



2024

**ENVIRONMENTAL, SOCIAL AND
GOVERNANCE (ESG) REPORT**

Stock Name | Hoperun Software

Stock Code | 300339



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About This Report



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



Reporting Scope



This report covers Hoperun Software and its branches and subsidiaries. Unless otherwise specified, the scope of this report is consistent with that of the Company’s Annual Report.

Reporting Period



This report covers the period from January 1, 2024 to December 31, 2024 (the “Reporting Period”). To improve comparability and completeness, some sections of this report may be appropriately referred to previous years or contain forward-looking statements. This report is released on an annual basis, consistent with the financial year.

Reference Standard & Preparation Basis



- Shenzhen Stock Exchange *Self-Regulatory Guidelines for Listed Companies No.17 - Sustainability Report (for Trial Implementation)*
- Shenzhen Stock Exchange *Self-Regulatory Guidelines for Listed Companies No.3 - Preparation of Sustainability Reports*
- China Enterprise Reform and Development Society “*Guide to Corporate Sustainability Reporting in China*” (CASS-ESG 6.0)
- Global Reporting Initiative (GRI) *Sustainability Reporting Standards(GRI Standards)*
- *Task Force on Climate-related Financial Disclosures (TCFD) Framework*
- *Sustainable Development Goals (SDGs) of the United Nations*

Data Sources



Data sources used in this report include public data from government agencies, the actual operational data, annual financial data, internal statistical reports of the Company, third-party evaluations or interviews, etc. Unless otherwise specified, all amounts in this report are expressed in RMB. For any discrepancy between this report and the financial statements, the financial statements shall prevail.

Definition



Term	Interpretation
Hoperun Software, the Company or We	Jiangsu Hoperun Software Co., Ltd.
Runkaihong	Jiangsu Runkaihong Digital Technology Co., Ltd.
Jettech	Beijing Jettech Technology Co., Ltd
UISF TECH	Beijing UISF TECH Information Technology Co., Ltd.
Xi’an Hoperun	Xi’an Hoperun Software Information Technology Co., Ltd
Guangzhou Hoperun	Guangzhou Hoperun Yineng Software Technology Co., Ltd.
Shenzhen Hoperun	Shenzhen Hoperun Huizhi Information Technology Co., Ltd.

Access to this Report



This Report is available for review and download on the official website of Hoperun Software (<https://www.hoperun.com>).

Message from the Chairman



Time passes swiftly, and seasons unfold relentlessly. Together, we have navigated through 2024, a year of growth and new opportunities. In the face of a complex and ever-changing market environment, Hoperun Software is driven by independent and controllable technologies such as (Information Technology Application Innovation (ITAI) and Artificial Intelligence (AI), and focuses on offering high-value-added integrated hardware and software products and solutions to global customers. We are committed to fostering the cohesion and development of new quality productive forces, thereby unlocking pathways for sustainable growth.

Adhering to Strategic Development Direction, Leading in Innovation and Transformation of Digital Intelligence

With a clear strategic positioning, Hoperun Software charts a decisive course forward, strengthening our confidence in future growth and energizing our drive for long-term success. At the beginning of 2024, we formulated a new "1+2+3+8" strategy to guide the development of the Company in the next three years: We will focus on 1 core of achieving "Security & Controllability", build 2 major operating systems based on "OpenHarmony and openEuler", establish 3 major solution platforms including "IoT Convergence Platform, Intelligent Edge Computing Platform, and Digital Intelligence Platform", and empower 8 key industries, namely, finance, energy, power grid, industry, healthcare, education, smart city, and emergency security. This accurate strategic positioning helps us ensure success before taking actions, and allows us to remain confident and steady in the face of fierce market competition.

Fostering Open-source Ecosystem, Empowering Corporate Development

Through solid capacity building, Hoperun Software accumulates momentum for growth, allowing innovative businesses to take root and technology services to flourish. As a company among the earliest contributing to the development of open-source operating systems, we have made OpenHarmony and openEuler our core strategic focus. After years of continuous investments, we have successfully transitioned from technological leadership to commercial leadership. In 2024, we launched numerous initiatives in the fields of smart power, smart healthcare, smart city, smart governance,

smart education, and industry-education integration. In the field of artificial intelligence, based on existing enterprise-level large model capabilities, Hoperun Software has independently developed a series of products such as the AIRUNS Computing Scheduling Management Platform, the AIRUNS Training and Deployment Integrated Platform, the AIRUNS Edge Computing Platform, and the AI Agent Solution Toolkit. These products help us build cloud-edge-device collaborative AI full-stack delivery solutions, and successfully implement them in industry scenarios such as transportation, finance, and telecommunication.

Pursuing Continuous Improvement, Improving Governance Performance

With a sound governance structure, Hoperun Software standardizes corporate operations, protects investors' rights and interests, and guarantees sound business operations. To keep pace with the newly revised *Company Law*, Hoperun Software actively practices a dual-improvement plan for quality and profitability. We ensure operational coordination and efficiency by optimizing internal governance, clarifying the division of powers and responsibilities among departments, and introducing a scientific decision-making process. Meanwhile, to ensure our employees can fully participate in democratic management, we have designated an employee representative director on the Board of Directors to listen attentively to the voices and opinions of frontline employees. The Company adheres to prioritizing corporate value, and on the basis of compliant disclosure, enhances the practicality and criticality of information disclosure. By effectively conveying value proposition, we strive to establish a more robust and investor-oriented information disclosure framework, thereby strengthening market confidence.

Fulfilling Social Responsibility, Promoting Value Sharing

Hoperun Software, with a forward-thinking business philosophy, respects diverse values, fulfills social responsibilities, and demonstrates a sense of mission. In 2024, the Party Committee of the Company reached a "village-enterprise co-construction" cooperation with Shuangba Village, Sanhe Town, Huaian City. We gave full play to our own technological advantages and helped Shuangba Village to build a cloud platform for the promotion and live-streaming of special agricultural products. This effort broadened

the sales channels of agricultural products, drove the villagers to increase their income and improve livelihoods, and promoted the development of material civilization in rural areas. Additionally, we are also committed to enriching the spiritual and cultural life of villagers. The Company has organized various cultural resources for rural areas, including activities such as intangible cultural heritage exhibitions, to inherit and promote our excellent traditional culture and facilitate the construction of spiritual civilization in rural areas. We believe that the coordinated development of material and spiritual civilization is the inevitable path for rural revitalization.

Implementing Environmental Protection Philosophy, Promoting Green and Sustainable Development

With a firm commitment to green development, Hoperun Software balances ecological and economic benefits, promotes sustainable development, and fosters harmonious coexistence. The Company actively responds to the national call for environmental protection, adheres to the philosophy of green development, and fulfills its commitment to environmental protection through practical actions. In alignment with the strategy of "technological empowerment, efficiency enhancement and energy transformation", we have carried out intelligent and low-carbon upgrades to our headquarters park. This achieves both energy conservation and emission reduction, and also brings about revenue increase and efficiency improvement. We also launch green products and provide customers with efficient and intelligent solutions to help them achieve zero-carbon goals.

As the saying goes small steps lead to big success, we have already sensed the subtle change before the great wave of industrial transformation arrives. We must live up to the times, seize opportunities, fear no challenges, and forge forward with passion, transforming the "greatest variable (i.e., technological innovation)" into the "greatest increment" for high-quality development. Let us advance in triumph, undeterred by challenges or distance, and seize opportunities with precision, unbound by time and conventional limits. In the new year, may we act with wisdom and integrity, and achieve success through good deeds and efforts.

Zhou Hongwei, Chairman of Hoperun Software



Sustainable Development Highlights



About Hoperun Software



Operating Income RMB **3,399.2323** million

Total Profit RMB **169.6754** million

Total Tax Paid RMB **191.644** million



Investment in R&D RMB **357.6282** million

Recognition as a Specialized and Sophisticated Enterprise that Produces Novel and Unique Products:

2

Recognition as a National High-tech Enterprise:

7



Total Number of Authorized Patents **53**

Software Copyrights Obtained **674**

Company Profile



Hoperun Software: included in the **MSCI Index System**

Energy Consumption Intensity ¹ **0.0182** tce/m²

GHG Emission Intensity ² **0.0794** tCO₂e/m²

Employee Training Coverage **97.23**%



Jiangsu Hoperun Software Co., Ltd. ("Hoperun Software") was established in 2006 and listed on the Growth Enterprises Market (GEM) of the Shenzhen Stock Exchange in 2012 (Stock Code: 300339). Headquartered in Nanjing, Hoperun Software owns R&D centers or subsidiaries in over 22 major cities across China, including Beijing, Shanghai, Guangzhou, Shenzhen, and Hong Kong. We also have set up overseas branches in countries such as Japan, the United States, and Singapore, enabling global technology integration, rapid customer response and efficient service delivery.

Upholding the mission of "becoming the backbone of China's software industry and shouldering the responsibility for the world's progress", Hoperun Software is committed to becoming the "leader of digital intelligence technology and

service innovation in China". Through localized, digital and intelligent innovative technologies, integrated hardware and software solutions, and a full lifecycle software service system, we activate new momentum in the industry, develop new quality productive force, and assist customers in their digital transformation and intelligent upgrades.

In recent years, based on the stable development of our technical service businesses, Hoperun Software has focused on innovative businesses such as OpenHarmony, openEuler, enterprise AI solutions, and SparkLink, to create main drivers for the new round of growth.

¹ The scope of energy data covers Hoperun Software, with intensity calculated based on the self-use area in the park.

² The scope of GHG emissions data covers Hoperun Software, with intensity calculated based on the self-use area in the park.

Market Position

The Company has been listed on the "IDC China FinTech Power Force" list in 2024.

The Company has been on the "IDC FinTech Top 100" list for four consecutive years.

According to *China Banking IT Solutions Market Shares, 2023: Time to Test Resilience*, a report issued by IDC in 2024, Hoperun Software has been ranked No. 1 in the digital business solution market for four consecutive years. The Company continuously maintains the top spot in digital credit system solutions, ranks second in digital banking solutions, and holds third place in open banking solutions.

As indicated in the *2023 China Banking IT Solutions Market Share Analysis Report* published by CCID Consulting in 2024, the Company has ranked No. 1 in the Internet-based finance services solutions market for three consecutive years, and maintained the top spot in the Internet-based banking solutions for four consecutive years. In addition, the Company also holds second place in Internet-based loan solutions and third place in transaction banking and open banking solutions.

Jettech is the top leader in the competition of testing service vendors in China's banking IT solution market.

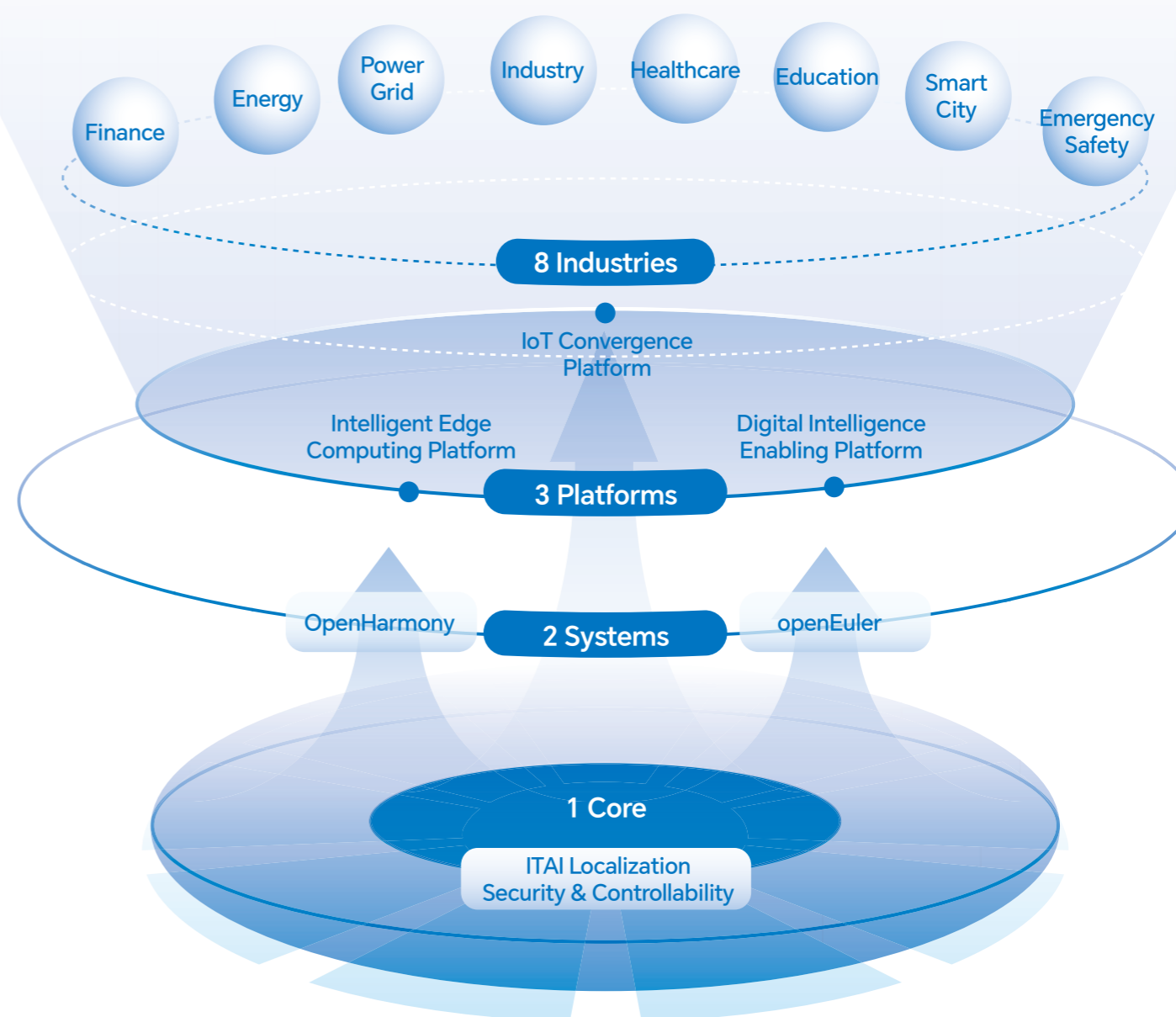
Financial Technology



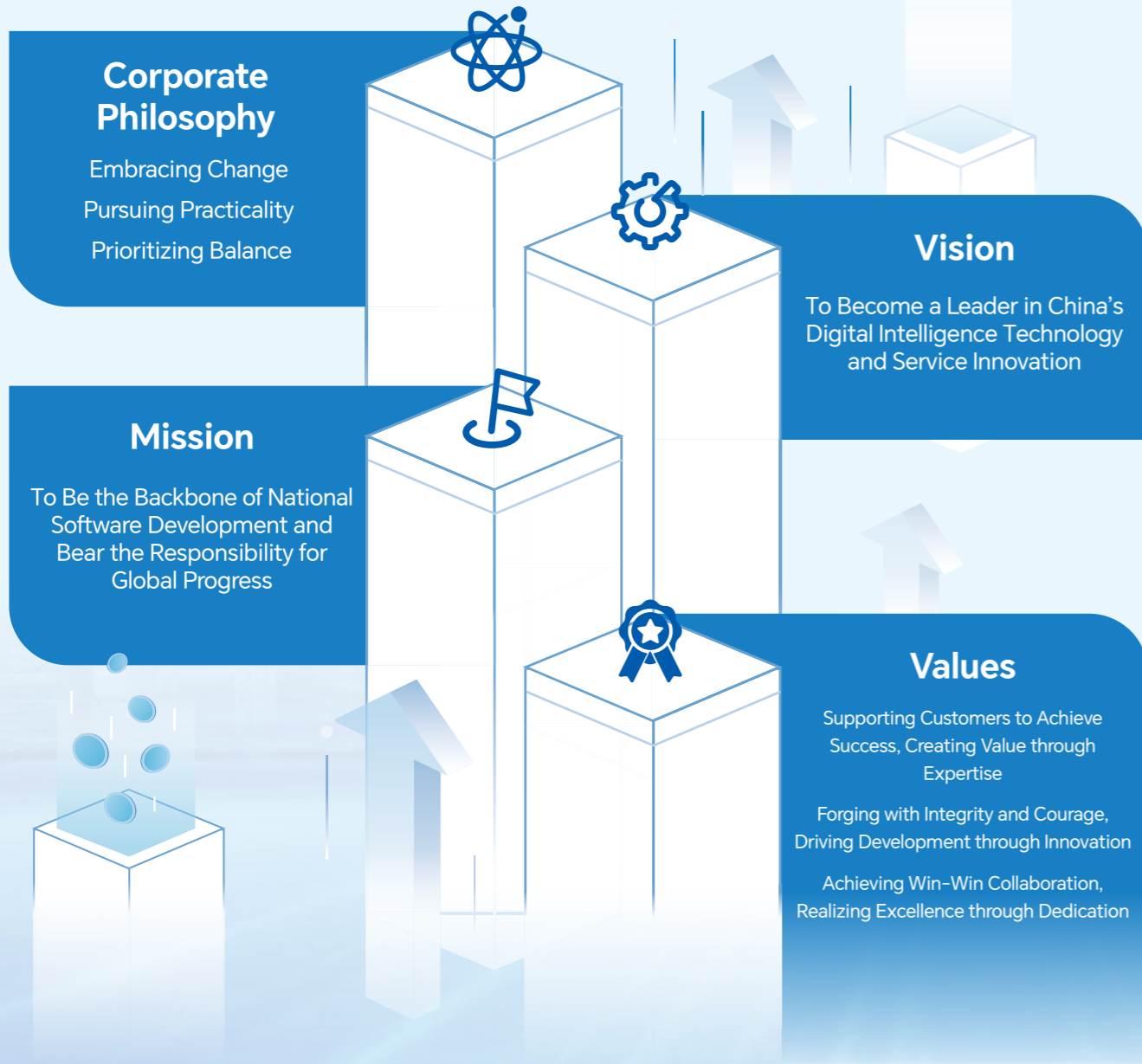
Data Sources:
 China Banking IT Solutions Market Shares, 2023: Time to Test Resilience issued by IDC
 2023 China Banking IT Solutions Market Share Analysis Report issued by CCID Consulting
 2024 IDC Global FinTech Rankings
 2024 IDC China FinTech Power Force

Strategic Layout

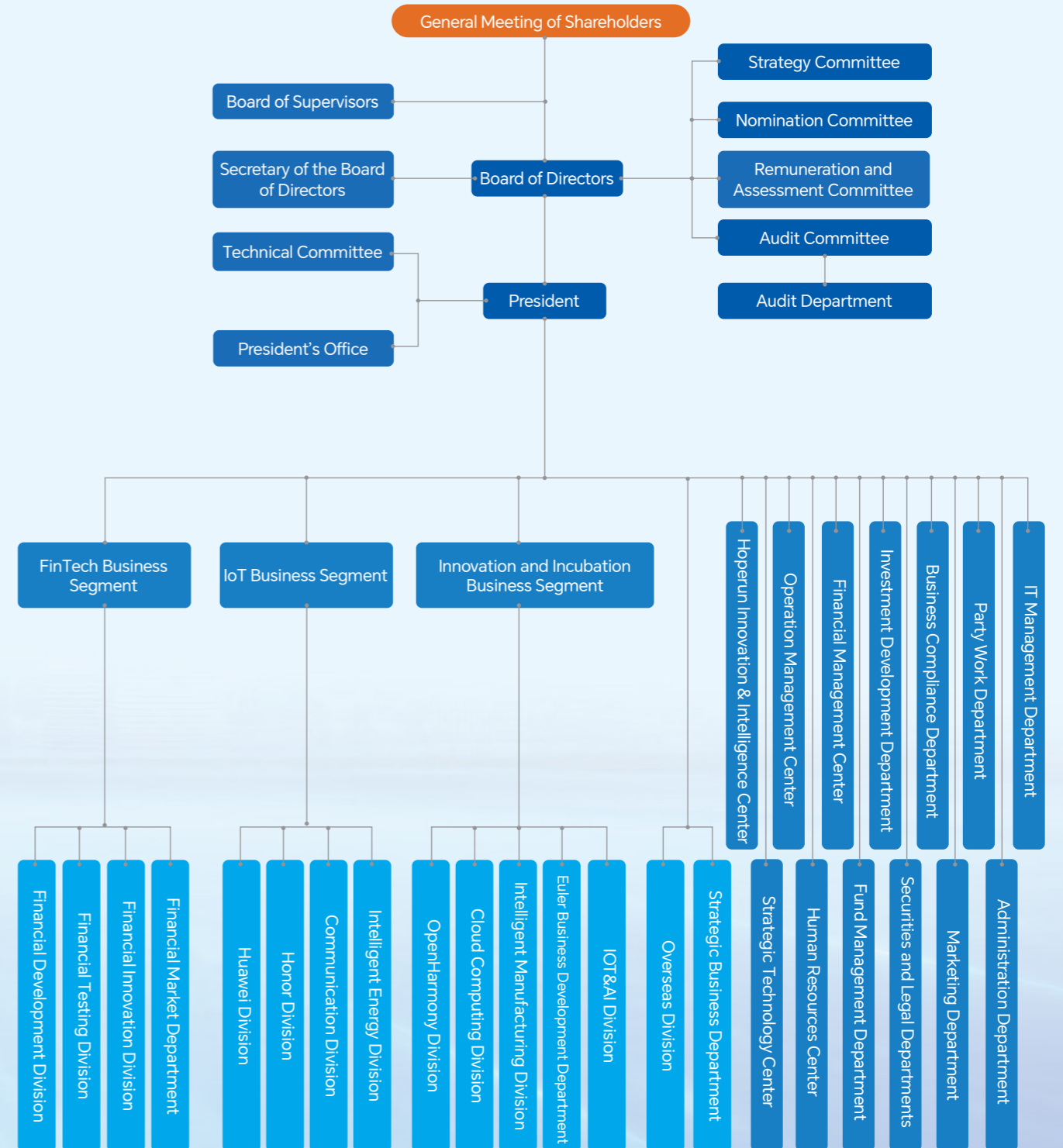
Based on localization and independent innovation, Hoperun Software is committed to becoming a global leading professional service provider for IoT, edge intelligence and digital intelligence applications. Hoperun Software defines its "1+2+3+8" business strategy, which focuses on 1 core of achieving "ITAI Localization and Security & Controllability", builds 2 operating systems based on "OpenHarmony and openEuler", constructs 3 solution platforms for "IoT Convergence Platform, Intelligent Edge Computing Platform, and Digital Intelligence Platform" and deeply explores 8 key industries: "finance, energy, power, industry, healthcare, education, smart city, and emergency safety". Through innovative technologies of "localization, digitalization, and intelligence", integrated hardware and software products and solutions, and a full-lifecycle software service system, the Company activates new industry momentum, develops new quality productive forces, and helps customers with digital transformation and intelligent upgrades.



Corporate Culture



Organizational Chart



Development History

2006
2011

- Established Hoperun Software officially in 2006
- Certified as a key software enterprise in the national planning layout

2013
2017

- Entered the financial technology fields of banking IT and insurance IT through the acquisitions of Jettech, UISF TECH, and FNDsoft
- Put the new R&D headquarters base of Hoperun Software into use in 2015

2021

- Pioneered the launch of HiHopeOS, a commercial distribution based on OpenHarmony
- Pioneered in launching commercial distributions of a server operating system based on openEuler

2012

- Listed on the GEM of the Shenzhen Stock Exchange

2018
2020

- Entered into strategic cooperation with Alibaba Cloud to jointly develop the next-generation distributed core system
- Joined the OpenAtom Foundation and became a Silver Donor
- Co-initiated the establishment of the OpenHarmony open-source project as one of the seven initial members
- Launched the integrated device-edge-cloud IoT solution for the intelligent power, energy, and other industries, and began deploying AI platforms and algorithm applications

2022

- Became an OpenHarmony ecosystem enabler partner of Huawei and fully focused on creating the OpenHarmony industry distribution
- Upgraded to a Gold Donor of the OpenAtom Foundation and a Gold Donor of openEuler
- Developed the "RHYU" smart solution for the realization of carbon peaking and carbon neutrality

2023

- OpenHarmony**
Marketing Activities: Assisted in the release of China's first Power Harmony IoT Operating System, launched the OpenHarmony-based HiHopeOS distribution version for the power industry, and a series of smart power products
Marketing Activities: Joined hands with Xiong'an New Area to promote the development of smart cities, signed the *Initiative for Promoting the Innovation and Development of the Urban Harmony Industry*
Technological Breakthroughs: Engaged in Full-stack open-source, and focused on the RISC-V + OpenHarmony track

Released "1+2+3+8" Business Strategy

- openEuler**
Product Upgrades: Launched HopeOS V22, the Hoperun's enterprise operating system (server edition)
Marketing Activities: Co-hosted the openEuler Developer Day, and launched distributed collaborative industry solutions for cloud-edge-device full scenarios

- AI**
Major Release: "1+6+N" AI Strategy
Major Release: *Strategic Whitepaper for Artificial Intelligence (AI) of Hoperun Software*
Major Release: AIRUNS Intelligent Hub Platform based on large models
Innovative Products: launched AI innovative products such as ChatResearch Research Report Reading Assistant, Financial Application Testing Assistant, AI Intelligent Analysis Host for Substations, AI Robot Service Robot, etc.

SparkLink

Launched modules and development kits based on SparkLink as a member of the International SparkLink Alliance

- openEuler**
Product Innovation: HopeOS V22 Big Data Edition and HopeOS V22 AI Edition, two optimized versions for targeted scenarios
Marketing Activities: participated in FOSSASIA Summit 2024
Major Release: the Company's first AI-native operating system, based on HopeOS V24, Hoperun enterprise-level operating system (server edition) which is based on openEuler 24.03 LTS (the commercial distribution version)
Major Release: *Hoperun Software's In-Place Migration Solution of Domestic Operating Systems for Big Data Scenarios*

- AI**
Proposed the "All in AI" strategy
Product Innovation: Collaborated with Ascend AI to launch the computing all-in-one machine
Product Innovation: Developed the AIRUNS Scheduling Platform, AIRUNS Training and Deployment Platform, and released enterprise-level AI applications such as the RAG+ solution, visual solution, and digital human solution

Honors

- 2024 Top 100 Software and Information Technology Service Competitiveness Enterprises**
Awarding Authorities: China Electronic Information Industry Federation
- Top 10 Contributors to Digital Transformation**
Awarding Authorities: CCIDnet, INFOBS
- National May Fourth Red Flag Youth League Committee**
Awarding Authorities: Communist Youth League of China
- Best Ascend Native Development Partner Award**
Ascend Night of the Huawei Connect 2024
- 2023 Outstanding Contributor to openEuler Community**
Awarding Authorities: China Electronics Standardization Institute
- 2022 Green Sustainable Development Contribution Award**
Awarding Authorities: International Green Zero-Carbon Festival
- First Prize of Artificial Intelligence Application Innovation Award Project (Solution)**
Awarding Authorities: Jiangsu Association of Artificial Intelligence
- Application Software Localization Certification**
Awarding Authorities: China Quality Certification Center
- 2022 Alibaba Cloud Partner "Joint Effort for Long-term Success" Award**
Awarding Authorities: Alibaba Cloud
- 2022 Award of Leading Enterprise in China's Software Technology**
Awarding Authorities: Organizing Committee of the 2023 China International Software & Information Service Fair
- Excellent Artificial Intelligence Product of Jiangsu Province**
Awarding Authorities: Member of Jiangsu Association of Artificial Intelligence

- 2024 Outstanding Contributor to openEuler Community**
Awarding Authorities: China Electronics Standardization Institute
- 2023 Huawei Developer Eco-Development Contribution Award**
Awarding Authorities: Huawei Developer Conference 2023
- HarmonyOS Enablement Contribution Award**
Awarding Authorities: Huawei Developer Conference 2022
- Gold Donor of the OpenAtom Foundation**
Awarding Authorities: OpenAtom Foundation
- Excellent Enterprise of Jiangsu Province**
Awarding Authorities: CPC Jiangsu Provincial Committee, People's Government of Jiangsu Province
- May Day Labor Award of Jiangsu Province**
Awarding Authorities: Jiangsu Federation of Trade Unions
- A-Category Donor Award for OpenHarmony Project Group**
Awarding Authorities: OpenAtom Foundation
- OpenHarmony Outstanding Contribution Unit**
Awarding Authorities: OpenHarmony Project Group Working Committee of OpenAtom Foundation
- 2022 Top 50 Pioneering Enterprises for Digital Transformation in China's Financial Industry**
Awarding Authorities: CCID Consulting
- 2023 Top 100 Brand Software Enterprises in the Yangtze River Delta (Jiangsu)**
Awarding Authorities: Shanghai Software Industry Association, Jiangsu Software Industry Association, Zhejiang Software Industry Association, Anhui Software Industry Association



ESG Management



Improving ESG Governance, Deepening Benefit Synergy

ESG Management

Hoperun Software always prioritizes sustainable development and, with the vision of “becoming a leader in China’s digital intelligence technology and service innovation”, integrates the philosophy of sustainability into development strategy and daily operations. The Company adheres to a green and low-carbon path and is committed to creating a positive impact and delivering value to all stakeholders.

The Company has set up a scientific and professional three-tier ESG governance structure with clear responsibilities, to promote efficient social responsibility management and ensure effective implementation in practice. To continuously deepen ESG governance, the Company will gradually explore incorporating ESG elements such as environmental management, product quality, and technological innovation into the performance evaluation system of senior management. This motivates the management to actively advance ESG initiatives, ensures ESG governance is integrated into every aspect of the Company’s production and operations, and guarantees the green, low-carbon, and high-quality development of the Company.

Board of Directors and Its Subordinate Committees

- Formulate ESG-related Strategies and Policies
- Review ESG Management Performance
- Review and Improve the Company’s Annual ESG Reports

ESG Leading Department

- Organize and Coordinate Departments and Subsidiaries to Carry out ESG Work
- Oversee the Achievement of the Company’s ESG Efforts and Report Regularly to the Decision Makers

Departments and Subsidiaries

- Implement and Execute ESG Efforts



ESG Governance Framework

Inspired Evolution: Leading the Industry with Digital Intelligence Innovation

Harmonious Cohesion: Talent Development and Growth

Symbiotic Growth: Green and Low-Carbon Practices

Harmonious Co-construction: Efforts to Create a Better Future

Shared Trust: Quality and Safety for Win-win Benefits

Harmonious Governance: Compliance for Steady and Long-term Success

Communications with Stakeholders

The Company attaches great importance to the expectations and demands of stakeholders. During the Reporting Period, the Company continued to engage in communication with stakeholders through channels such as surveys, to understand and respond to their concerns and expectations, and incorporate their feedback as an important consideration in organizational decision-making to help continuously improve sustainable development management.

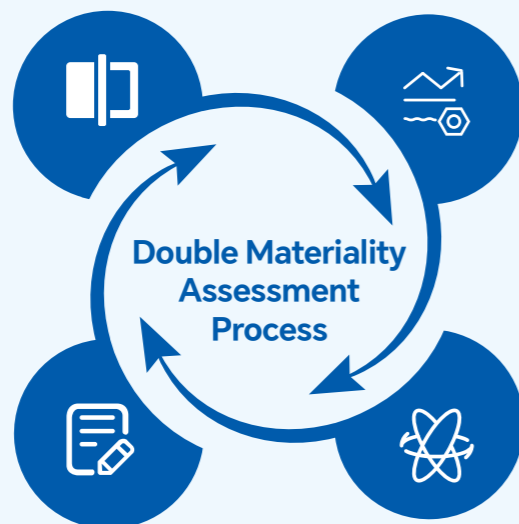
Stakeholder Category	Demands and Expectations	Communication and Response
<p>Government and Regulatory Agencies</p>	<ul style="list-style-type: none"> · Tax Compliance · Business Ethics and Anti-corruption · Anti-unfair Competition 	<ul style="list-style-type: none"> · Make Information Disclosure · Perform Supervision and Inspection · Implement Responsible Marketing Management
<p>Suppliers and Partners</p>	<ul style="list-style-type: none"> · Win-win Cooperation · Equal Treatment of Small and Medium-Sized Enterprises 	<ul style="list-style-type: none"> · Create a Responsible Supply Chain · Ensure Contract Execution
<p>Investors and Shareholders</p>	<ul style="list-style-type: none"> · Protection of Shareholders’ Rights and Interests · Risk Management · Improvement of Corporate Governance 	<ul style="list-style-type: none"> · Drive Improved Business Performance · Improve Internal Control · Improve Information Disclosure
<p>Employees</p>	<ul style="list-style-type: none"> · Compensation and Benefits · Health and Safety · Employee Promotion · Employees’ Rights and Interests 	<ul style="list-style-type: none"> · Enhance Compensation and Benefits · Organize Regular Health Checkups and Workplace Inspections · Improve Training and Promotion Mechanism · Protect Employees’ Rights and Interests
<p>Customers</p>	<ul style="list-style-type: none"> · Product Quality Assurance · Protection of Customers’ Rights and Interests · Information Security and Privacy Protection 	<ul style="list-style-type: none"> · Strengthen Product Quality and Service Management · Conduct Customer Satisfaction Surveys · Conduct Information Security Risk Assessment
<p>Community, Public, and Media</p>	<ul style="list-style-type: none"> · Improvement of People’s Livelihoods · Public Welfare and Charity · Community Communication · Public Opinion 	<ul style="list-style-type: none"> · Contribute to Rural Revitalization · Conduct Donations for Public Welfare · Make Regular/Ad Hoc Communication · Participate in Media Interviews

Materiality Assessment

The Company conducts a materiality assessment based on the principle of double materiality, by reference to the *Shenzhen Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 17 - Sustainability Report (for Trial Implementation)* and the *Global Reporting Initiative (GRI) Sustainability Reporting Standards*. Through questionnaires and based on the realities of the Company, topics are ranked and analyzed from two dimensions: "Materiality of Impact on Finance of the Company" and "Materiality of Economic, Social and Environmental Impacts". A total of 25 material topics were systematically identified, including 4 topics with financial materiality. These topics with financial materiality are specifically addressed in this report.

Background Analysis and Topic Identification

The Company took full account of ESG-related standards, industry background, and capital market trends, 25 material topics were identified through survey questionnaires.



Assessment Results to Guide ESG Disclosure and Practices

The Company carried out ESG disclosure and practice enhancement based on the assessment results.

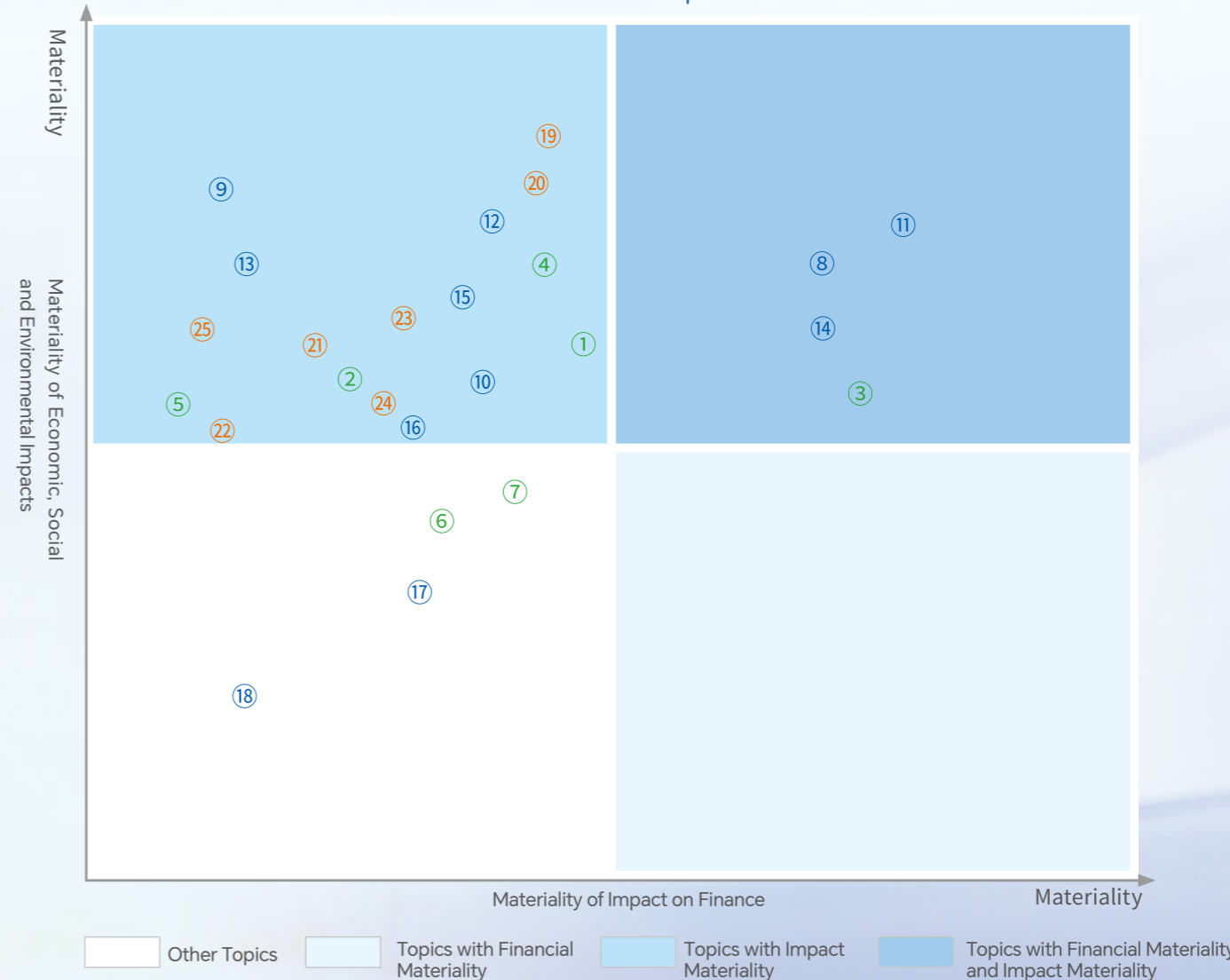
Double Materiality Assessment

- Impact Materiality Assessment: Surveys of external stakeholders, and assessment by external ESG experts
- Financial Materiality Assessment: Surveys of internal stakeholders, as well as review and confirmation

Double Materiality Assessment

Based on the assessment data, a materiality matrix for Hoperun Software for 2024 was developed to determine the material topics and their priorities for the year

Matrix of Material Topics



Category	Topics
Topics with Financial Materiality and Impact Materiality	⑪ Innovation-Driven Development, ⑫ Protection of Employees' Rights and Interests, ⑬ Information Security and Privacy Protection, ⑭ Response to Climate Change
Topics with Impact Materiality	① Protection of Shareholders' Rights and Interests, ② Corporate Governance Compliance, ③ Environmental Compliance Management, ④ Energy Utilization, ⑤ Water Resource Utilization, ⑥ Green Products and Services, ⑦ Employee Training and Development, ⑧ Occupational Health and Safety, ⑨ Product Safety and Quality, ⑩ Protection of Customers' Rights and Interests, ⑪ Anti-Commercial Bribery and Anti-Corruption, ⑫ Anti-Unfair Competition, ⑬ Tax Compliance, ⑭ Risk Management, ⑮ Contribution to Society, ⑯ Responsible Supply Chain Management, ⑰ Due Diligence
Other Topics	⑱ Waste Disposal, ⑲ Ecosystem and Biodiversity Protection, ⑳ Equal Treatment of Small and Medium-Sized Enterprises, ㉑ Rural Revitalization

01

Inspired Evolution: Leading the Industry with Digital Intelligence Innovation

Our Philosophy

Hoperun Software is deeply specialized in the field of next-generation information technology. The Company integrates advanced technologies with industries and forges the core competitiveness and innovation engine of the Company through digital intelligence technology and innovative services. Based on localized operating systems and AI core technologies, the Company independently develops integrated software and hardware products and solutions, and establishes a full lifecycle software service system to assist in the digital transformation and intelligent upgrade of all industries.

