improve the Company's profit distribution policy, the board of directors formulates or revises the "Shareholder dividend return plan for the next three years" every three years. This plan prioritizes cash dividends and fully considers and listens to the opinions of shareholders (especially public investors), independent directors, and external supervisors. The plan aims to establish a sound, scientific, sustainable and stable dividend decision-making and supervision mechanism, increase the transparency and operability of profit distribution decision-making, actively return to shareholders, and fully protect their legitimate rights and interests.

During the reporting period, the Company implemented the profit distribution plan announced in 2021:

based on the latest total share capital of **1,262,827,774** shares

The Company distributed a cash dividend of **RMB 1.18** for every 10 shares to all shareholders (including taxes)

The cash dividend rate for 2022 was **29.8%**

The cumulative cash dividend rate for the past three years was **30.3%**

## Business Ethics and Integrity Culture

### Business Ethics

The Company follows the code of conduct in business, insists on fairness, honesty and consistency in all commercial activities, and requires employees to adhere to the standards of integrity and ethics set by JSTI in the business activities. The Company requires partners to sign a "Commitment Letter", and is committed to creating a transparent and honest working atmosphere and building good cooperative relationships.

The Company firmly opposes bribery and corruption, and actively builds a clean and honest corporate culture to prevent fraud. The Company has established the "Anti-Fraud Reporting Management System" and other systems, which specify the scope, requirements, handling, and rewards and punishments for reporting fraud and corruption. The Company has also established a "whistle-blowing hotline" and "integrity bulletin board" internally.

#### Anti-corruption and Integrity Training

Anti-corruption and Integrity Training Attendance **10,228** attendances      Number of Anti-corruption and Integrity Training **7** times

### Integrity Culture

JSTI always regards cherishing trust and honesty as the foundation of the Company's survival. The Company adheres to system guarantee and standardization to promote organizational integrity management; insists on people-oriented and education-oriented to cultivate the integrity concept of employees as a long-term task; and takes proactive action and encourages everyone to participate to gather positive energy for the Company's integrity construction and create a new trend of integrity among all employees.

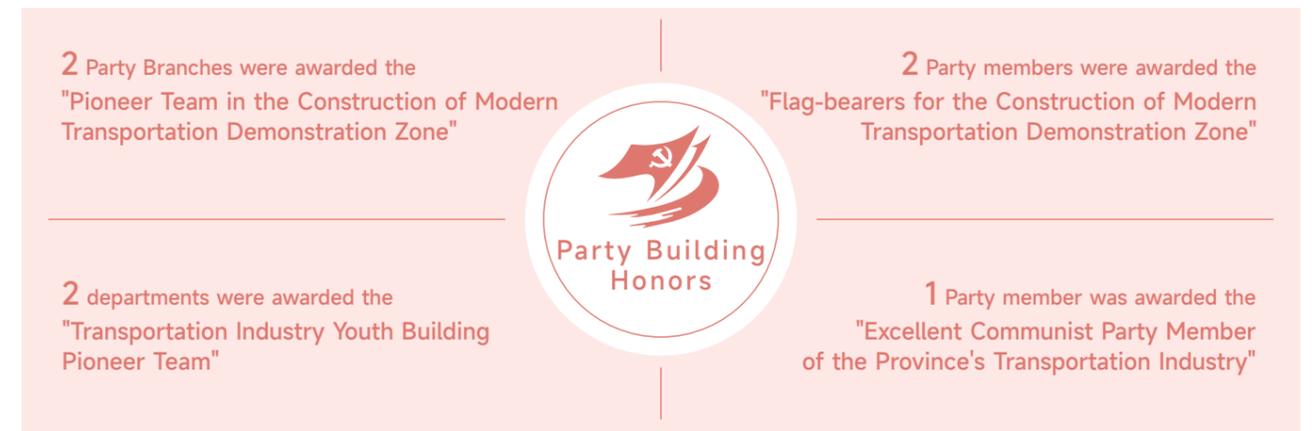
The Company organizes integrity education and training activities through the Party school and E-learning network college, such as learning maps, themed lectures, visits to exhibitions, and other activities to enhance employees' awareness of integrity in their work. The Company places a special emphasis on providing integrity education for Party members, cadres, finance personnel, safety and quality management personnel, as well as new employees. The Company also actively promotes the construction of "moral lecture halls" and educates and guides employees to form good integrity behaviors by using integrity models around them.

In January 2022, JSTI was awarded the title of "Integrity Unit in Jiangsu Province's Engineering Survey and Design Industry" by the Jiangsu Exploration And Design Association. Since its establishment, the Company has successively won many provincial and municipal honors and qualifications, including "AAA Grade Credit Consulting Enterprise in Jiangsu Province", "Jiangsu Province Transportation Industry Integrity Unit", and "Nanjing Contract-abiding and Credit-worthy Enterprise".



## Promoting the Party Building

The Company's Party Committee always adheres to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, firmly establishes the "Four Awareness" and strengthens the "Four Matters of Confidence", deeply understands the "Two Establishments" and consciously practices the "Two Upholds". The Company adheres to the overall leadership of the Party, fully implements the new development concept, follows the arrangements and deployments of higher-level Party organizations, closely focuses on the strategic goal of building a globally leading technology enterprise, and takes reform and innovation as the driving force and also takes improving the sense of gain, happiness and safety of employees as its mission. The Company continuously optimizes the Party building work system, steadily improves the quality and effectiveness of Party building work, and strives to write a new chapter in high-quality Party building to lead high-quality development.



## Organization Building

The Company's Party Committee is subordinate to the Party Committee of Jiangsu Province Transportation Industry. Under the strong leadership and support of the Provincial Party Committee of the transportation industry, the Company's Party Committee unites and leads all Party members, cadres, and employees to focus on the overall situation of the Company's operation and development. The Company's Party Committee calmly responds to risks and challenges, actively seizes development opportunities, and provides strong political guarantees for promoting the Company's high-quality development to a new level.

In 2022, the Company's Party Committee actively developed its Party members and added new Party members to the organizations. It newly developed 11 young Party members and recruited 23 active members into the Party. It also newly developed 5 members from democratic parties.

As of December 30, 2022, the Party organization of the Company was composed of 1 basic Party committee with 1 Party general branch and 27 Party branches. Among them, there are 2 local Party branches (South China Design Institute and Guangdong Branch of Testing Institute). As of that date, there are 879 Party members in the Company's Party committee, including 13 retired Party members, 13 probationary Party members, 254 female Party members, 14 minority Party members, and 791 Party members with college education or above.



## Party Building Activities

According to the unified deployment of the Company's Party Committee, various measures have been taken to promote the in-depth and solid development of the themed education, focusing on carrying out Party-building educational practice activities, effectively promoting the transformation of Party-building ideas from "energy injection" to "value output" that enhances quality and efficiency.

### Case

#### Study on the Special Topic - "Spirit of the 20th Party Congress"

The 20th National Congress of the Communist Party of China opened on 16th October 2022 at the Great Hall of the People in Beijing. The Party School of the Company organized all Party members to actively listen and watch the grand occasion of the congress. After the Congress, the Company organized a special Party lecture on "Thoroughly Implementing the Spirit of the 20th National Congress of the Communist Party of China", which provided a detailed interpretation of the content of the Congress Report, and deeply studied and understood the connotation and essence of the Congress Spirit.

<p>深入学习贯彻党的二十大精神专题课程 新时代新征程 坚持和发展中国特色社会主义的政治宣言和行动纲领(上) 宋福范 中共中央党校(国家行政学院) 党建部副部长</p> <p>新时代新征程—坚持和发展中国... 学时 1.5 学分 1.5</p>	<p>深入学习贯彻党的二十大精神专题课程 新时代新征程 坚持和发展中国特色社会主义的政治宣言和行动纲领(中) 宋福范 中共中央党校(国家行政学院) 党建部副部长</p> <p>新时代新征程—坚持和发展中国... 学时 1.5 学分 1.5</p>	<p>深入学习贯彻党的二十大精神专题课程 新时代新征程 坚持和发展中国特色社会主义的政治宣言和行动纲领(下) 宋福范 中共中央党校(国家行政学院) 党建部副部长</p> <p>新时代新征程—坚持和发展中国... 学时 1.5 学分 1.5</p>	<p>深入学习贯彻党的二十大精神专题课程 过去五年的工作和新时代十年的... 石国英 扬州师范大学马克思主义学院院长 硕士生导师</p> <p>过去五年的工作和新时代十年的... 学时 1.5 学分 1.5</p>
<p>深入学习贯彻党的二十大精神专题课程 开辟马克思主义中国化时代化新境界 唐震军 中共中央党校(国家行政学院) 马克思主义教研部教授</p> <p>开辟马克思主义中国化时代化新... 学时 2 学分 2</p>	<p>深入学习贯彻党的二十大精神专题课程 加快构建新发展格局 着力推动高质量发展 王小广 中共中央党校(国家行政学院) 经济学教研部主任</p> <p>加快构建新发展格局 着力推动高... 学时 1.5 学分 1.5</p>	<p>深入学习贯彻党的二十大精神专题课程 推进新时代党的建设新的伟大工程 孙林 中共中央党校(国家行政学院) 党建部副部长</p> <p>推进新时代党的建设新的伟大工程 学时 2 学分 2</p>	<p>深入学习贯彻党的二十大精神专题课程 学习二十大新党章 永葆党的先进性 孙林 中共中央党校(国家行政学院) 党建部副部长</p> <p>学习二十大新党章 永葆党的先进性 学时 1.5 学分 1.5</p>



## Party Building Activities at a Glance



Visiting the Red Education Base of the Dujiang Memorial Hall



Making "China" Silk Enamel Paintings



Visiting the Martyrs' Memorial at The Rain Flower Terrace



Reviewing the Party Oath and Studying the New Party Constitution



Thematic Activity of "Party and Group Building to Send Coolness"



Supporting Guangzhou Conghua Square Cabin Hospital



## Innovative Technology to Empower Development



Innovation is the driving force behind the development of enterprises. In the process of industrial innovation and development, JSTI strives to become a pioneer in the industry. The Company attaches great importance to research and development on innovation and the construction of scientific research carriers. The Company focuses on building a globally competitive research and development system and actively explores innovative development directions and models, using technological innovation to lead high-quality and sustainable development.

9 INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



11 SUSTAINABLE CITIES  
AND COMMUNITIES

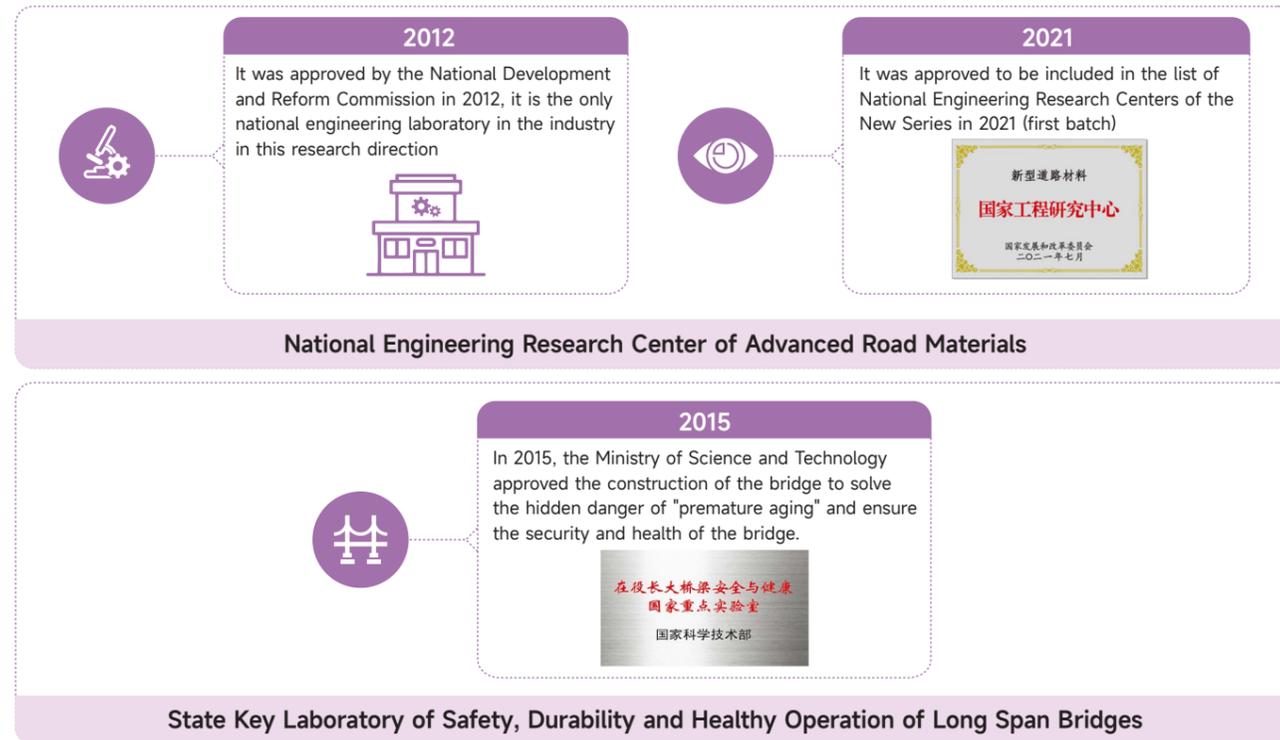


17 PARTNERSHIPS  
FOR THE GOALS



## Independent Scientific Research and Innovation

The Company adheres to independent technological innovation, and has applied for and been approved to establish two national-level scientific research platforms, namely the "National Engineering Research Center of Advanced Road Materials" and the "State Key Laboratory of Safety, Durability and Healthy Operation of Long Span Bridges". The Company also has 39 departmental and provincial-level scientific research platforms covering fields such as highways, urban rail transit, environment, energy conservation and emission reduction, water transportation, underground engineering and intelligent transportation, etc.



The Company relies on scientific research platforms to undertake a large number of national and provincial key scientific research tasks, testing, and product development. It has participated in more than 510 national and provincial scientific research projects. The Company's technological achievements have been widely used in national key projects, and it has received more than 450 national and provincial awards, and more than 700 awards for scientific research, design, and consulting achievements. In 2022, the Company was selected for the new round of innovative leading enterprises by the Jiangsu Provincial Department of Science and Technology. The Company has accumulated more than 900 national authorized patents, submitted 102 Chinese patent applications in 2022, and obtained 21 invention patent authorizations.

Strong technical talent are the solid guarantee for the Company to maintain its leading advantage in sustained technological innovation. In 2022, the Company had a total of 8,412 employees, of which 1,514 were R&D and engineering technical personnel, accounting for 18% of the total number of employees.

## Company's R&D Investments for the Past Three Years

2022	2021	2020
Amount of R&D investment (RMB' million) <b>32,663.36</b>	Amount of R&D investment (RMB' million) <b>22,922.91</b>	Amount of R&D investment (RMB' million) <b>23,776.52</b>
Proportion of R&D investment to operating revenue <b>6.25%</b>	Proportion of R&D investment to operating revenue <b>4.48%</b>	Proportion of R&D investment to operating revenue <b>4.32%</b>

## Introduction of Advanced Technology

The Company actively carries out international exchanges and cooperation, and has been awarded the title of "National Demonstration Unit for the Introduction of Intelligence" by the National Foreign Experts Bureau. The Company has introduced a full set of American SHRP, GTM and other testing equipment, involving asphalt mixture technologies such as SMA, Superpave, OGFC and improved AC. The Company boldly innovates and continuously improves advanced asphalt pavement comprehensive technologies from foreign countries, applies them to transportation businesses, which has achieved good social and economic benefits.

The Company has set the goal of improving road durability and introduced road regeneration technology in 2003. Based on this, the Company has carried out in-depth research and promoted engineering applications in various technical branches. The Company has basically solved the damage problems at the early stage such as water damage and ruts in the construction of highways, achieving the goal of "no major repair in five years". Through technology consulting services, the Company has promoted the application of its achievements and experience throughout the whole country, accelerating the improvement of the quality of highway construction.

The Company has also established strategic cooperation agreements with Cowi in Denmark, Japan Highway Public Corporation and PASCO Corporation in Japan, and German Rail Technology Research Institute, etc. These partnerships have facilitated the integration of high-end resources and had a solid foundation for the Company's sustainable development and technological breakthroughs.

## Leadership of the Industry

The Company participates in the formulation of industry standards, organizes brand conferences, and insists on improving industry standards to consolidate the Company's industry position and continuously lead and drive the development of the industry upstream and downstream.

The Company actively participates in activities organized by the highest-level associations and societies in the industry, and the Company also serves as a governing unit or executive governing unit in multiple organizations, including the China Exploration and Design Association, China Highway Exploration and Design Association, China Highway Society, Executive of China Transportation Association, and China Engineering Consulting Association, etc.

During the reporting period, the Company participated in a total of 20 national and international academic conferences in various fields such as road maintenance, bridge testing, geotechnical engineering, rail transit, environmental protection, and underground space. The Company also participated in several events such as the 2022 World Transport Convention, the 2022 China-ASEAN International Environmental Protection Exhibition, the 5th National Highway Long Bridge and Tunnel Health Monitoring and Safety Operation Seminar, the 9th Large Span Bridge Structure Damage Warning and State Evaluation Technology Seminar, the China Ecological Civilization Forum Annual Meeting - Green Transport Forum, the ASEAN - China - Japan - Korea (10+3) Industrial Chain Supply Chain Cooperation Forum and the East Asian Entrepreneur Taihu Forum.

## Intellectual Property System

The Company attaches great importance to the protection of intellectual property rights and has established a system for research and development as well as intellectual property management. The system supports the promotion of technological breakthroughs and the application and dissemination of achievements, thereby expanding the Company's leading edge in the industry. In 2022, the Company further improved the intellectual property management regulations and system structure, and also obtained the Intellectual Property Management System Certification.



Intellectual Property Management System Certification

Case

### Conducting Training on Intellectual Property Protection

With the theme of "cultivating high-value patents for key technologies of intelligent transportation infrastructure", the Company held a kick-off meeting for the project of high-value patent cultivation center in Nanjing and conducted training on patent application and patent operation and maintenance.



Case

### Research Project on "Key Technologies and Applications of Performance Monitoring, Early Warning and Control for Large-Span Bridges in Complex Wind Field Environment"

The project of "Key Technologies and Applications of Performance Monitoring, Early Warning and Control for Large-Span Bridges in Complex Wind Field Environment", led by the Company, won the first prize of the National Science and Technology Progress Award from China Communications and Transportation Association. The project took 14 years of research and practice to develop a systematic set of innovative results. The related achievements have generated direct economic benefits of nearly RMB300 million for the past three years, and have achieved significant economic and social benefits.



## Major Technological Innovation Achievements

### Health Diagnosis and Repair of Large and Long Bridges

The State Key Laboratory of Bridges established by the Company has an important position in China, and it is the "consultation room" for world-class problems in the field of safety and health of large and long bridges. The Company has made many achievements in the direction of health diagnosis and repair of large and long bridges.

The Laboratory is at the forefront of China's research in bridge health monitoring and maintenance, particularly in the areas of structural inspection and monitoring technology, condition assessment theories and methods, and abnormal event early warning for the large and long bridges. The Laboratory has developed a specialized and versatile structural regional distribution cooperative monitoring technology and established a theoretical system for monitoring and evaluating the health of the large and long bridge(s). The Laboratory's achievements have won 2 second prizes for National Science and Technology Progress Award, 2 second prizes for National Technological Invention Award, and 4 first prizes for Provincial and Ministerial Science and Technology Award.

The Laboratory has outstanding advantages in the key technology research and major engineering application of distributed sensing, service state evaluation theory and methods, and active warning in the field of health operation and maintenance of the large and long bridges, with the world's largest collection of operational data resources on the large and long bridge clusters.

### Advanced Road Materials

The Company's innovative achievements in the advanced road materials rely on the National Engineering Research Center of Advanced Road Materials. The transformation of these achievements and the technical services provided have covered 25 provinces, municipalities, and autonomous regions across China, making the Company become the leading service provider of road surface technology in the country. The Company has developed high-performance, environmentally friendly, and functional road surface materials that are at the leading level. The materials have been applied in nearly 29,000 kilometers of key engineering projects across the country, including the Shanghai-Nanjing Expressway as well as the expansion and reconstruction of the Fokai Expressway, effectively improving the quality of China's road construction. Among these innovations, the high-performance asphalt road surfaces are representative materials, and the achievements have been included in four relevant specifications, promoted and applied in 7,636 kilometers across 18 provinces in China.

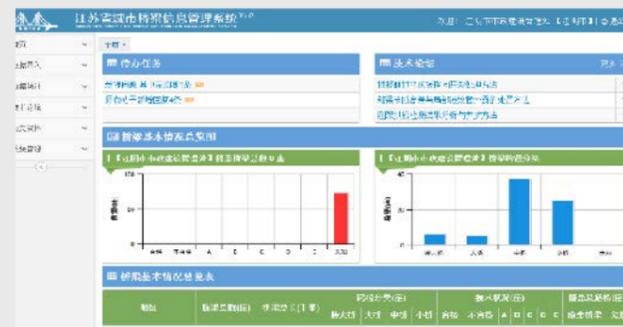
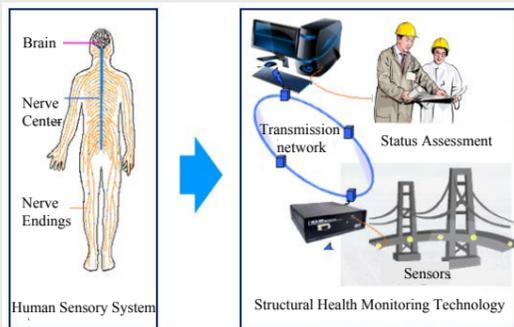
Case

### The Ecological Restoration Project of the Xining to Ganchankou Section of the S103 Highway in Qinghai Province

The demonstration project is the first to adopt the innovative management model of construction supervision, central laboratory, and technical services in Qinghai Province. It has also applied various environmentally-friendly and ecological new materials and technologies.

### Gonghe to Yushu (combined) highway in Qinghai Province

The entire project is located in the permafrost area of the Qinghai-Tibet Plateau, with an average elevation of 4,400 meters. It is the first demonstration project of asphalt pavement technology used in high-altitude and cold regions.



Bridge Health Monitoring System

City Bridge Management Information System

## Bridge Industrialization and Intelligent Construction Technology

The Company's research achievements in bridge technology mainly focus on the construction and monitoring of steel structure bridges and prefabricated assembled bridges. Regarding steel structure bridges, the Company has compiled and released the first batch of "Guidelines and General Atlas for the Promotion and Application of Steel Structure Bridges in Jiangsu Province", which is the first standardized achievement for the entire process of constructing medium-span steel bridges in China. These achievements have been included in the pilot projects of Jiangsu Province's transportation power. The Company has also developed a modular integrated assembly steel beam structure system and intelligent design methods, and built a visual detection and accurate diagnosis technology system for hidden defects, which has increased the detection efficiency by more than 100%.

On the aspect of prefabricated assembled bridges, the Company has developed a series of bridge construction systems and optimized bridge inspection methods, which provide strong support for the innovation and high-quality development of prefabricated assembled bridge structural systems.

## Transportation Informationalized Products

Following the new requirements of building a strong transportation country and establishing a new era transportation technological innovation system, the Company focuses on the construction of smart highways and conducts research and innovation work through cross-border integration. The Company continues promoting the integration of new technologies and the traditional transportation industry, and using the digital twin foundation to empower the digital management of infrastructure, multiple data aggregation to empower intelligent traffic operation centers, big data analysis technology to empower comprehensive traffic law enforcement, and digital technology to empower new models of smart traffic command.

### Case

#### The Research Results of "Research and Engineering Demonstration of Smart Highway Construction System in Jiangsu Province" Have Reached The International Advanced Level

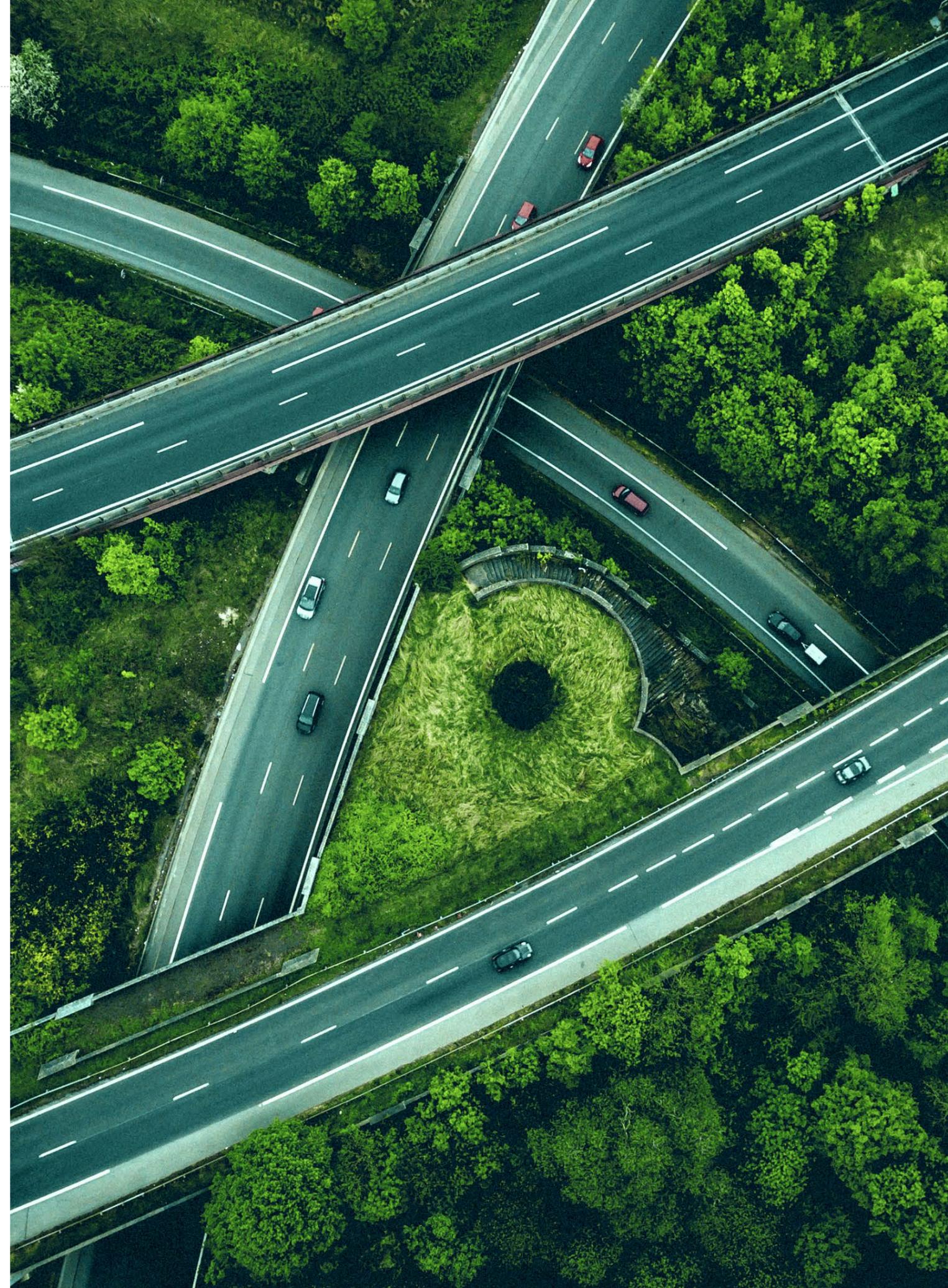
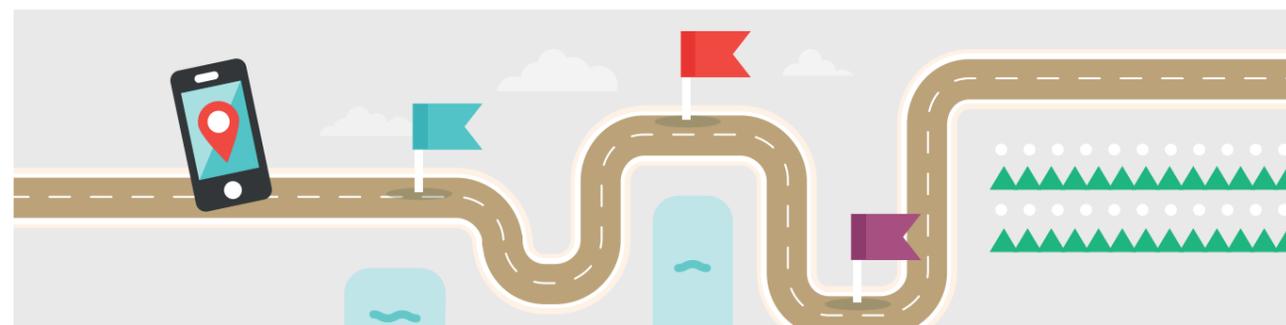
The research project "Research and Engineering Demonstration of Smart Highway Construction System in Jiangsu Province", led by the Intelligent Traffic Design Research Institute of the Company's Traffic Science Research Institute, has been recognized as achieving an international advanced level at the technology achievement evaluation meeting organized by the Jiangsu Comprehensive Transportation Society. This is the first systematic research and practical exploration of smart highways for ordinary national and provincial roads in China. The application of project achievements has generated economic benefits of more than RMB200 million so far.