Our Actions

- Innovation-Driven Development

Responded
SDGs



Building an Innovative Ecosystem, Leading in Development Momentum

Innovation-Driven Governance

Hoperun Software is committed to leveraging technological innovation as the engine to create core competitiveness and drive high-quality development through innovation. The Company has formulated the *Management Measures for R&D Projects* and established an R&D project management organization system centered around the Strategic Technology Center. The responsibilities of each department are clearly defined to ensure the efficient advancement of R&D projects and continuously inject innovation momentum into the high-quality development of the Company. Throughout all R&D processes, the Company always upholds the principles of ethics of science and technology, and strictly complies with relevant laws, regulations and industry standards, to ensure the transparency, fairness, and sustainable development of R&D processes. During the Reporting Period, no R&D activities involving any violations of the ethics of science and technology occurred in the Company.

Hoperun Software understands that intellectual property is the lifeblood of innovation and development, and always follows the intellectual property management policy of "innovation incentives, effective utilization, standardized management, and value enhancement". In strict compliance with applicable laws and regulations such as the *Copyright Law of the People's Republic of China*, the *Patent Law of the People's Republic of China*, and the *Trademark Law of the People's Republic of China*, the Company has formulated the *Intellectual Property Management Manual*, the *Measures for the Management of Patent*, and the *Measures for Intellectual Property Rewards*, to build a sound intellectual property management system. The President of the Company, as the first responsible person, exercises the right to manage intellectual property rights, and the President's Office staffed with dedicated personnel takes charge of the intellectual property management of the Company to ensure the standardization and effectiveness of intellectual property management. In addition, the Company has established incentive bonuses covering aspects such as R&D projects, intellectual property and achievement transformation, to fully recognize the contributions of R&D personnel, stimulate the innovation potential of employees, and promote the practical application and commercialization of R&D achievements. In 2024, the Company awarded patent achievement bonuses to 22 employees, and software copyright achievement bonuses to 24 employees.

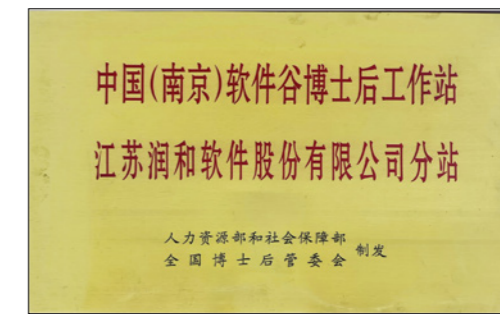


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Certification



High-tech Enterprise Certificate of Hoperun Software



China (Nanjing) Software Valley Post-doctoral Work Station Hoperun Software Branch



The Company has established **1** post-doctoral workstation, and got certified as a National High-Tech Enterprise.

The subsidiaries of the Company have received **6** "National High-Tech Enterprise" certifications and **2** "Specialized and Sophisticated Enterprise that Produces Novel and Unique Products" certifications.

Innovation-Driven Development Strategy

Based on localization and independent innovation, Hoperun Software is committed to becoming a globally-leading professional service provider for IoT, edge intelligence and digital intelligence applications. To enhance the Company's independent innovation capabilities, the Company has identified risks and opportunities related to R&D and innovation as set out in the table below:

Risk Type	Description of Risk	Probability of Occurrence	Extent of Impact	Duration of Impact	Value Chain Links Impacted	Priority Ranking	Potential Financial Impact	Countermeasures
Intellectual Property Risks	These include risks of intellectual property infringement and technology leakage, which may lead to legal disputes and economic losses.	Low	Medium	Short and medium term	Operation links	Medium	Cost increase	(1) Establish a sound intellectual property risk management system to clarify the goals, principles, responsibilities, and processes of intellectual property risk management; (2) sign confidentiality agreements on intellectual property with employees and partners to limit the dissemination of software information and reduce technology leakage risks; and (3) protect the Company's R&D innovation results through measures including patent applications, copyright protection and trademark registration during the R&D process.
Financial Risks	Cost overruns may occur in the R&D process and impact the Company's financial condition.	Low	Medium	Short and medium term	Operation links	High	Cost increase	(1) Conduct comprehensive risk assessments for R&D projects in all aspects and stages, and evaluate R&D costs to determine specific values and applicable scope; and (2) hold monthly/quarterly risk review and analysis meetings to ensure the R&D team obtains necessary resources, perform the warning, analysis, and monitoring of risks during the R&D process, and make clear decisions on whether to terminate or continue R&D projects.

Opportunity Type	Description of Opportunity	Probability of Occurrence	Extent of Impact	Duration of Impact	Value Chain Links Impacted	Priority Ranking	Potential Financial Impact	Countermeasures
Opportunities in Technological Breakthroughs	Through technological innovation, the Company can develop core technologies with independent intellectual property rights, thereby taking a leading position in the market. This technological leadership enhances the competitiveness of the Company and also brings substantial profit returns.	High	High	Short, medium and long term	Operation links	High	Increase in operating income or profit	(1) Encourage R&D innovation, establish a sound incentive mechanism for scientific research innovation, and motivate R&D talent; (2) pay attention to industry trends and technological developments, introduce new technologies and talents, seize technological breakthrough opportunities, and improve the team's technical level and responsiveness; and (3) strengthen intellectual property management to protect R&D innovation achievements.
Opportunities in Market Leadership	The emergence of new technologies often opens up new market segments, and the Company can seize this opportunity to rapidly expand market share and realize rapid business growth.	High	Medium	Short and medium term	Operation links	High	Increase in operating income	(1) Continuously invest in the development of new technologies, stimulate innovation, maintain the advantage of new technologies, and promote the commercialization of new technologies; (2) follow market trends, clarify development direction, and formulate corresponding marketing strategies; (3) actively expand into international markets, engage in international exchanges and cooperation, learn advanced technologies and management experience, and enhance market competitiveness.

Impact, Risk, and Opportunity Management

Hoperun Software has established a sound R&D innovation risk and opportunity management process, and formulated internal regulatory documents such as the *Intellectual Property Risk Management Control Procedures* and the *Intellectual Property Early Warning Mechanism*, to ensure the timely and accurate identification of risks with forward-looking risk management and normalized risk monitoring approaches. The Company attaches great importance to each R&D achievement and promptly applies for patents, trademarks, copyrights and other intellectual property rights to ensure that the R&D achievements are effectively protected. In addition, the Company carries out intellectual property due diligence to gain an in-depth understanding of the intellectual property rights of existing technologies, assess relevant potential risks, and monitor the IP landscape within the industry in the industry to prevent infringement of third-party intellectual property rights. We also enhance employees' awareness of intellectual property protection by providing intellectual property-themed training, holding intellectual property seminars, and inviting experts to explain applicable laws and regulations. This provides strong support and solid protection for the innovative achievements of the Company.



Metrics and Targets for Innovation-Driven Development

Hoperun Software keeps pace with industry development trends and technological advancements, and continues to innovate and develop new products and technologies. By breaking down the vision into clear and specific annual R&D goals and tasks, the Company promotes the enhancement of independent R&D capabilities, promptly meets the actual needs of the market and customers, and ensures that the Company continues to lead in the fierce market competition.





Strategic Objective

Focus on innovative businesses such as ITAI and AI, continuously invest in R&D, and vigorously promote commercialization to achieve the Company's transformation towards productization and platformization.

Achievement During the Reporting Period

- Improvement of Organizational Structure**
 Establish a strategic development center oriented to the commercialization and incubation of innovative products.
- During the reporting period, the Company focused its R&D investment on the following key projects:**
 - Hoperun AI Integrated Hardware-Software Platform Project
 - RAG + Agent Management Platform Project
 - HopeAITest Financial AI Testing Platform Project
 - Intelligent Distributed Collaborative Operating System Project Based on openEuler
 - Intelligent Terminal Product Development Project Based on Rise-V and OpenHarmony
 - Unified Distributed Soft Bus Interconnection Communication System Project
- Construction of Collaborative Ecosystem**
 Continuously empower the digital and intelligent transformation and upgrade of industries such as finance, energy, power, smart cities, healthcare, and education.

Goals for 2025

- Expansion of Product and Industry Empowerment**
 Continuously build an innovative business product system and improve product performance;
 Continuously deepen the development of advantageous fields and expand the depth and breadth of industry empowerment.
- Enhancement of Technological R&D and Innovation**
 Increase investments in R&D of independent and controllable technologies to drive technological innovation and build new quality productive forces.
- Reinforcement of Talent Team Building**
 Train and introduce a group of high-quality R&D and management talents to provide talent support for the long-term development of the Company.

Long-term Goal

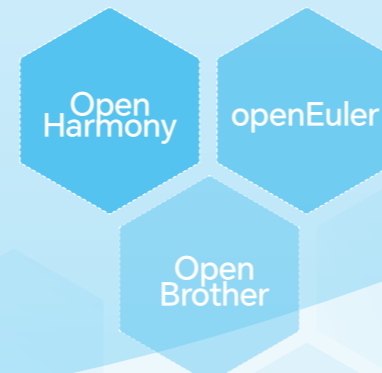
- Continuous Innovation and Development**
 Keep up with industry development trends and technological advancements, and continuously innovate and develop new products and technologies.
- Deepening of Cooperation**
 Continuously deepen the partnership with global famous enterprises to empower the industry and prosper the ecology.
- Brand Building and Corporate Culture**
 Strengthen the construction of brands and corporate cultures, and enhance employees' sense of belonging and cohesion.

Enabling Digital Intelligence Transformation, Co-Shaping Sound Industry Ecosystem

In the wave of digital economy, Hoperun Software is a provider of core products, solutions, and services based on next-generation information technologies to global customers. The Company adheres to a development strategy focused on localization, digitization, and intelligence. With localized operating systems, artificial intelligence, and other core technologies as driving engines, the Company strives to achieve independent innovation, industry empowerment, and ecosystem prosperity. By driving industry empowerment in sectors such as finance, power, energy, industry, healthcare, and education, the Company meets the digital upgrade and transformation needs of industry clients and helps clients achieve value enhancement.

Co-construction of Industry Ecology

Hoperun Software has long regarded the ecological construction and commercial development of OpenHarmony, openEuler and other open-source projects as an important strategy, and actively contributes to the community. As early as 2020 when the OpenAtom Foundation was established, Hoperun Software joined and deeply participated in the construction of open-source projects, and became one of the first donors. In March 2023, the Company officially upgraded to a gold donor, aiming to participate in related open-source work and make contributions at a higher level and a broader scope. Up to now, Hoperun Software, as a core contributor, has deeply participated in the construction of three open-source projects including OpenHarmony, openEuler, and SourceBrother.



OpenHarmony

OpenHarmony is an intelligent terminal operating system for all scenarios.

As one of the seven initial member units of the OpenHarmony project group, an A-category donor, a core contribution unit, a core partner of HarmonyOS ecosystem service companies, and a deep contributor to the HarmonyOS ecosystem, Hoperun Software has been deeply devoted to the construction of the OpenHarmony ecosystem. The Company focuses on the foundation of localized digital technologies, and provides all industries (represented by vertical industries) with OS distributions and solutions for terminal commercial equipment deeply integrating industry characteristics and business scenarios. The Company has empowered a number of industry sectors such as finance, energy, power, smart city, healthcare and education.

On December 28, 2021, the Company officially released HiHopeOS, the first all-scenario intelligent IoT operating system based on OpenHarmony in China. As of the end of the Reporting Period, the Company has launched 12 software distributions for different industries, ranking first in the community in terms of the number of such distributions.

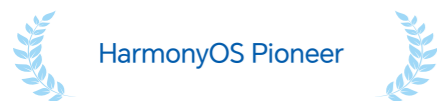




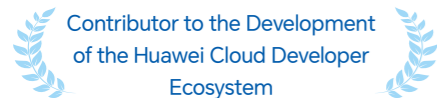
Diamond Service Provider for the Development and Training of HarmonyOS Native Application



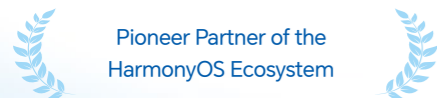
Excellent Development Service Provider in the HarmonyOS Ecosystem



HarmonyOS Pioneer



Contributor to the Development of the Huawei Cloud Developer Ecosystem



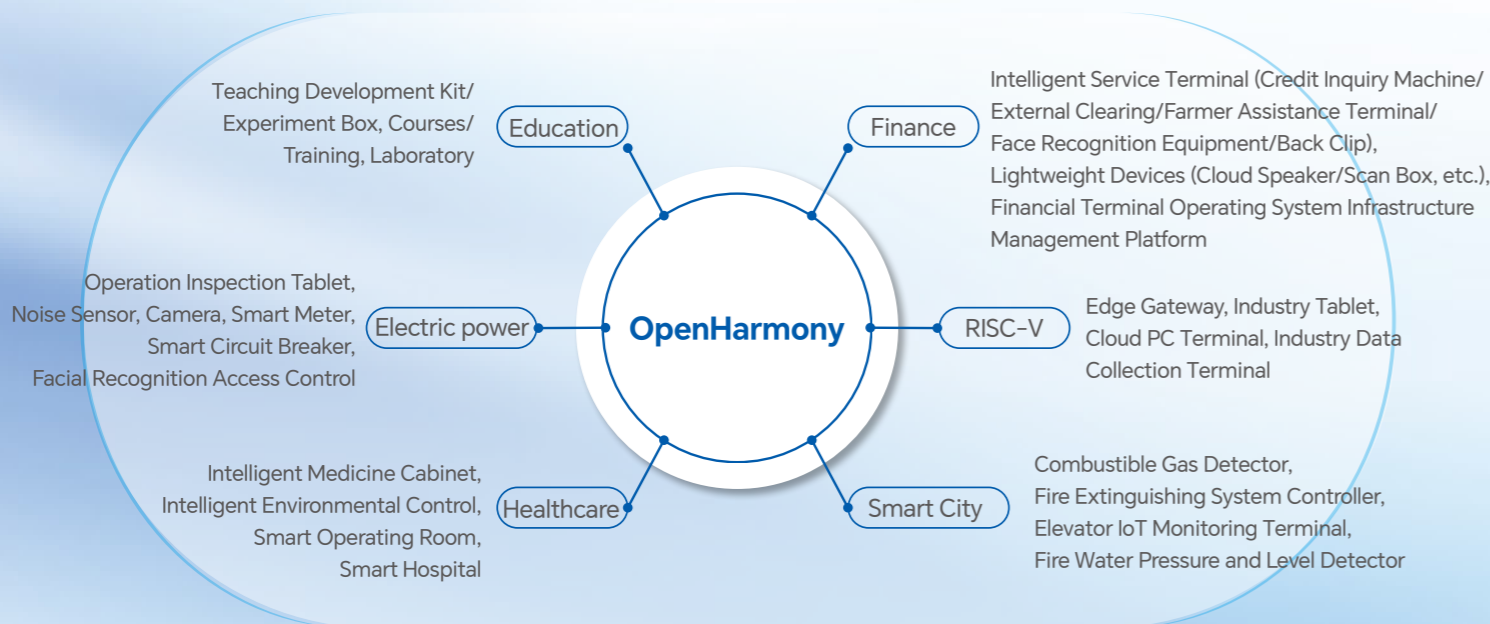
Pioneer Partner of the HarmonyOS Ecosystem

In the field of HarmonyOS native applications, the Company, as a HarmonyOS development service provider, has created a one-stop solution for HarmonyOS native application development, covering three major modules: talent empowerment, consulting enablement, and development delivery. This solution is designed to specifically address the pain points faced by application vendors, such as the lack of HarmonyOS native application development talent, insufficient awareness, and difficulty in quickly implementing applications.

As a core partner and deep participant in the HarmonyOS ecosystem, Runkaihong, a subsidiary of the Company, has received multiple prestigious awards, including the “Diamond Service Provider for the Development and Training of HarmonyOS Native Application”, the “Excellent Development Service Provider in the HarmonyOS Ecosystem”, the “HarmonyOS Pioneer”, the “Contributor to the Development of the Huawei Cloud Developer Ecosystem” and the Pioneer Partner of the HarmonyOS Ecosystem”.

In the RISC-V field, the Company combines OpenHarmony with RISC-V based on the national requirements for security, independence and controllability, making the “RISC-V + OpenHarmony” dual open-source full-stack solution highly promising in terms of independence and controllability. RISC-V is on the edge side, and its characteristics such as open source, simplicity, ease of implementation, and strong high complement the multi-terminal collaboration and elastic deployment of the distributed capabilities of OpenHarmony, meeting the requirements for fragmented and all-scenario characteristics in the era of Artificial Intelligence of Things (AIoT).

In the SparkLink field, as an ecosystem partner of leading chip design companies in China and a member of the International SparkLink Alliance, the Company has launched a number of self-developed “SparkLink + OpenHarmony” products based on SparkLink solutions such as modules, development boards, development kits, and SparkLink gateways, which can be widely applied in the field of IoT smart terminals. The Company is currently carrying out commercial pilots and business deployments in industries such as power, coal, education, etc.



OpenHarmony Business Layout of Hoperun Software

Contribution to TOP Codes

Cumulative Contribution of Over 770,000 Lines of Main Repository Codes

3 Core SIG Deep Participations

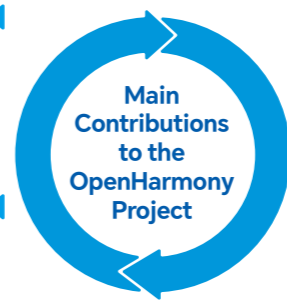
- DeV-Board-SIG Group Leader
- LoongArch-SIG Group Leader
- RISC-V SIG Core Contributor

2+N Key Industries for Applications

- Deep Engagement in Finance/Power
- Enabling Smart Cities/Healthcare/Industry/Education.....

3 Major Series of Hardware

- Pegasus Series
- Neptune Series
- Dayu Series



41 OpenHarmony Compatibility Certificates

- 12 Software Distribution Certificates
- 24 Module/Development Board Certificates
- 5 Commercial Device Certificates
- Over 40 Enabler Partner Devices

12 Software Distributions

- HiHopeOS IoT Edition
- HiHopeOS Standard Edition
- Distributions for Industries of Finance/Power/Smart City/ Education/Healthcare

23 Adaptive Chips

- 5 of which have entered the OpenHarmony backbone:
- HiSilicon Hi3861V100 • Rockchip RK 3588
- HiSilicon Hi3516DV300 • WinnerMicro W800
- Rockchip RK3568

(Note: Data as of the End of 2024)

Products and Solutions

- HiHopeOS software distributions released continuously to follow up on OpenHarmony community version iterations (HiHopeOS Standard Edition V2.0, HiHopeOS RC1 IoT Edition System V1.0, HiHopeOS Financial Standard Edition V1);
- AI smart terminals and solutions based on RISC-V & OpenHarmony full-stack dual open-source technology foundation;
- OpenHarmony-based fire prevention and control systems for electric vehicle sheds and city gas monitoring solutions for the field of urban IoT sensing safety;
- OpenHarmony-based intelligent connect solutions for oil and gas production;
- A product matrix of intelligent environmental control solutions for the healthcare sector, including rapid microbial detectors and intelligent sterilization robots;
- SourceBrother-based OH-CODE brand and programming platform products for IT education at primary and secondary schools;
- A series of products including the Kaiwu Series, Wanxiang Series, Lingyu Series, and Runwu Series for industry-education integration, and construction plans for HarmonyOS all-scenario inspection training robots and the training base for 1+5+N industry-education integration (industrial colleges);
- A one-stop development and empowerment solution “Hongtongxue” for HarmonyOS native applications

Co-construction of Ecosystem

- Contribution to OpenHarmony Codes: 770,000+ lines of main repository code, ranking top in the community;
- 41 OpenHarmony compatibility certificates, including 12 software distribution certificates, ranking first in the community;
- OpenAtom Competition: Embedded Development Competition Based on Loongson CPU and OpenHarmony;
- OpenHarmony chip adaptation for 23 models, with full coverage of ARM, LoongArch, and RISC-V architectures;
- 6 Ambassadors, 4 MVPs, and 1 Gold Code Master of OpenHarmony Developer Incentive Program;
- Training Instructors for HarmonyOS Native Application Development: 10+ "Hongtongxue" instructors of Runkaihong received the first batch of instructor certification in China;
- Group Leader Unit of OpenHarmony Brand Management Group, Deputy Group Leader Unit of OpenHarmony Education Working Group;
- Member Unit of the Public Safety Subcommittee of the OpenHarmony Ecological Committee;
- Vice President of the OpenHarmony Financial Payment Subcommittee, Vice President of the OpenHarmony Power Subcommittee, Vice President of the OpenHarmony Education Subcommittee, Vice President of the OpenHarmony Medical and Health Subcommittee, Vice-Chairman Unit of the Oil & Gas Subcommittee under the OpenHarmony Ecosystem Committee, and Member Unit of the OpenHarmony Ultra High Definition Subcommittee.



Software Distribution Certificates

Development Board Certificates

Commercial Equipment Certificates

Compatibility Certificates for Selected OpenHarmony Ecosystem Products

Case Study | Attending the OpenHarmony Developer Conference 2024

In May 2024, the OpenHarmony Developer Conference 2024 kicked off in Shenzhen. In the awarding ceremony at the main forum of the conference, Runkaihong, the subsidiary of the Company, was awarded the OpenHarmony Project Group A-Category Donor Award, the 2023 Top 100 Code Contributor Award, the Authorized OpenHarmony Training Partner of OpenAtom Foundation, and the Member Unit of the Public Safety Subcommittee under the OpenHarmony Ecosystem Committee. At the awarding ceremony of the OpenHarmony Developer Incentive Program, 7 ecological and technical experts from Runkaihong were awarded individual contributor awards, including 4 MVPs, 1 Gold Code Master, and 2 Ambassadors, and the number of recognized individual contributors ranking top of contributors.



OpenHarmony Developer Conference 2024

Case Study | Attending the OpenAtom Open Source Eco-Conference 2024

In September 2024, the OpenAtom Open Source Eco-Conference 2024 kicked off in Beijing. Hoperun Software, as a gold donor of the OpenAtom Foundation, was invited to attend the conference and showcased its open-source brand building, technological innovation, industry empowerment, and achievements in ecosystem construction in an all-round and diversified way.

Hoperun Software's exhibition area focused on showcasing the phased new breakthroughs and achievements in the construction of three important open-source projects: OpenHarmony, openEuler, and SourceBrother. These projects involve key areas such as smart power, smart healthcare, smart cities, smart governance, smart education, and industry-education integration, as well as the industry application of the SparkLink technology route and new technological innovations. Hoperun Software continues to invest in open-source ecosystem contributions and has been awarded numerous honors, including the 2023 OpenHarmony Outstanding Contribution Unit and the 2023 Outstanding Contributor for the openEuler Community.



Exhibition Booth of Hoperun Software

Case Study | Attending the 3rd OpenHarmony Technical Conference

In October 2024, the 3rd OpenHarmony Technical Conference was grandly held at the Shanghai World Expo Center. As an initial member unit of the OpenHarmony Project Group, an A-category donor, a core contributor, and one of the main supporting units of the TSC, Runkaihong was invited to give themed presentations at multiple sub-forums and participate in two key sessions: "OpenHarmony Unified Interconnection PMC" and "Pre-launch of OpenHarmony 5.0 Release Version". Runkaihong made its debut at this conference with a completely new brand, focusing on showcasing its new progress and industry practices in technology innovation, ecosystem construction, and talent cultivation based on OpenHarmony.



OpenHarmony Technical Conference

openEuler

openEuler is an open-source operating system for digital infrastructure.

Hoperun Software deeply participates in the “co-construction, sharing, and public governance” of the openEuler Project Group and is a gold donor, an openEuler talent evaluation partner, and one of the major contributors to the openEuler Project Group of the OpenAtom Foundation. The Company holds seats in key governance bodies within the openEuler Project Group, including the Technical Committee, the Brand Committee, the User Committee, and the User Working Group, and jointly initiated the establishment of the “openEuler Industrial Operating System Preparation Committee”, to sort out and define the application scenarios of the industrial operating system in collaboration with the industrial chain.

HopeOS V22, the enterprise operating system developed by Hoperun Software based on openEuler, has released several enhanced versions for different application scenarios, including Big Data, AI, and Embedded Editions. It has evolved from a single product into a product family that adapts to different business scenarios, enabling the localized substitution needs for operating systems across industries. This has led to the commercial implementation of operating systems in sectors such as server pre-installation, energy, power, healthcare, finance, and telecommunications.

Development History of openEuler Business in Hoperun Software

- 2021.03**
 - Joined the openEuler Open Source Project.
 - Took the lead in launching HopeOS, an operating system distribution for general-purpose servers, based on 20.03LTS5.
- 2022.06**
 - Completed the compatibility certification of HopeOS with manufacturers of chips, databases and middleware.
 - Collaborated with leading ISVs like State Grid, Hundsun Technologies, and Power China to develop customized editions.
- 2023.03**
 - Became an openEuler gold donor and secured a seat in the Work Committee.
 - Launched HopeOS V22 based on 22.03LTS, a distribution for digital intelligence.
- 2024.11**
 - Released the first AI-native OS of Hoperun Software – HopeOS V24 (server edition), which is a commercial distribution based on openEuler 24.03 LTS.

Initiatives to Promote Ecosystem Construction

Contribution to Community Codes

Consistently rank among the top in contributions to PRs, Issues, and Comments within the openEuler community. Initiate and establish several technical interest groups such as SIG-Compliance, SIG-aarch32 and SIG-Distributed-middleware, and contribute codes to over 10 core SIG groups such as SIG-CloudNative, SIG-Release, and SIG-Raspberry.



Promotion of Industry Technology Advancement

Prepare and publish two important technical documents: the *Technical Whitepaper of openEuler OS (Overview of Innovation Projects)*; and the *Whitepaper of Application and Ecosystem Development of openEuler OS in the Power Industry*.



Enhancement of Talent Development

Participate in the establishment of the openEuler talent assessment system and certification qualification requirements, and scale up specialized operating system personnel certified through the openEuler community qualification, including 10+ migration certified experts (OECF-M), and 100+ openEuler certified engineers (OECA).

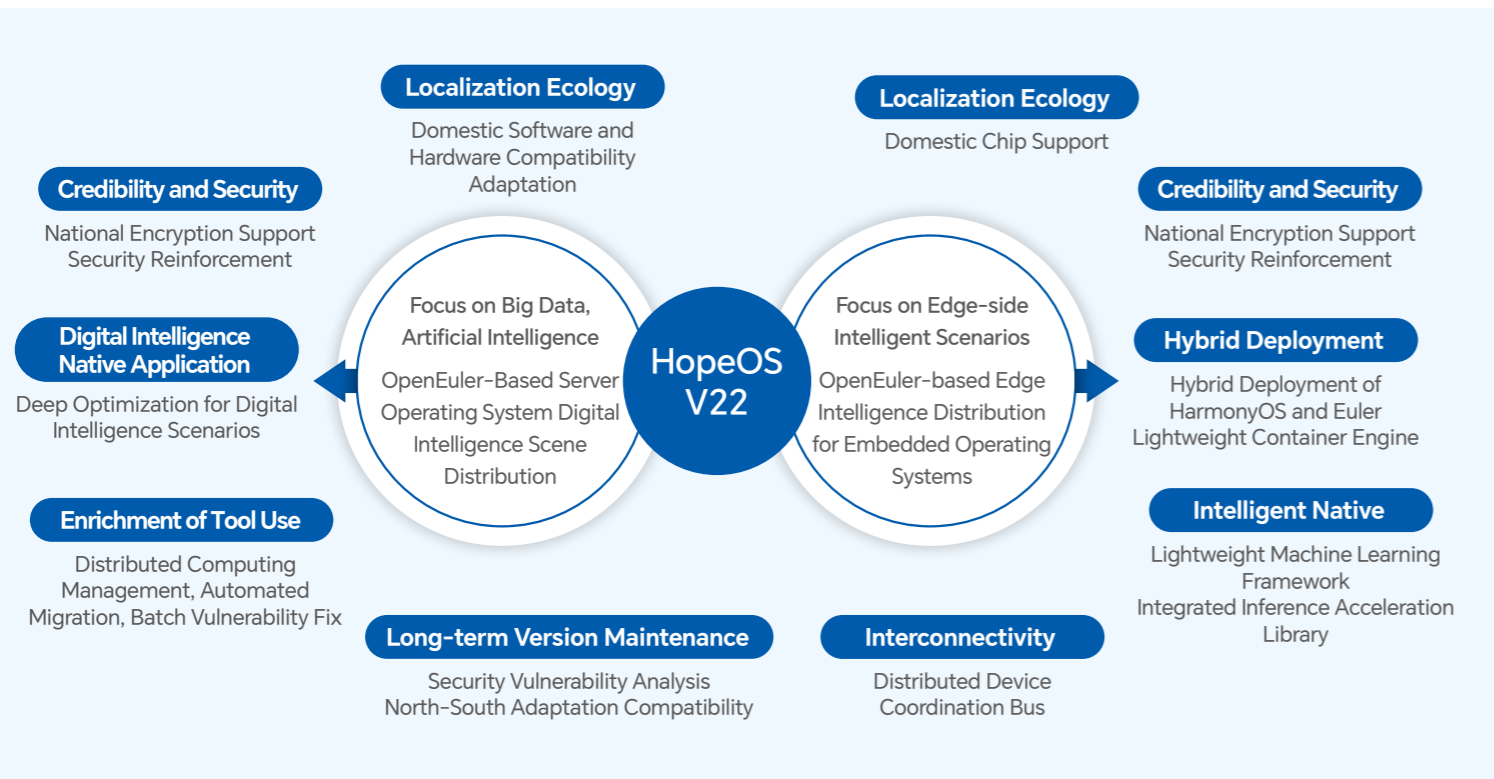


Compatibility Certificates of Selected openEuler Ecosystem Products

Case Study | HopeOS V22 – A Commercial Distribution Based on openEuler

The Company developed HopeOS V22, an enterprise security operating system based on openEuler, focused on server OSs for big data and intelligent computing scenarios, and provided products and services for embedded operating systems at edge intelligence scenarios, to ensure key technology autonomy and enterprise security & reliability.

HopeOS V22 is highly efficient, stable, and safe, and provides highly reliable, secure, and high-performance operating foundation and solutions for enterprise databases, big data, high-performance computing, and AI business platforms. It is specially optimized for enterprise big data and AI application scenarios, and offers market-leading performance and reliability advantages.



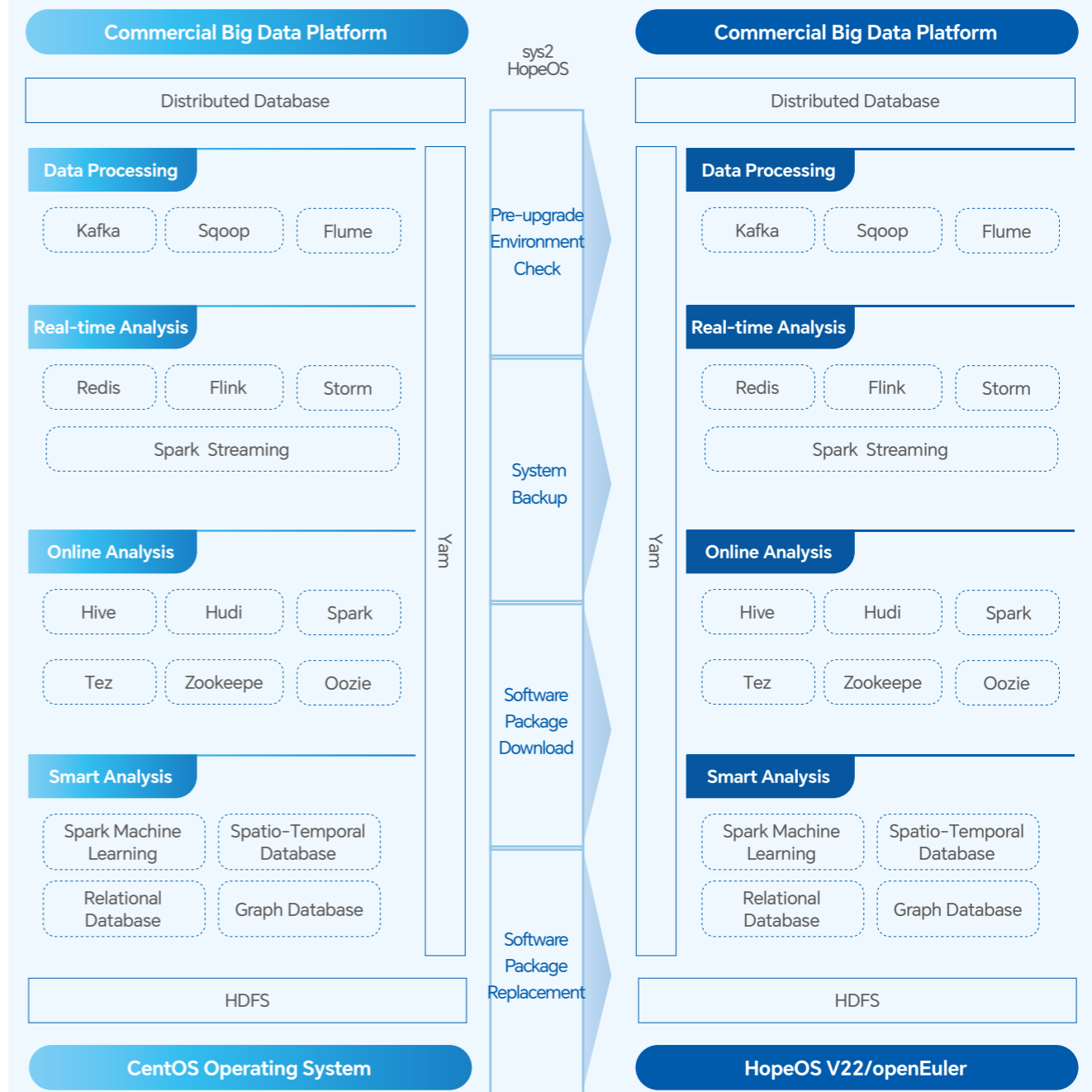
Case Study | Hoperun Software's First AI-Native Operating System - HopeOS V24

HopeOS V24 focuses on the field of digital intelligence, and provides a complete, efficient, and secure software stack solution for national economy and livelihood industries such as security, finance, power, energy, manufacturing, healthcare, and education. By upgrading core components such as the kernel, it greatly enhances functionality and performance, fully inherits the advantages of previous versions in big data and AI scenarios, achieves full-stack compatibility with the AI software stack, and significantly improves the out-of-the-box AI experience.



Case Study | Hoperun Software's Domestic Operating System In-Place Migration Solution for Big Data Scenario

To solve the core pain points of industry customers in the localized substitution of operating systems for big data scenarios, Hoperun Software has developed its own sys2HopeOS migration tools based on its HopeOS (an enterprise operating system) and x2openEuler (a community open-source migration tool). After nearly a year of development, it has officially released the *Hoperun Software's In-Place Migration Solution of Domestic Operating Systems for Big Data Scenarios*. The solution is suitable for customers using mainstream big data platforms such as HDP, CDH, and FusionInsightHD, to achieve the localized substitution of operating systems without replacing any hardware.





Hoperun Software Hosting openEuler 24.03 LTS Release and Community Technical Innovation Meetup in Nanjing



Participation in 2023-2024 openEuler Technical Committee Meeting



Attendance at openEuler SIG Gathering 2024

Case Study | Hoperun Software Winning Awards at the Operating System Conference & openEuler Summit 2024

On November 15-16, 2024, the Operating System Conference & openEuler Summit 2024 was grandly held in Beijing. Hoperun Software, with its leading technical capabilities and continuous cultivation of the industry, has been working with customers to realize innovative breakthroughs, and has helped the business case of State Grid Jiangsu Electric Power Co., Ltd. (i.e., State Grid Jiangsu Electric Power's Enterprise Cloud Application Practice Based on openEuler) won the "2024 openEuler Leading Business Practice" award.