Three Digital Twin Platform Demonstration



In-vehicle Virtual Signal Application Demonstrations





## Focusing on Service to Achieve Mutual Benefits



JSTI adheres to the mission of continuous innovation for customer value, emphasizes understanding the customer's perspective, strives to commitments to customers, and pursues efficiency and benefits while focusing on quality control, in order to create value for customers.



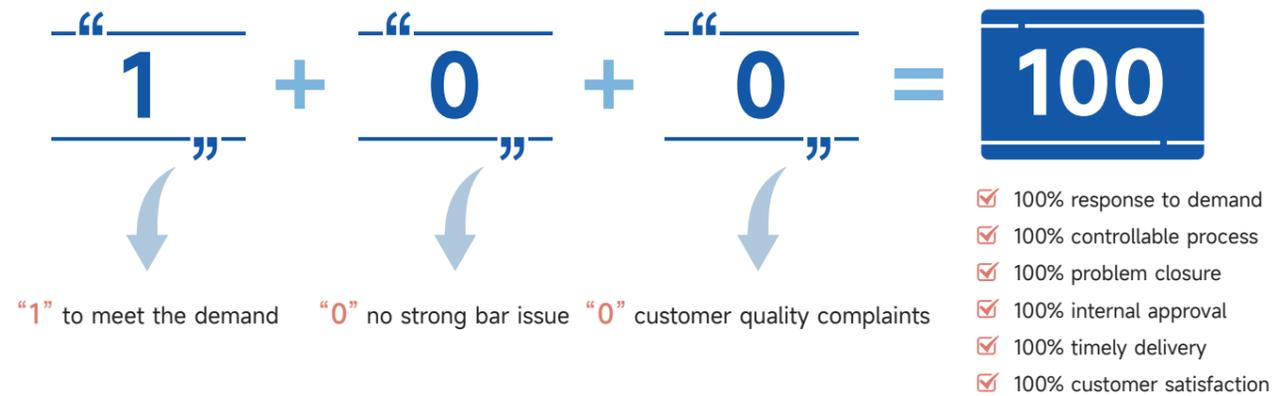
## Pursuing Excellent Quality

The Company adopts an excellent performance management model to carry out various management works, and emphasizes the resolution of customers' quality concerns about the Company's products, services and operations. Through management systems and technological research and development, the Company ensures high-quality products and services provided to the customers and public.

After self-reflection and improvement, the Company has developed a quality management mode of "innovation-driven, continuous improvement and high-end leadership". The Company will continue to advance on the path of pursuing excellence in development and contribute to building a model of a quality engineering for a strong transportation country.



The Company upholds the concept of "technology reflects dignity" and implements comprehensive quality management with a goal of "100 points" in the design and consulting processes.



The Company strictly controls the quality of projects from planning, procurement, field investigation, input, scheme design, production, result review, delivery, technical disclosure, to after-sales service. Quality meetings are held regularly every month, and customer satisfaction surveys are conducted every year to ensure the high quality of products and services by closely monitoring the production process.

### Regulations on Product Production Process Management

No.	Document Name
1	2022 Management Manual
2	Penalty Provisions for Quality Problems
3	Regulations on Customer-provided Product Management
4	Regulations on Design Process Management
5	Regulations on Structure Monitoring Process Management
6	Regulations on Consulting Process Management
7	Regulations on Research Process Management
8	Regulations on Planning Process Management
9	Regulations on Standardization of Professional Technology Management
10	Regulations on Quality Management Team Activity Management
11	Regulations on Technical Documents and Report Preparation
12	Regulations on Delivery Management
13	Regulations on the Management of Professional Qualifications of Technical Personnel
14	Regulations on Quality Inspection and Assessment Management
15	Regulations on Quality Control of Engineering Inspection
16	Regulations on the Preparation of Engineering Inspection Work Outline
17	Regulations on the Management of Field Investigations (Research)
18	Regulations on Quality Control of Engineering Surveying
19	Regulations on Environmental Impact Assessment Process Management
20	Regulations on Technical Service Management

The Company focuses on building intelligent production platforms (D platform and T platform). D platform is a production platform for design consulting business, optimizing knowledge management system and unifying design tools. In 2021, D platform achieved the online launch of 2D intelligent collaboration, it will gradually launch 3D intelligent collaboration in the future. With the vision of "Building a Comprehensive Third-Party Testing Platform with Infrastructure Industry Testing as Core", T platform has been launched for internal use, it will gradually be promoted as an industry empowerment application platform in the future.

In 2018, JSTI participated in the compilation of the first domestic "Grading Certification Requirements and Evaluation Criteria for Quality Management System of Engineering Survey and Design Industry Organizations" (RB/T 100-2018), which was based on the core of excellent performance evaluation standards. It was also one of the first pilot practice standards to be implemented and received the highest level certificate, the "Certificate of the Upgraded AAA Grade Quality Management System for Engineering Survey and Design Industry", providing a reference for peer enterprises in the inspection and design industry.



Certificate of Upgraded AAA+ Grade Quality Management System Certification

## Strengthening Customer and Market Management

Customer demand is a key factor in the implementation of the Company's strategic management plan. While achieving spanning development, the Company insists on customer-oriented development, segmenting the market and identifying target markets based on the customer demand for products and services, and emphasizing branding, technology and business innovation around customer demand.

### Customer Identification and Demand Analysis

The Company has always been committed to providing customers with high-quality and one-stop comprehensive professional service solutions, business and customer areas involving highways, municipalities, water transportation, railroads, urban railways, the environment, aviation and water conservancy, construction, electric power and other industries, the market layout covers several overseas markets in many regions and 31 provinces, autonomous regions and municipalities directly under the Central Government of China. According to the region, industry, customer attributes and customer demands, the Company has formed a diversified customer group image and built a systematic customer management system through the three-level structure of region - marketing center - office. The Company focuses on the demands and difficulties of each customer group, and through the discussion of each business school and academic committee, the Company produces a demand list of product research and development, which leads the Company to continuous product innovation and development to fulfill the mission of "continuous innovation for customer value".

Company Market Customer Base			
Market Areas	Provinces	Type of Customer	Customer Groups
Jiangsu Center	Jiangsu, Anhui	Road industry customers	Central Enterprise Customers Platform Customers Provincial Customers Local and Municipal Customers Government Customers Enterprise Customers
Beijing Center	Beijing	Municipal industry customers	
Guangdong Center	Guangdong	Urban rail industry customers	
Eastern China Regional Center	Zhejiang, Jiangxi, Shandong, Hunan, Shanghai	Water transport industry customers	
Northern China Regional Center	Hebei, Henan, Shanxi, Inner Mongolia, Heilongjiang, Jilin, Liaoning, Tianjin	Railroad industry	
Southern China Regional Center	Fujian, Hainan, Guangxi	Environmental customers	
Northwest Regional Center	Shaanxi, Qinghai, Gansu, Xinjiang, Ningxia, Tibet	Airline industry customers	
Southwest Regional Center	Sichuan, Chongqing, Guizhou, Yunnan, Hubei	Construction industry customers	
Overseas Region	—	Other customers	
Overseas Region	—	Overseas customers	

Three Categories of Customer Demands Focus			
Customers	Customers' Characteristics	Service Content	Customers' Demand Characteristics
The first type of customers	Basically government investment projects, with larger scale and more stable business	Planning and feasibility study, survey and design, testing and supervision of highways, national and provincial highways, municipal roads, subways, etc.	High demand for technology, product quality and duration of the project
The second type of customers	The Company's new business, mainly focused on the environment, overseas businesses	Environmental testing, impact assessment, overseas consulting services	Higher requirements for Company competence, technical level and overall delivery capability
The third type of customers	Basically government investment projects with small project scale	Survey and design of rural roads, park roads, urban roads, etc.	The requirements for technology are not as high as those of the first type of customers, but the requirements for project cost and duration are higher

### Hong Kong-Zhuhai-Macao Bridge Testing and Inspection Center

- The most technically complex and highest standard project in the history of China's transportation construction.
- The world's longest bridge-tunnel combination highway across the sea.



### The Yangtze River Nanjing to Downstream 12.5-meter Deepwater Channel Project

- A national key inland waterway project, setting a precedent for national key waterway projects, and introducing third-party inspection for the first time.



The Company participated in 8 projects that were awarded the "2021 Jiangsu Province Safe and Hundred-Year Quality Construction Demonstration and Compliance Project".



The Company won the "2022 Jiangsu Governor Quality Award" and became one of the ten enterprises to receive the award. It is the first enterprise in the transportation sector of Jiangsu Province to obtain this honor.

## Customer Relationship Management

The Company continuously empowers customer relationship management with digital CRM management system, establishes a comprehensive customer knowledge base, systematizes and standardizes customer relationship management, and cooperates with customers for mutual assistance and common development.

For the new customers, the Company uses the analysis results of its own market analysis team on traditional and emerging markets as the basis to lay out target markets and target customers, to establish cooperation by means of brand promotion, brand activities and direct visits, etc., the Company combines with pre-project development and tracking management to further strengthen long-term customer relationships. For the key customers, the Company establishes customer information files, clarifies the frequency of customer communication to timely understand and analyze customer's difficulties and business needs, and formulates targeted business plans and feedback programs to fully meet customer's demands and provide quality products to the customers.

## Customer Satisfaction & Complaint Management

The Company establishes customer satisfaction management system and customer complaint management system, continues deepening the concept of "customer demand-oriented", and pays attention to customer feedback and opinions on the Company's product quality and service level.

### Customer Satisfaction Management System

**Customer satisfaction management target:** In order to become the excellent model in the industry, we set up annual customer satisfaction management target, formulate supporting assessment mechanism and clarify satisfaction management system.

**Customer satisfaction survey:** Daily survey, third-party survey, SMS survey and telephone survey are conducted at different stages of all running projects of the Company, different survey templates are used for different business types and different levels of customers. We use the results of the survey to measure customer satisfaction evaluation through different proportions of quality, progress and service, achieving the whole life cycle survey and management of project satisfaction.

**Customer Satisfaction Evaluation:** A quarterly satisfaction analysis report is formed on the basis of the satisfaction score for the results of the project survey. In order to analyze the reasons behind the problems and propose improvement measures, the marketing center need to follow up the progress of improvement every month.

**Regular return visits to evaluate and measure customer satisfaction:** The market center makes an annual inspection plan in March of every year, and the Company's leaders, vice president, operation center and finance center jointly participate in customer return visits, visit and exchange regional key customers and key projects as well as the projects with customer complaints, summarize and analyze work experience, and improve product quality and service level.

**Regularly optimize customer satisfaction management methods and continuously optimize the survey methods and evaluation methods of the Company's customer satisfaction:** the Company continuously optimizes the satisfaction survey model and increases the frequency of return visit requirements based on customer satisfaction management reports, etc., and regularly hires third-party organizations to conduct satisfaction management reviews every year to ensure that the Company responds to customer needs and adapts to market changes in a timely manner.