Hoperun Software has continuously invested in the contribution to the openEuler ecosystem, with its PR contribution always ranking top in the community. For its sustained contributions to the openEuler community and outstanding efforts in the technical, business, and ecosystem fields, the Company was awarded the "2024 Outstanding Contributor of openEuler Community" award.



Hoperun Software Winning the "2024 Outstanding Contributor to openEuler Community" Award

Inspired Evolution:
Leading the Industry with
Digital Intelligence Innovation

Harmonious Cohesion:
Talent Development and
Growth

Symbiotic Growth:
Green and Low-Carbon
Practices

Harmonious Co-construction:
Efforts to Create a Better
Future

Shared Trust:
Quality and Safety for Win-
win Benefits

Harmonious Governance:
Compliance for Steady and
Long-term Success

Artificial Intelligence Platform and Solutions

In the field of artificial intelligence, Hoperun Software always adheres to application-oriented approaches and focuses on the continuous research and optimization of the AI technology. The Company is dedicated to building end-to-end solutions for enterprises, covering everything from data collection to model development, from research and deployment to practical applications. These solutions help enterprises gain an edge in intelligent transformation and drive industry upgrades and value enhancement.

In 2023, the Company released the *Strategic Whitepaper for Artificial Intelligence (AI) of Hoperun Software*, which provided a comprehensive introduction to the development background of the industry market, the "1+6+N" AI development strategy, the AI development planning, etc. In 2024, the Company proposed the "All in AI" strategy to promote AI-integrated solutions in industries such as finance, energy, and retails. Based on the AI hub platform and large model technology, the Company focuses on enterprise AI solutions, builds AIRUNS scheduling platform and AIRUNS all-in-one platform, launches all-in-one computing server based on Huawei Ascend, and releases many enterprise AI applications such as intelligent agent solutions, vision solutions, and digital human solutions, forming an AI platform and solution portfolio.

In terms of ecological construction, the AIRUNS Intelligent Hub Platform developed by the Company based on large models has passed the mutual compatibility test and certification with Huawei Ascend. The Company partnered with Huawei Ascend to launch the IntelliCore AI Solution All-in-One Machine. At the Ascend Night of the Huawei Connect 2024, the Company was awarded the "Best Ascend Native Development Partner Award" for its outstanding contributions to Ascend native developments and the Ascend ecosystem.

Additionally, the Company always focuses on technological innovation and development in large models, and actively learns advanced knowledge and concepts. The Company's self-developed AIRUNS Intelligent Hub Platform has taken the lead in fully integrating with the DeepSeek, the leading large-language model in China, and provides enterprises with a full-stack service from model training, inference optimization to business implementation, to open a new chapter in intelligent upgrading.

Improve the model development and deployment efficiency

Lower technical barriers and improve algorithm quality

Accelerate the rapid implementation of AI applications in complex and segmented scenarios

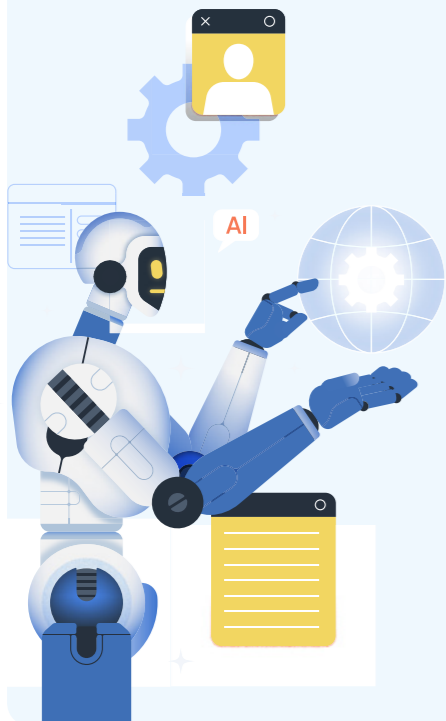
AI Technology Advantage



Ascend Compatibility Test Certificate

Case Study | New AI Hardware and Software Integrated Platform—AIRUNS 2.0

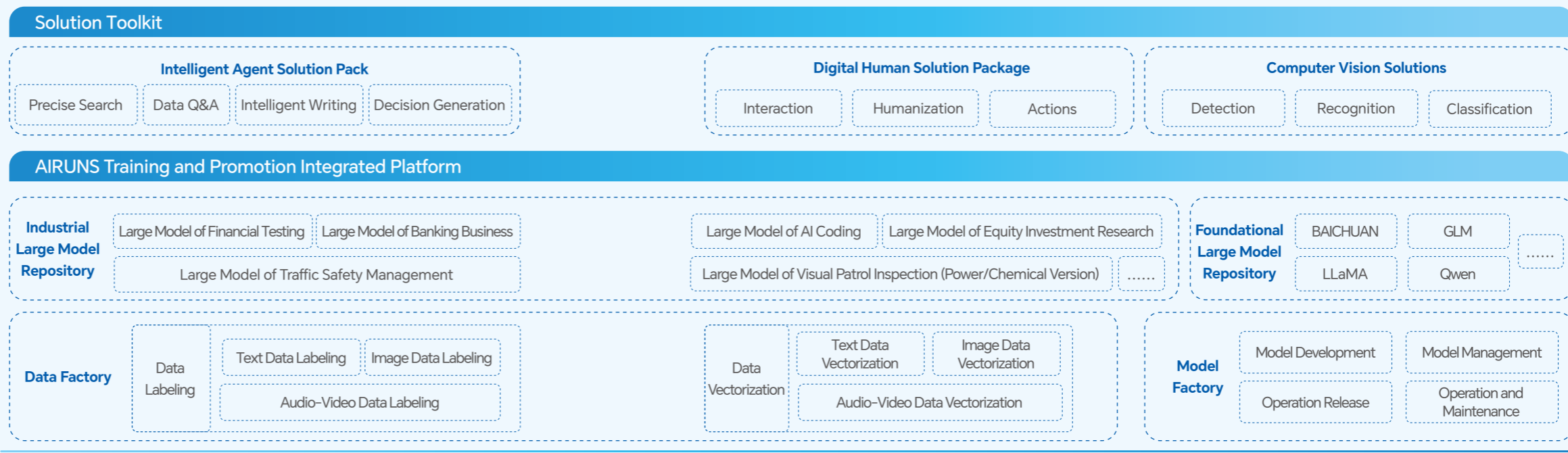
AIRUNS is a data-centric innovation platform designed to provide efficient model development and iteration capabilities. In 2024, the Company launched the new AI hardware–software integrated platform— AIRUNS 2.0, to help enterprises quickly deploy AI by enhancing full-stack AI capabilities. AIRUNS 2.0 further improves the management capabilities of core AI elements such as data and computing power. Compared to version 1.0, it focuses on strengthening five key capabilities: AI hardware–software integration, end-to-end data management, AI computing power scheduling, AI training and inference acceleration, and cloud–edge–device model deployment. This makes the implementation of AI applications more efficient and convenient, and helps enterprises quickly realize commercial value.



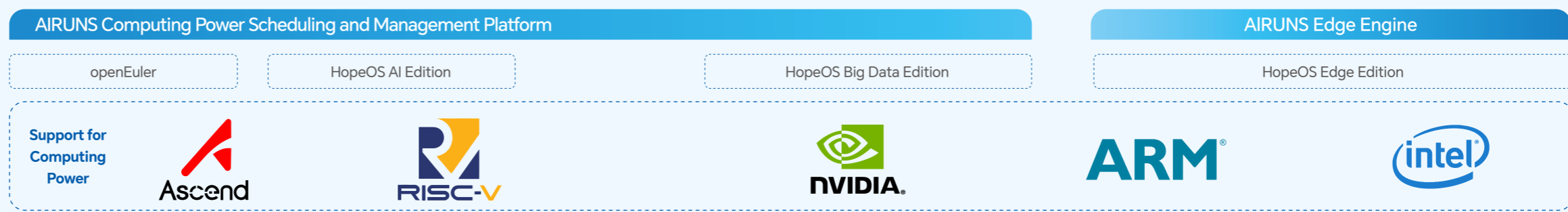
Enterprise AI Solutions



AI Solution Toolkit



AI Infrastructure



Case Study | IntelliCore AI Solution All-in-One Machine

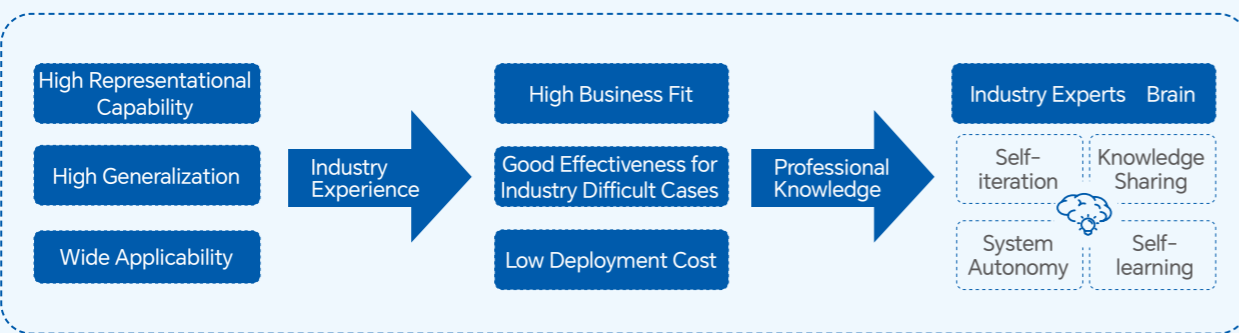
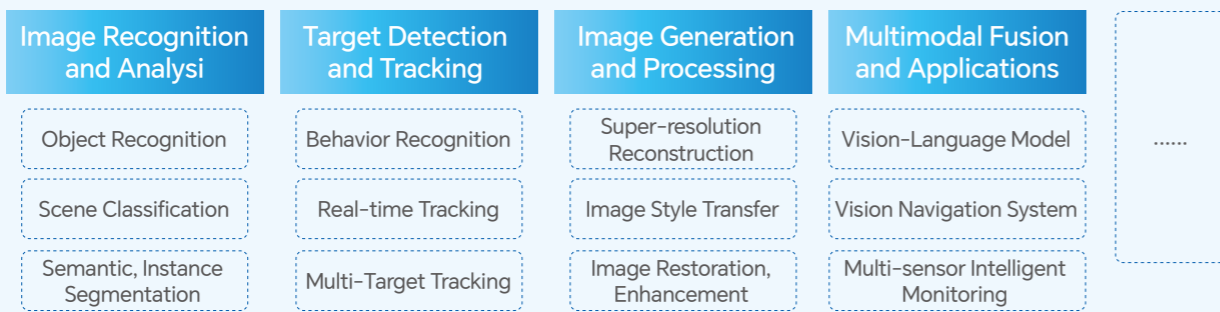
Hoperun Software, in collaboration with Ascend, launched the IntelliCore AI Solution All-in-One Machine. With the support of Ascend computing power, the machine integrates with the Hope OS components of the Company's open-source Euler Server Operating System, and achieves efficiency improvements in key areas such as computing power management, driver adaptation, operator acceleration, and model quantization. This plugin-accelerated deployment of the open-source Euler Server Operating System significantly enhances AI algorithm development and implementation efficiency under the same computing power conditions when compared to the deployment of conventional server operating systems. The IntelliCore AI Solution All-in-One Machine provides comprehensive AI and data services, and helps enterprises build new competitive advantages, including but not limited to data analysis and mining, enhanced knowledge retrieval, intelligent customer service, digital humans, and visual analysis.



IntelliCore AI Solution All-in-One Machine of Hoperun Software

Case Study | Large Model (Vision) Solution

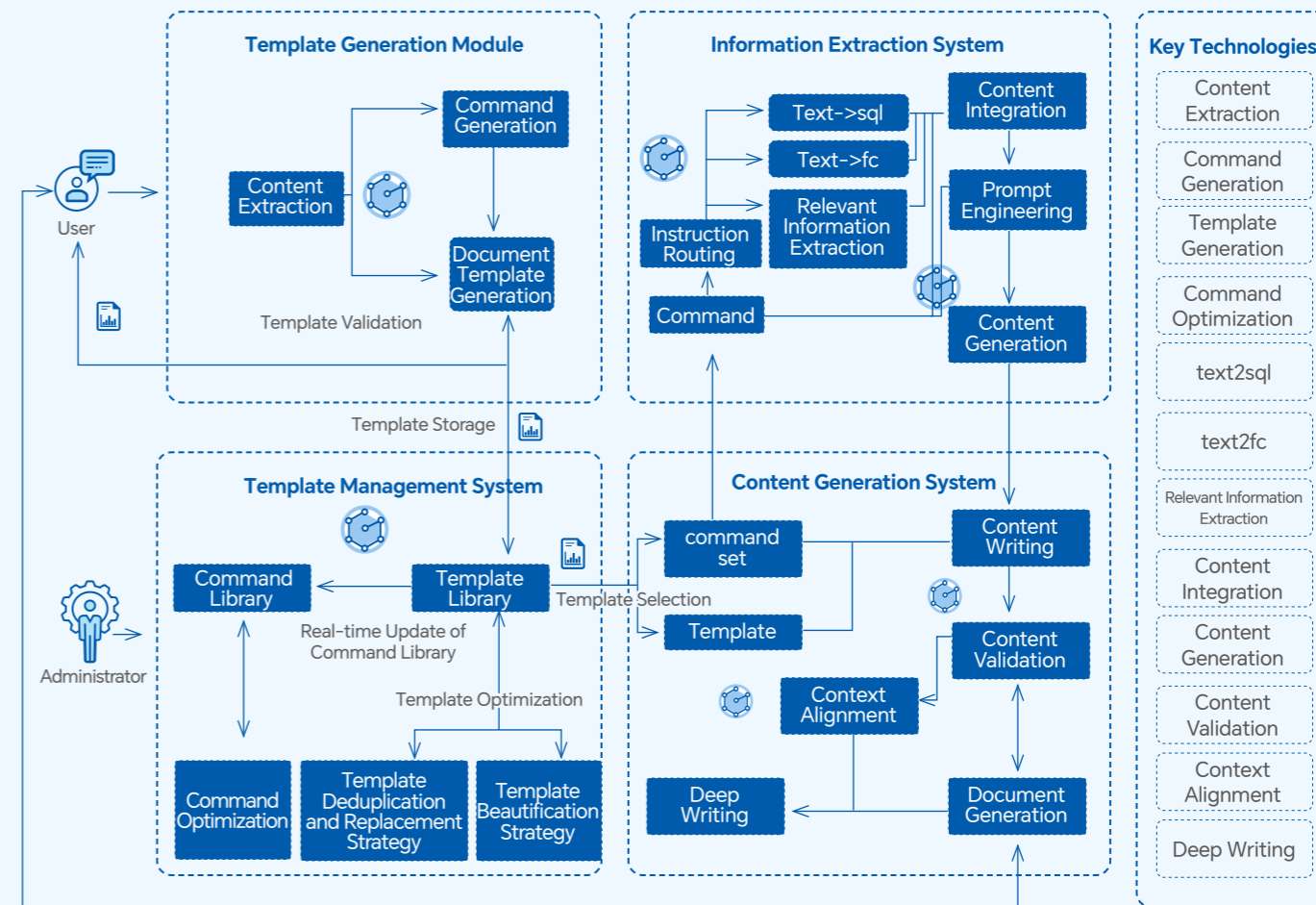
The large industrial vision model of Hoperun Software is based on multimodal large models. By combining industry experience and knowledge and integrating view resolution and natural language processing capabilities, the Company forms industry-specific large models, and further empowers professional knowledge to create expert brains for industries.



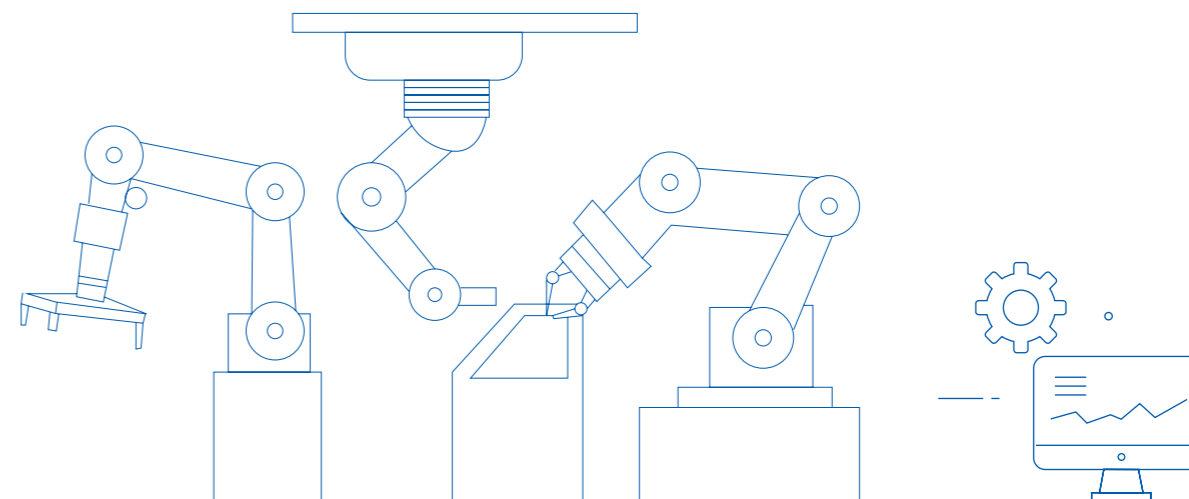
Large Model (Vision) Solution Architecture for Hoperun Software

Case Study | Large Model Intelligent Agent Solution

The solution can be used in application areas such as precise retrieval, intelligent Q&A, intelligent writing, and intelligent review.

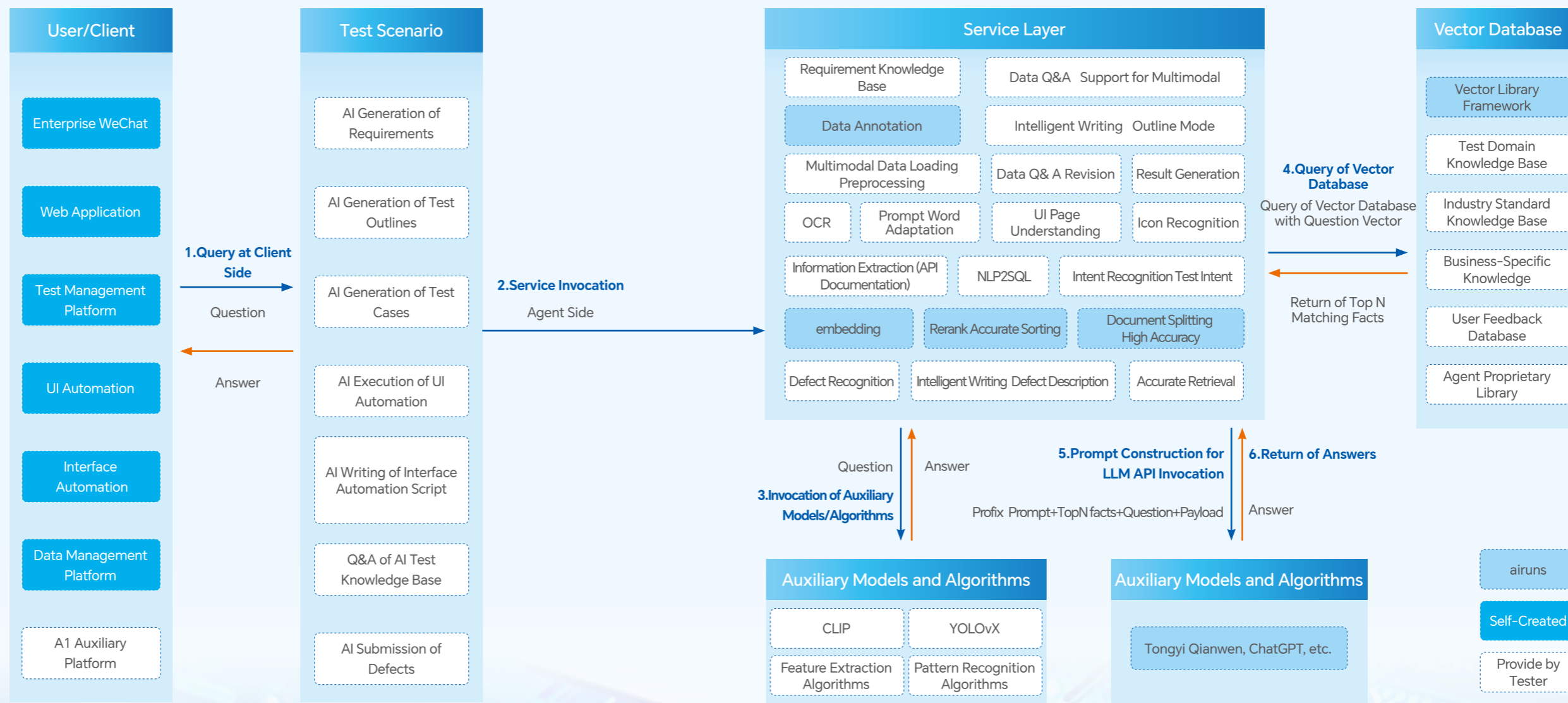


Large Model Solution Content Generation Intelligent Agent System Process of Hoperun Software



Case Study | Large Model (AI Testing) Solution

The introduction of AI testing significantly reduces the workload of the original team of test engineers, allowing the team of engineers to focus on high-value analysis and decision-making. AI testing can efficiently lead the testing process and automatically generate and optimize test products, while engineers can verify the accuracy and completeness of the products with the help of AI tools to ensure the quality of testing.

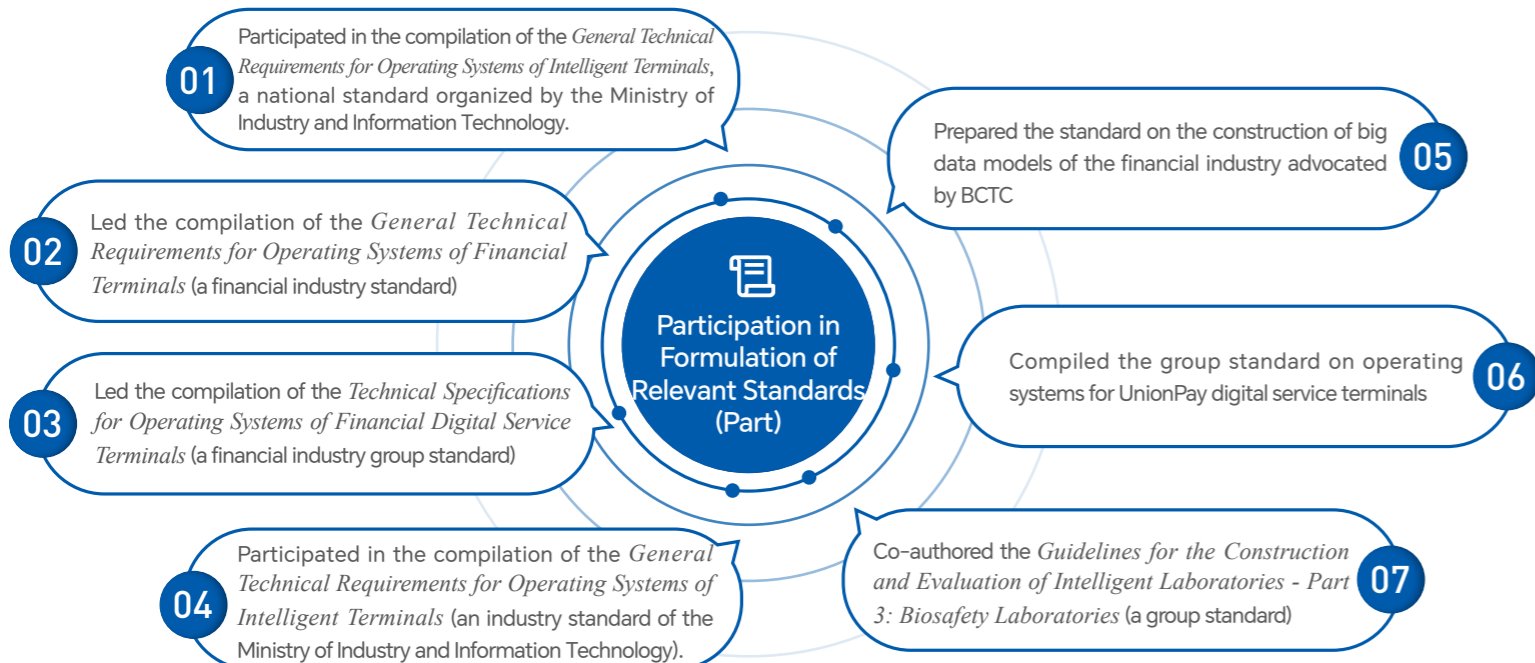


Large Model (AI Testing) Solution of Hoperun Software

Contributing to Industry Development

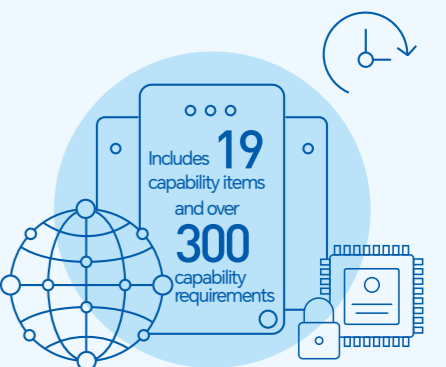
Industry standards play a critical role in improving the overall industry level, promoting scientific and technological progress, and enhancing corporate competitiveness. Hoperun Software actively exerts the influence of the Company and industry leadership, and participates in the formulation of a number of national and industry standards to standardize the technical requirements, promote technological progress, and enhance the overall level of the industry. As of the end of the Reporting Period, the Company has participated in the development of 3 national standards.

The Company has participated in the development of **3** national standards



Case Study | Contribution to the Standardization and Scientization of the Intelligent Testing

During the Reporting Period, Jettech (a wholly-owned subsidiary of the Company) participated in the preparation of a standard of China Academy of Information and Communications Technology, i.e., the *Intelligent Software Engineering Technology and Application Requirements - Part 3: Intelligent Testing Capability* (Standard No.: AIIA/PG 0138-2024). The standard focuses on the definition and unification of intelligent software testing capabilities. It constructs a capabilities framework that includes 19 capability items and over 300 capability requirements, covering five major dimensions: test analysis and design, test development and execution, test evaluation and repair, tester assistance, and engineering capabilities. The standard provides clear product iteration guidance for intelligent testing tools and platform providers, and offers valuable reference for application parties in capability building and technology selection. With its excellent technical capabilities and leading industry position, Jettech, as a core co-author, outputs industry standards in the intelligent testing field, empowers technological innovation in the fintech industry and contributes to the vigorous development of the industry.



Case Study | Quality Enhancement with Intelligence to Promote the Construction of Smart Laboratories

Hoperun Software is committed to providing system services for high-tech industries and has extensive industry experience and innovative solutions in the construction of smart laboratories. In 2024, Hoperun Software participated in the development of the *Guidelines for the Construction and Evaluation of Intelligent Laboratories - Part 3: Biosafety Laboratories* (T/CPPC 1080.3 - 2024), and is one of the co-authors of the first series of group standards for laboratory intelligent construction and evaluation worldwide.



Group Standard Co-Author Certificate

In addition to participating in the development of various industry standards, the Company is also actively engaged in the exchanges of industry associations and societies. Holding key positions such as the council unit and the vice-chairman council unit in multiple organizations, the Company continuously gathers industry wisdom and leads industry innovation and development by sharing cutting-edge technologies and discussing industry trends.

- Jiangsu Association of Service Outsourcing
Vice-Chairman Unit
- ITSS Electronics Standardization Association
Member Unit of the Information Technology Service Subcommittee
- China Electronic Information Industry Federation
Member Unit
- Jiangsu Association of Artificial Intelligence
Council Unit
- Guangzhou Electronic Industrial Association (Guangzhou Hoperun)
Member Unit
- Nanjing Software Industry Association
Vice-President Unit

- Information Technology Application Innovation Working Committee
Technical Activities Unit
- China Software Industry Association (Jettech)
Member Unit
- Shenzhen Software Industry Association (Shenzhen Hoperun)
Member Unit
- Global Intelligent Internet of Things Consortium (GIIC)
Member Unit
- Xi'an Service Outsourcing Association (Xi'an Hoperun)
Vice-Chairman Unit
- China (Nanjing) Software Valley Developer Ecological Alliance
President Unit

Case Study | Rinkaihong Joined China (Nanjing) Software Valley Developer Ecosystem Alliance

On October 25, 2024, the “1024 Programmer’s Day Themed Event” of Huawei was successfully held in Nanjing. At the event, the China (Nanjing) Software Valley Developer Ecosystem Alliance was officially established. Runkaihong, as the president unit of the Alliance and one of the first 30 founding member enterprises, participated in the inauguration ceremony. Focusing on the digitalization and independent innovation needs of enterprises, the alliance aims to deepen collaborative innovation among alliance members and relevant parties in the industrial chain, create leading industry joint solutions, promote the application and implementation of HarmonyOS core technology in local industries, and help the win-win development of the HarmonyOS ecosystem industries.



Runkaihong Participating in the Inauguration Ceremony of China (Nanjing) Software Valley Developer Ecosystem Alliance

Case Study | Hoperun Software and Runkaihong Joined the Global Intelligent Internet of Things Consortium (GIIC)

On November 22, 2024, the Third Meeting of the First Council and the Second General Meeting of the Global Intelligent Internet of Things Consortium (GIIC) was held in Shenzhen. As a founding member of the OpenHarmony open-source project, a core partner of the HarmonyOS ecosystem service companies, and a deep contributor to the HarmonyOS ecosystem, Hoperun Software and its subsidiary Runkaihong were invited to attend the conference and joined the Global Intelligent IoT Alliance (GIIC) as member units.



Group Photo at the Third Meeting of the First Council of the Global Intelligent Internet of Things Consortium (GIIC)

Promotion of Digital Transformation



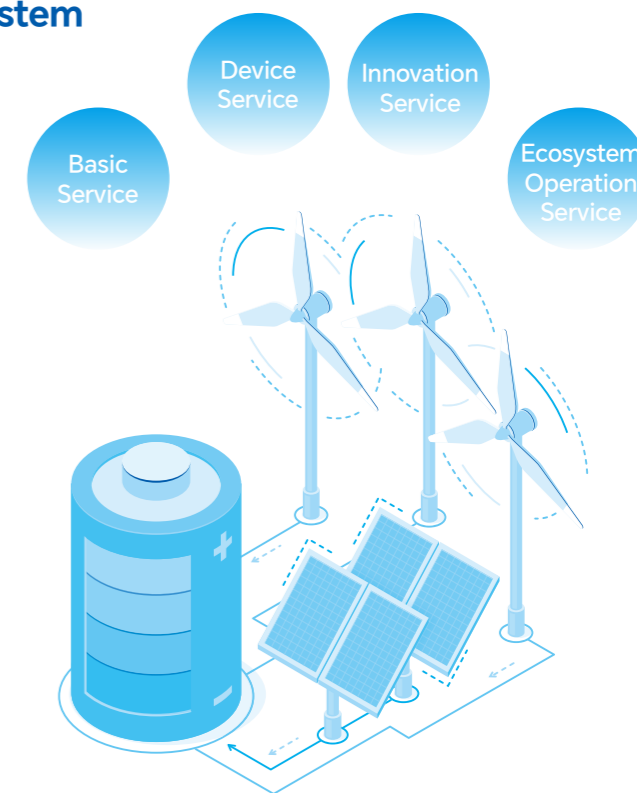
01 Power Industry

Hoperun Software is deeply engaged in the power industry for a long time, and provides customers with products and solutions such as energy IoT, power AI, power marketing, power informatization and information security, to customers covering power generation enterprises, power grid enterprises, new energy enterprises, and research institutes. The Company has accumulated over 10 years of core technology R&D capabilities and service experience. As an important member of the OpenAtom Foundation and a deep participant in the electric power digitization industry, Hoperun Software has been committed to the application and practice of integrating OpenHarmony and openEuler operating systems with the power industry, and actively promotes the joint innovation of open-source technologies and industry scenarios.

◎ Unified Power IoT Operating System

The Company has been deeply engaged in the R&D and ecosystem contribution of operating system versions for several leading power enterprises in China. It has made significant progress in developing capabilities across four major areas: “Basic Service”, “Device Service”, “Innovation Service” and “Ecosystem Operation Service”. Based on the deep technical expertise in the field of ITAI localization, the Company has launched 4 distributions for the power industry that integrate OpenHarmony and openEuler and cover the “device-edge-cloud” framework, and have been adapted to 100+ devices in the “power generation, transmission, substation, distribution, and usage” segments.

As an important member unit of the International SparkLink Alliance, the Company integrates the features of Power Harmony to create the SparkLink distribution solution, supporting the SparkLink product ecosystem. It released “SparkLink + Harmony” conceptual products – the “Hongtong SparkLink” IoT development kits, launching a comprehensive hardware and software solution. Currently, more than 10 self-developed product devices have been launched, including SparkLink modules, SparkLink concentrators, a series of environmental monitoring sensors, smart circuit breakers, and operation inspection tablets.



Case Study | Birth of China's First Power IoT Operating System (Power Harmony OS)

On October 31, 2023, Hoperun Software, as the vice-chairman unit of the Power Subcommittee under the OpenHarmony Ecosystem Committee and a core partner in the deep co-construction of the Power Harmony IoT operating system, was invited to attend the Launch Conference of Power Harmony IoT Operating Systems jointly hosted by China Southern Power Grid Co., Ltd. and the OpenAtom Foundation. At the event, they jointly witnessed the release of the Power Harmony IoT operating systems, and during the speech and exhibition sections, they presented multiple achievements to the industry.

With its deep technical accumulation on the OpenHarmony digital platform and profound understanding of the power grid field, Hoperun Software has made forward-looking strategic investments since 2022, actively exploring and practicing OpenHarmony-based power grid technology. The Company has actively participated in and deeply supported the R&D of the Power Harmony IoT operating systems and has taken the lead in independently developing and launching several solutions based on the Power Harmony IoT operating system, such as the Smart Power Distribution Monitoring System and the Transmission Line Monitoring System. These solutions can meet the power industry's demand for independence and controllability in intelligent IoT deployments.



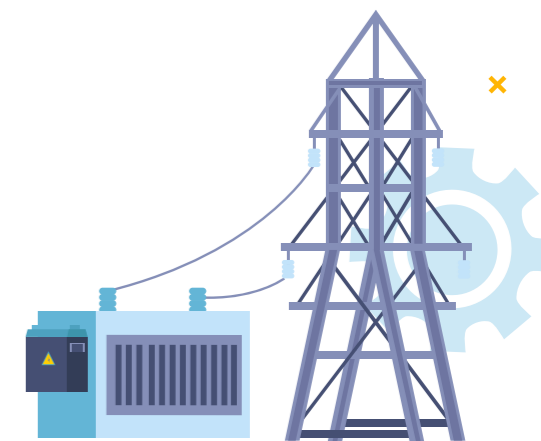
Hoperun Software's Innovative Products Based on the Power Harmony IoT Operating System Debuted at Launch Conference of Power Harmony IoT Operating System



Hoperun Software and Partners Shared Results Based on the Power Harmony IoT Operating System

Server Operating Systems for the Industries of Energy and Power

In terms of industry applications, HopeOS V22 has already been implemented in many fields such as finance and insurance, energy and power, emergency safety, healthcare, and education, and provides a fully localized software stack. In the energy and power sector, the Company has assisted power partners in applying HopeOS V22 to the digitalization of the power industry, helping key areas related to national welfare and people's livelihood achieve independence and controllability. It has been included in the lists of suppliers of many leading industry equipment manufacturers. The Company has created the ITAI Cloud Platform in collaboration with an energy and power manufacturer. With the support of the Company's innovative technologies, the platform has achieved significant improvements in data analysis performance, system response time, and self-detection and self-repair of system faults. This has effectively supported the efficient and stable operation of the power distribution network across Jiangsu Province. The Company has always adhered to the path of localization, improved the quality of products and services, and joined hands with the openEuler community and partners to build a prosperous ecosystem of home-made operating systems and help enterprises in their digital transformation.



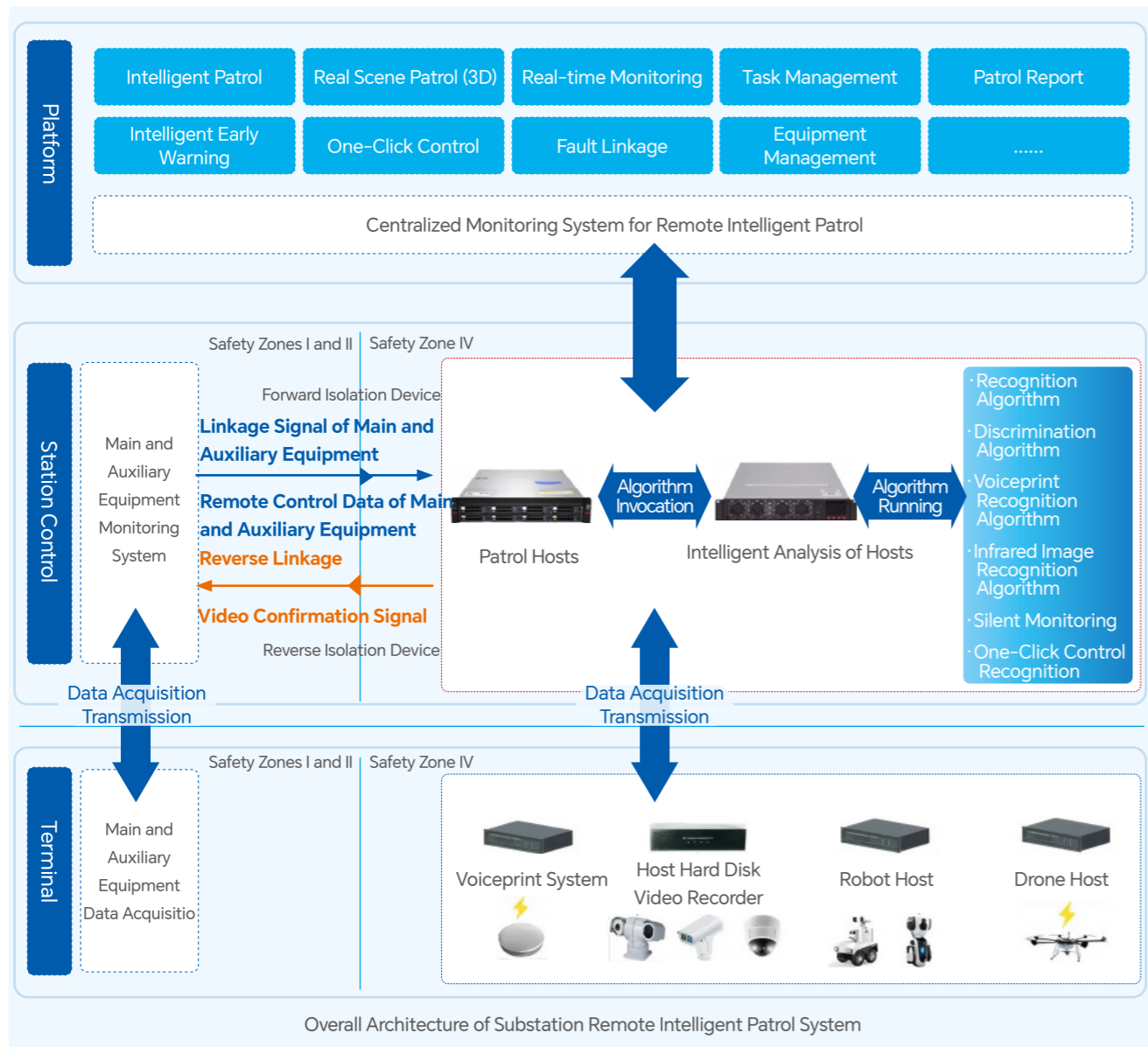
Remote Intelligent Patrol Solutions for Substations

The Company has developed a remote intelligent inspection solution for substations, based on the localized substation intelligent analysis host product powered by Kunpeng + openEuler + Ascend. It integrates intelligent algorithms such as equipment defect recognition, equipment status determination, safety control, and environmental status sensing. These algorithms can automatically diagnose and warn about the equipment status, environment, and operational safety in substations, supporting intelligent substation inspections. This product has already been implemented in multiple 220KV substations in Jiangsu Province and is actively promoted in Xinjiang, Sichuan, and other provinces, aiming to serve intelligent remote inspections at more substations of different levels.

In the energy and power sector, Hoperun Software has passed the evaluation of the substation remote intelligent patrol system by the China Electric Power Research Institute and has become one of the 25 nurturing enterprises for the State Grid's AI algorithms in distribution networks. In late 2023, at the Substation Intelligent Patrol Algorithm Annual Validation Competition held by the Equipment Department and Digitalization Department of the State Grid Corporation of China at the China Electric Power Research Institute in Beijing, the Company was recognized among the top 10 in several tracks such as "Oil Leakage Scene Recognition Track Annual Validation", "Image Discrimination Track Annual Validation" and "Image Defect Recognition Track Annual Validation".



Substation AI Analysis Host V1.0 Has Successfully Completed Compatibility Testing and Certification with Huawei Technologies Co., Ltd.'s Atlas 800 Training server (Model: 9000)



02 Financial Industry

Fintech is a key area that Hoperun Software has deeply cultivated for many years. The service scope of Hoperun Software covers 6 major state-owned banks, 12 joint-stock commercial banks, and over 260 small and medium-sized banks, insurance companies, securities firms, and other licensed financial institutions, giving it strong brand advantages. The Company has been listed in IDC's Global Top 100 Fintech Companies for four consecutive years and has been recognized as the "2024 IDC China Financial IT Backbone Force". According to a related research report on the market share of IT solutions in China's banking industry, released by IDC and CCID in 2024, the Company continues to lead in the digital business solution market and internet financial service solution market. Hoperun Software continuously assists financial institutions in their digital and intelligent transformation, provides customers with smarter solutions and higher-quality, more efficient services, empowers the financial industry's digital transformation with high quality, and stimulates innovation in the financial sector.

© HarmonyOS Native Application Development

In April 2024, Hoperun Software reached strategic cooperation on mPaaS with Ant Digital Technologies, focusing on promoting the development of HarmonyOS native application projects and ecosystem development in vertical industries such as finance. The mPaaS-based HarmonyOS native application development products released by the Company include mPaaS, industry business functions, component packages, and HarmonyOS application technical expert consulting services. This product provides turnkey solutions for industry HarmonyOS native applications, aiming to deliver high-performance, high-security, and highly-convenient HarmonyOS native application development services for customers in industries such as finance. In 2024, the Company signed HarmonyOS native application development projects, including mobile banking apps, with multiple banks.

The Company possesses a high-quality pool of HarmonyOS native application developers, deep industry know-how, and rich practical development experience. It has application cases in multiple fields such as finance, cultural tourism, education, and consumer electronics, and is capable of helping customers quickly achieve HarmonyOS transformation of applications.



Strategic Cooperation Agreement on HarmonyOS-based mPaaS Mobile Application between Runkaihong and Ant Digital Technologies



Server Operating System for the Financial Industry

In terms of industry applications, HopeOS V22 has already been implemented in many fields such as finance and insurance, energy and power, emergency safety, healthcare, and education, and provides a fully localized software stack. In the financial field, HopeOS V22 integrates and optimizes mainstream artificial intelligence frameworks, providing better AI infrastructure capabilities for financial scenario platform software or middleware, and has already been implemented in a commercial bank. The Company provides comprehensive advanced technical support services for the CDH big data platform of the commercial bank, including daily troubleshooting, regular system checks, performance optimization, and security vulnerability fixing, to ensure the platform's high availability, security, and superior performance. At the Operating System Conference & openEuler Summit 2023, the Company helped Hundsun Technologies Inc. win the "2023 openEuler Leading Commercial Practice Project" award for its "Financial Ultra-Low Latency Application Practice Based on openEuler".

Runwu AI Financial Testing Intelligent Agent

Based on years of accumulated experience in the financial industry, combined with advanced AI capability models, the Company created an innovative and practical financial AI product - Runwu AI Financial Testing Intelligent Agent - to help drive technological transformation in the industry.

Runwu AI Financial Testing Intelligent Agent integrates cutting-edge AI agent development experience within the industry, and integrates core capabilities of intelligent agents such as test outline generation agent, test case generation agent, test execution agent, test data generation agent, and test knowledge Q&A, to lead and support the reform and digital transformation of the financial industry.

Among them, the Runwu AI Case Generation Intelligent Agent is based on the independent and controllable large model of the Company which autonomously builds the case generation agent. It refines manual work in the testing process into test knowledge and methods, thereby assisting in the manual generation of testing products. The intelligent agent integrates the capabilities of the large model into the testing management platform, and provides intelligent testing services covering scenarios such as requirement analysis, case generation and retrieval to improve testing efficiency.

Runwu AI Case Execution Intelligent Agent initiates requests through end-to-end testing tasks, dialogue mode, case mode, and interface testing tasks. The AI-assisted execution intelligent agent is responsible for analyzing historical behaviors, and recognizing interface elements, cognitive systems, etc. The basic model implements model calls and returns based on the Wukong AI Large Model. The end-to-end automation platform enhances the intelligence level of test execution, with some systems achieving a 70% success rate in independent AI execution.



Healthcare Industry 03

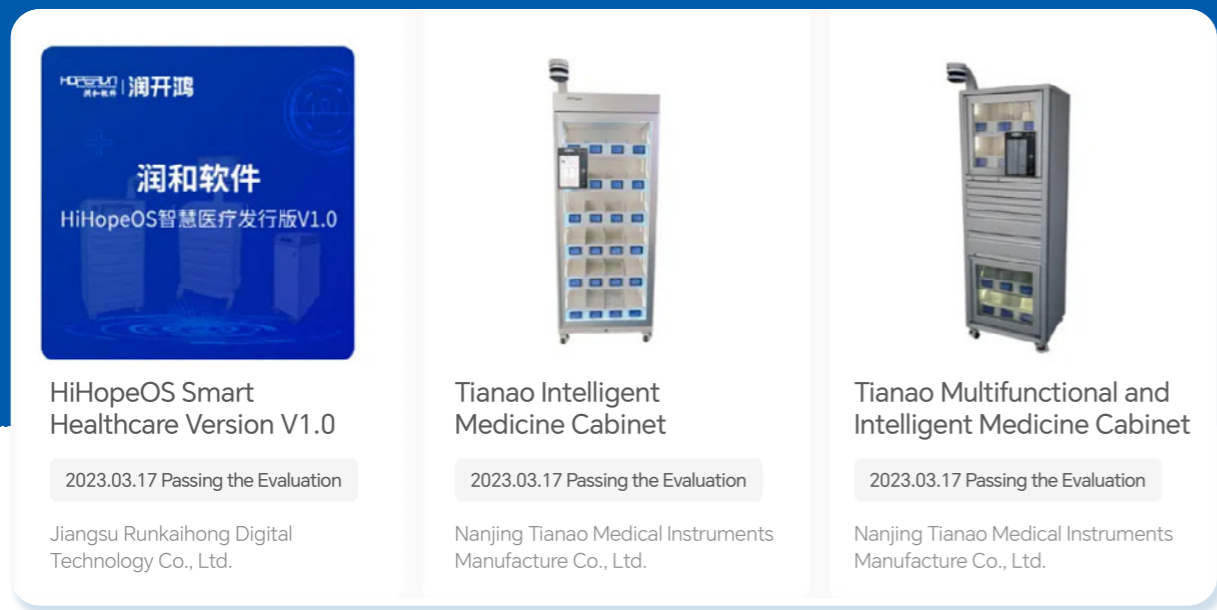
Hoperun Software focuses on the localized digital foundations of OpenHarmony and openEuler, leveraging integrated product and solution capabilities from chips, hardware, and operating systems to application software, continually empowering the industrial landing of sectors such as finance, energy, healthcare, and smart cities through technological innovation, enabling industries across various fields.

Empowerment of Medicine Cabinets for Smart Healthcare

Hoperun Software has launched a customized version based on OpenHarmony for the smart healthcare industry, built on the HiHopeOS standard system. It integrates HiHopeOS smart healthcare components, distributed technology features, and more, enabling Tianao intelligent series medical devices and terminals. After introducing the innovative technological features of OpenHarmony's localized foundation, the Tianao Intelligent Medicine Cabinet flexibly configures edge computing power through terminal interaction. It effectively integrates hospital data for analysis, addressing issues such as drug safety risks caused by manual accounting and untraceable processes, ensuring that hospital medications have full closed-loop management where their "source is traceable, destination is trackable, and responsibility is accountable".



Compatibility Evaluation Certificate of Runkaihong HiHopeOS Distributions for the Smart Healthcare Industry



HiHopeOS Smart Healthcare Version V1.0

2023.03.17 Passing the Evaluation

Jiangsu Runkaihong Digital Technology Co., Ltd.

Tianao Intelligent Medicine Cabinet

2023.03.17 Passing the Evaluation

Nanjing Tianao Medical Instruments Manufacture Co., Ltd.

Tianao Multifunctional and Intelligent Medicine Cabinet

2023.03.17 Passing the Evaluation

Nanjing Tianao Medical Instruments Manufacture Co., Ltd.

Ecological Healthcare Hardware and Software Products Passing OpenHarmony Compatibility Evaluation

Smart Hospital Logistics Management Platform

The Company has launched a smart hospital logistics management platform that integrates “IoT + data platform + artificial intelligence + digital twin” technological capabilities. Based on the Company’s OpenHarmony + openEuler underlying capabilities, it forms a self-developed, open-source hardware and software base combination. This can meet the systemic upgrade requirements of hospital logistics management platforms and gradually promote the digital transformation of smart operations, smart services, smart management, and smart security in hospital logistics management. As the application system progressively covers business scenarios, it achieves the optimization of logistics service processes, the refinement of logistics operation management, automation of electromechanical control, and intelligent decision support, making operations more precise, services more convenient, management smarter, and administration more efficient.

Intelligent Environmental Control System

Relying on high R&D innovation capabilities, the Company created a complete solution based on the intelligent environmental control technology system, and developed a brand-new rapid microbiological detection terminal to address the pain points of traditional environmental testing such as low efficiency, low accuracy, difficult operation, high cost, and dependence on imports, helping enterprises and institutions improve environmental control effectiveness.

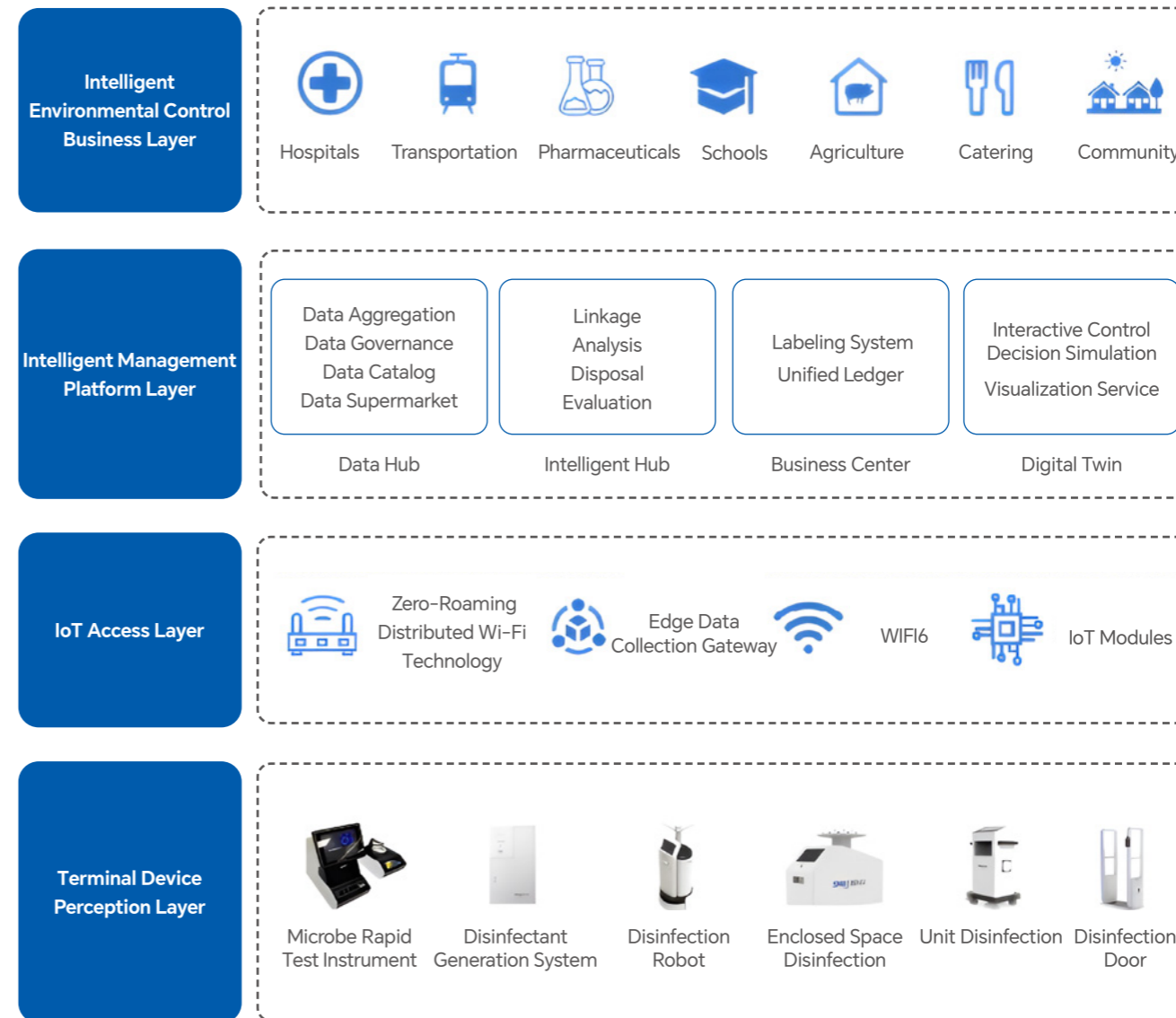


· Rapid Microbiological Detection Terminal for Intelligent Environmental Control

The Company’s rapid microbiological detection terminal for intelligent environmental control adopts Raman scattering rapid testing technology enhanced by microbial surface charge, enabling rapid, broad-spectrum, non-destructive detection of airborne microorganisms in enclosed spaces. It is compact, portable, and highly efficient in detection, effectively meeting the on-site microbial detection needs in various scenarios such as healthcare, biopharmaceuticals, food safety, customs security inspection, and ecological environmental testing.



· UI Interface of Monitoring Platform for Intelligent Environmental Control



AI Robot for Tongue Diagnosis

The Company has launched an OpenHarmony-based AI robot for tongue diagnosis in Traditional Chinese Medicine (TCM). This robot is equipped with the OpenHarmony-based Runkaihong HiHopeOS smart healthcare version, paired with a machine learning-based quantitative analysis method for TCM diagnosis of tongue color and coating. Users only need to take and upload photos of the tongue's surface and bottom. Combined with intelligent consultation, the robot can quickly and automatically provide tongue feature detection and recognition results, including tongue color, shape, coating color, coating texture, and sublingual vascular information. Combined with the smart TCM-assisted diagnosis and treatment system, it enables intelligent prescription formulation, smart prescription interpretation, intelligent evaluation, and the core functions of TCM and Western medicine integration, creating deep syndrome differentiation, personalized prescriptions, and accurate formulation. This ensures the effectiveness, rationality, and safety of prescriptions, assisting clinicians in diagnosis and treatment.



AI Robot for TCM Tongue Diagnosis

Education Industry

04

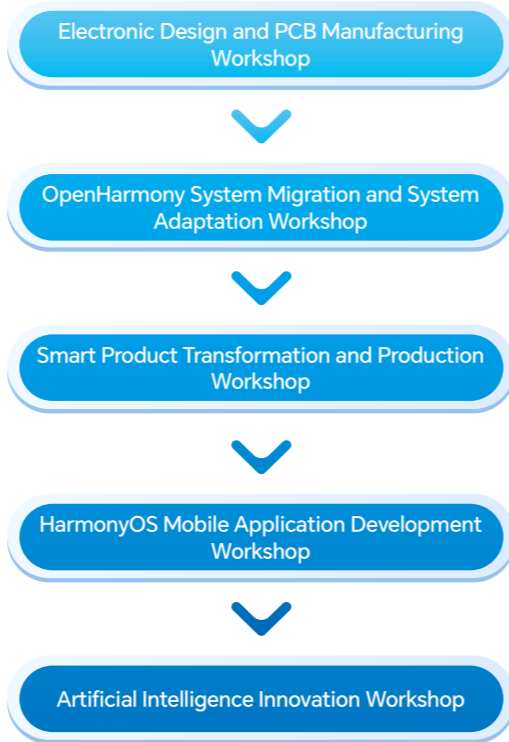
Hoperun Software uses the open-source operating system OpenHarmony as its technology foundation, guided by the integration of industry and education. It connects universities with enterprises and relies on its self-developed OpenHarmony all-scenario teaching and training platform to provide a comprehensive system and services for the training of general-purpose ITAI talents. This includes teaching kits, course resources, teacher training, exam certification, competition activities, and more. The goal is to create an educational and training base that integrates comprehensive practice, technological research, training certification, and innovation and entrepreneurship. This aims to cultivate outstanding talents specialized in independent and controllable IT innovations and contribute to safeguarding national industrial security.

ITAI Education

As a core contributor to OpenHarmony, the Company has been devoted to the OpenHarmony ecosystem, focusing on the construction of ITAI education based on the OpenHarmony operating system, to promote the ITAI industry to develop in a new and better direction. In recent years, the Company has continuously served a broad range of universities and related educational institutions, exploring an innovative model of university-enterprise cooperation based on OpenHarmony for talent development. We have established a full-stage educational chain, including primary and secondary schools as well as universities. Using localized chips and operating systems as the technical foundation for “dual localization”, the Company provides a complete range of resources and solutions for ITAI education and training, including teaching aids, courses, competitions, training, certification, and activities.

In response to industries’ actual demand for talent in the digitalization process, Runkaihong, targeting the higher education sector, has introduced the “1+5+N Mode” based on OpenHarmony to facilitate the industry-education integration, which includes: 1 next-generation OpenHarmony open-source technical foundation, 5 full-stack development process workshops (i.e., “Electronic Design and PCB Manufacturing Workshop”, “OpenHarmony System Migration and System Adaptation Workshop”, “Smart Product Transformation and Production Workshop”, “HarmonyOS Mobile Application Development Workshop” and “Artificial Intelligence Innovation Workshop”), and N “OpenHarmony + Vertical Industry” all-scenario laboratories, providing a solid foundation for the substantial implementation of industry-education integration and helping universities cultivate applied talents with open-source innovation spirit and cutting-edge technological capabilities.

To meet the national demands for the education in independent controllable, innovative, and shared information technologies, Runkaihong has developed a independent software programming platform for teenagers – “OH-CODE” which is based on the technical foundation of OpenHarmony and serves the IT education at primary and secondary schools. OH-CODE is an abbreviation of “OpenHarmony + Code”. Based on localized chips and operating systems, and compatible with the SourceBrother L0 and L1 open-source integrated hardware platforms and systematic ecosystem peripherals through the programming platform, OH-CODE provides a complete information technology education solution for teenagers. The OH-CODE OpenHarmony programming platform supports Artificial Intelligence (AI) and the Internet of Things (IoT) functionalities. It allows students to use graphical block programming or advanced programming languages like Python to experience the joy of creation. Currently, the “Smart Education Linglong” platform, enabled and supported by the software and hardware capabilities of Hoperun Software and Runkaihong, has been launched on the PEP Information Technology Digital Resources Platform, providing customized curriculum-related hardware support and service for the information technology education at primary and secondary schools.



full-stack development process workshops

Case Study | Walking into Jiangsu University: OpenHarmony Practical Training Camp

In January 2024, Runkaihong brought OpenHarmony to Jiangsu University, launching the one-week industry-education integration practical training themed “Right Time of OpenHarmony” – the Jiangsu University Practical Training Camp (a total training duration of 30 hours). This training camp included two parts: the “Training on OpenHarmony Device Development for the Industry-Education Integration” and “Cognitive Internship: Walking into Runkaihong”, and introduced the development of OpenHarmony device to nearly 30 students of the computer science and technology major in Jiangsu University.

The OpenHarmony Device Development Training course in this practical training camp systematically guided students to understand the OpenHarmony framework and quickly get started with setting up the OpenHarmony development environment. Through hands-on practice, students can systematically master the OpenHarmony device development techniques, from environment preparation, software compilation, and hardware development, to complete project development, and step into the world of OpenHarmony hardware from scratch.

The “Cognitive Internship: Walking into Runkaihong” activity organized nearly 100 students from the IoT engineering program of Jiangsu University to pay a visit to Hoperun Software and Runkaihong and participate in a cognitive internship for the industry-education integration. During the visit and training session, Runkaihong mentors introduced the students to career development in the IoT engineering field and the talent demands of enterprises, helping students clarify their future study directions and career plans.



Practical Training Camp of Jiangsu University



Cognitive Internship of “Walking into Runkaihong”



Case Study | Partnering with Hebei University: OpenHarmony Industry-Education Integration Collaborative Education Demonstration Laboratory

Hoperun Software and Hebei University have established a strategic cooperation centered on industry-education integration and collaborative education, including over 10 specific initiatives such as the co-construction of talent training program, the promotion of quality courses, collaborative education projects, scientific research achievement transformation, industry project introduction, talent employment matching, competition technical guidance, and the OpenAtom “School Source Tour” activity.

Both parties leverage their respective advantages to plan the co-construction of the “OpenHarmony-based Industry-Education Integration and Collaborative Education Demonstration Laboratory of Hebei University and Hoperun Software” as a model project for the industry-education integration based on OpenHarmony, aiming to promote more innovative industrial projects into universities.

Based on their long-standing OpenHarmony-based teaching practice and cooperation, both parties have jointly developed a series of course resources related to OpenHarmony device development. These include practical materials such as theoretical knowledge, development examples, source code analysis, and hands-on guidance involved in actual course teaching, which have been compiled into a book, resulting in a phased co-construction achievement – a textbook for university teaching activities: the *OpenHarmony Lightweight Device Development Theory and Practice*.



OpenHarmony-based Industry-Education Integration and Collaborative Education Demonstration Laboratory



OpenHarmony Teaching Laboratory of Hebei University

Case Study | Partnering with Nanjing Lasa Road Primary School: Contribution the Independent Open Source Artificial Intelligence Science and Technology Innovation Base

Hoperun Software has teamed up with Nanjing Lasalu Primary School (hereinafter referred to as the “Lasalu Primary School”) to co-build an independent open-source artificial intelligence science and technology innovation base. Starting in April 2023, Hoperun Software began ITAI training at the Lasalu Primary School based on the “SourceBrother” information technology teaching curriculum, establishing a maker club to support the school's information technology classes and exploring many experiences worth promoting. The parties have cooperated to further deepen the experimental research of the project and enhance students' innovative literacy and abilities.

The project is based on the “SourceBrother” project of the OpenAtom Foundation, which has Huawei HiSilicon chip and the OpenHarmony operating system. It is equipped with a self-developed software programming platform, and a smart education solution designed in response to the *Standard on Information Technology Curriculum* for primary and secondary schools.



Contribution Ceremony of the “Independent Open-Source AI Technological Innovation Base”



Opening Ceremony

Training and Certification for Enterprises

Subsidiary Runkaihong launched the training brand “Hongtongxue” for enterprises. Hongtongxue is positioned to provide urgent training and development for corporate HarmonyOS native applications, offer close support throughout the entire process of innovation and development of corporate HarmonyOS native applications, and effectively promote the supply of talent and development within the HarmonyOS ecosystem.

In December 2023, Runkaihong signed a cooperation agreement with Harmony Ecosystem Service (Shenzhen) Co., Ltd., under which both parties agreed to accelerate the expansion of the HarmonyOS ecosystem, jointly form ecosystem synergy in HarmonyOS, technical consulting, talent cultivation, policy guidance, technical certification, market promotion, and other multi-dimensional services based on their respective advantages, and explore development trends and paths for the HarmonyOS ecosystem in different fields while deepening cooperation to drive the mutually beneficial development of the HarmonyOS ecosystem industry.

On January 18, 2024, the HarmonyOS Ecosystem “Thousand Sails Setting Sail” Ceremony was grandly held in Shenzhen, and the HarmonyOS NEXT developer preview of the native HarmonyOS system was officially opened for application, marking the beginning of a new chapter for HarmonyOS advancement. During the HarmonyOS ecosystem talent contribution exchange meeting, Runkaihong and Huawei signed the *Cooperation Framework Agreement on the HarmonyOS Talent Ecosystem Service*. According to the agreement, both parties will jointly establish a HarmonyOS developer talent ecosystem joint working group and collaborate on the development and listing of HarmonyOS native applications. They will also provide corporate training and talent supply to HarmonyOS ecosystem partners, among other co-construction forms, to jointly promote the construction and promotion of the HarmonyOS developer talent training system, helping enterprises train HarmonyOS talent and promoting the prosperity of the HarmonyOS ecosystem.

Additionally, Runkaihong has planned and designed a dedicated empowerment class for the OFCA-OpenHarmony (beginner) certification exam, providing a fast-track channel for university students, OpenHarmony community developers, and technical workers who plan to incorporate OpenHarmony into their future career plans to obtain certification for professional competence in the OpenHarmony technology stack.

Case Study | Signing of Cooperation Agreement on “Hongtongxue” with the Shahe Campus of the University of Electronic Science and Technology of China

In March 2024, Runkaihong and the Shahe Campus of the University of Electronic Science and Technology of China officially signed the “Hongtongxue” talent empowerment cooperation agreement in Chengdu. Runkaihong will leverage the “Hongtongxue” platform to provide corporate training and talent supply services for HarmonyOS ecosystem partners. Together with the Shahe Campus, they will help local enterprises better apply HarmonyOS technology and products to develop high-quality HarmonyOS native applications, thereby promoting the construction of the HarmonyOS ecosystem talent system in Sichuan Province.



Sharing of Topics

05

Smart City

OpenHarmony: MineHarmony & City Harmony

MineHarmony

As an OSV ecosystem partner and ecosystem enabler for MineHarmony, Hoperun Software will fully integrate its technological innovation and full-stack service capabilities accumulated through the development of intelligent terminal device hardware and software foundations based on the next-generation IoT operating system. Leveraging the advantageous characteristics of MineHarmony, the Company will develop operating system distributions tailored for diverse scenarios, enabling more intelligent mining terminal products and further unlocking the diverse expansion potential of MineHarmony, thereby promoting the comprehensive development and application of the MineHarmony ecosystem.

City Harmony

In the comprehensive scenario of smart cities, addressing the cross-field, multi-space, and three-dimensional management needs of urban lifelines, Hoperun Software has developed a complete solution architecture and core technologies based on the advantages of the OpenHarmony distributed, all-scenario, and omnipresent intelligent terminal operating system. The Company has focused on two fields: fire emergency and gas monitoring, working with industry partners to jointly create multiple systemized solutions for specific sub-scenarios, including the electric bicycle shed fire prevention system and urban gas monitoring solution.

The electric bicycle shed fire prevention solution features the HiHopeOS software distribution for the smart city sector, based on OpenHarmony, edge computing gateways, and communication modules, creating a high-efficiency automatic fire extinguishing system that integrates visualization, automated detection, and automated initiation. It achieves precise fire detection, AI edge-side intelligent analysis, linked device response, efficient fire extinguishing in zones, and multi-device alert notifications, effectively preventing and reducing fire risks and hidden dangers.

In response to the serious gas safety issues, Hoperun Software has partnered with Huawei, Hanwei Technology, and other collaborators to jointly create an urban gas monitoring solution. Hoperun Software is responsible for the development and technical support of the operation and maintenance app, device communication Bluetooth modules, and customized OpenHarmony operating system distribution (HiHope Smart City Distribution). Based on the technological advantages of OpenHarmony, the Company enables rapid wireless device networking, link visibility and measurement, intelligent business linkage, twin diagnostics, and innovative scenarios such as transforming from screenless to screen-enabled, effectively solving problems in industry deployment, operation, and maintenance, and improving traditional service management.

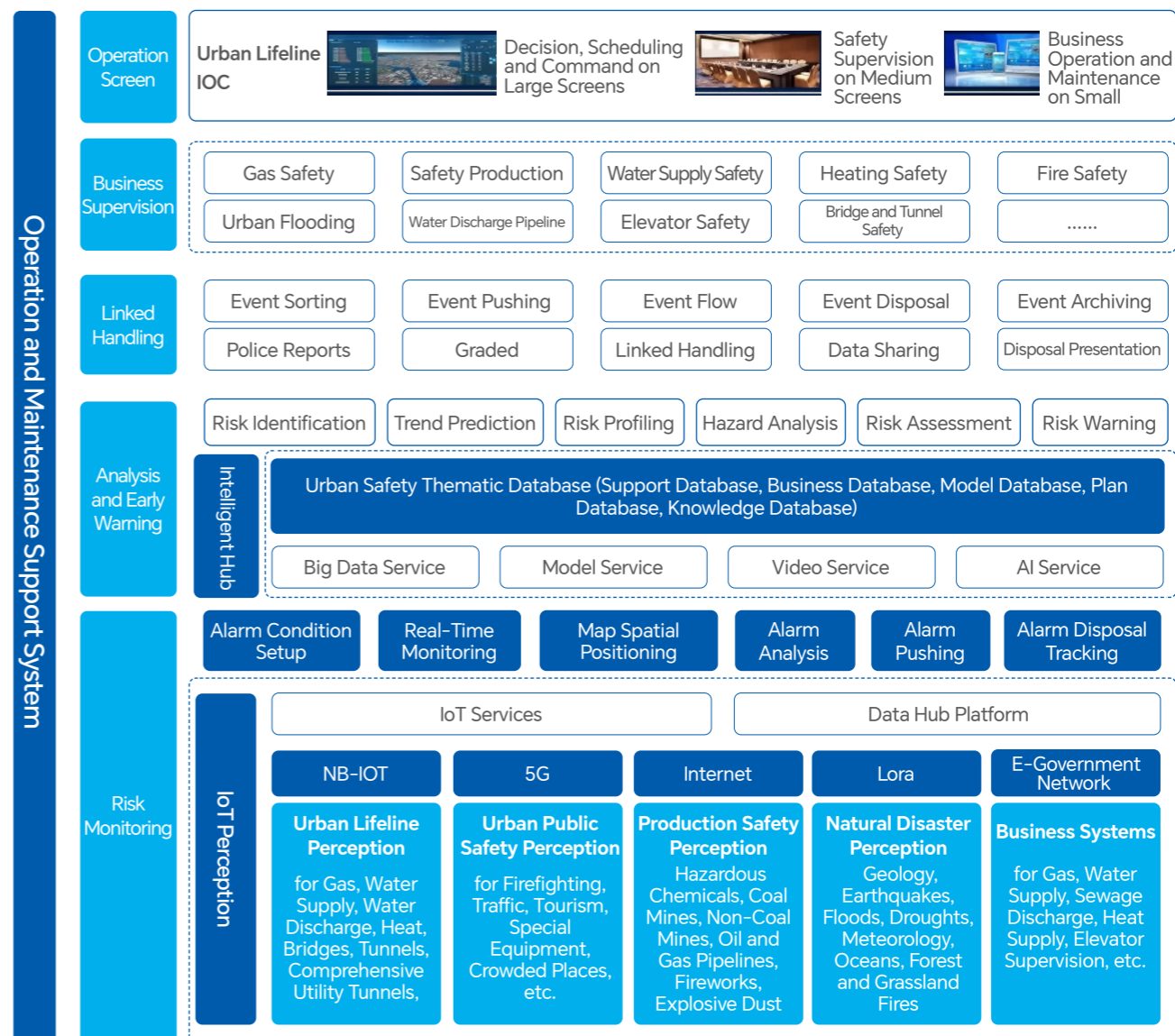
Case Study | Xiong'an New Area

At the Digital Xiong'an Forum of the 2023 China International Digital Economy Expo, Hoperun Software signed the *Initiative for Promoting the Innovation and Development of the Urban Harmony Industry* with Xiong'an New Area. Based on the independent, open-source, secure, and unified technological advantages of the OpenHarmony operating system, the Company will leverage its technological strength and industry experience to smartly and digitally upgrade the urban perception side, thus advancing the construction of new Harmony-based information infrastructures in Xiong'an New Area and building a Harmony-based IoT perception system.



Case Study | Hebi City

At the Huawei Digital China Tour 2024 · Hebi IoT Perception Industry Conference held in April 2024, the Company participated in the "Launch Ceremony for the Co-construction of Hebi OpenHarmony" and exclusively signed an agreement with the Hebi OpenHarmony Developer Innovation Center, to establish the headquarters of the Central China OpenHarmony Innovation Center in Hebi. Together with ecological partners and based on the digital foundation of independent operating systems, we will support the digital transformation and development of Hebi City.



Additionally, the Company actively participated in the preparation and review of two industry standards: the *Smart City - Urban Perception System - Overall Technical Specifications (2023-0568T-SJ)* and the *Smart City - Urban Perception System - Specifications for Device Operating System (2023-0567T-SJ)*, and received the “Outstanding Contributor Award” of the National Smart City Industry Ecosystem.



Robotics

In the robotics field, the Company has launched AIRobot, a 4S store service robot, which is currently being promoted and sold in Japan. In addition, other robot products, such as service robots in commercial facilities, industrial light-load robots, and meal delivery robots, are undergoing pilot and trial tests.

AIRobot is a service robot specially designed for 4S stores, based on AIRuns, our next-generation AI hub platform. AIRobot integrates multiple AI technologies, including image recognition, voice recognition, natural language semantic analysis, and large language models. It combines functions such as guidance, security monitoring, and information services to provide comprehensive support for car sales stores. The robot can assist staff in tasks like welcoming customers, offering drinks, introducing vehicle information, guiding tours, performing scheduled inspections, improving store efficiency and customer experience, and creating a more attractive car-buying environment.

openEuler: Independence and Controllability

As a leader in the ITAI industry and a driver of ecosystem development, Hoperun Software has independently developed the Hoperun Enterprise Operating System “HopeOS”, which has outstanding performance in security, compatibility, and performance optimization and provides strong technological support for the localized substitution and the development of the ITAI industry.

In the field of emergency safety, the Company has deployed HopeOS on a large scale, with a total system size of over 15,000 nodes. By utilizing an automated deployment platform, the OS+business integrated delivery period was reduced from several weeks to just a few days. HopeOS has been specially optimized for big data scenarios, to improve business performance by more than 10% and achieve full-stack independence and controllability. The Company provides HDP big data migration services to mobile and telecom customers across provinces, helping operator clients successfully complete the upgrade and transformation of their big data platforms while ensuring business continuity and stability.



Hoperun Software Recognized as Top 10 ITAI Operating System Brand in 2024

The Company was successfully included in the list of “Top 10 ITAI Operating System Brands of 2024” for its technological innovations and outstanding contributions in the ITAI field. The selection event was jointly hosted by Antong Studio and the ITAI Working Committee of Beijing Disaster Backup and Recovery Technology & Industry Alliance.

AI: RunMind Intelligent Visual Analysis Engine

Hoperun Software’s RunMind Intelligent Visual Analysis Engine (Hoperun Aive Intelligent Visual Analysis Software) applies deep learning algorithms to perform rapid inference calculations on key targets in videos and images, forming view-perception structured data. It then effectively combines perception data, industry knowledge, and business rules through logical orchestration, ultimately enabling dynamic event analysis and empowering various industries.