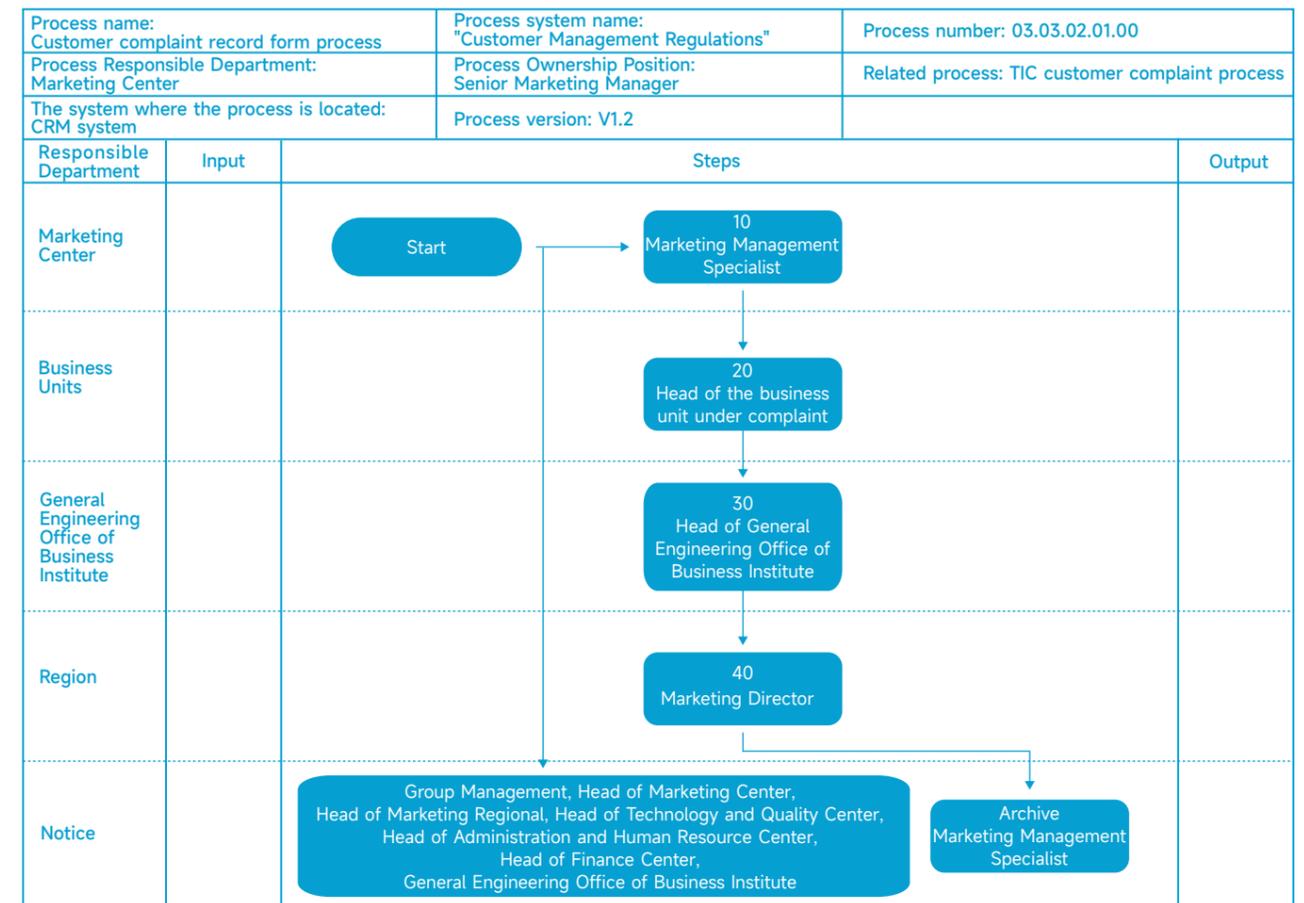
### Customer Complaint Management System

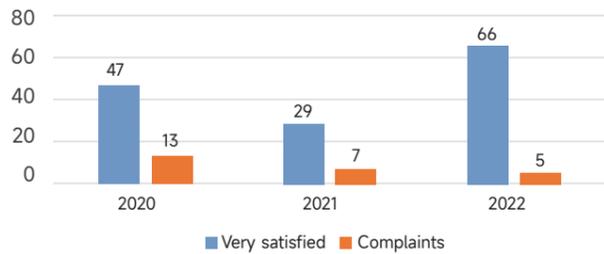
**Set up diversified customer complaint channels:** The Company has set up six regional centers covering 31 provinces across the country to ensure that customer complaints are handled in a timely manner. We obtain customers' feedback or suggestions through visits and exchanges, SMS surveys, telephone surveys, the Company's 400 complaint phone number, faxes, etc.

**Customer complaint management:** The Company understands and collects customer complaint information and product service through CRM system, and the market center analyzes and confirms the causes of the problems within 24 hours in working days regarding customer feedback matters, and classifies and formulates improvement plans and solutions. Business departments complete improvement measures and make improvements within 3 working days, and the marketing center works with the operation center and regional center to verify the results, supervise the implementation of optimization programs in place and continuously follow up to ensure that customer complaints are resolved.

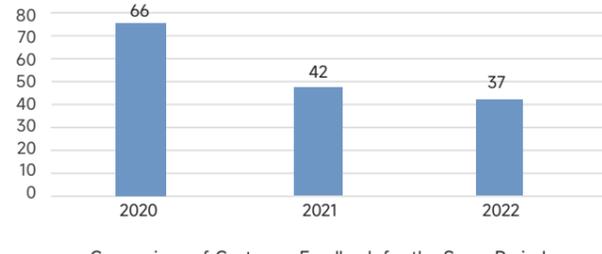
**Regular optimization of customer complaint management methods:** The Company regularly analyzes and discusses the practicality and effectiveness of the customer relationship management system in marketing regional summary meetings and annual work meetings, summarizes the maintenance and improvement methods, and continuously improves customer complaint management.

Customer Feedback and Complaint Handling Flow Chart

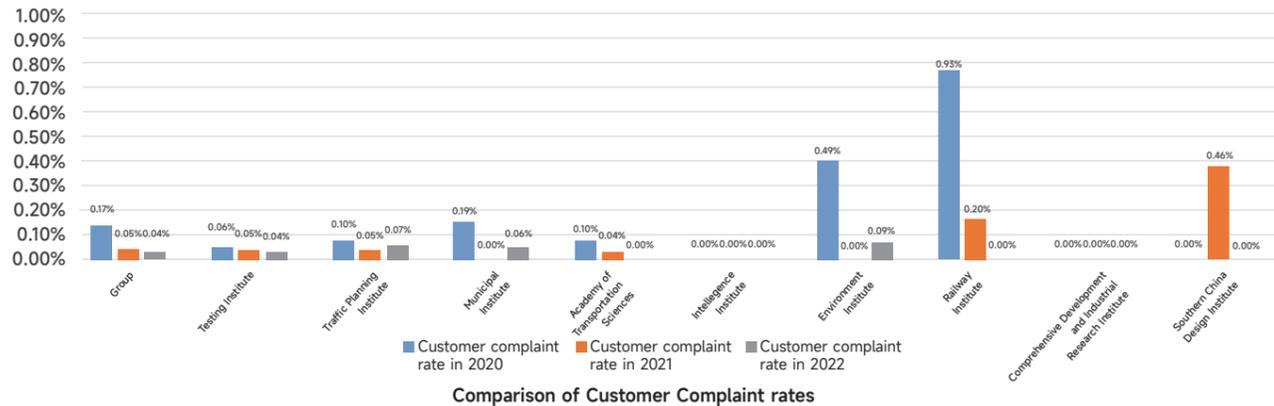




Comparison of Customer Satisfaction Indicators for the Same Period



Comparison of Customer Feedback for the Same Period



Comparison of Customer Complaint rates

The Company is initiate in China to develop the management mode of central laboratory to promote the transformation of quality assurance system in domestic engineering construction field. The Company creatively adopts the mode of "5% of central laboratory + 20% of supervision entrusted testing" and the mode of "testing and inspection + quality consulting", forming a more efficient management and cost-saving quality management system.

## Multi-strategic Cooperation

The Company continues to strengthen its interaction and cooperation with all parties, actively building a comprehensive industry think tank, gathering authoritative insights, and jointly promoting the development of the transportation economy, infrastructure construction, and engineering consulting industries.

The Company aims to innovate and conduct cutting-edge research in the field of highway operation management under new circumstances, deeply explores the economic value of road networks, integrates various resources and promotes comprehensive strategic cooperation. The Company continues to deepen its cooperation with various parties in areas such as maintenance management models, green and intelligent highways and industrial development, to promote high-quality construction and precise traffic diversion of highways, and jointly outline the blueprint for industry construction.

### Case

#### Collaborative construction of the highway industry to tap the value of the road economy



Agreement on a strategic partnership with China State Construction International Asset Management Co., Ltd.



Agreement on a strategic partnership with Heilongjiang Transportation Investment Group Co., Ltd.



Agreement on a strategic partnership with Jiansu Expressway Operation & Management Association

The Company strengthens the linkage with multiple parties and complements with each other, to achieve strategic cooperation and establish a joint innovation center to provide new ideas and technologies for the infrastructure industry.

### Case

#### Cooperations with multiple parties to promote the development of infrastructure industry.



Agreement on a strategic cooperation with Nanjing Port Harbor Engineering Co., Ltd. to contribute to the construction of port and shipping infrastructure.



The "National Engineering Research Center of Advanced Road Materials Asphalt Material Research Center" has been jointly established with Jiangsu Communications Holding Co., Ltd.



Establishment of the Smart Bridge and Tunnel Joint Innovation Center with Wuxi Municipal and Garden Bureau and Huawei Technologies Co., Ltd. to implement the construction of urban lifeline safety work.



Jointly establishment of the Jiangsu Urban Rail Transit Operation Safety Technology Research Center with Jiangsu Provincial Government departments and relevant enterprises.



Jointly establishment of the "Transportation Modernization Research Center" with the Jiangsu Provincial Committee of China Democratic League.

The Company actively promotes school-enterprise integration, industry-education integration, to enhance cooperation with major universities, make concerted efforts to cultivate high-quality and comprehensive transportation talents, and solidly promote the implementation of innovative topics.

**Case**

**School-enterprise cooperation to create the future together**

The Company has reached cooperation agreements with Southeast University, Nanjing Tech University, and Wuxi Institute of Communications Technology. The Company provides project research funding while the universities provide research teams and technical support to jointly establish several technology research centers in the transportation industry. The research centers focus on the three major aspects of the construction of a strong transportation country, industry development trends and business cultivation needs, and carry out cooperation in technology research and development and transformation of results in terms of intelligent, green and shared transportation.



Collaboration with Southeast University to establish SEU-JSTI Science and Technology Transportation Innovation Joint Research Center

**Promoting Responsible Supply**

The Company strictly follows the *Government Procurement Law of the People's Republic of China* and the *Tender Bidding Law of the People's Republic of China* and other laws and regulations, continuously optimizes the supplier access standards and improves the level of supplier management in order to standardize the Company's procurement management activities and work together with suppliers for mutual benefit and development.

The Company continues to promote responsible procurement, supplier access must sign the "Supplier Entry Commitment", develop supplier evaluation dimensions to promote integrity procurement, pay close attention to the supplier's law-abiding operation and fulfill social responsibility, and improve the procurement contract template, to add clauses on the occupational health protection and safety production and anti-bribery to actively promote the supplier's law-abiding operation, fulfill social responsibility, and prevent and control supply risks.

**Supplier Evaluation Dimensions of JSTI**

<b>Class A suppliers</b>	Evaluation results of 90-100 points are rated as excellent, the Company may increase the procurement volume;
<b>Class B suppliers</b>	Evaluation results of 80-89 points are rated as good, the Company may assist the supplier to become an excellent supplier according to the supplier's wishes;
<b>Class C suppliers</b>	Evaluation result of 60-79 points are rated as qualified, the procurement authority requests the C-type supplier to rectify its deficient parts, and the supplier evaluation team confirms the rectification situation and decides whether to purchase from it or reduce the procurement volume;
<b>Class D suppliers</b>	Evaluation results below 60 points are assessed as unqualified and they will not be considered by the Company.



The Company actively promotes green-oriented procurement and is committed to practicing sustainable development together with its suppliers and customers. When setting the access criteria for suppliers and products, the Company tends to select socially responsible enterprises and products with better performance in terms of both quality and social benefits, and focuses on selecting products with environmental protection, low-carbon and recyclable characteristics to help green and sustainable development. The Company achieved 1,856 electronic certified suppliers on the industry's leading third-party platform and signed 865 electronic contracts.



Visiting the top property company



2022 Publicity Meeting on Supplier Management Regulations

**Domestic Suppliers' Regional Distribution**

Eastern China Region	916	Northern China Region	147	Central China Region	116
Northeast China Region	14	Northwest China Region	133	Southwest China Region	268
		Southern China Region	320		

**Review on Suppliers**

Suppliers with quality management system certification	67
Suppliers with environmental management system certification	10
Suppliers with occupational health and safety management system certification	10
Suppliers whose cooperation has been suspended due to non-compliance	4

**Key Performance**

In 2022, JSTI had **100%** audit rate on supplier, **100%** quality, environment and occupational health and safety management system certification rate for key product suppliers/subcontractors, **100%** responsible procurement rate and **98%** green-oriented procurement rate.