The RunMind Intelligent Visual Analysis Engine of Hoperun Software has been deeply deployed in multiple vertical industries and has achieved substantial results in key sectors such as chemicals, power, water conservancy, transportation, and education. In the chemical industry, the Company successfully delivered the “Intelligent Video Surveillance Project for Gas Stations” as one of the first high-quality delivery projects under Shandong Document No. 107, and successfully delivered the Intelligent Security Management Platform for Hazardous Chemical Storage Rooms to help customers win the second prize in the “Shandong Land Group Cup” Competition; and successfully delivered intelligent monitoring systems for chemical parks in multiple provinces and cities, including Shandong and Anhui.



Service Robot AIRobot at a 4S Store in Japan

02.

Harmonious Cohesion: Talent Development and Growth

Our Philosophy

In this era, talent is the key driving force behind the sustained growth of businesses. Hoperun Software always regards talent as a core asset, and adheres to people-oriented development. We build a broad career development platform, and through the continuous optimization of the talent management system, stimulate employees' potential in innovation, and cultivate a high-quality talent team, to promote the high-quality development of the Company in an era of digital intelligence and contribute to the technological progress and digital transformation of the industry.

Our Actions

- Protection of Employees' Rights and Interests
- Training and Development
- Occupational Health and Safety

Responded SDGs



Protecting Employees' Rights and Interests and Safeguarding Occupational Health



Employees' Rights and Interests

Governance for Employees' Rights and Interests

Hoperun Software, in accordance with the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China* and other applicable laws and regulations, has formulated management systems such as the *Regulations on Recruitment Management* and the Employee Attendance and Leave Management System to establish a complete employee governance system. The Company regulates the full cycle of processes such as recruitment, onboarding, on-the-job management and termination of labor relations, strictly prohibits the use of child labor and forced labor, and eliminates discrimination, harassment, bullying and other inappropriate behaviors, to ensure that employees enjoy the right to equal employment and development. In accordance with applicable laws and regulations, the Company signs employment contracts, establishes a system for protecting employees' rights and interests that covers occupational safety, remuneration and benefits, and complaint treatment mechanisms, and integrates core values such as respect for human rights, personality equality and personal freedom into management practices, to realize the unity of compliant operation and humanistic care.

The Company has established a sound and robust recruitment system. In accordance with the requirements of the *Regulations on Recruitment Management*, we strictly implement unified talent evaluation standards in diversified channels such as campus recruitment, social recruitment, and internal referral, and safeguard equal employment rights and interests without discrimination on gender, ethnicity or disability.



Strategy for the Protection of Employees' Rights and Interests

Upholding the talent philosophy of "value creation", Hoperun Software builds a high-quality talent management system, and is committed to realizing an outstanding talent development strategy. The Company proactively identifies and actively addresses key risks related to employees, and reduces potential adverse impacts through effective measures to ensure the sustainable development of the Company.

Risk Type	Description of Risk	Probability of Occurrence	Extent of Impact	Duration of Impact	Value Chain Links Impacted	Priority Ranking	Potential Financial Impact	Countermeasures
Policy and Legal Risks	Labor disputes or arbitrations arising from failure to comply with employment-related laws and regulations during the employment process may result in litigation or administrative penalties.	Low	Medium	Short, medium and long terms	Operation links	Medium	Compliance Costs/ Penalties	(1) Improve the human resources management system. (2) Formulate the <i>Guidelines for the Regulation of Labor and Employment Risk Filing</i> to enhance risk prevention. (3) Maintain good labor relations.
Reputation Risks	Improper behavior related to employees' rights and interests may damage the public image and reduce the trust of customers and partners, which in turn affects the brand value of the Company.	Low	Medium	Medium- and Long-Term	Operation links	Medium	Impact on Business and Revenue	

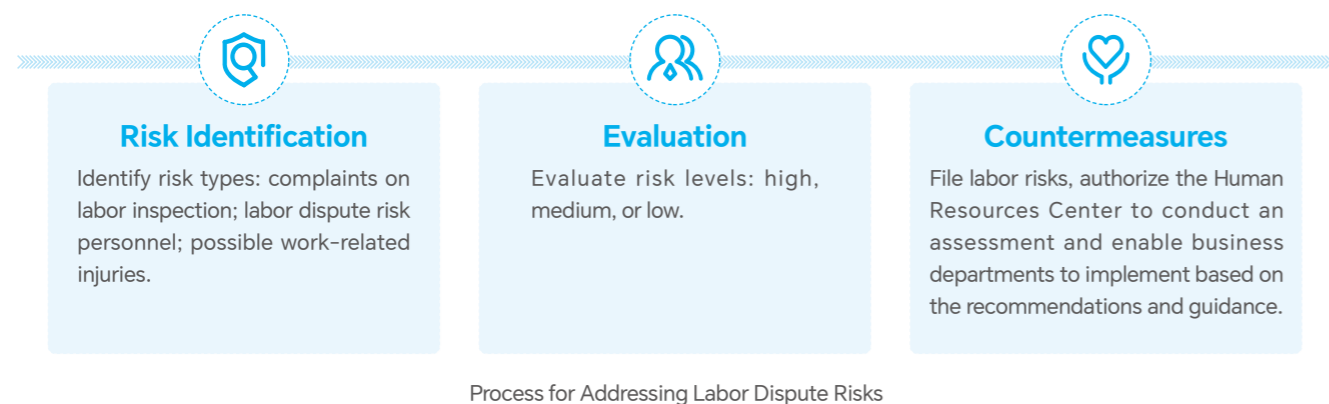
Opportunity Type	Description of Opportunity	Probability of Occurrence	Extent of Impact	Duration of Impact	Value Chain Links Impacted	Priority Ranking	Potential Financial Impact	Countermeasures
Operational Opportunities	1. An inclusive culture creates a good working atmosphere, improves employee satisfaction and promotes teamwork. 2. A well-established remuneration and benefit system, along with a sound talent development system, may enhance employee motivation and attract more top talent.	High	Medium	Long term	Operation links	Medium	Increase in Revenue	(1) Create an inclusive work environment: Establish open communication channels, provide psychological support, and help employees integrate better into teams and the organization. (2) Perform ongoing monitoring and evaluation: set up monitoring indicators such as employee satisfaction, turnover rate and the proportion of diverse employees, and adjust and optimize relevant policies and systems in a timely manner based on the monitoring results. (3) Formulate relevant policies and systems to ensure that diverse talents are given fair treatment and development opportunities. (4) Optimize the remuneration and incentive system.

Impact, Risk, and Opportunity Management

Hoperun Software pays high attention to risks related to employees' rights and interests, actively establishes a multi-channel communication mechanism, and promptly understands employee needs and feedback, to prevent and mitigate potential risks. To prevent labor disputes and maintain a harmonious employment environment, the Company has developed the Guidelines for the Regulation of Labor and Employment Risk Filing. Labor dispute cases are handled by business departments, with assistance from the Labor Dispute Mediation Committee of the Company. Additionally, the Company periodically offers special training on labor relations, to enhance risk prevention awareness and capabilities of employees and build a comprehensive line of defense for labor relations management.



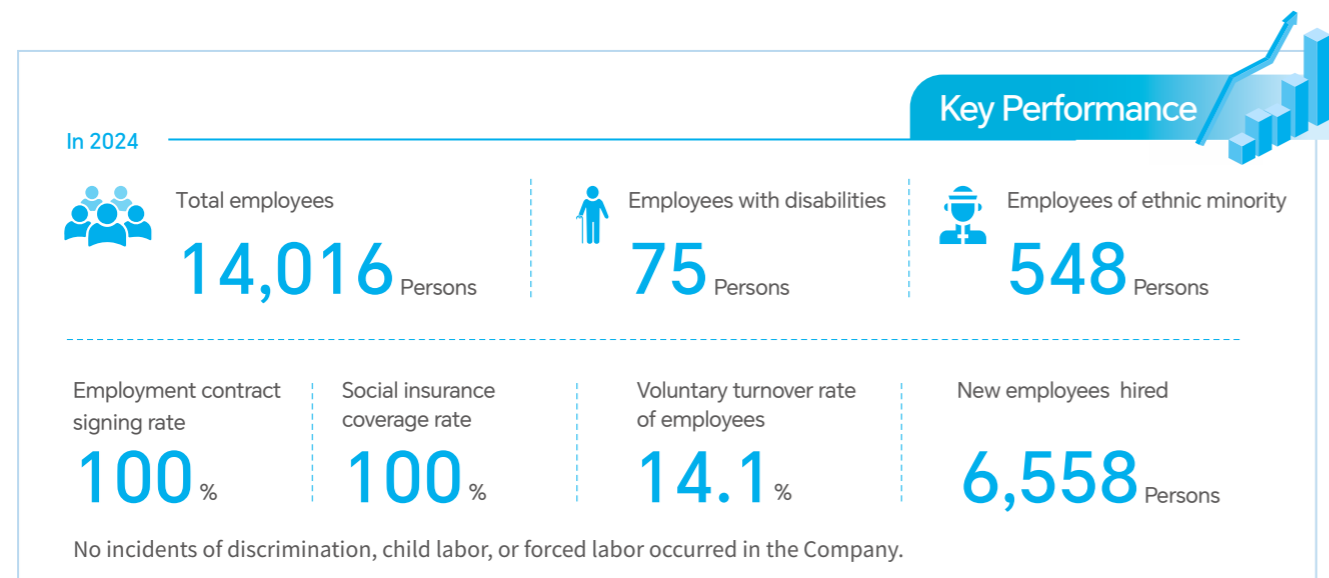
Training on Labor Inspection and Legal Awareness Enhancement



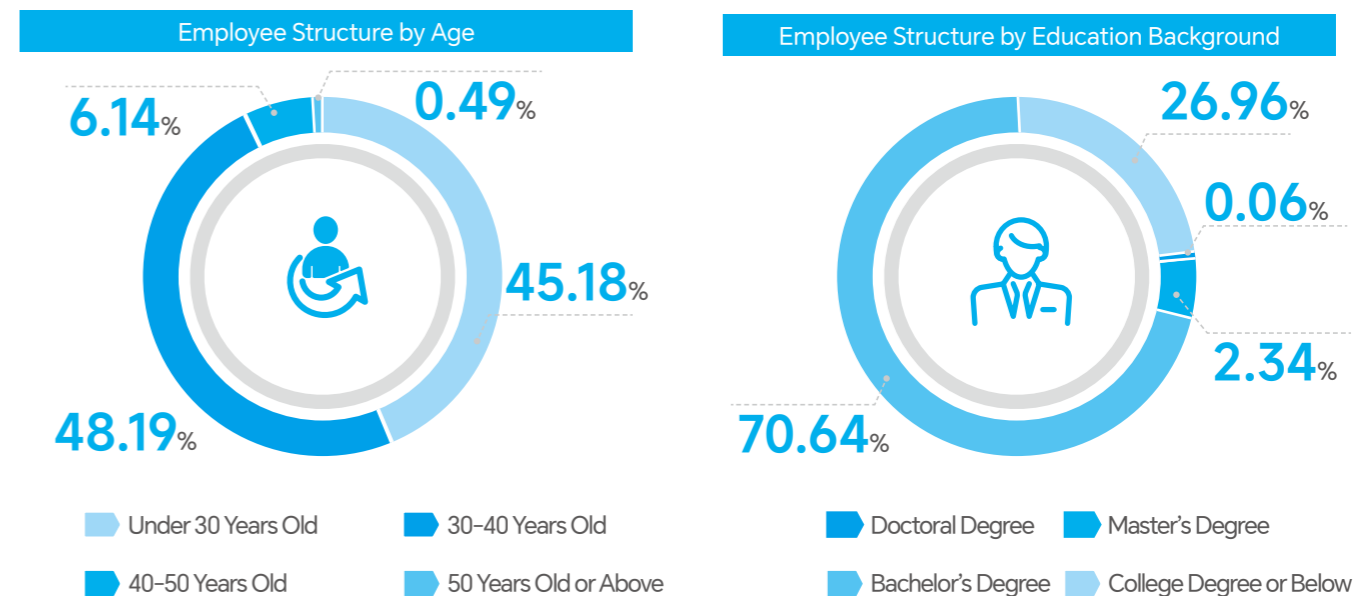
Metrics and Targets

Hoperun Software regularly conducts internal satisfaction surveys and invites third-party agencies to assess the harmony of labor relations, thus continuously improving employees' satisfaction and work happiness. Based on the feedback from surveys, the Company accurately optimizes its management processes and services, promotes high-level management improvement, and sets employee satisfaction and labor relations harmony indexes as key performance indicators. In addition, the Company has been awarded qualifications, including the National Harmonious Enterprise and the Outstanding Enterprise with Harmonious Labor Relations in Jiangsu Province.

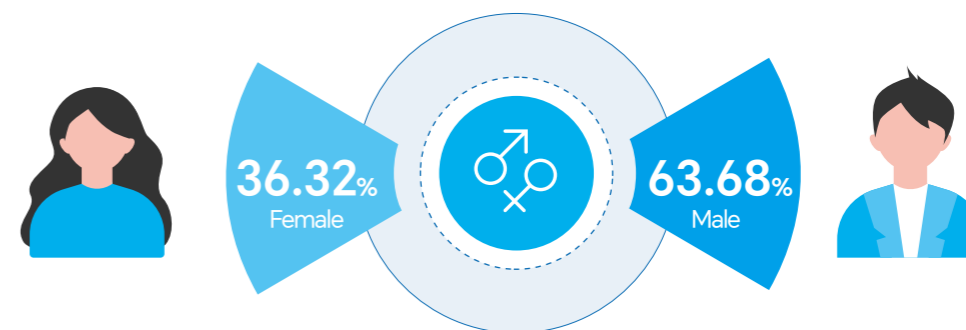
In 2024, the Company conducted the 2023 Labor Relations Harmony Index Assessment, and obtained a score of 92.



Employee Structure

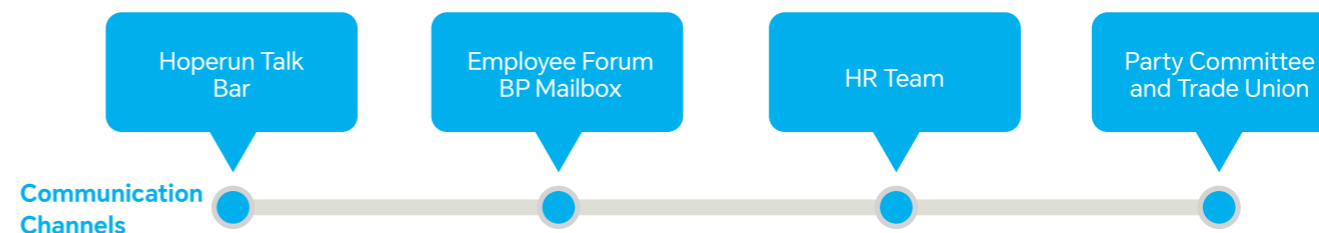


Employee Structure by Gender



Democratic Governance

Hoperun Software attaches great importance to employees' voices and feedback, and sets up a comprehensive and multi-level communication mechanism. The Company has established regular dialogue platforms such as Hoperun Talk Bar and Employee Forum BP Mailbox, to promptly listen to employees' demands in aspects such as career development and welfare, and actively follow up and provide feedback. We have legally established the Trade Union and the system of employee directors, to provide dual guarantees and deeply integrate employees' rights and interests into strategic decision-making. Moreover, the Company regularly holds Employee Congresses, and gathers diversified suggestions from organizations including democratic parties through mechanisms such as proposal implementation and democratic consultation. This helps to truly achieve a virtuous cycle where "employees' voices are heard, employees' rights and interests are protected, and employees' development is supported".



Case Study | Employee Congress

During the Reporting Period, Hoperun Software successfully held the 5th Session of the 4th Employee Congress, which focused on deepening the shared governance practice in the protection of employees' rights and interests. Through the deep participation of employee representatives in collective negotiations, the three core documents (i.e., the *Collective Wage Agreement of Enterprises in Nanjing City*, the *Special Collective Agreement on Skill-Based Pay*, and the *Special Collective Agreement on the Protection of Rights and Interests of Female Employees*) were reviewed and approved at the congress. This established a three-dimensional support system covering the optimization of the remuneration system, the release of skill value, and the care for special groups.



Employee Congress

Case Study | Trade Union Led the Restructuring of the Employee Canteen Committee

The Trade Union of the Company led the restructuring of the Employee Canteen Committee, to represent employees in exercising their democratic rights in accordance with applicable laws and regulations. The Employee Canteen Committee provided centralized feedback to the canteen on behalf of the employees and cooperated with the Administration Department to carry out supervision and management efforts, strengthening the implementation effectiveness of the democratic management mechanism in canteen affairs.



· Routine Inspections of the Canteen by the Employee Canteen Committee

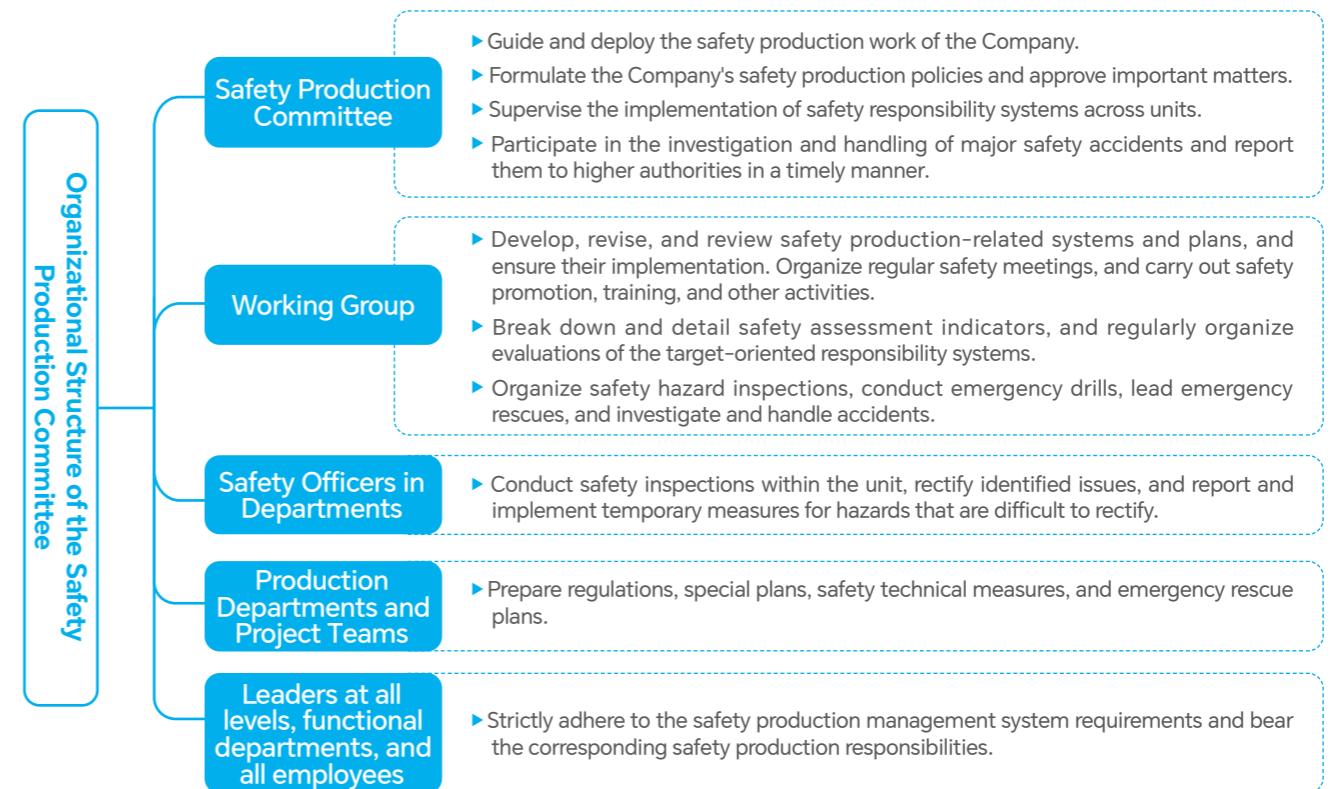
Occupational Health and Safety

Safety Management System

Hoperun Software attaches great importance to the management of production safety, and continuously improves the occupational health and safety management system in strict compliance with applicable laws and regulations such as the *Law of the People's Republic of China on Work Safety*. The Company has developed management systems such as the *Safety Production Management System* and the *Measures for the Administration of Safety Production Inspection*, to clarify the safety production responsibilities for all entities, management personnel, and employees at all levels in the Company. With clear safety management objectives, the Company adopts the way of full supervision, adheres to the combination of work objectives and monitoring indicators, and the combination of process assessment and result assessment, and standardizes the measures related to safety production. The Company establishes a working group responsible for daily safety production tasks, and enforces the responsibility of all parties, to realize the goal of safety production. During the Reporting Period, the Company passed the certification of the ISO 45001 Occupational Health and Safety Management System.



ISO 45001 Occupational Health and Safety Management System Certification



Indicator	Goal	Achievement
Occupational Health and Safety	0 major safety accidents	No major safety accidents occurred in the Company
	0 fire accidents	No fire accidents occurred in the Company.

Improvement of Risk Management

To ensure safety production, Hoperun Software has formulated management systems such as the *Hazard Identification and Risk Assessment Control Procedures*, and established a safety risk identification and control mechanism to prevent accident risks from the source. The Company regularly conducts safety inspections, and promptly identifies and eliminates safety hazards, to ensure that safety risks are under control.

Additionally, the Company has formulated the *Measures for the Administration of Emergency Response* to standardize emergency management and response processes, ensuring that emergency responses can be carried out quickly and effectively in emergencies to minimize casualties and property damage. The Company regularly organizes various emergency drills, including those for fire safety and food safety, to effectively improve employees' emergency response capability.

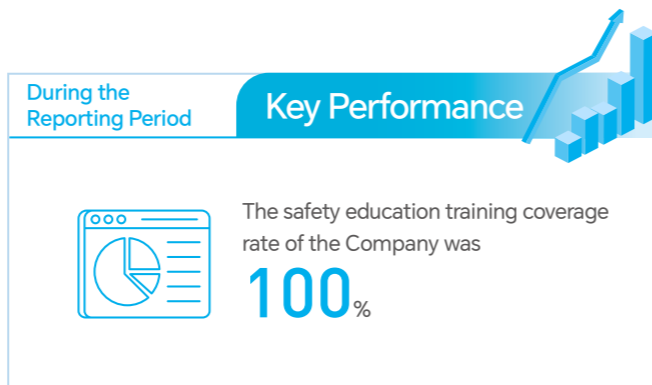


Case Study | Fire Drill

On November 8, 2024, the Company conducted a fire drill at the Hoperun Innovation & Intelligence Center in Nanjing Headquarters. The drill focused on fire prevention, the use of fire-fighting equipment, and other related knowledge, and invited employees to perform hands-on practice with fire extinguishers.



Fire Drill



Enhancement of Safety Management

Hoperun Software has formulated management systems such as the *Office Building Management System and the Management Measures for Access Control* to standardize safety management in office areas. The Company has developed a digital safety management platform for the Hoperun Innovation & Intelligence Center, ensuring the multi-dimensional office security in the park with digital management methods combined with video security monitoring systems, intelligent fire control systems, and smart card application systems. We attach importance to employee safety education and regularly offer training on occupational safety, to enhance employees' awareness of prevention.

- Organize monthly safety meetings to remind employees of precautions for safety production
- Issue safety production reminders, such as notices on the proper parking of electric vehicles
- Conduct safety emergency drills to improve employees' emergency response capabilities

Safety Management Measures

Protection of Employee Health

Hoperun Software attaches great importance to the physical and mental health of employees, and continues to optimize the employee health management mechanism. The Company regularly organizes health knowledge lectures, strengthens the promotion of occupational health, and effectively helps employees improve their health awareness and self-protection capabilities. The Company insists on organizing annual health checkups for all employees, implementing the "early detection, early prevention" mechanism to lay a solid foundation for employee health protection. In terms of cultural development, the Trade Union collaborates with departments to plan a series of themed activities, and enhances teamwork spirit and team cohesion through regular group entertainment programs and outdoor team-building activities.

公益课 | HOPERUN 润和软件

特殊时期的心理干预及情绪减压系列课程

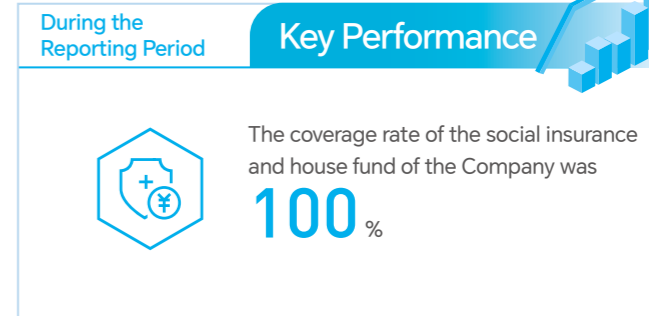
刘艳

- 中国管理科学研究院创新杰出人物
- ATMR心智系统创始人
- 国际注册高级教育培训师
- 国际注册高级心理咨询师

课程安排

- PART 1 认识压力** 8月11日 19:00-20:00
什么是压力，如何看待压力；压力的积极意义；压力不当带来的消极意义；什么是心理危机；公众心理危机反应的表现；心理危机引发的心理诉求；
- PART 2 识别情绪** 8月18日 19:00-20:00
认识人的特质；了解不同特质的人对于压力和危机理解的区别；具体的行为表现、情绪表现；
- PART 3 情绪减压** 8月25日 19:00-20:00
疏解心理压力的共性方法；不同特质的人疏解情绪压力的个性方法。

授课平台：小鹅通
开课前将以邮件形式发送课程链接
<< 长按识别二维码 立即报名



Public Welfare Courses
Invite external psychological counselors to give lectures on mental health.

Hoperun Talk Bar
Provide free psychological counseling services to employees, offer psychological guidance, and care for mental health.

Protection of employees' Mental Health

Case Study | Protecting the Safety in the Workplace and Building a Line of Defense for Health

To protect the life and safety of employees, the Company has installed Automated External Defibrillators (AEDs) in the lobby of the Headquarters, marked their location, and organized training on first aid skills such as CPR and AED. In addition, the Company has set up Health Stations for employees, which are equipped with advanced testing equipment and emergency medicines to provide employees with convenient health testing and medication services.



Automated External Defibrillator (AED)



Health Station

Supporting Employee Development and Building Growth Channels

Employee Remuneration and Benefits

Composition of Remuneration

The remuneration system of Hoperun Software is designed with full consideration of the characteristics, duties and requirements of different positions, the fairness inside the Company and the competitiveness outside the Company. We closely combine employee remuneration with individual performance, team performance and the overall performance of the Company, to realize the accuracy and flexibility of remuneration distribution.

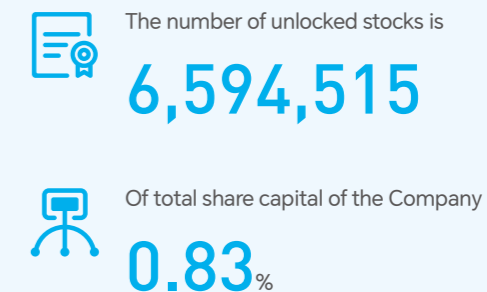
In strict compliance with the *Labor Law of the People's Republic of China* and other applicable laws and regulations, the Company formulates and improves the *Measures for the Administration of Employee Remuneration*, and clarifies that the composition of the compensation includes base salary, position wage, performance pay, project allowance and project bonus, to provide employees with a clear and competitive remuneration structure. In addition, the Company has introduced diversified incentives, such as bonuses and equity incentives, to encourage employees to pursue excellence and closely integrate personal goals with the Company's development strategy to achieve mutual development.



Case Study | Employee Stock Ownership Incentive

In order to establish and improve the benefit sharing mechanism for employees and shareholders, the Company developed and implemented an employee stock ownership plan to attract and retain key talent, effectively motivate employees' enthusiasm and creativity, enhance cohesion and competitiveness, and promote the long-term, continuous, and healthy development of the Company.

The Company implemented the Phase II Employee Stock Ownership Plan of Hoperun Software in January 2022. On May 8, 2024, after meeting the unlocking conditions of the first locking period of the Phase II Employee Stock Ownership Plan of Hoperun Software, 6,594,515 shares were unlocked, accounting for 0.83% of the total share capital of the Company.



Employee Activities

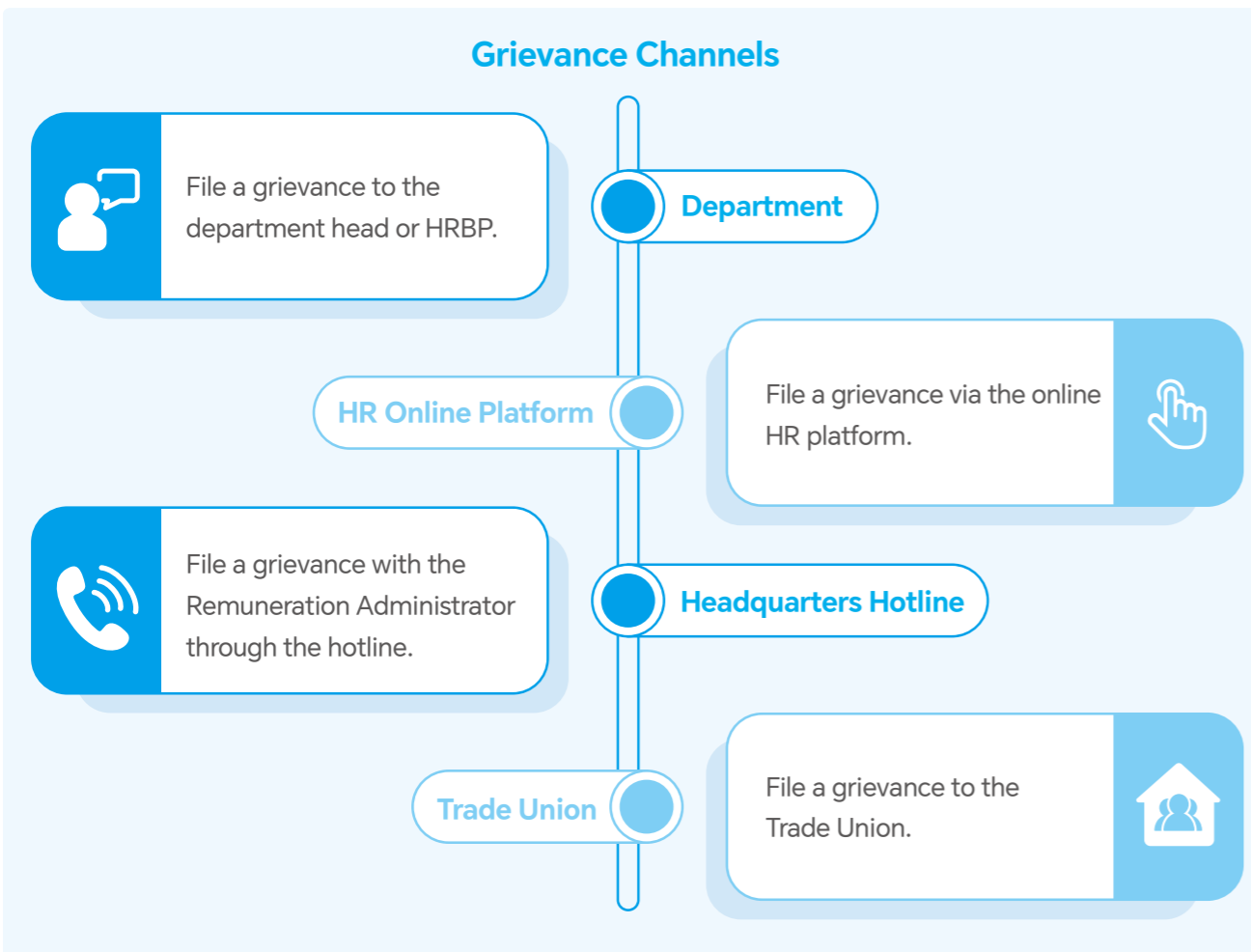
- TCM Consultation
- Quarterly Birthday Party for Employees
- Team-building Activities of Departments
- Mid-Autumn Music Festival
- Table Tennis Game
- Movie Watching Organized by the Trade Union

Performance Appraisals

Hoperun Software establishes the *Measures for Employee Performance Management* which clarifies the performance appraisal mechanism, and conducts regular monthly performance appraisals. The performance appraisal is based on key performance indicators, with performance ratings determined according to the employees' achievement of the preset indicators. Performance appraisal results serve as an important basis for the distribution of performance bonuses, and can effectively mobilize the subjective initiative of employees.

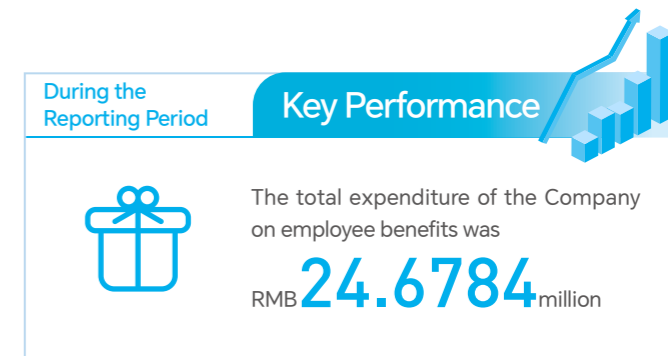


The Company has established a complete and effective performance appeal mechanism and provides diversified appeal channels to ensure that employees' appeals are handled in a timely and fair manner. For employees with poor performance, the Company provides a minimum of three months of performance coaching and one month of dedicated performance improvement, together with a *Performance Interview Record Form* to help employees identify the root causes of such poor performance. We also develop practical improvement strategies to help employees improve their performance and realize mutual growth with the Company.



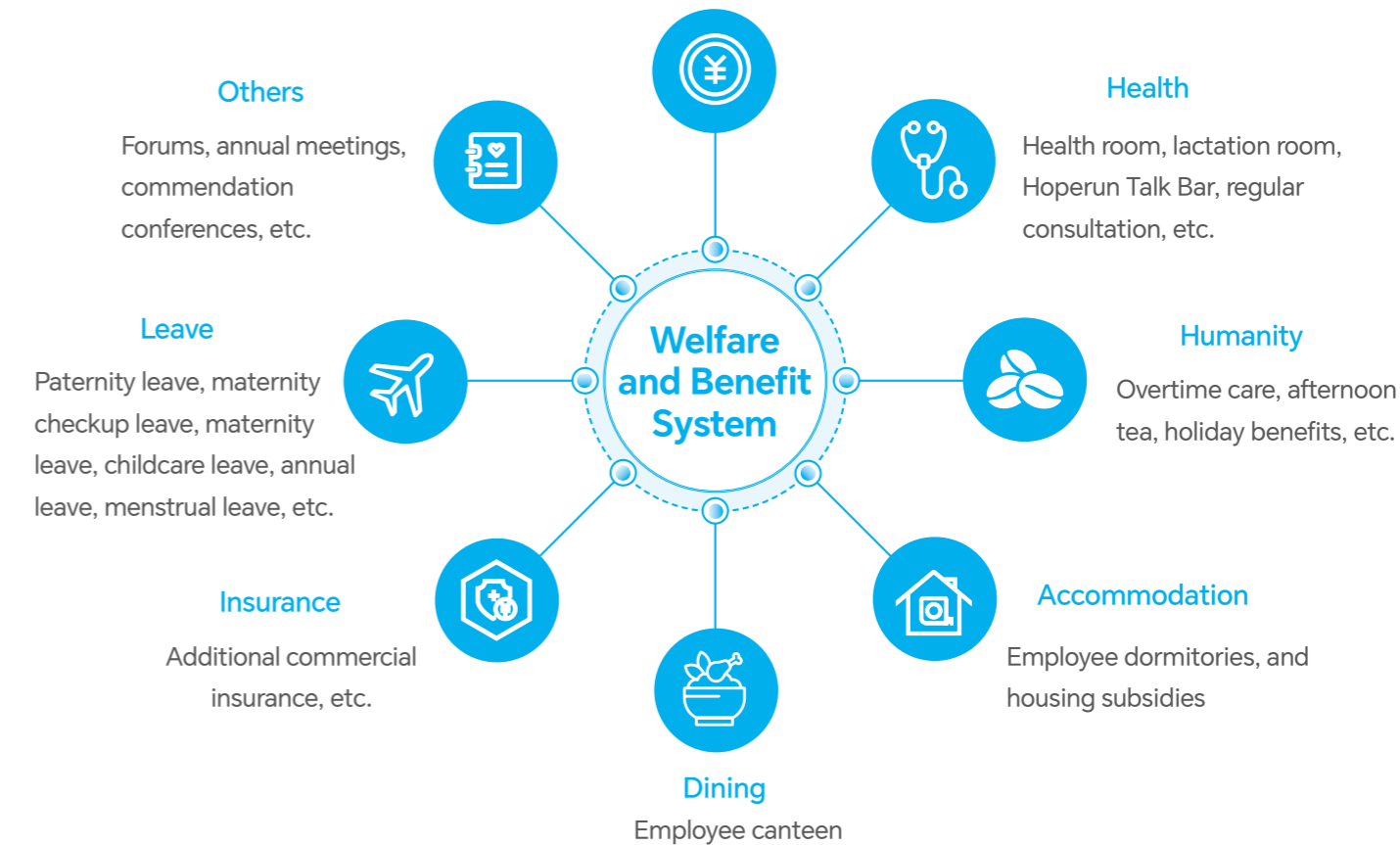
Benefit Protection

Hoperun Software effectively ensures employee benefits and continuously optimizes the employee benefit system. The Company contributes to the five social insurances and housing fund for all employees and ensures employees enjoy statutory holidays and leaves in accordance with applicable laws and regulations. In addition, the Company also offers a wide range of benefits such as paid leave, holiday benefits, commercial insurance, and trade union activities, to fully meet the diversified needs of employees.



Bonuses

Performance bonus, sales commission, holiday bonus, special contribution award



Case Study | All-round Care for Employees

During the Reporting Period, the Company actively provided care for employees and practiced “people-oriented” development with practical actions.