## Recruitment and Value-Sharing



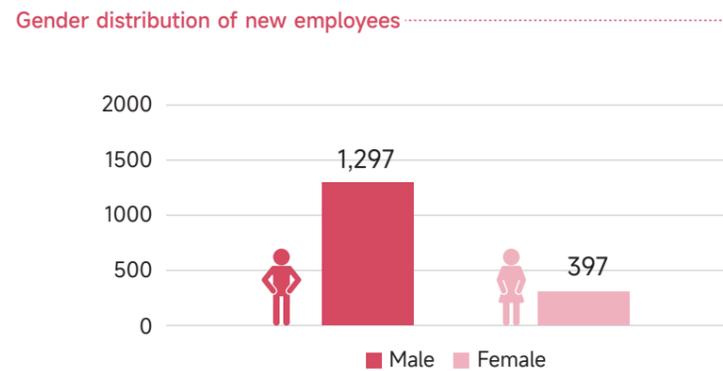
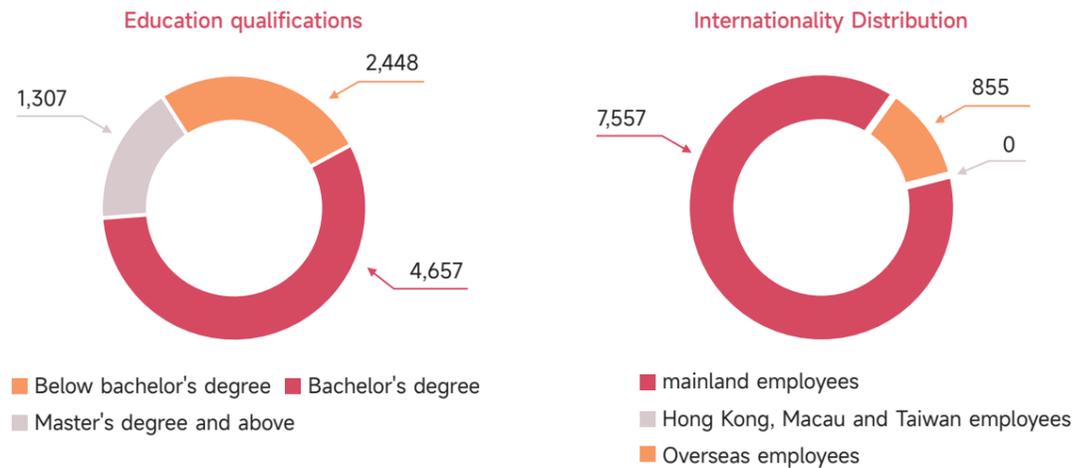
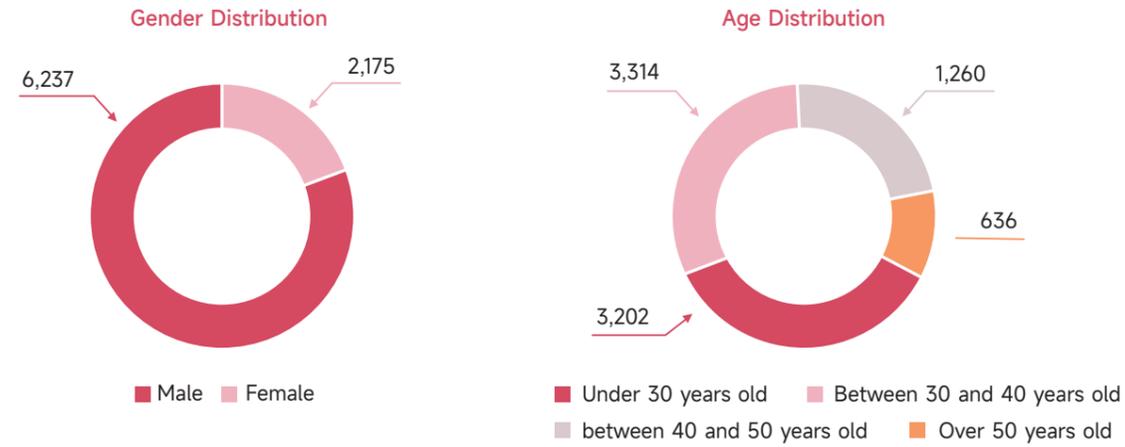
As an enterprise with technology and innovation as its core competitiveness, we know that talent is one of the critical resources for JSTI's technical progress and management innovation, and the first productive force for project success, customer satisfaction, brand expansion and sustainable and high-speed growth. JSTI attaches importance to reasonable introduction and allocation of talents, smooth development and promotion for employees, protect the legitimate interests of employees, unite all members in the organization into a harmonious and unified value community, and share the benefits of JSTI's business development together.



## Talent Recruitment and Retention

JSTI values the competence and capabilities of our employees, respects different races, colors, religions, genders and legal beliefs, and adopts a strict recruitment process to hire talents equally in accordance with the recruitment management system.

### Employee Structure



In terms of school recruitment, the Company has conducted many campus seminars in accordance with the "14th Five-Year Plan for the Development of Social Organizations" (Minfa [2021] No. 78) and the requirements of the "Notice of the General Office of the State Council on Further Improving the Employment and Entrepreneurship Work of College Graduates and Other Youth" (Guobanfa [2022] No. 13) providing the fresh graduates with employment opportunities.



Campus Recruitment Seminar

We adhere to the strivers-oriented principle, attach importance to the contribution of employees' process and results, and give significant rewards to employees who overachieve and have significant innovations. At the same time, the Company strives to maintain the market competitiveness of the salary level of middle and senior employees, and gradually improve the salary level of middle and junior employees to create attractive employment conditions.



## Protection of Employees' Rights and Interests

JSTI insists on people-oriented, pays attention to the protection of employees' rights and interests, strictly abides by the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China* and other relevant laws and regulations, and formulates the "Regulations on Employee Labor Contract Management", the "Employee Handbook", the "Recruitment Management Regulations" and other policies, which are related regulations on employees' recruitment, promotion, resignation and salary and benefits, so as to put the protection into practice.



### Key Performance

During the reporting period, the Company had a **100%** labor contract signing rate, **100%** social insurance coverage, annual paid leave days of **7.25** per capita, **100%** return to work from maternity leave, and total welfare expenses of **RMB43,643,035.94**.

## Democratic Rights

The Company protects the democratic rights of its employees from different perspectives.

In terms of communication channels, according to the *Labor Union Law of the People's Republic of China* and relevant laws and regulations, combined with the actual situation of the Company, a system of "Labor Union Management Regulations" has been established to actively listen to the opinions and requirements from employees through the Labor Union Member Representative Meeting and the Employee Representative Meeting, to provide a good communication channel for ordinary employees to participate in the affairs of the Company.

In terms of employee supervision, the Company has established a system for the selection and appointment of employee supervisors, and selects an employee supervisor in the supervisory board to supervise the production and management activities of the Board of Directors and the management of the Company on behalf of all employees, so as to guarantee the right of employees to participate in management and motivate employees.

In terms of employee satisfaction, the Company identifies critical factors that determine employee satisfaction and motivation, and measures and improves employee satisfaction on a regular basis.

### (1) Identify the key factors that affect employee motivation and satisfaction

From its own practical point of view, combined with the requirements of national laws and regulations, the Company attaches importance to understanding the key factors affecting employees' rights, satisfaction and motivation from different channels and perspectives, and pays attention to the impact of these factors on employees.

Category	Key Factors	Possible Impacts
Senior Management	Job fulfillment	Impact on mission
	Career Development	Hindered development and employee turnover
Middle Management	Organizational Culture	Impact on teamwork motivation
	Incentive mechanism	Impact on performance and morale
Supervisory level managers	Incentive mechanism	Impact on performance and morale
	Career Development	Hindered development, employee turnover
	Team Atmosphere	Impact on team cohesiveness
Professional and technical employees	Training and Learning Opportunities	Lack of passion
	Career Development	Employee turnover
	Salary and Income	Impact on motivation, employee turnover
Front-line operators	Welfare Package	Employee turnover
	Logistics	Complaining
	Working Environment	Employee turnover

### (2) Employee satisfaction surveys

At least once a year, the Company's administration and human resources center conducts a satisfaction survey of employees through the Gallup Q12 internal "questionnaire" assessment, which is an international tool. In addition, we invite employee representatives from different departments and different professions to participate in the survey by using discussion, interview and questionnaire to ensure the universality, representativeness and fairness of the surveys.

In addition, the Company has set up a chairman's mailbox to build a channel for communication and interaction between the senior management and employees.

### Key Performance

In 2022, the Company held **2** employee representative Meetings and approved **2** matters.



## Privacy Protection

Employee privacy protection is the cornerstone of the mutual trust relationship between the Company and its employees. Based on relevant laws and regulations, the Company has established a strict employee privacy protection system, including confidentiality agreement, information protection system, data security management system, etc. In terms of personnel management, the Company ensures that employees' personal information and privacy are managed legally, compliantly and strictly. In terms of IT system construction, the Company has adopted strict information security safeguards to ensure the security and confidentiality of the Company and employees' private information.

At the same time, the Company also conducted a full training on employee privacy protection to enhance employees' awareness of personal privacy protection and confidentiality, and improve the level of privacy protection for the employees.

## Employee Care and Welfare

### Basic Welfare

The Company always regards employees as an indispensable and important element for the development of the Company, and constantly improves the employee welfare system to enhance the motivation of employees. After new employees join the Company, the Company will pay social insurance for them in the same month and housing fund in the following month; meanwhile the Company has a labor union which is responsible for staff work and gives timely care and protection to employees.

	<b>Insurance</b>	The Company provides comprehensive welfare insurance for employees and their families.
	<b>Paid leave</b>	Employees can enjoy paid annual leave, sick leave, wedding leave, maternity leave, paternity leave, bereavement leave and other paid leave.
	<b>Health check-ups</b>	Employees are provided with a free health check-up once a year.
	<b>Holiday benefits</b>	The Company will issue gifts or cash rewards on holidays to make employees feel care and attention.
	<b>Employee condolences</b>	Provide sympathy and condolence money in case of employee's injury or illness; Provide condolence money and vehicle assistance in case of death of employees and their immediate family members (parents, spouse and children).

### Care for Women

The Company respects the value of women, protects women's rights and interests, and is committed to creating an open and inclusive work environment for women so that they can also fully display their talents in the workplace. Specific measures are as follows:

<b>1. Health care</b>	The Company regularly invites professional doctors to the Company to carry out women's health consultation, health knowledge lectures, and provide services such as medical examination report interpretation and shoulder and neck relaxation massage.
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### 2. Working Environment



The Company is committed to creating a fair and harmonious working environment where any form of sexual harassment and discrimination is prohibited. In addition, the Company also provides special comfortable facilities in the female employee lounge and mother and baby room.

### 3. Legal rights and interests



Female employees are entitled to have the maternity leave according to the law; the Company has set up a female employees committee to voice out on behalf of female employees and enhance their sense of security.

### 4. Career development



The Company attaches importance to the career development of female employees, providing them with professional training and promotion opportunities to encourage them to achieve a sense of self-worth in the workplace.

## Case

### Listen to the wisdom of life and be a happy woman - JSTI successfully held the 2022 annual event for female employees

On July 2, 2022, a training course on "Wise Woman, Happy Life" was held in Qinglian Hall of Garden Hotel Suzhou, where female workers from the Company and the organ labor union and female volunteers of 2022 Anti-Epidemic gathered to listen to the wisdom of life and be a woman of JSTI.

The course focused on the work and life stress of female workers, and invited senior trainers in counseling and EAP executives to teach them how to regulate their emotions.



## Case

### Cultivate both inner and outer beauty, learn the art of beauty

On March 8, 2022, the Company launched the course of "Cultivating Both Inner and Outer Beauty: A Must for Glamorous Woman", inviting experts to provide professional guidance on the spiritual growth, work-life balance, health management, and image and temperament of career women.



## Case

### The theme of "Gathering Women's Power" public welfare donation campaign was successfully launched

In order to spread the charity culture and promote the spirit of women's public welfare, from March 8 to 10, 2022, JSTI carried out a public welfare donation activity with the theme of "Gathering Women's Power".



## Care for Retired Employees

The Company cares about the retired employees, holds regular seminars for retired employees every year, reports the work situation to the retired employees and listens carefully to the opinions and suggestions from the retired employees.

### Case

#### 2022 New Year's seminar for retired employees of the Company was successfully held

On the morning of January 25, the New Year's seminar for Retired Employees in 2022 was held in Nanjing Design Center of JSTI. 22 retired comrades gathered together to review the history and to discuss the recent development of JSTI. During the meeting, the chairman, vice chairman and representatives of retired employees delivered speeches and expressed their good wishes for the Company.



## Employee Activities

The Company pays attention to the physical and mental health of employees, carries out a variety of recreational activities, creates soccer association, basketball association, badminton association, yoga association and other organizations, help to achieve a balance between work and life of employees, and enhance the happiness of employees and sense of belonging.

### Case

#### Mid-autumn Camping Activity

On September 3, 2022, the Company carried out a Mid-Autumn Festival camping activity, prepared gifts for employees and planned game competitions, and a total of 100 employees gathered to celebrate the Mid-Autumn Festival.



### Case

#### Participation in various cultural and sports activities held by provincial organs

In the 2022 provincial organs badminton and table tennis selection tournament sponsored by the Trade Unions of Direct Administered Organs of Jiangsu Provincial Department of Transportation, JSTI won the first place of women's singles in the youth group, the first place of mixed doubles in the youth group and the second place of men's doubles in the middle-aged group. In the table tennis selection tournament, the Company won the first place of women's singles in the youth group, the second place of mixed doubles group and the third place of men's singles in the youth group.



In the "Welcome the 20th National Congress, Fitness for Health" series of fitness competitions held by provincial organs labor unions, the Company organized for staff tug-of-war team and won the honor of excellent organization group.

### Case

#### Various Association Activities

The Company has a variety of association activities, employees can choose the appropriate association according to their interests, and participate in daily training, competition and other activities.



### Case

#### Holding the flag of the strivers - Company executives condoled with front-line employees

In 2022, by combining cultural promotion, front-line comfort and epidemic prevention and control protection, the Company planned the "Holding the Flag of Strivers" campaign, in which the management of the Company went across the country to comfort employees working in front-line positions, covering more than 50 cities in total and comforting more than 2,000 front-line strivers to put employee care into practice.



# Employee Training and Development

## Employee Training

In order to meet the development requirements of individual employees and the enterprise as a whole, JSTI established the first enterprise school of traffic engineering consulting enterprises - Fangshan Training Center, with the aim of spreading the core values and challenges of JSTI, and helping the strivers to climb the career peak quickly.



### (1) Course Structure of Fangshan Training Center

Fangshan Training Center has made an overall planning in terms of strategic position and development. By combining the concepts of training and development, school-enterprise cooperation and industry service integration, the Company has built the overall framework of the three cores of JSTI training and development, cooperation and service, and Party school.



### (2) Brand Cultivation Projects

#### Specialized training program: "Sailing Program" new employee training camp



In July 2022, the 20th training camp carried out a 10-day training for new employees at the training camp site. The training successfully started the new employees' journey of strivers with corporate culture power, business general knowledge, job competence and professionalism literacy as the core of the training, helping the new employees to gain insight into the whole picture of business and explore the knowledge of practice.



#### Specialized training program: "Voyage Program" project manager training program



In 2022, a total of 7 training courses and 9 evaluation sessions were conducted for project manager training of the Voyage Program, with 619 participants and 389 participants completing the defense and evaluation to successfully complete the training.



#### Specialized training program: "Navigator Program" management cadre training program



The "Navigator Program", which is a special talent training project for core management cadres to develop their leadership, is the core component of JSTI's talent construction strategy.

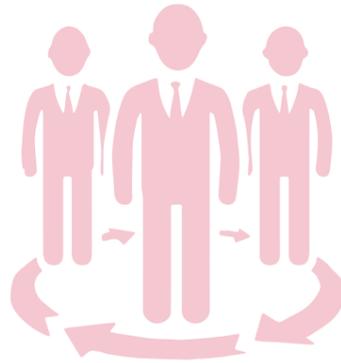
In 2022, the Navigator Program | Executive Coaching Program, under the leadership of Chief Coach President Zhu Xiaoning, 51 students in 8 classes improved their knowledge and capabilities through 5 learning stages.



Brand Building: Fangshan Forum, Lecturer Talk, JSTI Study Room, Lecturer Talk, JSTI Study Room



Internal and external instructors teach practical cases around organizational innovation development and change, focusing on the practicality.



We carry out a series of courses such as "Hundred Best Lectures" and "Project Managers Talk" to deliver technical experience and share best practices to spread the implicit experience explicitly.

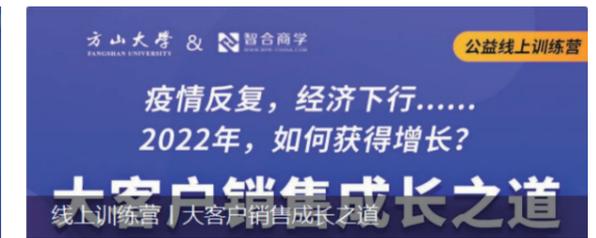


JSTI Self-Study Room started its second season in 2022 with a total of 35 selected and customized courses.



(3) Learning Platform Construction

We establish a mobile learning platform to promote fragmented learning among employees. The online learning platform covers all employees, with a total of more than 3,200 courses, of which 596 internal courses. There were 63,862 total learning visits during the period of 2022, with an average of 375 people logging in per day and a learning duration of 41 hours per capita.



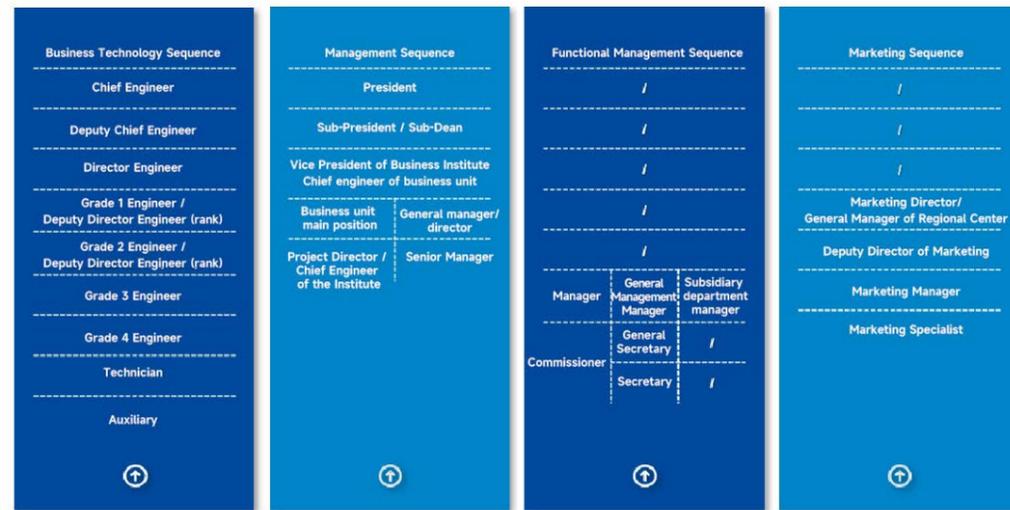
## Employee Development and Promotion

### (1) Employee Development

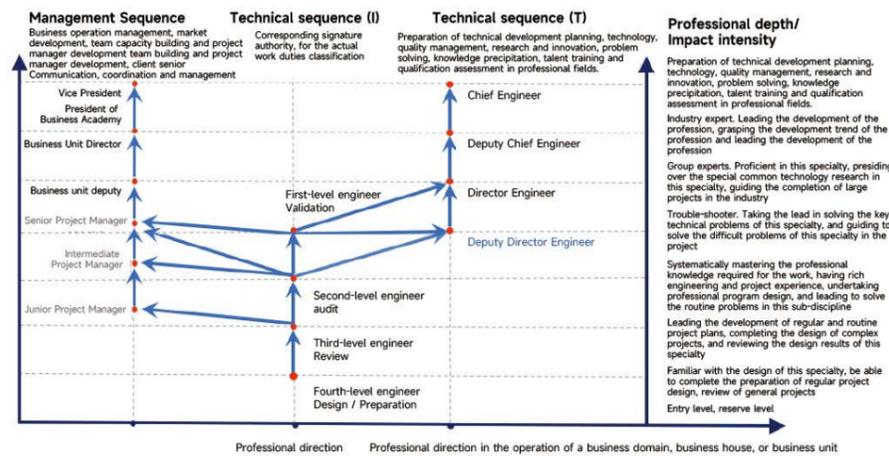
JSTI always insists on striving to build a first-class professional staff team. The Company focuses on strategic objectives, establishes and optimizes talent management system, continuously improves evaluation and incentive system, strives to build organizational talent supply chain and helps talent career development. The Company discovers and forges management talents with leadership style and excellent responsibility and result-driven to provide leadership resources for strategy realization, and it also taps and creates expert talents with professional knowledge and the ability of value creation to provide technical resources for brand building and develop the organization's talent.

### (2) Multi-channel for Career Development

We encourage to experience in multi-position and "learn to war in war". The training and development of employees meet job requirements and respect employees' personal wishes. We try to find and select the talents through multi-position training. The Company opens up career development paths among different sequences of technology, management, function and marketing, continuously optimizes the job transformation system and process of management sequence and technology sequence, and focuses on cultivating high-performing and high-potential comprehensive key talents.



Multi-channel Career Path Chart

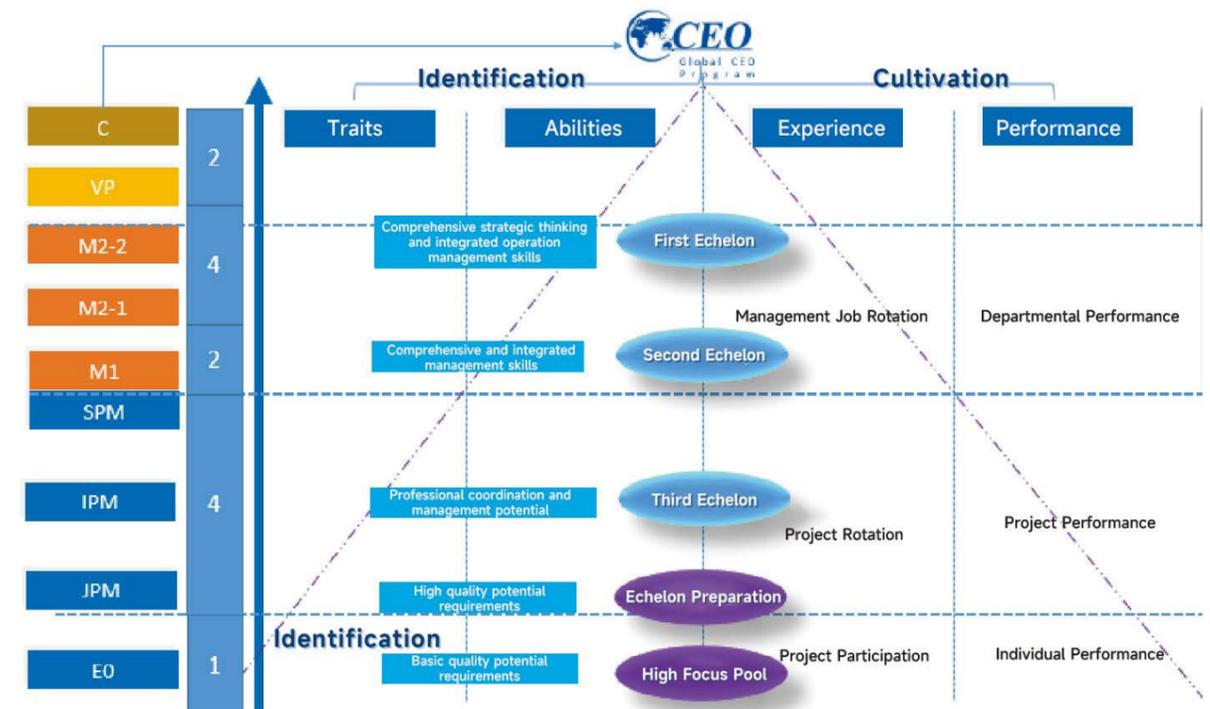


Y-shaped Career Development Path

### (3) Establishing Talent Acceleration Development System

We build a fast track for talent development, and use performance-oriented and diversified talent evaluation methods to identify and accelerate the development of employees with leadership potential. With the goal of cultivating qualified CEOs at the age of 40, the Company develops a 15-year CEO training path and builds a management talent reserve pool for critical positions to ensure three successors for each critical position. By 2022, there have been 562 management-type talents in the Company's talent reserve pool, of which the talents promoted to senior positions account for 84% of the newly promoted senior managers, and talents promoted to deputy positions account for 69% of the newly promoted deputy managers.

At the same time, aiming to cultivate top technical talents who promote industry innovation and development, we have built a professional technical talent resource pool with 300 outstanding technical backbone personnel, 100 exceptional technical experts and 10 chief technical masters. We have established an internal "blood-making mechanism" for cultivating industry-level and national-level master talents, and created a team of talents including those who enjoy the special allowance of the State Council special, those who are included in the talents from the Ten/Hundred/Thousand Talents Plan, the "Six Major Types of Top Talents" program, the 333 High-Level Talents Cultivation Project of Jiangsu Province, and the Jiangsu Innovation/Entrepreneurship Talent Program.



Cultivation Path Map for Global CEO Program

#### (4) Establishing an open and transparent mechanism for selecting and eliminating cadres

JSTI always insists on establishing open and transparent cadre selection standards, formulating and issuing explicit appointment and elimination mechanisms, to promote the institutionalization and standardization of cadre appointment and improve the system of cadre selection, appointment and accountability.

The selection and appointment of managers is based on both performance and behavior of the managers, and we adopt "one vote" for culture and ethical compliance issues. The Company insists on using objective data to evaluate employee while fully considering multiple factors such as business type, market environment and task difficulty, prioritizes the selection of employees who consistently create incremental performance and eliminate cadres whose performance continues to decline. We follow the principle of separation of the three powers of nomination, evaluation and approval to ensure the objectivity and fairness in the process of manager selection and appointment.

#### (5) Nurturing of the Young Employees

JSTI insists on the principles of open thinking and breaking the rules to build a platform for young employees to accelerate their growth. There were 33.3% of newly promoted deputy managers under 35 years old and 55.6% of newly promoted senior managers under 40 years old were promoted in 2022.

#### Establishment of The Chairman Young Talents Fund in JSTI

Since 2014, the Company has set up The Chairman Young Talents Fund in JSTI, which aims to encourage young and top talents who have progressive spirit and have achieved excellent performance in the organization. The Company have been carried out 8 sessions on a yearly basis, with a total of 24 funding recipients, of which 18 of the funded recipients have been promoted to positions, with a promotion rate of 75%.





## Cohesion of public Welfare and Harmony



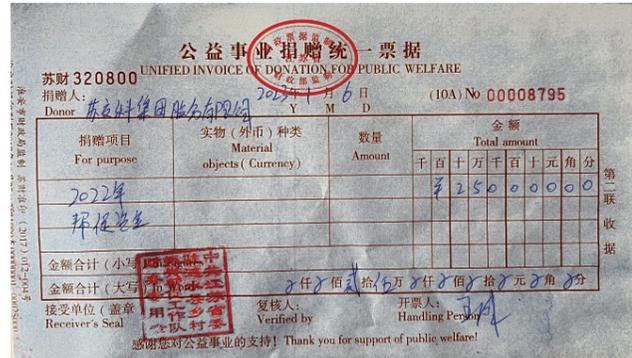
JSTI always adheres to the corporate philosophy of "creating wealth together and contributing to society", deeply practices social responsibility, actively contributes to rural revitalization, consolidates the achievements of poverty alleviation, insists on carrying out diversified public welfare practices to provide help for the disadvantaged and promote the construction of a harmonious society.



## Responding to Rural Revitalization

The strategy of rural revitalization is the foundation for high-quality social development. In strict accordance with the unified deployment of the Party Central Committee, the State Council, the Jiangsu Provincial Party Committee and the provincial government, JSTI actively adapts to the changes in the situation and tasks, carries out in-depth work on rural revitalization and consolidates and expands the results of poverty alleviation.

The Company shoulders its social responsibility and actively fulfills its social obligations. The Company donated a total of RMB731,500 to disadvantaged groups and poor areas in 2022. JSTI and the Promotion Society of Guangcai Affairs under the United Front Work Department of Nanjing Municipal Party Central Committee have established a special fund for Guangcai Affairs, which has been continuously funding for support work since 2013. Over the years, JSTI has donated more than RMB3.6 million for the relief of poverty in Tibet, northern Jiangsu Province and other areas.



2022 JSTI Philanthropy Endowment Receipt



Volunteers from the 14th Party Branch of JSTI visited the people in difficulty

The Company continues to devote itself to the development of rural transportation and actively contributes to the revitalization of the countryside. The Company has undertaken the "Jiangsu Province '14th Five-Year Plan' rural road development", "Jiangsu Province rural improvement of road quality and efficiency three-year action plan (2021-2023)", "Jiangsu Province pilot assessment on deepening the rural road management and maintenance system reform", "Jiangsu Province beautiful rural road construction guidelines", "Jiangsu Province research on urban-rural transport integration innovation development", "Jiangsu Province rural gas pipeline network development planning" and other technical services of provincial key projects. We will continue contributing to the high-quality development of the integration of "construction, management, maintenance and transportation" of rural transportation in Jiangsu Province, and improve our technical service capacity in the rural highway industry while continuously contributing to the high-quality development of rural roads.

### Case

#### The Company helped Siyang County to become the first batch and the first county in Jiangsu Province to pass the rural logistics standards

As a supporting unit, the Company assisted the Siyang County Transport Bureau to carry out the construction work in all aspects, and assisted the Siyang County Government to issue the "Notice on the Establishment of the Leading Team for the construction of Provincial Rural Logistics Standards in Siyang County", which successfully helped Siyang County to complete the provincial acceptance work. The Company made full use of the e-commerce platform to connect with the market, and used the postal express service network to connect with agricultural production bases, jointly building 36 "e-commerce + industry + base + logistics" bases to help farmers, driving 30 economically weak villages and nearly 1,000 low-income farmers to realize employment and increase income at home. The Company has really played the supporting role of logistics in promoting the circulation of elements and helping rural revitalization.