For hot summer days, the Company organized the “Sending Coolness in Summer” Event, and distributes bladeless neck fans, sunscreen and other heatstroke prevention supplies to employees. On important traditional festivals such as the Spring Festival, the Dragon Boat Festival, and the Mid-Autumn Festival, the Company provided employees with carefully prepared holiday benefits and organized special events to accompany employees in celebrating these festivals.



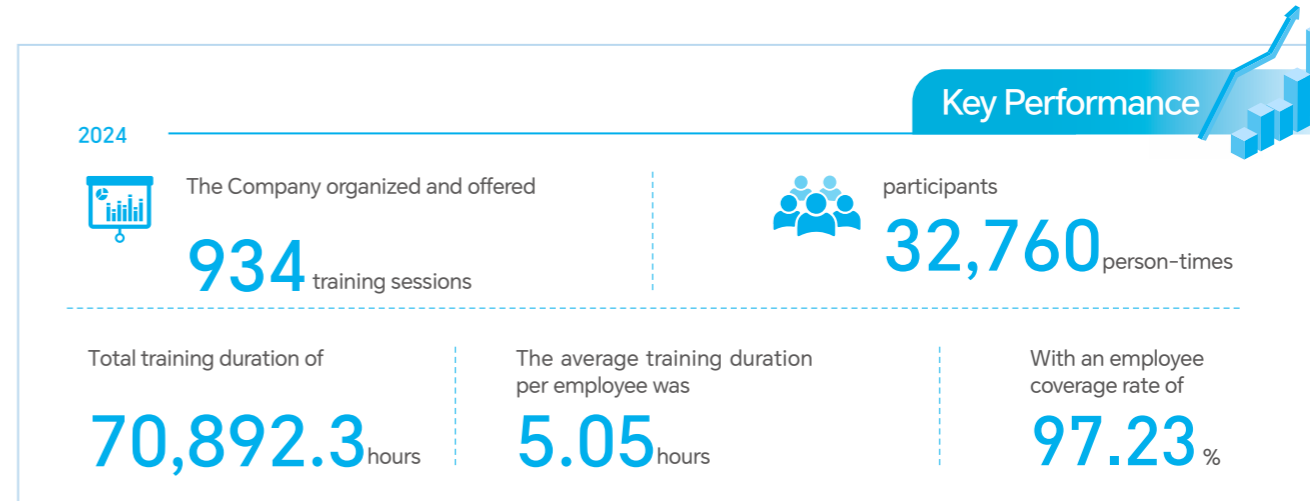
Employee Training and Development

Employee Training System

Hoperun Software has formulated the *Training Management System* and other management systems to strictly standardize the employee training process and requirements. The Company establishes sound talent standards and evaluation systems, implementing hierarchical training for employees based on the competency model. We offer professional training courses to enhance employees' professional skills, laying a solid talent foundation for the high-quality development of the Company.

Through the integration of training resources, Hoperun Software has developed a comprehensive employee development system. On one hand, the Company standardizes the internal lecturer selection process and establishes a learning resource sharing platform, to provide employees with a rich curriculum system through the integration of all learning resources. On the other hand, the Company builds corresponding training content systems and provides learning materials and tool templates, based on the needs and characteristics of different business lines. Additionally, the Company has established a comprehensive training evaluation system where we adopt diverse evaluation methods and tools such as the training effect quantification table to fully assess the efficiency, effectiveness and benefits of training, thus ensuring the high efficiency and high quality of training efforts.

The Company encourages and supports employees to obtain professional titles, vocational qualifications and other certificates, and formulates the *Reward Policy for Employees Obtaining Vocational Certificates*. According to this policy, employees can apply to the Company for partial reimbursement of the study costs and examination fees after obtaining relevant skill certificates. The Company maintains records of employees holding relevant certificates and gives priority to them in salary adjustments and promotions.



Training Programs

Leadership Training

- Feijiang MTP - Training Program for Successors of Senior Management
- Zhanjiang MTP - Training Program for Middle Management Candidates
- High-Quality Talent Development Program for Management - Development Program for Primary Management



Training on Specialized Capacity

- Training on Empowerment of Key Roles in Professional Sequences
- Series Training on “Embracing AI and Innovating for the Future”
- PM Training
- Departmental and Project-Level Training



Training for New Employee

- Mentorship Program for New Employees
- Development Program for Trainees from Campus Recruitment
- Induction Training for New Employees



Employee Training



Case Study | Zhanjiang MTP

On June 14, 2024, the Company launched the Special Training Camp for Middle Management Candidates – Zhanjiang MTP Phase II, aiming to strengthen the team of middle management candidates, deepen the recognition of core values by the management, and evaluate their development potential. The special training camp included four training sessions, and 40 middle management candidates participated in the training. The camp was successfully concluded on September 21, during which 10 business-related performance improvement topics were identified, and after two months of discussion and practice, the training results were finally presented in the form of topic reports.



Opening Ceremony of Zhanjiang MTP Phase II



Outstanding Trainees of Zhanjiang MTP Phase II

Case Study | Feijiang MTP

To build the leadership pipeline, cultivate and reserve core talents, enhance organizational innovation and transformation capabilities, and promote the rapid achievement of strategic goals, the Company launched a Training Program for Senior Management Candidates – Feijiang MTP. The program included nine training sessions that combined theoretical learning with hands-on practices. It involved thoroughly studying strategic topics throughout the process, promoting the implementation of these topics under the guidance of senior mentors, and successfully completing research on five major strategic topics.



Group Photo of Participants at the Closing Ceremony of Feijiang MTP



Training Session of Feijiang MTP

Promotion and Development

To broaden and improve employees' career development channels, the Company builds a matrix of "Management + Professional" dual-track career development, and establishes a competency model covering five major sequences including management, technology, sales, projects, and functions. This supports both vertical promotion and horizontal mobility, ensuring a clear alignment between employee capabilities to job value.

Career Development Channel



Employee Care

Support for Employees in Difficulty

Hoperun Software builds a long-term employee care mechanism, and forms a two-dimensional support system of “daily demand response + special event assistance”. The Company has formulated the *Management Measures for Emergency Response in Employee Care* which covers scenarios such as major illnesses, accidental casualties and sudden family difficulties of employees’ immediate family members, and established a mechanism for condolence and assistance to convey the warmth and support of the Company.



Care for Retired Employees

Retired employees, as witnesses and participants in the Company’s history, have made indelible contributions to its development. When employees retire, the Company carefully prepares a farewell party to express sincere respect and heartfelt gratitude to the retired employees.



Farewell Ceremony for Retired Employees



Protection of the Rights and Interests of Female Employees

Hoperun Software always attaches great importance to the protection of the rights and interests of female employees. Through the active implementation of applicable laws and regulations such as the *Labor Law of the People’s Republic of China* and the *Law of the People’s Republic of China on the Protection of Rights and Interests of Women*, the Company has formulated the *Special Collective Agreement on the Protection of Rights and Interests of Female Employees*, and actively implemented welfare policies such as maternity leave, breastfeeding leave, and menstrual leave. In addition, the Company focuses on enriching the cultural life of female employees, and the divisions and the Trade Union of the Company actively organize Themed Activities on Women’s Day to celebrate and recognize the contributions of female employees. During the Reporting Period, the Company held the First Female Employee Congress to further better understand the perspectives and suggestions of female employees and create a better environment for the development of female employees.



Lactation Room

During the Reporting Period

Key Performance

The proportion of female management personnel in the Company was **43.4 %**, and **107** employees took maternity leave, with the return rate of employees on maternity leave being **100 %**.



Case Study | Themed Activities on Women's Day

The divisions and the Trade Union of the Company organized themed activities on Women's Day, including a spring awakening party with blooming flowers, DIY of painted canvas bags, and cake baking. These activities allowed female employees to relax in a light-hearted atmosphere, further stimulated their work enthusiasm and creativity, and helped them contribute to the high-quality development of the Company.



Case Study | Convention of the First Female Employee Congress

On August 5, 2024, Hoperun Software held the Female Employee Congress and officially established the Women's Federation. This initiative marked a solid step for the Company in promoting gender equality, safeguarding the rights and interests of female employees, and fostering their professional growth. In the future, the Women's Federation of Hoperun Software, focusing on the Company's development strategy, will actively carry out various activities to further stimulate the enthusiasm and creativity of female employees and contribute to the sustainable development of the Company.



03

Symbiotic Growth: Green and Low-Carbon Practices

Our Philosophy

In this era, sustainable development has become a global consensus. Hoperun Software always adheres to the philosophy of green and low-carbon development, and integrates it into its future development blueprint with a broader vision and a more resolute determination. The Company integrates the philosophy of green and low-carbon development into its management and operations in an all-round way, and develops green products and services relying on its innovation ability, to empower the energy conservation, emission reduction and efficiency improvement of the industry chain and achieve a dynamic balance between business value and ecological responsibility.

Our Actions

- Response to Climate Change
- Environmental Compliance Management
- Green Products and Services
- Energy Utilization
- Water Resource Utilization
- Ecosystem and Biodiversity Protection
- Waste Disposal

Responded SDGs



Leading with Green Strategy and Advancing the “Carbon Peaking and Carbon Neutrality” Goal

Response to Climate Change

Governance to Address Climate Change

As a global challenge, climate change is having a multi-dimensional impact on ecosystem balance, economic system operation, and social sustainable development. In response to the national goals of “carbon peaking and carbon neutrality”, Hoperun Software establishes a climate risk identification and assessment mechanism based on the TCFD framework, identifies the climate risk in the whole operation cycle, and builds a sustainable development path. The Company has established a Climate Working Group led by the President’s Office, to coordinate and formulate the climate action framework and risk management strategies. To strengthen goal orientation, the Company incorporates climate performance indicators into the evaluation system for relevant department heads, to realize the two-way promotion of environmental responsibility and organizational effectiveness. In addition, we establish a cross-sectoral synergy and cooperation mechanism to promote the integration of climate-related initiatives with business operations, thus forming a closed-loop management system.

The Company has formulated the *Management Measures for Controlling GHG Emissions* to standardize the emission measurement standards and verification processes. In 2024, the ESG Working Group, together with the Climate Working Group and other relevant departments, offered training on carbon assets, carbon inventory and GHG emissions, with more than 200 participants.

Training on “Carbon Peaking and Carbon Neutrality” and ESG in 2024

Training	Training Topics
March 2024	Energy Management Policy of Hoperun Software, and Energy Management Plan of Hoperun Software
May 2024	Management Measures for GHG Emission Control of Hoperun Software
September 2024	Environmental Protection Policy of Hoperun Software, and ISO 14001 Environmental Management System
November 2024	Green Office Measures & Carbon Reduction Action Program of Hoperun Software

Strategies to Address Climate Change

Through in-depth insights into the global environment and the extensive consideration of the concerns of all parties, the Company identifies and evaluates climate risks and potential opportunities by taking into account multiple factors such as policy orientation, market dynamics and technological innovation. Based on this, the Company has developed a series of feasible countermeasures to enhance the Company’s resilience and resistance to climate challenges.

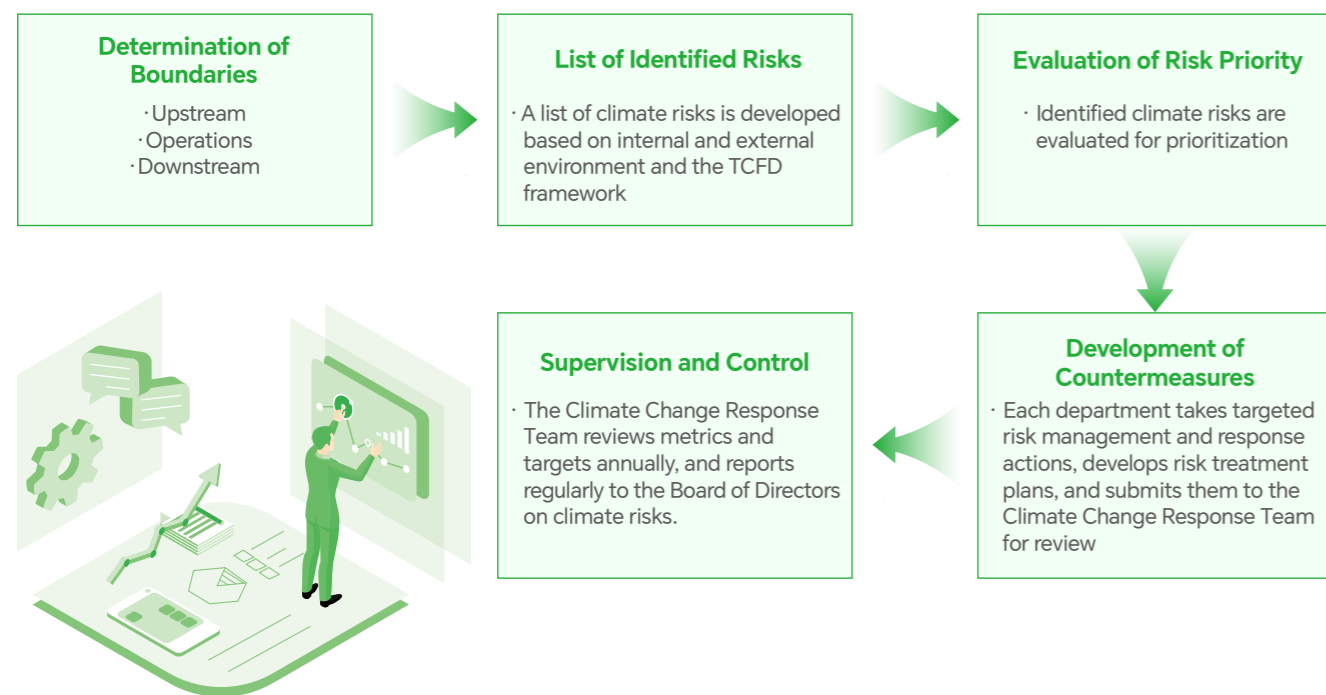
Risk Type	Description of Risk	Probability of Occurrence	Extent of Impact	Duration of Impact	Value Chain Links Impacted	Priority Ranking	Potential Financial Impact	Countermeasures
Physical risks	Acute risk	Low	High	Short and medium term	Operation links	Medium	Increase in operating costs	Regularly inspect and maintain equipment and facilities to strengthen their resilience to disasters; establish disaster emergency plans and enhance monitoring and early warning systems; Strengthen energy management and procure high-efficiency appliances.
	Chronic risk	Medium	Medium	Medium and long term	Upstream of the industry chain and operation links	Medium		

Opportunity Type	Description of Opportunity	Probability of Occurrence	Extent of Impact	Duration of Impact	Value Chain Links Impacted	Priority Ranking	Description of Potential Financial Impact	Countermeasures
Opportunities	Energy substitution	High	High	Medium and long term	Operation links	High	Decrease in operating cost	Increase the use of clean or renewable energy, and take energy-saving measures.
	Product and service opportunities	High	Medium	Medium term	Operation links and downstream of the industry chain	Medium	Increase in operating income	Create revenue growth points by launching a series of green products such as low-carbon intelligent building management platforms, AI energy management all-in-one machines, and PV panoramic monitoring all-in-one machines.

Impact, Risk, and Opportunity Management

Hoperun Software develops standardized climate risk identification, assessment, and management processes. The Climate Working Group regularly organizes and carries out climate change risk reviews, and flexibly adjusts and optimizes our risk management strategies according to dynamic changes in the internal and external environments, as well as timely updates of business plans, to continuously strengthen its climate risk management framework.

Climate Change Management Process



Metrics and Targets to Address Climate Change

Hoperun Software regularly conducts internal verification of GHG emissions and establishes reduction targets based on the verification results. The Company's emissions mainly are indirect emissions within Scope 2, originating from the consumption of electricity by power-consuming equipment such as computers and servers in the Company's offices and operations. Additionally, a small amount of implied emissions come from business travel and waste disposal. The Company actively takes actions for energy conservation and carbon emission reduction, and builds 1,500 square meters of distributed PV power generation system (with an installed capacity of 48.6 kW) on the rooftop of the park of the Headquarters. The PV system adopts the mode of surplus self-generated power on the grid after self-use, to realize the supply of clean energy. The Company also reduces GHG emissions in multiple dimensions through measures such as strengthening electricity consumption and waste management, and promoting green offices (see the "Green Operations" section for details), contributing to national goals of "carbon peaking and carbon neutrality" and the overall goal of limiting global warming to 1.5 °C.

Annual Emission Reduction Goal	Achievement
The GHG emission intensity of the Nanjing Park (tCO ₂ e per unit of self-use area in the park) decreased by 1% year on year	Achieved

GHG Emissions in the Past Three Years³

Key Indicators	Unit	2022	2023	2024
Scope 2: Indirect GHG Emissions	tCO ₂ e	2,025.89	1,174.71	1,471.31
Total Emission of Greenhouse Gases	tCO ₂ e	2,025.89	1,174.71	1,471.31
GHG Emission Intensity (Self-Use Area in the Park)	tCO ₂ e/m ²	0.1001	0.0847	0.0794

(Data Scope: Parant Company of Hoperun Software)

Empowering Green Technology Innovations and Building Low-Carbon Ecosystems

Green Products and Services

Hoperun Software follows national energy policies, and seizes the development opportunities brought by clean technology. Relying on the advantages of technical capabilities, the Company launches products and solutions (such as parks targeting at carbon peaking and carbon neutrality and low-carbon intelligent buildings) around government parks, enterprise parks, commercial complexes, colleges and universities, hospitals and other scenarios, and has been honored as the first batch of national green application software products.



Low-Carbon Smart Building Management Platform

Hoperun Software has developed the RHYU Low-Carbon Building Management Platform, which integrates cutting-edge technologies such as intelligent IoT, artificial intelligence, and intelligent energy. Relying on the "cloud-pipe-edge-device" intelligent IoT system architecture, the platform combines multiple functions including "intelligent security", "intelligent control", "intelligent operation and maintenance", and "intelligent carbon peaking and carbon neutrality". It provides customers with a cross-system linkage integration platform, intelligent microgrid energy management integrated products, and an AI-based dynamic big data platform for customer flow. This enables comprehensive intelligent management of parks, effectively reduces operational costs for enterprises, and helps parks achieve the "carbon parking and carbon neutrality" goals. Its excellent performance earned the Mall China's 2022 Golden Mall in Digital Innovation.

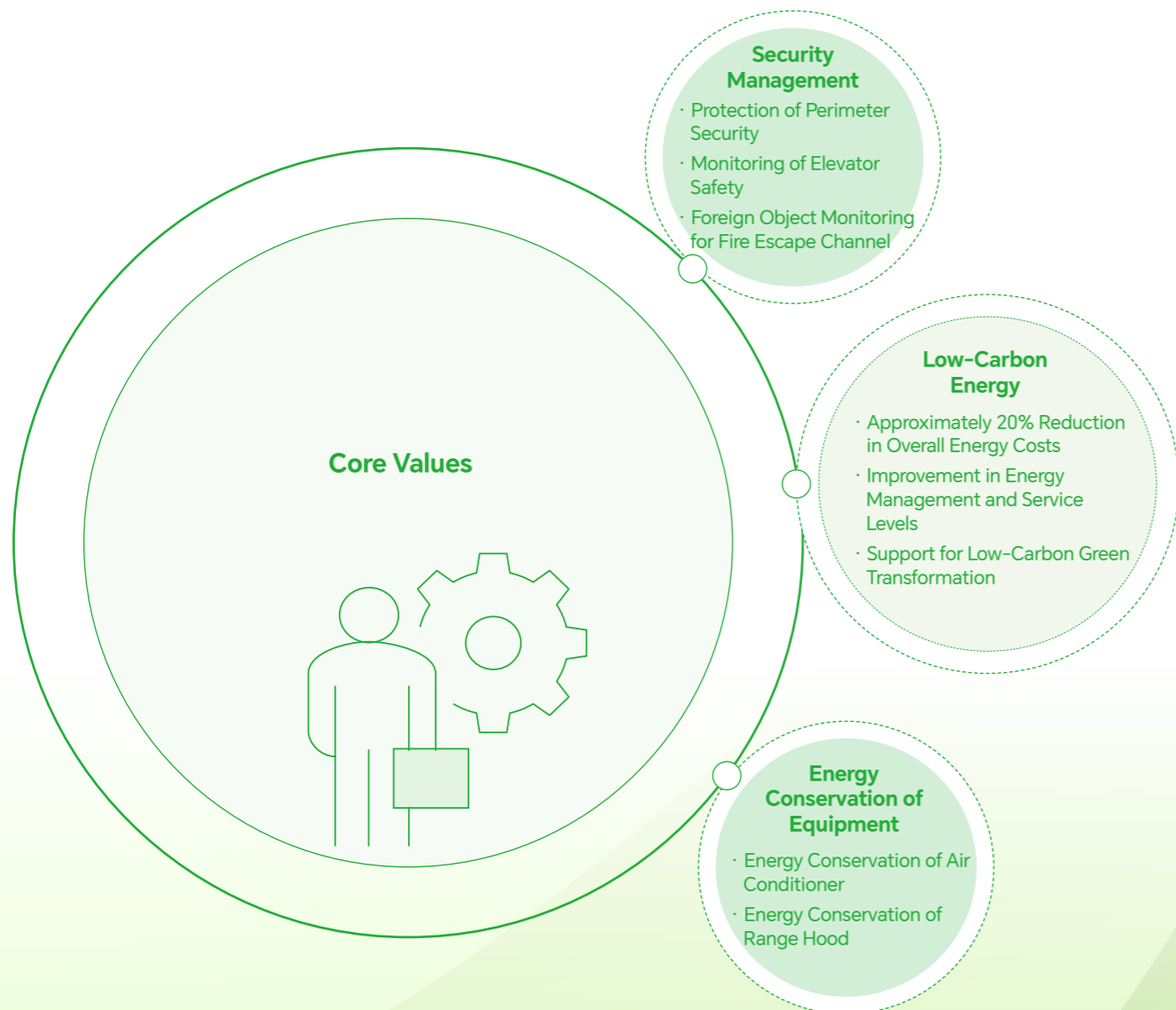


RHYU Cockpit Interface



Mall China's 2022 Golden Mall in Digital Innovation

³ The GHG emissions data covers the carbon dioxide emissions from the purchased electricity of Hoperun Software, which is calculated based on the product of the purchased electricity quantity and the grid emission factor, in accordance with the *Carbon Dioxide Emission Factors for Electricity in 2022* issued by the Ministry of Ecology and Environment and the National Bureau of Statistics of China.



Case Study | Suzhou Fanhua Center

Fanhua Center is a comprehensive complex integrating shopping, entertainment, leisure, and business offices in the northern part of Suzhou City, Jiangsu Province. Hoperun Software's RHYU platform connects and integrates hardware and communication from more than ten subsystems in the building scenario. Through data fusion, it allows one-click control of multiple professional systems, achieving a reduction of approximately 20% in energy consumption and about 15% in labor cost, together with a 100% fault handling timeliness rate. It has helped Fanhua Center become one of the first national malls, setting a benchmark for the national green consumer experience.

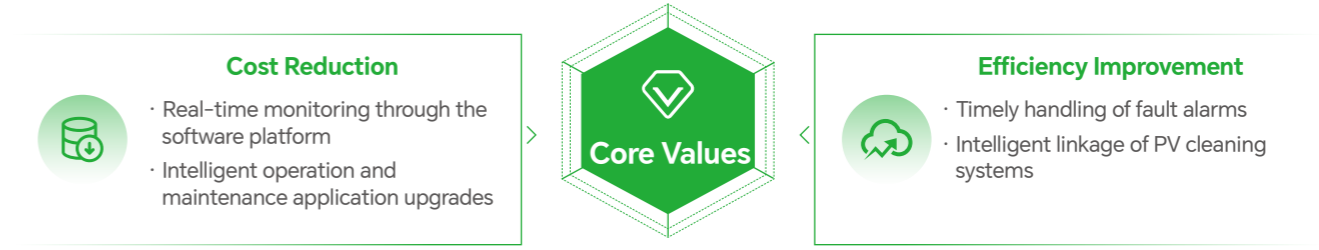


AI Energy Management All-in-One Machine

The AI Energy Management All-in-One Machine of the Company is an intelligent device that integrates an intelligent and comprehensive energy software platform and energy hardware equipment. Relying on advanced technology architecture, it efficiently integrates energy efficiency panoramic monitoring, carbon management, IoT platform management, equipment management and other functions, and can fully meet the demand for high-performance concurrency and high-capacity storage. The device enables the coordinated operation of traditional sensor collection, auxiliary control, edge computing, video AI intelligent analysis, and other processes. In practical applications, it not only helps enterprises reduce energy consumption, but also significantly improves energy management efficiency, providing strong technical support for companies to achieve the goal of energy conservation and emission reduction.

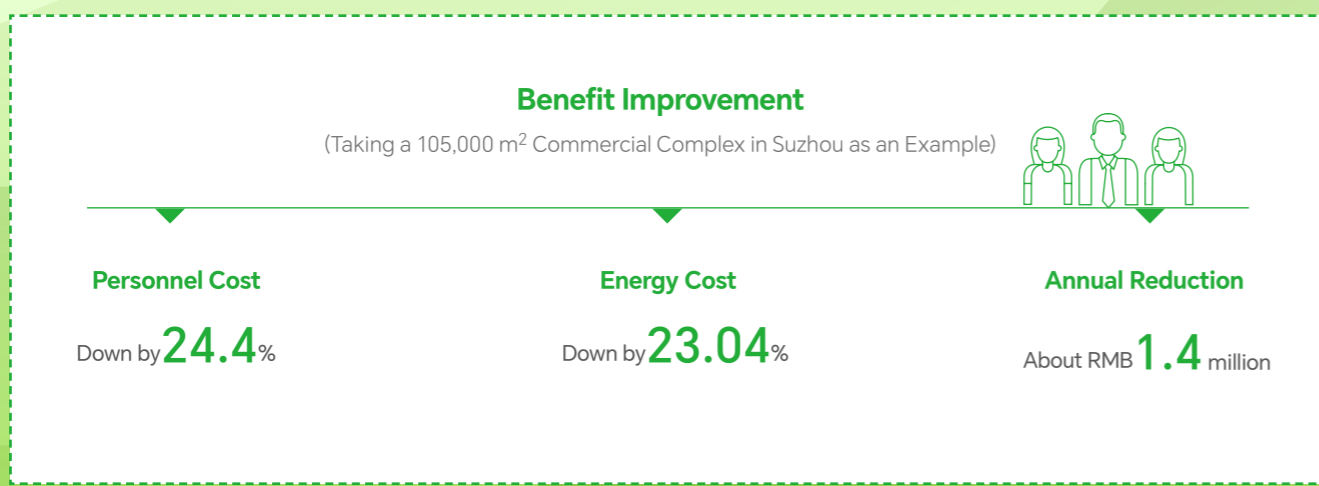
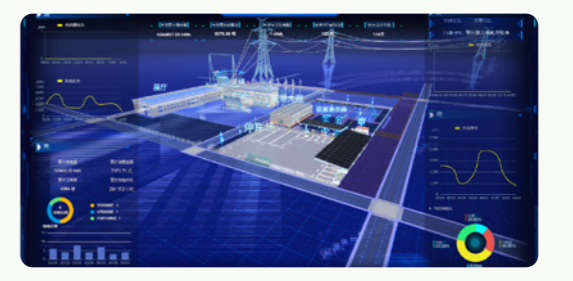


AI Energy Management All-in-One Machine



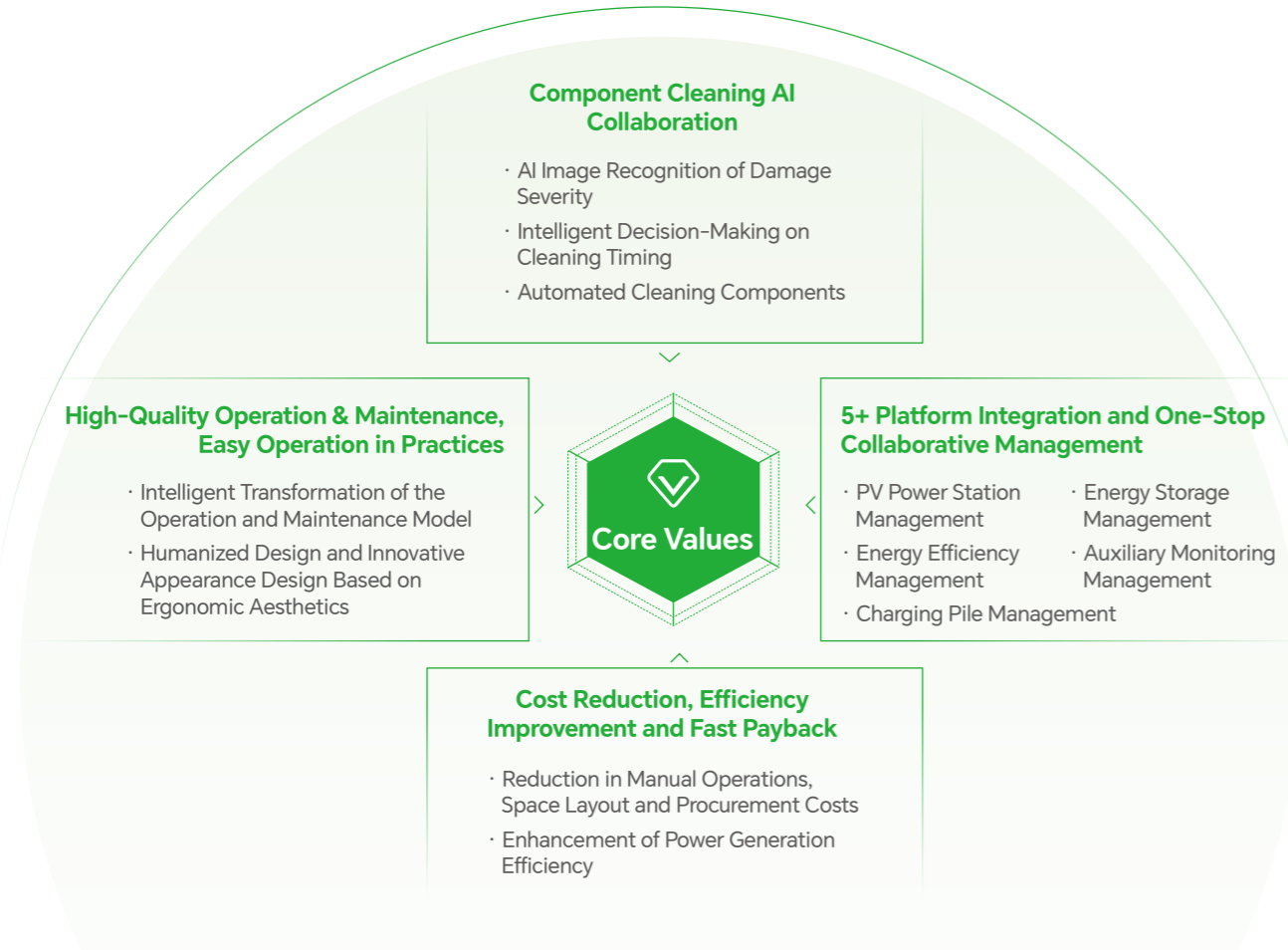
Case Study | Construction at a Power Supply Station in Ningxia for Carbon Peaking and Carbon Neutrality

The project focused on the new-energy construction of a power supply station in Ningxia, and deployed AI energy management all-in-one machines to build a "power source-grid-load-storage" comprehensive energy monitoring platform. It enabled the connection and monitoring of various new energy equipment and applied digital twin and 3D graphical technology to provide a panoramic view of the real-time operation status of each device. It also enables refined monitoring and management of itemized energy consumption, which helps reduce the energy cost of the power supply station by 12.5%.



PV Panoramic Monitoring All-in-One Machine

The PV panoramic monitoring all-in-one machine developed by the Company can integrate multi-category platforms to realize one-stop collaborative management. The Company's pioneering component cleaning AI, in combination with the strategy algorithm, can identify dust and dirt on PV modules with the image recognition technology. Considering weather and equipment conditions, it determines the optimal cleaning time, generates cleaning and operation & maintenance strategies, and links cleaning equipment to clean the modules, thus achieving cost reduction and efficiency improvement. In addition, with the help of PV panoramic monitoring platform, the product integrates 5 different platforms, supports customized development, realizes one-stop multi-platform collaborative management and significantly improves the efficiency of operation and maintenance.



Benefit Improvement

Fast Payback

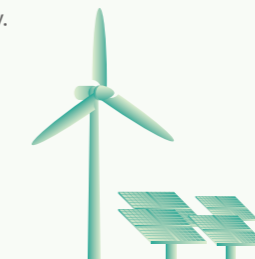
The payback period is at least 1 year, and the overall investment cycle can be shortened by about half a year. Calculated at distributed PV stations under 6MW, the payback period for investment in an all-in-one system is at least 1 year, and the overall investment cycle for the PV station can be shortened by about half a year

Quality Improvement and Efficiency Enhancement

The annual power generation of the PV power station is expected to be increased by approximately 5% on average, and the power generation efficiency will be improved by about 1.5% on average.

Case Study | Deployment in Anhui Tongling Jingda

The first PV panoramic monitoring all-in-one machine of Hoperun Software has been successfully deployed in the 7.9MW PV power plant of Tongling Jingda in Anhui Province. As the core brain of PV power plant panoramic monitoring and intelligent operation and maintenance, the machine successfully enables comprehensive monitoring of PV power plant and intelligent management of operation and maintenance, and helps the PV power plant to improve quality and increase efficiency.



Deployment of PV Panoramic Monitoring All-in-One Machine of Hoperun Software



Environmental Management

In strict compliance with the *Environmental Protection Law of the People's Republic of China* and other laws and regulations, Hoperun Software formulates internal management systems such as the *Environmental Protection Policy*, and continuously optimizes the environmental management system. The Company has passed the ISO 14001 Environmental Management System certification. The Work Safety Committee coordinates environmental management work, takes the lead in setting environmental goals, and supervises the realization of such goals. In the production and operation process, we focus on the impact on biodiversity, integrate circular thinking into our business strategy, and strive to promote harmonious coexistence between humans and nature while advancing the development of the Company.

During the Reporting Period

Key Performance



The Company invested RMB **492** thousand in environmental protection

0 major environmental violations and penalties occurred in the Company





ISO 14001 Environmental Management System Certification

Hoperun Software regularly conducts emergency drills for environmental emergencies to improve the on-site emergency response skills of employees. The Company advocates green office practices, and actively promotes paperless offices and resource recycling. In addition, the Company also organizes training on carbon reduction action plans and environmental protection policies, which helps employees understand the Company's goals and measures in carbon reduction and their own responsibilities and obligations in energy conservation and emission reduction.



Fire Emergency Drill



Training on Waste Classification



Inspired Evolution:
Leading the Industry with
Digital Intelligence Innovation

Harmonious Cohesion:
Talent Development and
Growth

03
Symbiotic Growth:
Green and Low-Carbon
Practices

Harmonious Co-construction:
Efforts to Create a Better
Future

Shared Trust:
Quality and Safety for Win-
win Benefits

Harmonious Governance:
Compliance for Steady and
Long-term Success



Promotion of Green Office and Carbon Reduction Action Plan



Promotion of Environmental Protection Policy

Energy Management

The main source of energy used in the daily operation of Hoperun Software is electricity. In strict alignment with the *Energy Conservation Law of the People's Republic of China*, the Company has formulated the *Energy Management Policy* and the *Energy Saving Management System* to clearly define the energy management responsibilities of each department. The Company continuously improves the management processes for electricity, water, and energy metering and detection, and has established a clear reward and punishment mechanism. During the Reporting Period, the Company passed the ISO 50001 Energy Management System certification.



ISO 50001 Energy Management System Certificate

Goals and Plans



Energy Management Plan

The Company plans to achieve a significant improvement in energy utilization efficiency in the next three to five years



Implementation Path and Strategy

- Optimize energy structure;
- Promote energy conservation and emission reduction;
- Strengthen energy management informatization;
- Establish cooperation and communication mechanisms;
- Establish energy management and assessment mechanisms.

Energy Conservation Measures

01

Strengthen the monitoring of power losses and perform regular repair of power supply equipment.

02

Encourage the use of natural light in the office and turn off lighting in public areas whenever possible.

03

Standardize air conditioner usage to control room temperature above 26 °C in summer and below 20 °C in winter.

04

Purchase commonly used electrical equipment with high energy efficiency ratings.

05

Promote online videoconferencing to reduce the use of lights and projectors in conference rooms.

Energy Consumption in the Past Three Years⁴

Category	Unit	2022	2023	2024
Purchased Electricity	kWh	3,775,416.66	2,189,173.63	2,741,910.21
Total Comprehensive Energy Consumption	tce	464	269.05	336.89
Intensity of Energy Consumption (Self-Use Area in the Park)	tce/m ²	0.0229	0.0194	0.0182

(Data Scope: Parant Company of Hoperun Software)

Water Resource Management

In strict compliance with the *Law of the People's Republic of China on the Prevention and Control of Water Pollution* and the *Water Law of the People's Republic of China*, Hoperun Software establishes internal management policies such as the Water Management System and the *Measures for the Administration of Water Resources*. The Company has set up an Energy Conservation, Emission Reduction and Water Management Office, which works with the Administration Department for the planning, implementation, and supervision of water use. The Company develops annual water use plans and budgets, and continuously strengthens water management to reduce water consumption and improve water efficiency.

⁴The energy consumption is calculated by reference to the *General Rules for Calculation of the Comprehensive Energy Consumption (GBT 2589-2020)* jointly issued by the State Administration for Market Regulation and the China National Standardization Administration Committee.

Water Conservation Measures

Inspection and Records

Regularly inspect for dripping faucets and damaged pipes, and report maintenance in a timely manner through the online reporting system.

Wastewater Recycling

A wastewater recycling bucket is equipped underneath the water dispenser in the pantry, which is specially designed to collect dripping water from the dispenser, remaining undrinkable water from employees, and wastewater generated during the purification process of the dispenser, thus enabling the recycling and reuse of wastewater.