Express Service Point for farmers to take the parcels

## Supporting for Educational Assistance

Talent is the first resource and important strategic support to lead social development, fully supporting the targeted areas to cultivate professional and technical talents with "comprehensive quality + skills" is an important initiative of JSTI to facilitate the social development. In recent years, JSTI has actively provided education support, carried out caring activities for children left behind in poor areas, established Qingyuan Scholarship Fund to sponsor outstanding students from poor families with good character in Lianyungang and Gansu, helping them to successfully complete their studies and return to society. At the same time, the Company continues to sponsor poor students from Southeast University, Chongqing Jiaotong University, Nanjing Normal University, Fuzhou University and other universities to successfully complete their studies, which deeply reflects the Company's obligation as a local state-owned enterprises to serve the national strategy.



### The path of JSTI facilitating education development

2012—2026	The establishment of a scholarship at Southeast University with an annual donation of RMB <b>100,000</b>
2012—2021	The establishment of a scholarship at Chongqing Jiaotong University with an annual donation of RMB <b>50,000</b>
2015—2019	The establishment of a scholarship at Harbin Institute of Technology with an annual donation of RMB <b>50,000</b>
2016—2020	The establishment of a scholarship for Nanjing Normal University with an annual donation of RMB <b>100,000</b>
2021—2025	The establishment of a scholarship at Harbin Institute of Technology with an annual donation of RMB <b>50,000</b>
2021	A donation of RMB <b>300,000</b> was provided by the Company to support overseas training for teachers and overseas exchange for outstanding students at Chongqing Jiaotong University
2022—2026	To support the development of education at Southeast University, the establishment of the Su Jiaoke Fund with an annual donation of RMB <b>500,000</b>
2022—2026	The establishment of Chongqing Jiaotong University Scholarship with an annual donation of RMB <b>200,000</b>



## Promoting the Public Interest in Science

JSTI never forgets its social responsibility and actively participates in social welfare activities to contribute to the construction of a civilized society.

The Company actively promotes the socialization, massization and regularization of science popularization work, and actively draws on the experience of domestic outstanding science popularization bases to set up science popularization education bases. According to the requirements of the medium and long-term development plan, the Company aims to improve its innovation ability and focus on sound mechanism, so as to promote more social public can walk into the science education base, contact science, experience science, enjoy science services and stimulate scientific interest.

The Company continues to improve the publicity and promotion, constantly enhances the academic atmosphere, relies on national laboratories and other infrastructure, and regularly carries out science popularization activities in line with the Company's objective. By formulating the plan of science popularization week, the Company regularly opens the Company's exhibition hall, national laboratory base and other science and technology education centers to the public at regular intervals, and holds exchange and learning activities during National Science and Technology Week and National Science Popularization Day in order to further expand the influence of the science popularization base and return to the society. The number of people participating in the exchange and training of science popularization activities reaches more than 1,000 every year.



Public Interest in Science Interaction

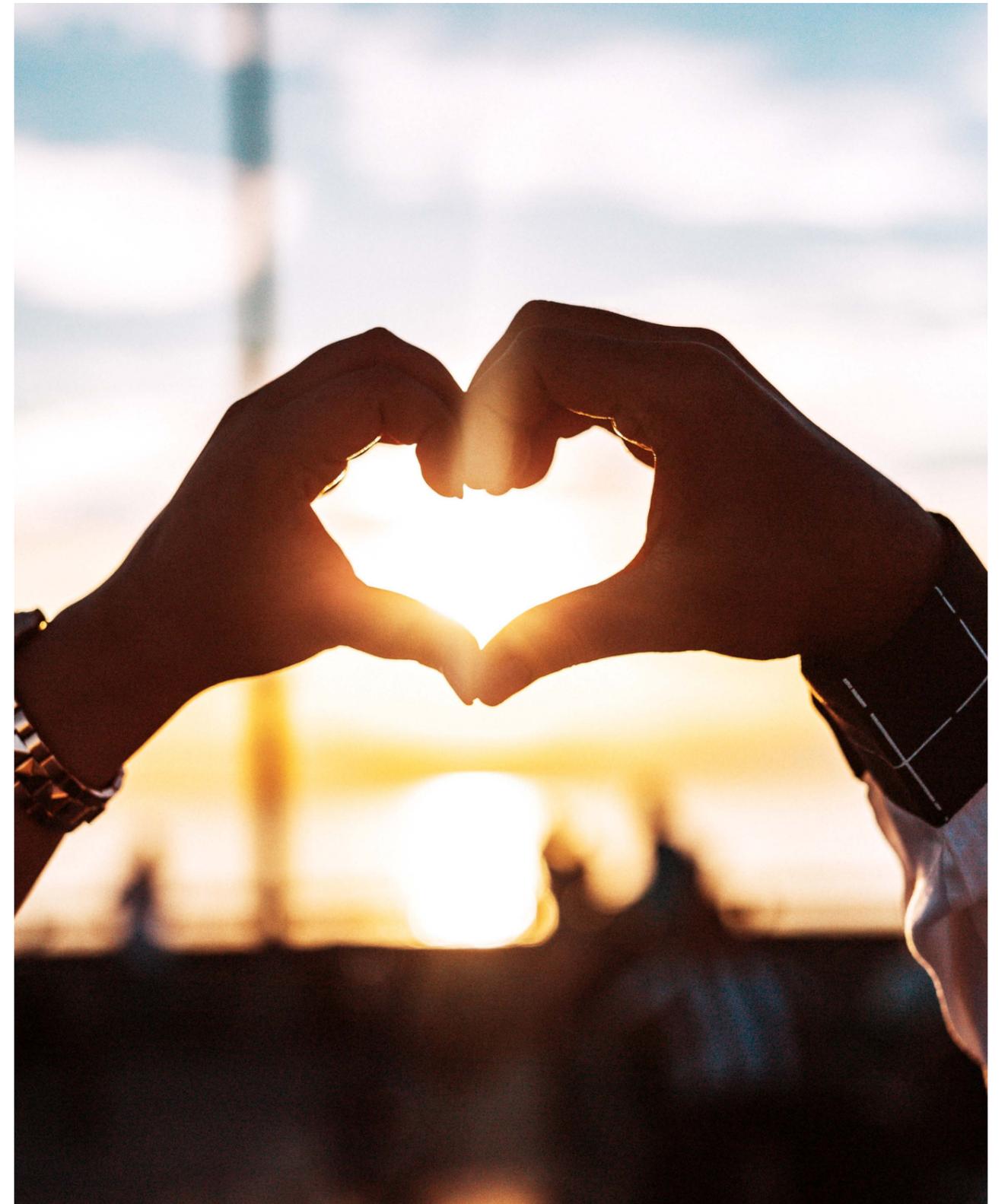
## Facilitating Basic Healthcare

Facing the construction of regional health care, every member of JSTI is obliged to actively participate in the prevention and treatment of epidemic diseases. During the epidemic period, the Company and its subsidiaries actively responded to the relevant requirements of the local government and sent volunteers to the front line of epidemic prevention and control, supporting the epidemic screening work for the street and showing the corporate responsibility.

In every place where there is a need, there are persistent and committed people from JSTI. In 2022, regarding to the epidemic situation in Guangzhou, JSTI invested more than RMB500,000 and sent more than 70 volunteers to form a prevention and control assistance team to support the local mobile cabin hospitals.



JSTI Volunteers Worked in the Front Line of Epidemic Prevention and Control





## Green Operations for Environmental Protection



Global climate change is profoundly affecting the survival and development of human beings, and is a significant challenge faced by the international community today. The Company takes environmental protection as an important part of its sustainable development strategy, optimizes the direction of business investment, focuses on the green environmental protection industry, and puts the green management concept into the practices to support the development of green, low-carbon and circular economy.



## Environmental management system

In its daily operation and production activities, the Company strictly implements relevant laws and regulations on environmental protection, and manages all operation and production activities related to environmental protection in accordance with ISO14001 environmental management system and ISO9001 quality management system.



Environmental Management System Certification

Quality Management System Certification

The main business of the Company and its subsidiaries is the engineering consulting, which does not belong to the key emission units announced by the environmental protection department. There are no administrative penalties imposed on the Company and its subsidiaries for any environmental issues in 2022.

## Environmental Inspection and Monitoring

Environmental inspection and monitoring is an important tool to promote environmental protection. The Company has "Jiangsu Transportation Environmental Monitoring Center", which is one of the four provincial transportation environmental monitoring stations approved by the Ministry of Transport of the People's Republic of China, and also is the first batch of social environmental testing organizations approved by the Department of Ecology and Environment of Jiangsu Province and a member of Jiangsu Environmental Monitoring Association.

The Company's environmental testing laboratory covers an area of 1,000 m<sup>2</sup>. The laboratory is equipped with more than one hundred sets of instruments and equipment, such as international leading Gas chromatography-mass spectrometry, Atomic fluorescence spectrometer, Gas chromatography, Liquid chromatography, Atomic absorption spectrophotometer, Atomic fluorescence spectrometer, Ultraviolet spectrophotometer and emergency online monitoring vehicle. The laboratory has obtained the CMA certification, and the certification items have been expanded to about 400 items, involving about 700 different testing factors.



Thermo Fisher Scientific Gas Chromatograph

Microbial Preparation Room

Organic Analysis Room

Physic and Chemistry Analysis Room

## Environmental Impact Assessment

In the implementation of projects that have environmental impact on the public, the Company does its environmental impact assessment work prudently, issues objective and fair environmental impact assessment reports, to fulfill its responsibilities to society and the environment.

### Relevant Performance

By the end of 2022, the Company have completed more than **500** environmental assessment projects, including more than **50** highway projects, more than **20** waterway and port projects, and more than **5** subway projects.

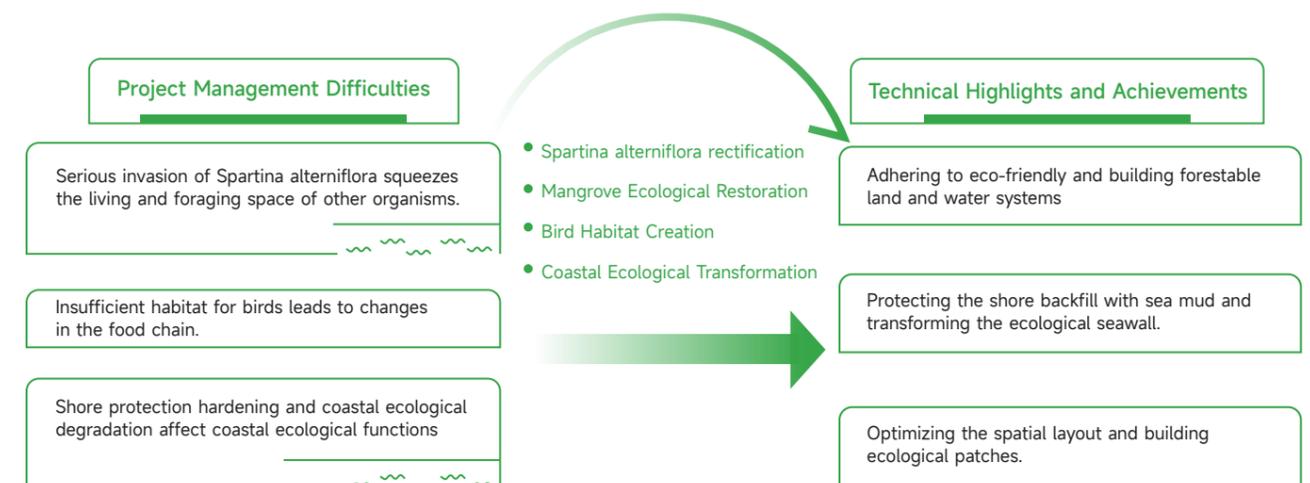
## Ecological Construction Business

The beauty of the environment comes from the urban planner's understanding and concern for the city. The Company is committed to environmental protection construction, the development of circular economy, and the provision of technology to protect the environment.

## Blue Bay Restoration

In order to achieve a friendly coexistence between human beings and nature, the Company aims at ecological restoration in environmental engineering design, follows the concept of nature, respects the existing natural texture, and creates an ecological park with reasonable layout, perfect function and ecological value through natural ecological restoration and artificial intervention.

In November 2022, the subsidiary XIAMEN MUNICIPAL ENGINEERING DESIGN DIVISION CO.,LTD. undertook the design of the "Blue Bay" comprehensive improvement action project in Quanzhou City. The project was passed the completion and acceptance and entered into normal management and improvement work, will be officially opened to the public after completion and transfer. This project - Quanzhou Bay marine project is the central marine ecological protection and restoration project in 2020, and was included in the provincial key projects in 2021.





Mangrove Landscape



Herons Roosting in the Highlands



Ecological Natural Coastal Shoreline



Ecological Coastal Protection Zone

The project is to increase the area of protective forests by constructing ecological seawalls, increase biodiversity, increase and improve the habitat of birds and marine organisms, and beautify the natural landscape of the bay area through the *Spartina alterniflora* rectification project and mangrove planting project. The project is also to improve the disaster prevention and mitigation capacity through the construction of ecological coastal protection zone to create good basic conditions for the sustainable development of marine economy.



## Green Eco-island Construction

Technological progress and management innovation are the vitality of JSTI and the intelligent source to create value for customers. The Company always pursues excellence and encourages all innovative activities in service, technology, products and management, and is committed to cultivating and creating high-quality projects in various professional fields, and continuously contributes to the development of the industry with the efforts of JSTI.