Rainwater Recycling

The park adopts green irrigation methods and is equipped with a rainwater collection pool with a capacity of approximately 60 cubic meters. After rainfall, the rainwater is directed into the pool through the collection system and is used for the irrigation of plants and flowers, which effectively enhances the utilization of water resources.

Increased Awareness of Water Conservation

All restrooms are posted with water conservation tips to enhance employees' awareness of water conservation.

Water Consumption of Hoperun Software in the Past Three Years

Category	Unit	2022	2023 ⁵	2024
Water Consumption	Ton	19,327.24	13,821.59	13,137.71
Water Resource Consumption Intensity (Self-Use Area in the Park)	ton/m ²	0.9546	0.9968	0.7089

(Data Scope: Parant Company of Hoperun Software)

Emission Management

The waste generated during the daily operations of Hoperun Software mainly covers domestic garbage, paper and used batteries, and the air emissions primarily originate from office energy consumption and commuter vehicle exhaust. The Company defines waste classification, collection, labeling, and storage standards through the Measures for the Administration of Waste Disposal, provides categorized waste bins and guidance signs in public areas of the park to regulate the behavior of waste disposal. Waste is stored in designated zones before collection and disposal by professional organizations. The Company has set quantitative emission reduction targets and established supporting systems such as the Management Measures for Official Vehicles, to strictly control the scheduling and usage frequency of vehicles.

Waste Classification Management

General Solid Waste	Recyclable Solid Waste	Packaging materials, waste wires, etc.
	Non-recyclable Solid Waste	Domestic waste, etc.
Hazardous Waste	Disposable and Hazardous Solid Waste	Oil-containing solid waste, used gloves, waste toner cartridges, waste selenium drums, etc.
	Non-disposable and Hazardous Solid Waste	Waste batteries, waste light tubes, waste computer monitors, waste electronic components, etc.

⁵In addition to the efforts to enhance water conservation, the Company has strengthened its resource allocation and removed a portion of its office space, leading to a significant decrease in water consumption in 2023



Main Measures to Reduce Waste Generation

- Upgrade and refurbish old servers to extend their service life;
- Dismantle and recycle electronic devices that have exceeded their service life;
- Implement a mechanism to trade-in hazardous waste for new ones, set up recycling points for used batteries, and synchronize the return of old batteries when receiving new ones

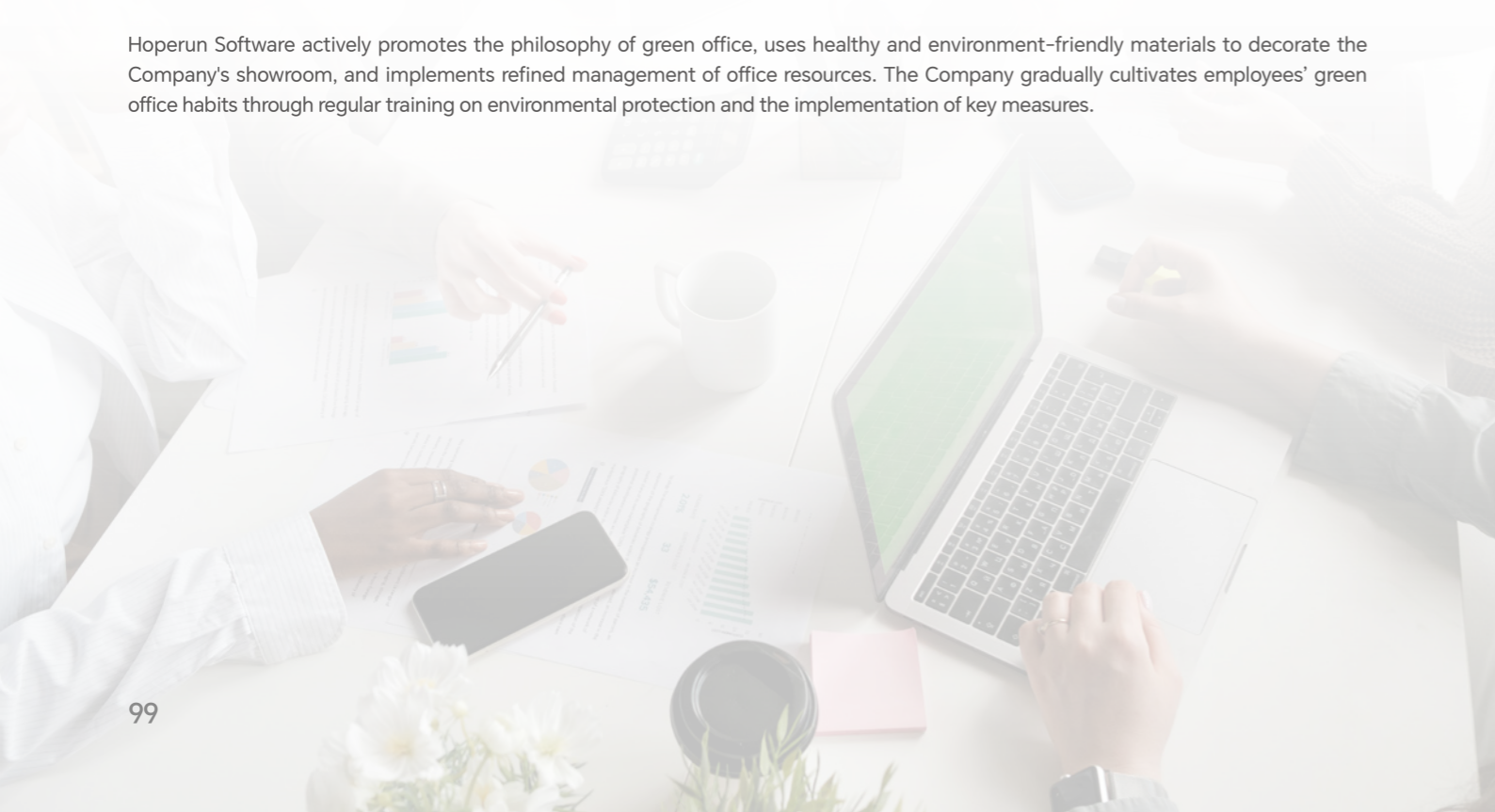


Main Measures to Reduce Waste Gas Emissions

- Encourage green travel and promote the use of public transportation for commuting;
- Strengthen the management of official vehicles and reduce vehicle usage frequency.

Green Office

Hoperun Software actively promotes the philosophy of green office, uses healthy and environment-friendly materials to decorate the Company's showroom, and implements refined management of office resources. The Company gradually cultivates employees' green office habits through regular training on environmental protection and the implementation of key measures.



Our Actions

Paperless Office

Enable paperless online information entry by scanning QR codes on mobile phones. Most of the registration, filing and data summarization work of the Company has now been incorporated into the information system, reducing the reliance on paper.

Use of Online Documents

Reduce document printing and delivery with online documents.

Paper Conservation

Promotion of Electronic Signatures

Promote electronic signatures in human resources management processes to enable paperless signing of contracts.

Secondary Use of Paper

Encourage employees to use old paper as draft paper and advocate for double-sided printing.



Low-Carbon Commuting

Promote an online office model.

Encourage employees to reduce unnecessary fieldwork and business trips.

Reasonably arrange work plans, optimize work processes, improve work efficiency, and avoid ineffective overtime.



04

Harmonious Co-construction: Efforts to Create a Better Future

Our Philosophy

Hoperun Software is actively practicing social responsibility and is committed to creating positive social impact. The Company deepens industry-education integration, and breaks down the development barriers between “universities, industries, and parks” to strengthen China through talent cultivation. Leveraging technological capabilities to empower rural revitalization through digital technology, we actively respond to the Belt and Road initiative and promote international exchange and cooperation. We also integrate social responsibility into our development strategy, and deliver positive value through innovative actions, to achieve the joint growth of the Company and society.

Our Actions

- Contribution to Society
- Rural Revitalization

Responded SDGs



Deepening Industry-Education Integration and Fulfilling Social Responsibility

Industry-Education Integration

Hoperun Software, as a core force in the industry, aggregates educational resources and industry development elements, continuously deepens industry-education integration, and promotes the collaborative development of industry, academia, and research. The Company will partner with more universities and industry-academia-research partners, leveraging regional platforms to continuously and efficiently gather innovative elements, accelerate the cultivation and identification of high-skilled talents adapted to the digital era, and integrate new quality productive forces for national and social development.

Name of Cooperation Unit	Main Cooperation Content
Shanghai Jiao Tong University	Co-building the "Online Joint Laboratory for Digital Energy"
Southeast University	Co-building the "Southeast University - Hoperun Joint Research Center of Intelligent Power Distribution Technology"
Jiangsu Industrial Technology Research Institute	Co-building JITRI-Hoperun Software Joint Innovation

Case Study | Donation of OpenBrother Project

In April 2023, the OpenBrother Development Board, developed under the leadership of Hoperun Software, was officially donated to the OpenAtom Foundation and renamed the "SourceBrother Project", becoming one of the foundation's first hardware open-source projects. The SourceBrother Development Board follows the principles of open-source hardware, open-source software, and open curriculum, fully aligning with the teaching requirements of the *Information Technology Curriculum Standards (2022)* to support and empower youth innovation education and open-source education.



Donation ceremony

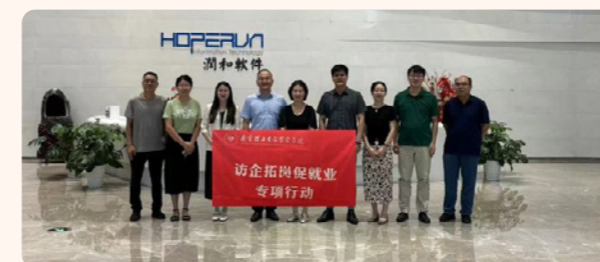
Case Study | Leadership in the Establishment of the National Smart IoT Industry-Education Integration Community

Runkaihong, a subsidiary of the Company, based on its own accumulation of the core OpenHarmony technology and its advantages in industrial implementation, works with Hoperun Software to take the lead in establishing the National Smart IoT Industry-Education Integration Community. The community serves as a platform to form a virtuous cycle of "introducing industry into education, promoting industry with education", creating a model that prioritizes both "the transformation of technological achievements" and "the implementation of industrial projects", to cultivate both "research-oriented talents" and "application-oriented talents" in collaboration with universities. Currently, the Company has led the establishment of organizations such as the National Smart IoT Industry-Education Integration Community of Hunan Province, the National Smart IoT Industry-Education Integration Community of Hubei Province, and the Smart IoT Industry-Education Integration Community of Anhui Province.



Case Study | Active University-Enterprise Cooperation and Exchange to Cultivate High-Quality Talents

During the Reporting Period, the Company actively promoted cooperation and exchange with schools and enterprises. In April 2024, the Company partnered with the Software Engineering Program of Neusoft Institute Guangdong to promote and popularize HarmonyOS. This collaboration focuses on professional co-building, horizontal cooperation, and joint training to develop students' HarmonyOS development skills. In September 2024, the Company partnered with the School of Intelligent Control at Nanjing University of Science and Technology Zijin College to jointly build an application-oriented talent cultivation mechanism. This partnership aims to provide students with employment platforms that match their skills, promoting high-quality employment for graduates.



Exchange with Nanjing University of Science and Technology



Exchange with Neusoft Institute Guangdong

Case Study | Chairman of Hoperun Software Awarded with the Certificate of Appointment for Industry Professor (Postgraduate Advisor) of Jiangsu Province

In May 2024, Mr. Zhou Hongwei, Secretary of the Party Committee, Chairman, and President of Hoperun Software, was awarded the Certificate of Appointment for Industry Professor (Postgraduate Advisor) of Jiangsu Province jointly issued by the Jiangsu Education Department, the Talent Work Leading Group Office of the CPC Jiangsu Provincial Committee, the Jiangsu Provincial Department of Science and Technology, and the Department of Human Resources and Social Security of Jiangsu Province.



Social Welfare

Hoperun Software has set up the Guangcai Program Foundation to support impoverished populations around Nanjing, and gradually expand its reach to other regions such as Anhui and Tibet. The Company continuously provides life support and care for 64 elderly individuals at the Senior Welfare Center of the Yuhuatai District in Nanjing and nearly 300 disabled children at the Nanjing Children's Welfare Center. We also fund university students to support the cultivation of software talent.

The Company has signed agreements with the Gajiaku Community and the Chunjiang Community in Yuhuatai District for joint development between enterprises and local communities. Through paired assistance, the Company contributes to the development of the communities. For example, the joint development project with Gajiaku Community has expanded from the initial "Sunflower Growth Camp" for helping impoverished children, to a project encompassing the political, economic, cultural, social, and environmental construction of the community. We contribute to the overall development of local communities by organizing employees to participate in community-themed Party building activities, inter-enterprise collaboration, cultural events, social development projects, and environmental initiatives such as tree planting, contribute.

During the Reporting Period

Key Performance



The Company donated RMB **2.75** million, RMB **2.31** million and RMB **5.53** million in 2022, 2023 and 2024, respectively.



The Company organized **31** volunteer activities, with **260** participants and a total duration of **124** hours, and **4** hours of volunteer service per person.

Case Study | "Sunflower" Youth and Children Assistance Project in Gaojiaku Community

The Company carried out the "Sunflower" Youth and Children Assistance Project in the Gaojiaku Community, and provided support through various methods such as daily care, visits, psychological counseling, and cultural performances. The project aimed to enrich the cultural life of young people, offer them help in daily life, study, and psychological development, fostering their healthy development.



Signing Ceremony of the "Sunflower" Youth and Children Assistance Project in Gaojiaku Community

Inspired Evolution:
Leading the Industry with
Digital Intelligence Innovation

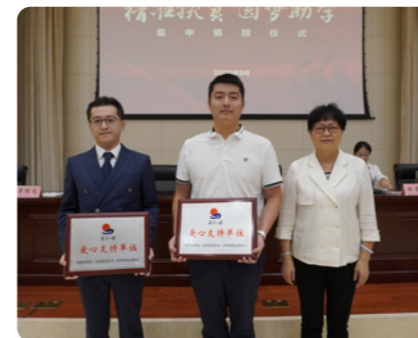
Harmonious Cohesion:
Talent Development and
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Symbiotic Growth:
Green and Low-Carbon
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Harmonious Co-construction:
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Shared Trust:
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Donations to Poverty-Stricken
Students in Chizhou



Donation to Nanjing
Children's Welfare Institution



Public Welfare Activities for
Environmental Protection



Donations to Street
Nursing Homes



Volunteer Service in
Nursing Homes



Lectures of Party Committee for Students
of Nanjing Foreign Language School

Promoting Rural Revitalization and Deepening International Exchanges

Rural Revitalization

In active response to the national rural revitalization strategy, Hoperun Software signed an urban-rural joint development agreement with Shuangba Village, Sanhe Town, Hongze District, Huai'an City. Leveraging our advantages in talent, information, technology, and culture, we integrate the existing characteristic industries of Sanhe Town and Shuangba Village to help create the "Green Shuangba" platform and establish online display channels, to promote rural economic revitalization and rural civilization.

Case Study | Promotion and Sales of Agricultural and Sideline Products

The Company's original inspirational drama "Chip Era" was successfully staged at the Nanjing Poly Grand Theatre. During the performance period, the Company helped Shuangba Village display local agricultural and sideline products such as crab gift boxes. Leveraging the influence of the drama, the Company promoted the agricultural and sideline products from Shuangba Village and supported product sales.



Promotion of Agricultural and Sideline Products in a Theatre

Measures for Rural Revitalization



Exchange on Paired Assistance for Shuangba Village



Sales of Agricultural Products from Shuangba Village at the New Year's Shopping Festival

Responsibility Fulfillment on Overseas Markets

In active response to the Belt and Road Initiative, Hoperun Software engages in international exchange and cooperation, and actively expands overseas business. During the Reporting Period, the Company participated in the Open Community Experience 2024 in Germany, held in-depth discussions with the Eclipse Foundation, the Oniro Project Group as well as Bosch, and launched the SparkLink development kit based on Oniro and Kanto, to support the development of the related ecosystem. At the FOSSASIA Summit held in Hanoi Vietnam in April 2024, the Company launched its HopeOS V22 enterprise-grade operating system and distributed soft bus cross-system and cross-protocol distributed computing collaboration solutions at the summit, and shared the Company's active contributions to the openEuler community.

Case Study | Presence at the "Technology Diversification and Product Strategy Forum for Smart Society" in Tokyo, Japan

On August 30, 2024, the "Technology Diversification and Product Strategy Forum for Smart Society" kicked off at the Tokyo International Exhibition Center in Japan. As an important member of the International SparkLink Alliance, Hoperun Software showcased HiHope's full-stack capabilities, SparkLink's new module development boards, and other products and industry solutions at the forum.

In the principles of "technology standardization, standard industrialization, and industry internationalization", the forum organized by the International SparkLink Alliance aimed to convey the advantages of SparkLink technology to enterprises, encourage more companies to actively adopt SparkLink, and promote the commercial deployment of SparkLink. The forum also called for joint efforts with partners to advance the international commercialization of SparkLink, build a global SparkLink industrial ecosystem, and foster co-creation and shared benefits across the upstream and downstream industry chains.



SparkLink Series Exhibits of Hoperun Software Attracted Widespread Attention from Forum Attendees

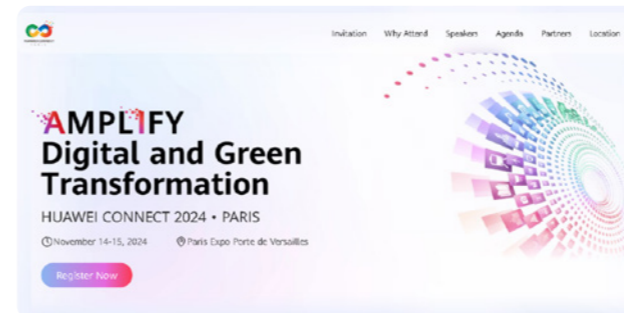
Overseas Activities



Participation in Jiangsu Digital Industry Innovation Cooperation Matchmaking Conference in Dubai, UAE



Participation in the Open Community Experience 2024 ("OCX 2024")



Participation in HUAWEI CONNECT 2024 · PARIS



Participation in FOSSASIA Summit 2024 in Hanoi, Vietnam

05

Shared Trust: Quality and Safety for Win-win Benefits

Our Philosophy

With responsibility as the anchor and resilience as the chain, Hoperun Software builds a comprehensive information security management framework to protect data security. The Company always remains steadfast in its commitment to customer value, and consistently delivers high-quality products and services. By forging strong partnerships with customers and collaborators, we aim to cultivate a sustainable, mutually beneficial ecosystem that drives the long-term growth of the business landscape, and achieve sustainable and win-win outcomes for all stakeholders.

Our Actions

- Information Security and Privacy Protection
- Product Safety and Quality
- Protection of Customers' Rights and Interests
- Responsible Supply Chain Management

Responded SDGs



Improving Quality and Efficiency to Strengthen Foundation, Safeguarding Security to Establish Trust

Information Security and Privacy Protection

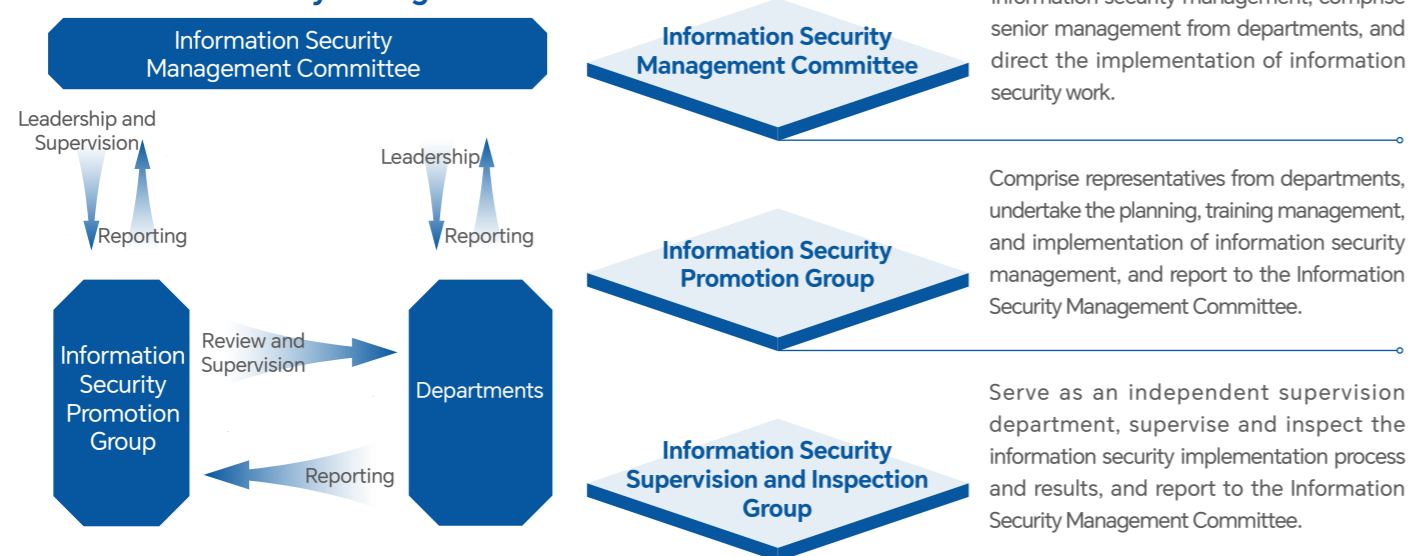
Information Security Governance

To comprehensively enhance employees' awareness of information security, regulate the Company's information security behaviors, and effectively prevent security incidents, Hoperun Software provides comprehensive and systematic protection for customer information and critical information assets in strict compliance with the *Cybersecurity Law of the People's Republic of China*, the *Data Security Law of the People's Republic of China*, and the *Personal Information Protection Law of the People's Republic of China*. The Company has developed management documents such as the *Information Security Management Manual* and the *Information Security Policy*, to establish a systematic information security management framework. The Information Security Committee is responsible for organizing, coordinating, and supervising the operation of the information security management system. The Information Security Promotion Group is responsible for organizing departmental information security heads and specialists to regularly report on departmental information security issues and special audits, to measure, analyze, and evaluate the effectiveness of the Company's information security management system thereby ensuring the continuous and stable development of the Company. During the Reporting Period, the Company passed the ISO 27001 Information Security Management System certification.



Information Security Management System Certificate

Organizational Chart for Information Security Management



Information Security Strategy

Hoperun Software attaches great importance to the data security and privacy protection of customers and individuals. The Company formulates strategies and objectives, continuously improves its information security governance capabilities, actively identifies and analyzes the risks and opportunities arising from information security and privacy protection, and evaluates potential impacts.




Risk Type	Description of Risk	Probability of Occurrence	Extent of Impact	Duration of Impact	Value Chain Links Impacted	Priority Ranking	Potential Financial Impact	Countermeasures
Reputation Risks	Data breaches (if any) may affect customers' confidence and trust in the Company, potentially impacting the Company's business operations and market value.	Low	Medium	Short term	Operation links	High	Increase in operating costs	(1) Strengthen information security management and training to control risks from the source; (2) Develop emergency response plans.
Technology Risks	Network threats (if any) such as hacker attacks, DDoS attacks, or misbelief in phishing emails or websites may lead to network paralysis and affect production and operations.	Low	Medium	Short term	Operation links	Medium	Increase in operating costs	(1) Strengthen access control and encrypt sensitive data; (2) Regularly back up important data and ensure quick recovery of business operations.

Opportunity Type	Description of Opportunity	Probability of Occurrence	Extent of Impact	Duration of Impact	Impact on Value Chain	Priority Ranking	Potential Financial Impact	Countermeasures
Technological Opportunities	With the continuous development of emerging technologies, enterprises can reduce costs and increase efficiency through technological innovation, driving business development.	High	Medium	Long term	Operation links	Medium	Increase in operating income	Actively integrate technologies such as AI, machine learning, and blockchain to improve development efficiency and software quality.
Reputation Opportunities	Network threats (if any) such as hacker attacks, DDoS attacks, or falling victim to phishing emails or websites may lead to network disruptions and affect production and operations.	High	High	Long term	Operation links	High	Increase in operating income	(1) Regularly conduct security audits to test and check the security of systems; (2) Continuously iterate and upgrade data security solutions.

Impact, Risk, and Opportunity Management







Hoperun Software has formulated the Risk and Opportunity Control Procedures to standardize the identification, assessment, and response to risks and opportunities. Based on the impact extent and likelihood, we score and rank risks and opportunities, classify the risk level, and carry out targeted improvement work to prevent or reduce the unintended impact.

Risk and Opportunity Management Process


Management Processes	Management Measures
 <p>Risk and Opportunity Identification</p>	<ul style="list-style-type: none"> Identify risks and opportunities related to the loss of confidentiality, integrity, and availability of information within the scope of the information security management system; Identify the responsible persons for risks; Discover potential opportunities through market research, industry analysis, competitor analysis, and other means.
 <p>Risk and Opportunity Assessment</p>	<ul style="list-style-type: none"> Quantify the potential impact and probability of risks; Determine the risk level and priority, and compare with risk criteria; Assess the potential value of opportunities; Evaluate the implementation effects of opportunity plans, and continuously improve the opportunity management process based on the evaluation results.
 <p>Response to Risk and Opportunity</p>	<ul style="list-style-type: none"> Implement differentiated control strategies for risks, strictly controlling high risks and flexibly responding to low risks; Select applicable control measures based on the ISO 27001 standard; Prepare a statement of applicability to explain the reasons for selecting specific control objectives and control measures; Develop detailed risk disposal plans and security specifications; Implement security measures such as access control and data encryption; Regularly assess the effectiveness of opportunity management and summarize lessons learned; Seize opportunities to achieve sustainable development.

In addition, the Company takes measures to strengthen information security defense capabilities, improve the accuracy of monitoring and early warning, ensure the timely discovery and proper resolution of information security vulnerabilities, and continuously optimize and maintain information security protection capabilities.

Our Measures

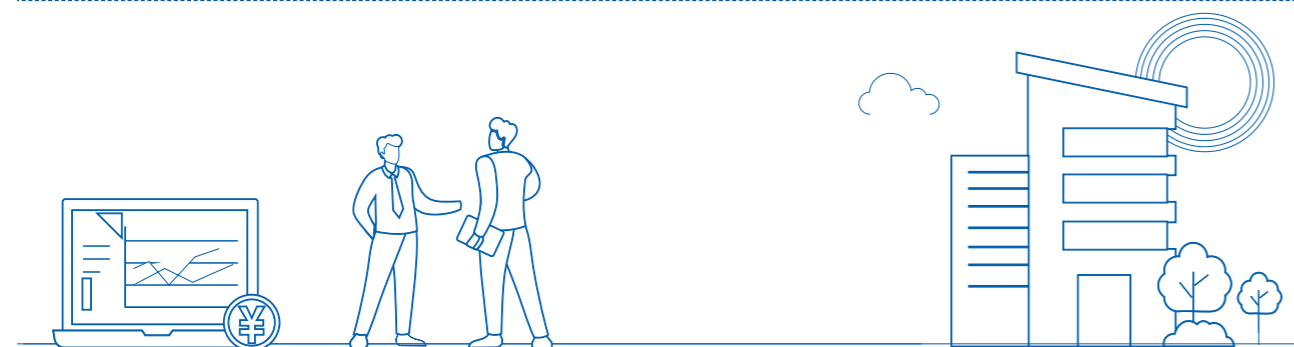
 <p>Personal Information Security Control</p>	<ul style="list-style-type: none"> Develop the Privacy Information Protection Control Procedures to clearly define control requirements for the collection, transmission, storage, use, sharing (with third parties), and disclosure of privacy data.
 <p>Data Encryption Technology</p>	<ul style="list-style-type: none"> Use SSL/TLS encryption protocols to protect network communications; Adopt AES encryption algorithms to ensure the confidentiality and integrity of stored data.
 <p>Data Access Control</p>	<ul style="list-style-type: none"> Implement strict policies to restrict access to critical information to authorized personnel only; Use multi-factor authentication to enhance security; Achieve flexibility and security of access control through role-based access management.
 <p>Data Auditing and Monitoring</p>	<ul style="list-style-type: none"> Monitor data processing and access in real time; Record activities to ensure legality and compliance; Conduct regular audits to identify and resolve data processing issues.
 <p>Emergency and Drills</p>	<ul style="list-style-type: none"> Establish a complete emergency response mechanism for unforeseen events to ensure a quick response to information security incidents, minimizing losses; Conduct emergency drills such as data backup recovery and switching disaster recovery systems during system overload.
 <p>Enhancement of External Cooperation</p>	<ul style="list-style-type: none"> Purchase software and hardware such as firewalls, ecosystem perception systems, and IPGUARD terminal security management software to ensure terminal security and the overall stability of the network environment.

To comprehensively enhance the information security awareness of all employees, the Company makes greater efforts in information security promotion, and organizes information security training. This helps employees acquire knowledge related to information security, improves the ability to prevent information security risks, and establishes a strong awareness of security and confidentiality.

During the Reporting Period	Key Performance	
	Training sessions on information security 119 sessions	Participated in the training 2,885 persons



Training on Information Security

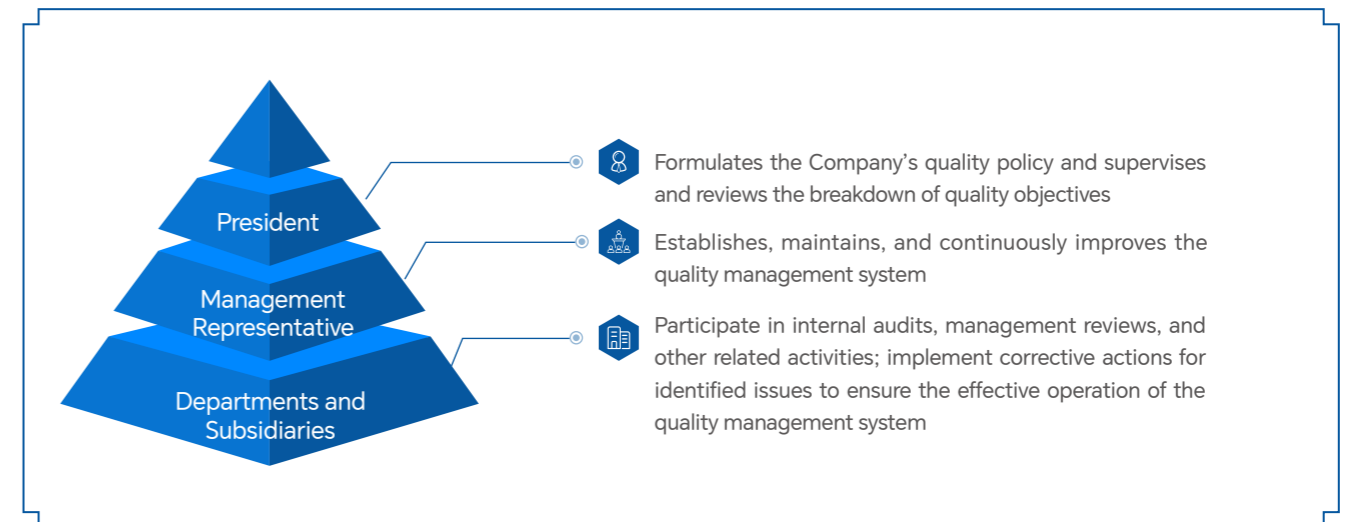


Information Security Metrics and Targets

To prevent information security risks, Hoperun Software has set up management indicators and further decomposed the management indicators to set quantifiable and comparable goals for departments such as the Software Delivery Center. The Company assesses the relevant goals on a quarterly basis to ensure the effective implementation of the information security management and further enhance the information security management level.

Indicator	Achievement	
	Goal	Achievement in the Reporting Period
Handling Rate of Unacceptable Risks	100%	No unacceptable risks
Major Information Security Incidents	0 case	0 case
Minor Information Security Incident	Less than 3 times/year.	0 times
Departmental Computer Virus Infection Rate	No more than 1 time/year.	0 times
Customer Complaints Due to Information Security Incidents	Less than 2 times/year.	0 times
Compliance Rate of Computer Password Strength	98%	100%

Organizational Chart of Quality Management System



Product Quality

Quality Management System

Hoperun Software always adheres to strict requirements for product quality. In strict compliance with applicable laws and regulations such as the *Law of the People's Republic of China on Product Quality*, the Company has formulated management documents such as the *Quality Manual* and the *Nonconforming Product Control Procedure*, to continuously strengthen the quality management system. We have established an organizational structure for the quality management system, with the President as the leadership core, and conducted quality management and quality assurance activities, to comprehensively ensure product quality and service levels. The Company has currently passed the ISO 9001 Quality Management System certification, the CMMI 5 certification, the ISO 20000 IT Service Management System certification, the Business Continuity Management System certification, and the Integration of Informatization and Industrialization Management System certification.

Quality Policy



Quality Management System Certificate

CMMI 5 Certificate

IT Service Management System Certificate

Business Continuity Management System Certificate

The Company has established clear product quality management goals and built a sound tracking and measurement mechanism. Relevant departments monitor and evaluate quality objectives in detail according to established cycles and methods, to ensure that each objective is effectively executed and achieved. This effort continuously improves product quality to meet the high standards of the market and customers.

Indicator	Goal	Achievement in the Reporting Period
Customer Satisfaction	Not less than 96%	Achieved
First-Pass Rate of Project Acceptance	Not less than 98%	Achieved
Project On-Time Rate	Not less than 98%	Achieved
NC Handling Efficiency	Not less than 97%	Achieved

Control of Software Quality

Hoperun Software continuously optimizes product quality assurance measures. We have established a full-lifecycle quality management system covering software design, development, testing, acceptance, and subsequent services, and formulated standards for software design and development, to ensure effective control of product quality at each stage. In addition, the Company attaches great importance to the prevention and management of product quality risks, regularly conducts comprehensive risk assessments, and formulates precise risk response strategies based on the assessment results, striving to minimize potential risks. To ensure the effectiveness of quality management, the Company has established a multi-level supervision and review mechanism. Every six months, an internal quality audit is conducted to thoroughly investigate and resolve potential quality issues. Based on the audit results, quality management measures are adjusted and optimized in a timely manner to continuously improve product quality and provide customers with higher quality and more reliable products and services.

Full-Lifecycle Management

Software Design and Development

- The Project Review Expert Group conducts process reviews and decision analysis for the project.
- The Project Manager is responsible for coordinating the internal personnel (senior management) and users during the project implementation process and assumes ultimate responsibility for product quality.
- The Deliverables Management Group reviews the deliverables at each stage.

Software Testing and Acceptance

- Functional units of each module are subject to statement coverage, branch coverage, or other levels of tracking execution, to verify the correctness of the program implementation.
- Test cases are designed, and test data is prepared to verify the functionality of each functional unit with black-box (or white-box in some cases) techniques, and ensure the consistency and correctness of the detailed design.
- Efforts are made to verify and ensure that the work correctly complies with and meets the functional and other requirements defined in the system requirements specification.

Software Acceptance and Subsequent Services

- The Implementation and Maintenance Group is responsible for project acceptance or system changes and functional improvements after implementation.
- The group is responsible for system installation, commissioning, and trial operation.
- Trainings are offered for customers.



Risk Management Process

Risk Identification

- Enable the Project Manager and managers at all levels to regularly organize key group members to identify project risks.
- Identify the main project risks based on the project characteristics and implementation status, and the Company's historical project risk management experience.
- Formulate the *Project Risk Management Form* to manage the identified risks, and include such risks in the configuration repository.

Risk Assessment

- Define the stages at which risks occur.
- Distinguish the sources of risks.
- Continuously analyze risks, and update risk parameters and statuses to maintain effective monitoring of risks.
- Assess the impact of risk occurrence on the project schedule, and calculate the additional man-hours required to quantify the risk impact.

Risk Response

- Authorize the Project Manager to organize stakeholders to discuss risk prevention, remediation, and other countermeasures, and record the countermeasure plans and activation conditions in the management form.
- Define preventive and emergency measures in advance for potential major risks, and develop remedial measures for risks that occurred.
- Record and manage the Project Risk Management Form.

Risk Tracking

- Determine the frequency and method of risk tracking.
- Differentiate and prioritize the levels of risks.
- Record the implemented countermeasures and verify the effectiveness of the measures taken.
- Keep tracking the resolution of issues.

During the Reporting Period

Key Performance

2 Annual Quality Internal Audits | **98** % Project Delivery Satisfaction Rate

Enhancement of Quality Awareness

To foster a quality culture, the Company enhances employees' quality awareness and skills through various training programs. For new employees, the Company organizes systematic training to help them establish the correct quality philosophy. For key quality management challenges, the Company regularly holds specialized quality training sessions and invites industry experts for in-depth explanations. The Company also launches an online cloud classroom where employees can log in at any time to learn the latest quality management knowledge and skills.

In addition, the Company advocates a quality management philosophy that involves all employees, encourages everyone to actively identify quality hazards and propose improvement suggestions in their daily work, and actively participates in quality management.



Training Notification



Training Courses



Offline Training

During the Reporting Period

Key Performance

The Company offered **6** quality training sessions, with a total duration of **9** hours and **3,476** participants.