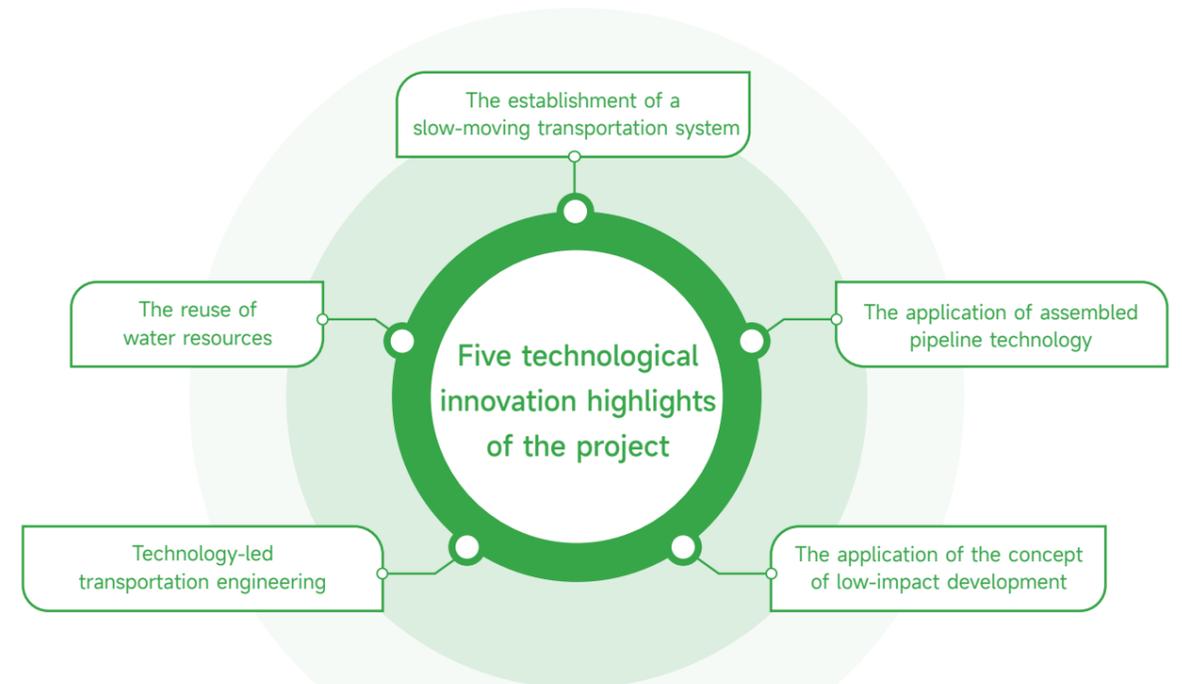
In 2022, the Singapore-Nanjing Ecological Science and Technology Island Municipal Road Project undertaken by JSTI won the Second Prize of Excellent Survey and Design of Provincial Urban and Rural Construction System in 2021.

### Design work for the second and third phase of municipal road projects in the island



The second phase of the municipal road project mainly contains six municipal roads, with a total road length of 3.7 km.

The third phase of the municipal road project mainly contains 14 municipal roads, with a total length of 12.9 km.



Compared with the design of municipal infrastructure in traditional functional areas, the Company pays more attention to the integration of "ecological and green" concepts such as smart city, sponge city, integrated corridor and priority of public transportation in the design of eco-technology island while implementing traditional design concepts. We actively respond to the current hot spots of new urbanization construction at the national level.

## Green Industry Seminar

In the daily operation, the Company actively participates in the industry green exhibition, with the help of the exhibition exchange platform, strengthens the communication and cooperation in the industry, shares new ideas, discusses new technologies, develops new equipment, and works with the industry to make progress together. At the same time, the Company takes the responsibility to build academic exchange platform, and actively holds academic conferences and forums in the field of underground space to promote the green and low-carbon sustainable development of underground space.

### Case

#### JSTI was invited to attend 2022 China-ASEAN International Environmental Protection Exhibition and signed a strategic cooperation agreement

At the opening ceremony, the Company together with 19 enterprises and scientific research institutions inside and outside the region signed a strategic cooperation agreement with Guangxi Environmental Protection Industry Investment Group Co.,Ltd. We hope to take this opportunity to reach a friendly cooperation with Guangxi Environmental Protection Industry Investment Group Co.,Ltd, use technical support to promote more outstanding projects to the ground and form a new pattern of comprehensive development.

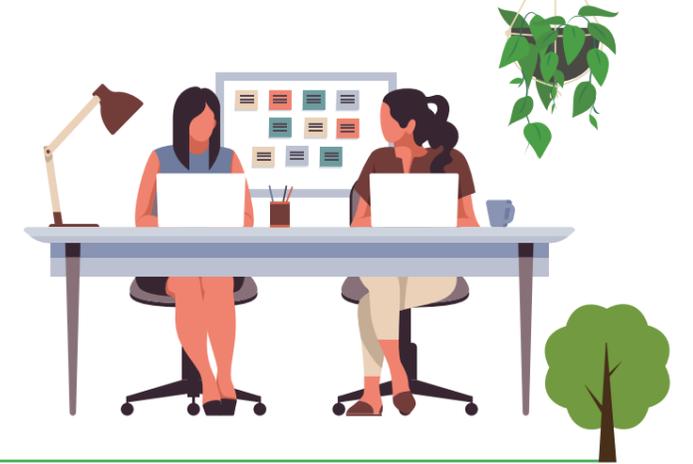


The Company signed a strategic cooperation agreement with Guangxi Environmental Protection Industry Investment Group Co., Ltd



## Green Office Operation

The Company takes environmental protection as an important part of its sustainable development strategy, focuses on fulfilling the responsibility of corporate environmental protection in its daily production to actively practice environment-friendly and resource-saving development. The Company encourages its employees to carry out technological innovation, actively carry out small changes, energy-saving and consumption reduction and QC activities to actively promote the construction of a conservation-oriented society.



## Resource Consumption Management

The Company continues to optimize the office mode, vigorously promote energy saving and emission reduction, green office and paperless office. The Company actively carries out a series of activities of "water saving, electricity saving, energy saving, paper saving and garbage sorting" combined with "World Environment Day" to strengthen the publicity, adopts lower energy consumption "Hitachi" VRV Air conditioners and "York" water-cooled units with lower energy consumption, and new energy facilities such as photovoltaic power generation and solar water heaters are installed to actively respond to the national call to save electricity and create a resource-saving enterprise.

### Case

#### "The 15th Green Building Development Conference of Jiangsu Province - The 5th Green Underground Space Forum" hosted by JSTI

In November 2022, "The 15th Green Building Development Conference of Jiangsu Province - The 5th Green Underground Space Forum" was successfully held in Nanjing with the theme of "Facilitating the Goal of 'Double Carbon' and Empowering Green Underground Buildings".

The forum was held in the form of online + offline, attracting more than 100 experts and scholars from inside and outside the province, representatives of the Society and members of the Special Committee to participate.



The 5th Green Underground Space Forum



Energy saving and emission reduction facilities group

Indicator	Unit	2022
<b>Energy usage</b>		
Gasoline	L	54,000
Purchased electricity	MWh	6,092
<b>Energy consumption</b>		
Direct energy consumption	Tons of coal equivalent	57.61
Indirect energy consumption	Tons of coal equivalent	748.71
<b>Total energy consumption</b>	Tons of coal equivalent	806.31
<b>GHG emissions</b>		
Scope 1 GHG emissions	CO2 equivalent (t)	119.12
Scope 2 GHG emissions	CO2 equivalent (t)	3,474.27
<b>Total GHG emissions</b>	CO2 equivalent (t)	3,593.39

Data statistics caliber: Sinopec, Towngas and State Grid Unit Household 2022 annual bill

## Emissions and Wastes Management

The Company's "three waste discharges" qualified rate is 100%, and the "three wastes" are recycled by professional recycling department. At the same time, the Company increases investment in science and technology, and actively introduces advanced equipment and energy-saving technology to reduce the discharges of three wastes from the source. The office building of Nanjing Bolai Future City Planning & Designing Co., Ltd. acquired office desk tops with the highest environmental protection grade E1 MFC panels, with formaldehyde emission  $\leq 0.01$  PPM.



## Future Expectations

Looking back on over forty years of development of JSTI, we have unconsciously entered a new era and a new stage of enterprise development.

Looking ahead, JSTI will adhere to the corporate mission of "Most dynamic Trustworthy Building a new world", gather the vitality and creativity of first-class employees, provide innovative and leading solutions, continue to create value for customers, strive to "Becoming a world-class scientific and technological enterprise in the field of infrastructure", and strive to build an international technology enterprise group and achieve high-quality sustainable development.

The construction of "Dual Platforms" will provide a foundation for the organization's high-quality development. We will build a digital, standardized and integrated business middle platform based on data base and forward design to release productivity, we will also precipitate management knowledge and capability into a management middle platform with vertical capabilities, agile response and lean operation to open the management boundaries.

Digitalization and industrialization transformation and upgrading have become the "double boosters" of enterprise development. We focus on the whole value chain of engineering consulting such as infrastructure design, construction, management and maintenance, materials, software, etc., and empower the digitalization and intelligence of infrastructure with the advanced technologies in the fields of cloud, big data, Internet of Things, artificial intelligence, mobile communication, etc. Taking infrastructure as the foundation, we promote the industrialization layout in the new fields such as smart transportation, double carbon economy, road and bridge operation and maintenance, to realize the productization of technology, product industrialization and industrial capitalization. The Company will integrate the resources of the whole value chain to provide products, services and solutions that can meet the new demands of customers and make a better world.

With the "Dual Platforms" + "Dual Boosters", JSTI will continue to break through the upper limit of its capabilities, open up the boundaries, create greater value, and strive to become the most influential think-tank-based technology platform in the industry.

# Appendix

## Index Table

Headings		GRI Standards	CASS-ESG 5.0
About This Report		102-3/102-45/102-50/102-54	G3.7/P1.1-P1.3
Statement of Chairman		102-14	P2.1/P2.2
About JSTI	Company Profile	102-1/102-2/102-4/102-5/102-6	P4.1
	Business Overview	/	P4.3
	Corporate Culture	102-16	P4.2
	Corporate Qualifications	/	/
	Industry Status	/	/
	Corporate Honors	/	/
	2022 Annual Events	/	P3.1
Sustainable Development Management	Communication with Stakeholders	102-21/102-29/102-40/102-44	G3.6
	Analysis of substantive issues	102-21/102-47	G3.5
Focus - Piloting Low-carbon Development to Create a Green World Together		201-4/304-3	P3.1/E1.8/V2.2/V2.3/V4.1/V4.4
Governance According to Law and Standardized Operation	Corporate Governance	102-22	G1.2
	Sound Risk Management	102-11/102-15	/
	Investor Relations Management	/	G1.10
	Business Ethics and Integrity Culture	102-17/205-2	/
	Promoting Party Building	102-15	G1.6/G1.7/G1.9
Innovative Technology to Empower Development	Independent Scientific Research and Innovation	/	V2.2/V2.3/V2.4
	the Introduction of Advanced Technology	/	V2.2/V2.4/V3.3
	Leadership of the Industry	/	V2.4/V2.7
	Intellectual Property System	/	/
Focusing on Service to Achieve Mutual Benefits	Major Technological Innovation Achievements	304-3	V2.2/2.4/V3.3
	Pursing Excellent Quality	/	S4.1/V2.7/V3.3
	Strengthening Customer and Market Management	/	S4.5/S4.7
	Multi-strategic Cooperation	102-13	V2.8
Recruitment and Value-Sharing	Promoting Responsible Supply	102-9/308-2	S5.1/S5.2
	Talent Recruitment and Retention	102-8/401-1/405-1	S1.2/S1.3/V3.1
	Protection of Employees' Rights and Interests	/	S1.4/S1.6/S1.8/S1.9/S1.11
	Employee Care and Welfare	401-2/403-3/403-6	S1.7/S1.10
Cohesion of public Welfare and Harmony	Employee Training and Development	404-2	S2.1/2.2
	Responding Rural Revitalization	203-1	V1.1/V1.3/V1.4/V3.4/V3.6/V3.7
	Supporting Educational Assistance	203-1	V1.3/V1.4/V3.4/V3.7
	Promoting the Public Interest in Science	203-1	V1.4/V3.4/V3.7
Green Operations for Environmental Protection	Facilitating Basic Healthcare	203-1	V1.3/V1.4/V3.4/V3.7
	Environmental Management System	102-13	E1.6/E1.9
	Ecological Construction Business	304-3	E1.8/E4.1/E4.2/E4.3/V3.3/V4.4
	Green Industry Seminar	102-13	E1.7
Future Expectations	Green Office Operation	302-1/305-1/305-2	E1.7/E2.1/E2.14/E3.1/E3.3/E3.4/E5.5/E5.6
		/	A1
Appendix	Index Table	102-54/102-55	A4
	Feedback Form	/	A5

## Feedback Form

Thank you for reading this report! This is JSTI GROUP's 2022 Environmental, Social and Governance (ESG) Report. In order to continuously improve our social responsibility work and further enhance our sustainable development management, we hereby invite you to fill in the relevant questions in the feedback form and give us your feedback through the following ways.

Your opinion is an important basis for us to continuously improve our social responsibility work and further enhance our sustainable development management, thank you for your strong support to our social responsibility work!

Tel: 025-86576542 Fax: 025—86576666 E-mail: sjkdmb@jsti.com

Address: No.8 Fuchunjiang East Street, Jianye District, Nanjing, Jiangsu Province, China

1. Which category of stakeholders are you: :

Shareholder and Investor  Consumer  Employee  Government  Society and the public  Other (please indicate\_\_\_\_\_)

2. Your overall evaluation of current year's ESG report:

Very good  Good  Fair  Bad  Very bad

3. What do you think of information disclosed in this report

Very good  Good  Fair  Bad  Very bad

Layout and design

Very good  Good  Fair  Bad  Very bad

Readability

Very good  Good  Fair  Bad  Very bad

4. What issues are of most concern to you? (such as providing quality and timely after-sales service, employee rights and benefits, legal compliance operation, shareholder returns, etc.)

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5. Is all the information you are concerned about reflected in this year's social responsibility report:

Yes  No ( other information that you expect\_\_\_\_\_)

6. What other comments or suggestions do you have on our social responsibility report or social responsibility work and sustainable development management?

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