Valuing Customers' Rights and Interests, Controlling Supply Chain Management

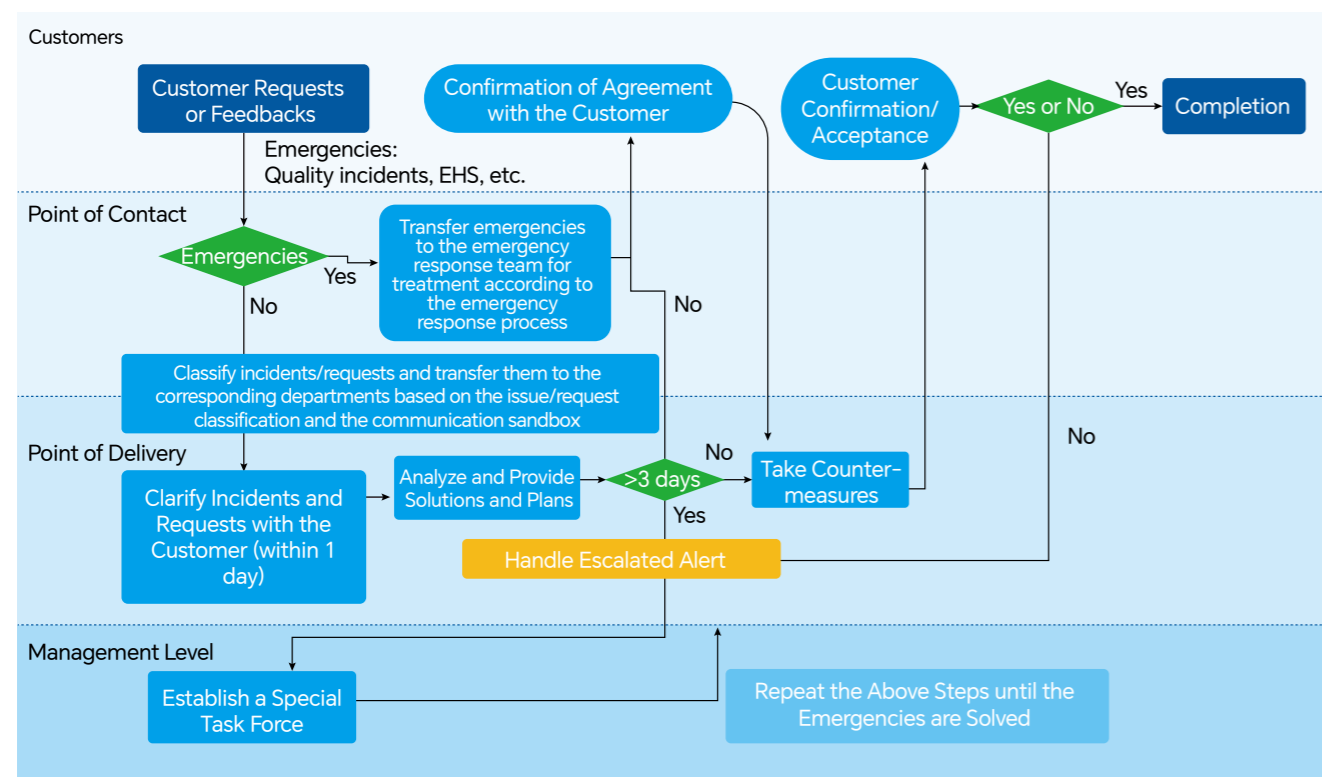
Protection of Customers' Rights and Interests



Customer Service Management

Hoperun Software adheres to customer-centric development, and provides professional and efficient products and services to meet the needs of customers. The Company has developed the *Regulations on Customer Service Management* and the *Voice of the Customer (VOC) and Quality Issue Response System*, and established a tiered communication response mechanism, standardized response procedures, and a VOC closed-loop management system.

Response and Decision Process for Customer Complaints



During the Reporting Period

Key Performance



The Company offered **7** special training sessions on the response to customer complaints, with **24,332** participants and a total duration of **11** hours.

The Company attaches great importance to customer feedback and strives to gain customer satisfaction. To this end, the Company encourages employees to actively communicate with customers, and makes full use of demand service, design liaison, delivery and acceptance, customer training and on-site service scenarios to proactively collect customers' latest requirements on product performance and quality, as well as their opinions and suggestions on services. Through these channels, the Company is able to keep abreast of the latest trends in market dynamics and customer needs, and quickly relay relevant information to business units to promote the continuous improvement of products and services. During the Reporting Period, the Company did not receive any formal customer complaints.

During the Reporting Period, the Company conducted a satisfaction survey on key customers who collectively contribute over 80% of total revenue. The survey covered multiple key dimensions, such as "product, personnel and management", to deeply collect customer needs and feedback. Through systematic analysis of the information collected, the relevant departments of the Company, in the principle of "customer focus", quickly conducted self-inspection and corrective actions, and precisely identified and improved workflows that did not meet customer satisfaction management requirements. The Business Procurement Department is responsible for tracking and supervising the implementation of improvement measures, to ensure that each improvement initiative is effectively implemented and genuinely enhances customer satisfaction.

During the Reporting Period

Key Performance



A satisfaction survey on major customers is conducted, with **23** valid questionnaires returned and an overall customer satisfaction rate of **97%**.

Responsible Marketing

Hoperun Software adheres to integrity and compliance in its operations, and firmly avoids false statements and excessive marketing promotion. In strict compliance with the *Advertising Law of the People's Republic of China* and other laws and regulations, the Company has developed a series of management systems such as the *Guidelines for Brand Promotion Management of Hoperun Software*, to strengthen the standardized management of marketing content, channels and processes at the institutional level. The Company stipulates that advertisements and promotional materials shall not contain any false, exaggerated, or misleading content, and that all relevant information in the marketing process shall be truthfully disclosed, without any concealment or distortion of facts. This avoids misleading customers and ensures that all marketing activities are authentic, accurate, legal, and compliant.



On this basis, the Company actively offers training sessions on responsible marketing. These systematic training courses help employees further establish awareness of responsible marketing, enhance their understanding of compliant promotion, and integrate the philosophy of responsible marketing into daily work. During the Reporting Period, no marketing violations occurred in the Company.

During the Reporting Period

Key Performance



The Company offered **19** training sessions on responsible marketing, with **1,292** participants and a total duration of **42** hours.

Supply Chain Management

Supply Chain Management System

Hoperun Software places a high emphasis on supply chain management, continuously advancing sustainable procurement strategies. Through close communication and collaboration with suppliers and other partners, the Company builds a solid network of partners. The Company has established management systems such as the *Rules of Supplier Management* and the *Rules of Procurement Management* to standardize the full process of supplier entry, evaluation, supervision, assessment, and exit. These systems follow the principles of “reasonable planning, high transparency, efficient sharing, and high traceability”, actively creating a sustainable supply chain.

Key Performance

During the Reporting Period

The Company rejected **8** potential suppliers due to non-compliance.

The Company has developed and implemented documents such as the *Supply Chain Risk Management and Response System* and the *Supplier Safety System* to ensure the stable and secure operation of the supply chain. These efforts promote the identification, assessment, and response to supply chain risks, and reduce potential risks that could adversely affect company operations. During the Reporting Period, the Company did not fail to make payments for goods from small and medium-sized enterprises.

Full-lifecycle Management of Suppliers

Supplier Entry and Review >>

The Company conducts due diligence on suppliers, collecting information on their business operations, credit status, supply capacity, and other materials. Relevant departments conduct certification and evaluation. Suppliers that pass the evaluation are added to the list of qualified suppliers.

Supplier Evaluation and Grading >>

The Company regularly conducts supplier evaluation and assessment based on indicators such as overall exit rate, response rate, product quality, and delivery timeliness. Based on evaluation results, the Company ranks and grades suppliers, taking into account factors such as cooperation scale, qualification, and credit standing. In addition, the Company evaluates any misconduct by suppliers in the Company's operations and has set up a supervision email. Any department or individual can report violations or irregularities of any supplier in procurement activities.

Supplier Exit >>

For suppliers that do not meet relevant standards, a rectification period will be given and the rectification will be tracked. Any supplier will be disqualified if failing to rectify by the deadline, or removed from the list of qualified suppliers and held liable for breach of contract if conducting any serious misconduct. Such suppliers will not be accepted for certification applications for two years.

Sustainable Supply Chains

Hoperun Software attaches great importance to the performance of cooperative suppliers in environmental protection, integrity, and social responsibility. The Company has developed a Supplier Code of Conduct to promote suppliers to fully implement social responsibility. Through strategies such as localized procurement, responsible procurement, green and environment-friendly procurement, and integrity-based procurement, the Company deeply optimizes supply chain management and promotes the sustainable development of the supply chain.

Localized Procurement

The Company actively implements a localized procurement strategy, and prioritizes local suppliers to promote local employment and development. This strategy can also effectively reduce logistics costs, decrease carbon emissions, and contribute to environmental protection.

Key Performance

As of the end of the Reporting Period

The Company had a total of **160** suppliers, with **35.6%** of procurement expenditure paid to suppliers in the local region⁶

Responsible Procurement

Hoperun Software places a high priority on the sustainable development and ESG governance of suppliers and has formulated the *Code of Conduct for Supplier ESG Management*. During the supplier introduction process, the Company prioritizes cooperation with suppliers who focus on environmental protection and have a sound management system. To further strengthen suppliers' ESG awareness, the Company is gradually requiring suppliers to sign a Commitment to ESG, which expressively clarifies their obligation to follow relevant codes. Any supplier that is found to violate the commitment will be held liable for breach of contract.

Partners of the Company Shall

- Complying with laws and regulations
- Prohibit bribery and corruption
- Respect the basic human rights of employees
- Protect the ecological environment
- Safeguard the health and safety of employees

Key Performance

As of the end of the Reporting Period

- 63** Suppliers have been certified under the Quality Management System
- 42** Suppliers certified under the Environmental Management System
- 42** Suppliers certified under the Occupational Health and Safety Management System

Green Procurement

The Company practices green procurement, and prioritizes the purchase of products that are environmentally-certified, energy-efficient, low-polluting, and recyclable, such as LED lighting fixtures with energy-saving and long-lifespan features, and solar-powered streetlights that use clean energy. This effort reduces environmental pollution and unnecessary resource consumption from the source. In addition, the Company adheres to a responsible attitude in raw material procurement, and conducts in-depth assessments of the sustainable development capabilities of raw material suppliers, to ensure that the acquisition of raw materials complies with relevant standards on environmental protection and social responsibility.

Clean Procurement

The Company firmly upholds the integrity of the procurement process, eliminates any form of corruption, and continuously enhances its clean procurement and transparent procurement practices. We also sign honesty and integrity agreements with suppliers to resist commercial bribery and unfair competition, oppose commercial fraud, and build a relationship of honest mutual trust. We also hold suppliers that violate the agreements liable for breach of contract, to ensure supply chain integrity.

⁶Local region refers to the province where the Company operates.

06

Harmonious Governance: Compliance for Steady and Long-term Success

Our Philosophy

Based on standardized and transparent operations, Hoperun Software builds a governance and supervision system with clear responsibilities and rights. The Company establishes a decision-making and balancing mechanism, to maintain an open dialogue with investors through multiple channels. These efforts ensure fair and timely information disclosure, strengthen internal control defenses, enhance integrity education and ethical constraints, integrate compliance awareness into specific actions, and safeguard the steady and long-term development of the Company.

Our Actions

- Corporate Governance Compliance
- Risk Management
- Tax Compliance
- Protection of Shareholders' Rights and Interests
- Anti-Bribery and Anti-Corruption
- Anti-Unfair Competition

Responded SDGs



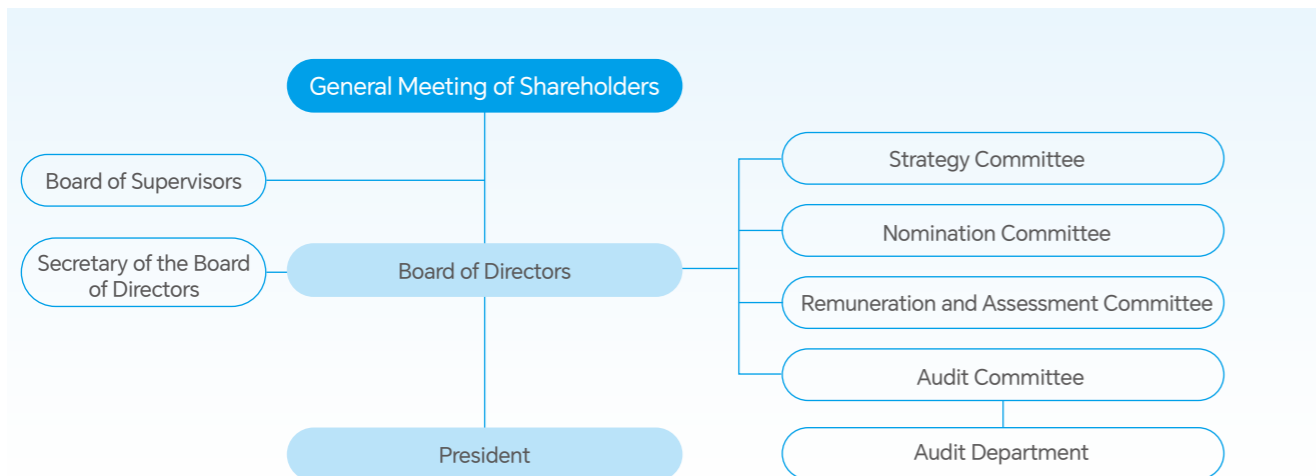
Consolidating Governance Foundation and Enhancing Trust Among Shareholders



Corporate Governance

Governance Framework

In strict compliance with the requirements of applicable laws and regulations such as the *Company Law of the People's Republic of China* (hereinafter referred to as the "Company Law"), the *Securities Law of the People's Republic of China*, the *Governance Code for Listed Companies*, and the *Rules Governing the Listing of Shares on the GEM of Shenzhen Stock Exchange*, Hoperun Software has established a decision-making and management system centered on the General Meeting of Shareholders, the Board of Directors, the Board of Supervisors, and senior management. This system forms a governance structure with clear responsibilities and rights, distinct roles, mutual communication, effective checks and balances, and sound decision-making processes, to ensure the standardization and effectiveness of corporate governance.



General Meeting of Shareholders

The General Meeting of Shareholders is the core mechanism of corporate governance, and also the highest authority body where shareholders exercise their rights and participate in major company decisions. It is a key platform for shareholders to supervise the management and make decisions on significant matters of the Company. In strict compliance with relevant laws and regulations such as the *Company Law*, the *Rules for the General Meeting of Shareholders of Listed Companies*, the *Articles of Association*, and the *Rules of Procedure for General Meetings of Shareholders*, the Company standardizes the convention, proposals, notifications, meetings, and voting procedures of the General Meeting of Shareholders. The General Meeting of Shareholders is held using a combination of on-site and online voting, and provides online voting and other measures to facilitate public shareholders' participation, which makes it easier for shareholders to exercise their voting rights and ensure equal rights for all shareholders, especially minority shareholders.

During the Reporting Period

Key Performance



The Company held **3** General Meetings of Shareholders, at which **19** proposals were reviewed and approved.

Board of Directors

The Company, in accordance with applicable laws and regulations, has established the Board of Directors as the core decision-making body of the Company, and has formulated the *Rules of Procedure for the Board of Directors* to standardize the procedures for board meetings and decision-making. Additionally, the Company has developed specialized management systems such as the Working Rules of the Secretary of the Board of Directors and the System of *Work of Independent Directors*, to regulate the duties of the Board Secretary and independent directors. These rules clarify their qualifications, responsibilities, powers, duty protection, and work standards, covering core aspects such as the nomination process, rights and obligations, and legal responsibilities. By constructing a robust and comprehensive system, the Company effectively ensures the soundness, standardization, and legality of the decisions made by the Board of Directors, to enhance its governance effectiveness.

During the Reporting Period

Key Performance



The Company held **6** meetings of the Board of Directors, at which **41** proposals were reviewed and approved. The attendance rate of board members was **100%**.

Professionalism of Board of Directors

The Board of Directors implements a specialized committee matrix governance system by setting up specialized committees such as the Strategy Committee, the Nomination Committee, the Audit Committee and the Remuneration and Assessment Committee, and developing detailed working rules for each committee. This allows for the management of the list of responsibilities, and standardizes the organizational structure and operational behavior of the Company.

The Company also appoints external independent directors to leverage their legal, financial, or industry expertise, providing independent judgment for the Company's strategic development through special discussions. This forms an "internal professional matrix + external wisdom network" collaborative governance model, ensuring that the decisions of the Board of Directors always maintain industry foresight and risk insight.

During the Reporting Period

Key Performance



The Company held **11** meetings of specialized committees, **3** meetings of the Specialized Committee of Independent Directors, at which **25** proposals were reviewed and approved, including:

2 meetings of the Strategy Committee

1 meeting of the Nomination Committee

4 meetings of the Audit Committee

4 meetings of the Remuneration and Assessment Committee

Board Independence

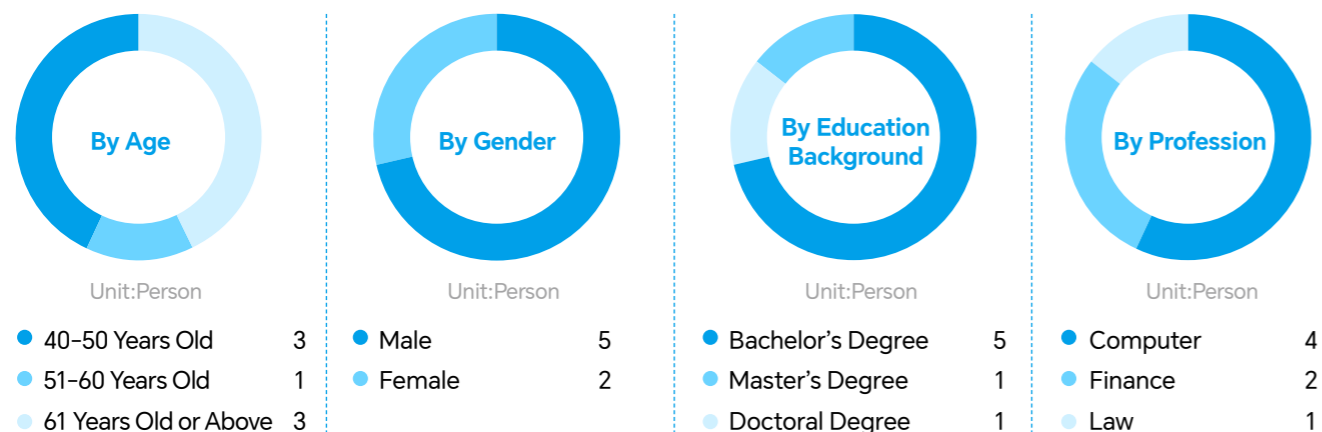
The Company has formulated the System of Work of Independent Directors and the System of Work of Special Meeting of Independent Directors to ensure that independent directors can independently and impartially perform their duties. The system provides strong support for the standardized operation and healthy development of the Company. As the “gatekeeper” of corporate governance, independent directors focus on key areas such as related-party transactions, financial reporting, and executive compensation, and effectively balances the power of major shareholders and management through the collective deliberation mechanism of independent directors, to protect the rights and interests of minority shareholders and enhance both oversight effectiveness and decision-making quality. The Company's Board of Directors consists of 7 members, including 3 independent directors.

Specialized Committees	Independent Director (in Person)	Non-independent Director (in Person)	Whether the Independent Directors Serve as the Chairman
Strategy Committee	1	2	No
Nomination Committee	2	1	Yes
Audit Committee	3	0	Yes
Remuneration and Assessment Committee	2	1	Yes

Board Diversity

The current directors of the Company have rich experience and expertise in fields such as R&D, technology, finance, and law, which help the Board of Directors better respond to the complex market environment and drive the high-quality development of the Company. Among others, the Company has elected an employee director through democratic election at the Employee Congress, to incorporate “employees” as a stakeholder in corporate governance. This helps the Company better listen and respond to employees’ opinions and suggestions, create a balanced structure of cogovernance among the Company, employees and independent professionals, and rationality of the decisions of the Company.

Structure of Board Members



Board of Supervisors

The Company has established the Board of Supervisors as a supervisory body, formulated the *Rules of Procedure for the Board of Supervisors* to standardize the internal structure and meeting procedures of the Board of Supervisors, and clarified the responsibilities and powers of the Board of Supervisors, to ensure the independence of the Board of Supervisors in exercising its duties in accordance with applicable laws and regulations. The Board of Supervisors consists of 3 supervisors, including 1 employee supervisor. Each supervisor diligently performs their duties, effectively safeguarding the interests of the Company and its shareholders.

During the Reporting Period

Key Performance



The Company held **4** meetings of the Board of Supervisors, at which **17** proposals were reviewed and approved.

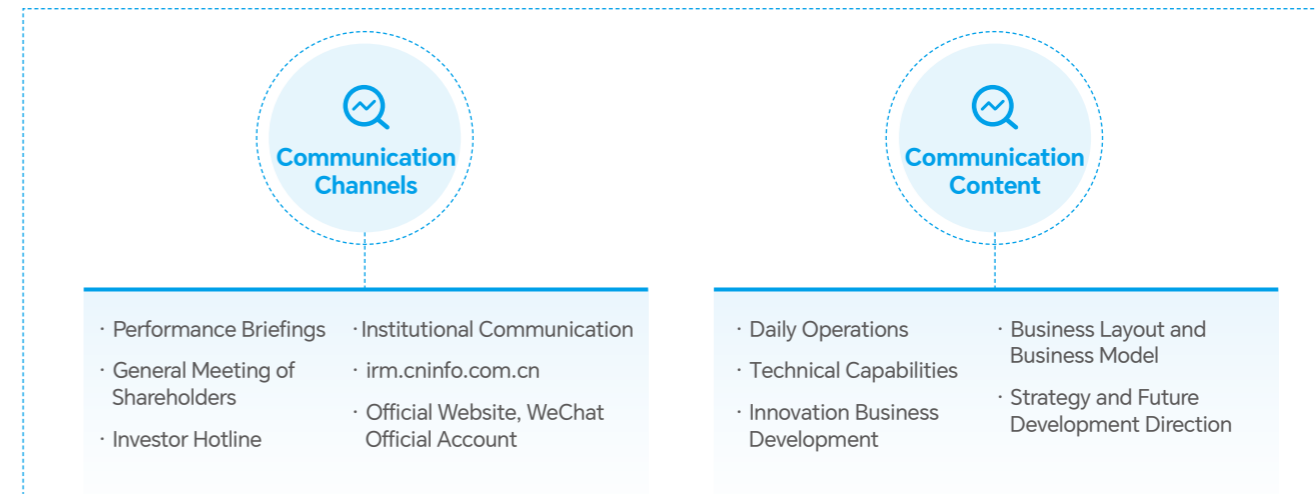
Investor Relations Management



Communication with Investors

Hoperun Software highly values investor relations management, and has formulated the *Investor Relations Management System* and the *Investor Complaint Handling System* to regulate the Company's interaction with investors and respond to their concerns. The Company has established a comprehensive investor relations management system, with the Secretary of the Board of Directors serving as the responsible person for the Company's investor relations affairs. Under the leadership of the Secretary of the Board of Directors, the Securities and Legal Department is responsible for planning, organizing, and coordinating various investor relations activities and daily tasks.

The Company actively builds a multi-level, multi-channel communication mechanism, and strengthens interaction and communication with investors through methods such as investor hotlines, cninfo, on-site surveys, and performance briefings. This helps enhance investors' understanding and recognition of the Company and effectively protects the legitimate rights and interests of investors, especially public shareholders.



During the Reporting Period

Key Performance



The Company hosted **8** on-site institutional field surveys, and received a total of **125** institutional investors;

Held **1** performance briefing;

Responded to **206** questions on irm.cninfo.com.cn; answered **153**

investor phone calls; and communicated via email/social platforms **7** times.

Case Study | Online Performance Briefing

On April 29, 2024, the Company held its 2023 Online Performance Briefing. Mr. Zhou Hongwei (Chairman and CEO), Mr. Sang Chuangang (Senior Vice President and Board Secretary), Mr. Pei Xiaobing (CFO), and Mr. Li Wanfu (Independent Director) attended the annual performance briefing, made online communication with investors, and widely listened to investors' opinions and suggestions.



Online Performance Briefing



Information Disclosure

Hoperun Software firmly believes that information disclosure is the cornerstone of well-functioning capital markets. Through open, transparent, and timely information sharing, we build trust with all market players. The Company has formulated documents such as the *Major Decision Management System*, the *Information Disclosure Management System*, the *Internal Reporting System for Material Information*, and the *Annual Report Major Error Responsibility Investigation System* to clarify the basic principles, content, standards, and review procedures of information disclosure, thereby effectively improving the quality of information disclosure and safeguarding investors' legitimate rights and interests. The Company designates Securities Daily, Securities Times, Shanghai Securities News, and Cninfo as information disclosure media, and transmits information through channels such as the Company's WeChat Official Account and official website to ensure all investors can receive the information of the Company fairly and promptly.

During the Reporting Period

Key Performance



The Company disclosed **4** regular reports and **98** interim reports.

Returns to Shareholders

Hoperun Software values shareholder returns and has established a scientific and long-term profit distribution mechanism and supervision system. Through a fully transparent and public distribution process, the Company effectively guarantees shareholders' rights to know and participate, and continuously strengthens the protection of investors' legal rights and interests.

During the Reporting Period, the Company incorporated shareholder returns into its core strategic development system and developed the *Shareholder Return Plan for the Next Three Years (2024-2026)*. The principle of prioritizing cash dividends was established to fully incorporate the opinions of minority shareholders and independent directors, and ensure the continuity and stability of profit distribution decisions.

In addition, the company actively responds to the initiative of the "Dual Enhancement of Quality and Returns" special action, comprehensively demonstrating its ability to create value and governance transparency. It proactively discloses the "Dual Enhancement of Quality and Returns" action plan, implements a share repurchase plan to strengthen market expectations, improves the decision-making collaboration mechanism of the "Three Meetings and One Layer" to deepen governance capabilities, and continuously enhances shareholder value. This drives the realization of the strategic goal of enhancing both quality and efficiency.

Inspired Evolution: Leading the Industry with Digital Intelligence Innovation

Harmonious Cohesion: Talent Development and Growth

Symbiotic Growth: Green and Low-Carbon Practices

Harmonious Co-construction: Efforts to Create a Better Future

Shared Trust: Quality and Safety for Win-win Benefits

Harmonious Governance: Compliance for Steady and Long-term Success

Rooting in Compliant Operations and Forging a Culture of Integrity



Risk Control and Compliance

Internal Control and Compliance

The Company has established an internal control system centered around the Audit Committee and developed the Internal Audit System. The Audit Committee sets up the Audit Department, which serves as the internal auditing body of the Company. Under the guidance of the Audit Committee, the Audit Department independently carries out the audit work, and inspects and supervises the authenticity and completeness of the Company's financial information, the establishment and implementation of internal control systems, and other matters in accordance with national laws, regulations, policies, and the Company's rules and bylaws. The Audit Department reports to the Audit Committee on a quarterly basis, and the Audit Committee reports to the Board of Directors each quarter based on the work plans and reports submitted by the Audit Department. The Company conducts an annual evaluation of the effectiveness of internal controls and the compliance of financial information disclosure, and combines internal and special audits to form audit opinions and improvement recommendations.

In 2024, the Company conducted a self-assessment of the effectiveness of internal controls for both the headquarters and subsidiaries, and an internal control audit report was issued by ShineWing Certified Public Accountants (Special General Partnership). The report covered all entities within the scope of consolidation, including their total assets and total operating revenue. The audit results showed that no significant deficiencies were found in the design and execution of the Company's internal controls throughout the year.

Key Performance

During the Reporting Period



The Company offered **6** compliance training sessions, with a total of over **420** person-times of participants.



Training on Internal Control and Compliance for All Employees



Training and Oath Ceremony

Compliance Management

To strengthen and regulate compliance management, the Company has developed the Compliance Management System, which clarifies the responsibilities of relevant departments and personnel. Through compliance management, the Company aims to enhance internal controls, prevent and control corruption risks, improve business management, increase economic efficiency, and protect the legitimate rights and interests of investors, thus ensuring the Company's compliant operations and stable development.

Compliance System Construction	<ol style="list-style-type: none"> Develop and improve the Company's compliance management system and framework. Strengthen Institutional consciousness, uphold institutional authority, and strictly implement compliance policies.
Risk Identification and Assessment	<ol style="list-style-type: none"> Regularly organize the identification and assessment of compliance risks. Formulate corresponding risk response measures.
Monitoring and Auditing	<ol style="list-style-type: none"> Conduct regular or irregular audits and reviews of the Company's compliance management.
Issue Rectification and Continuous Improvement	<ol style="list-style-type: none"> Develop specific rectification measures for identified issues and continuously follow up on their implementation. Continuously improve and enhance inspection methods for risk scenarios.
Compliance Training	<ol style="list-style-type: none"> Establish a regular compliance training mechanism, create an annual training plan, and carry out diversified compliance awareness and education activities.

Risk Control

The Company deeply analyzed the weak links in business control, fully identified the risks faced in 2024, and developed the Risk List of 2024. Based on this, the Company analyzed the causes of risks, set risk management goals, clarified key risk indicators, and generated a risk management matrix based on the probability of risk occurrence and its impact on customers. According to the different characteristics of risks, targeted regulatory measures were implemented to form a closed-loop risk management process, conducting systematic risk management to ensure the sound operation of the Company.

Risk Management Goals in 2024

Risk Management Goals	Achievement
Goal 1: Continuously optimize the integration of security and compliance control elements into business processes and technical platforms. Break all strategy requirements down into smaller tasks, with responsibility assigned to individuals, guidelines detailed into steps, and measurements linked to indicators.	Achieved
Goal 2: Continuously develop security and compliance management solutions. Standardize and streamline management actions, implement digital management, and enhance efficiency and effectiveness, and form a comprehensive security and compliance management framework.	Achieved
Goal 3: Root in the security and compliance risk management model, deeply promote risk management methods in business scenarios, and guide and jointly identify risk scenarios for risk analysis to dress issues before they escalate.	Achieved

Tax Management

Hoperun Software adheres to lawful and honest tax payment practices, and makes timely and full payment of taxes. The Company has developed systems such as the Financial Management System to ensure that financial and tax operations are standardized and orderly. In active response to national tax policies, we take the initiative to fulfill our tax obligations, and contribute to national and local finances.

During the Reporting Period **Key Performance**

The total tax paid by the Company was RMB **191.644** million.

Business Ethics

Hoperun Software upholds the principle of "integrity conduct, compliant operation" and resolutely eliminates any actions that may harm the Company's integrity and reputation. The Company has formulated management documents such as the *Code of Business Conduct*, the *Internal Control, Compliance, and Safety Accountability System*, the *Management Measures for Employee Improper Profit Risk*, and the *Integrity Management System*, to establish a rigorous business ethics management system.



Anti-bribery and Anti-corruption


The Company, in the guiding principles of "upholding integrity through the discipline and supervisory commission, fostering talent through the Party School, and securing power through institutional controls", has established a collaborative supervision mechanism between the Discipline Inspection and Supervision Commission and the Compliance Department. By combining rigid institutional constraints with flexible cultural guidance, the Company strengthens the defense line for compliant operations. The governance system implements four-dimensional control measures: first, focus on the "critical minority" to implement an integrity commitment system for management, and use ceremonial methods (such as signing military orders and taking an oath of office) to solidify the main responsibility and establish a dynamic monitoring mechanism for corruption risks; second, build a "universal defense line" by implementing the six key elements of internal control and security around job responsibilities, and strengthen the professional ethics of grassroots employees; third, control "sensitive areas" by implementing mandatory job rotation for high-risk positions such as procurement and finance, and sever the chain of interest transfer; and fourth, prevent at "critical moments" by establishing a clean reminder and early warning system during festivals, and achieving regular deterrence through case studies and disciplinary re-emphasis. Through a layered and categorized defense network, the Company achieves full-cycle management of integrity risks, and injects "integrity power" into high-quality development.


The Company has established an Internal Control, Compliance, and Integrity Management Team, with the Senior Vice President serving as the general responsible person for business compliance and integrity construction, which effectively ensures the development of integrity and business compliance. During the Reporting Period, the business ethics management system of the Company operated effectively, and no lawsuits related to bribery, extortion, fraud, or other violations were filed against the Company or its employees.

Key Measures for Anti-bribery and Anti-corruption in 2024

Signing of Agreement on Integrity and Self-discipline <p>In the course of business dealings with clients, Hoperun Software requires relevant employees to sign the <i>Agreement on Integrity and Self-discipline</i>. Personnel who violate the agreement will be subject to penalties.</p>	Development of Whistleblowing Channels <p>The Company has set up an anti-bribery and anti-corruption reporting email and phone line to report, disclose, or expose any violations of professional ethics by the Company or its employees. We commit to strictly keeping the whistleblower's information confidential and encourage self-reporting. Self-reporting individuals will be treated more leniently.</p> <p>Whistleblowing email: bcginquiries@hoperun.com Whistleblowing Hotline: 025-52668685</p>	Construction of Compliance Culture <p>The Compliance Department offers routine training on integrity and compliance every year for all employees, key positions, and middle to senior management, to reinforce compliant operations and strengthen the line of defense for compliance.</p>
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During the Reporting Period **Key Performance**

 The signing rate of the Agreement on Integrity and Self-discipline was **100%**.

 The integrity training covered **100%** of both the Board of Directors and senior management, as well as **29.9%** of employees, with **3,577** participants and a total duration of **1,788.5** hours.

Case Study | Integrity Education Activity Themed "Integrity Promotes Justice and Helps Keep the Original Aspiration"

In April 2024, the Company held an integrity education activity themed "Integrity Promotes Justice and Keeps the Original Aspiration" at the Enterprise Compliance Education Base in Yuhua District. More than 30 leaders and employee representatives participated in the learning. Through studying typical cases, integrity-themed riddles and Q&A, signing the Integrity Initiative, and taking an integrity oath, employees improved their awareness of integrity and self-discipline and further strengthened their commitment to integrity.



Integrity Oath



Signing of the Integrity Initiative

Anti-Monopoly and Anti-Unfair Competition

Hoperun Software attaches great importance to maintaining a fair competitive market environment. In strict compliance with the *Anti-Monopoly Law of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, and other applicable laws and regulations, the Company has formulated the Unfair Competition Prevention and Anti-Monopoly Management System, and established corresponding review and supervision mechanisms. The Company's business compliance department is responsible for managing anti-monopoly and anti-unfair competition efforts, focusing on key elements such as commercial bribery, malicious competition, false advertising, and illegal bidding. The department guides and supervises the Company's anti-monopoly work. During the Reporting Period, the Company did not engage in any monopolistic or unfair competition behaviors.

Unfair Competition Prevention and Anti-Monopoly Management System

Category	Regulation Content
Prohibition of Commercial Bribery	All employees of the Company are strictly prohibited from engaging in any form of commercial bribery, including but not limited to direct bribery, indirect bribery, and the transfer of benefits. Employees must comply with anti-commercial bribery laws and regulations, strictly implement the Company's internal anti-bribery system, and must not use bribery to seek job promotions, sales contracts, procurement orders, or other commercial benefits.
Prohibition of Malicious Competition	Employees are prohibited from engaging in any malicious competitive practices, including but not limited to maliciously tarnishing others' reputations, maliciously discrediting competitors' products, and maliciously interfering with competitors' business activities. The Company requires employees to engage in business competition with honesty, fairness, and justice, comply with market standards, and never violate applicable laws and regulations.
Prohibition of Illegal Bidding	The Company follows the principles of openness, fairness, honesty, and scientific selection, prohibiting the manipulation of bidding activities through improper means. When participating in bidding, the Company prohibits employees from obtaining bidding advantages with illegal methods, to ensure that bidding activities comply with legal requirements.

The Company provides special training on anti-monopoly and anti-unfair competition for employees. The training covers aspects such as fair competition, commercial bribery, embezzlement, and trade secrets. It promotes applicable laws and regulations and shares practical case studies to effectively enhance employees' knowledge and awareness.



Oath Ceremony




Training Session



Learning in Compliance Education Base

During the Reporting Period **Key Performance**

 The Company offered **4** training sessions on anti-monopoly and fair competition, with **3,577** participants and a total duration of **106** hours.

Annex

Future Outlook

Looking back, we forge forward through difficulties and challenges; and looking ahead, we firmly believe that success will surely come.

In 2025, we will continue to integrate “new momentum”, and create “new driving forces” for production. In alignment with national policies and with a focus on key sectors, we will leverage our professional knowledge, information technology, and intelligent products to create new values for customers in the industrial chains of key sectors and open new spaces for upward development.

Key Performance

Economic Performance

Indicator		Unit	2022	2023	2024
Financial Positions	Total Assets	RMB 10,000	480,507.33	505,928.76	537,234.36
	Operating Income	RMB 10,000	297,471.44	310,622.47	339,923.23
	Total Taxes	RMB 10,000	18,829.38	21,000.38	19,164.40
	Total Profit	RMB 10,000	10,853.06	16,444.93	16,967.54

Governance Performance

Indicator		Unit	2022	2023	2024
General Meeting of Shareholders	Number of General Meetings of Shareholders Held	Times	5	3	3
	Proposals Approved	Item	21	15	19
Board of Directors	Number of Members in Board of Directors	Person	7	7	7
	Meetings of the Board of Directors Convened	Times	11	8	6
	Proposals Approved	Item	45	34	41

Indicator		Unit	2022	2023	2024
Board of Supervisors	Number of Meetings of Board of Supervisors	Times	7	7	4
	Proposals Approved	Item	21	17	17
Compliance	Number of Training Sessions on Internal Control and Compliance	Times	1	1	6
	Total Hours of Training on Internal Control and Compliance	Hour	1	1	6
	Total Participants in Training on Internal Control and Compliance	Person-times	70	75	420
Anti-monopoly and Fair Competition	Number of Training on Anti-Monopoly and Fair Competition	Times	3	4	4
	Number of Participants in Training on Anti-Monopoly and Fair Competition	Person	2,846	2,205	3,577
	Total Training Hours of Training on Anti-Monopoly and Fair Competition	Hour	99	101	106
Training on Anti-commercial Bribery and Anti-Corruption for Directors, Management, and Employees	Number of Directors Participating in the Training on Anti-commercial Bribery and Anti-Corruption	Person	7	7	7
	Percentage of Directors Participating in Training on Anti-commercial Bribery and Anti-Corruption	%	100	100	100
	Total Duration of Training on Anti-commercial Bribery and Anti-Corruption for Directors	Hour	4	4	6
	Average Duration of Training on Anti-commercial Bribery and Anti-Corruption for Directors	Hours/Person	2	2	2
	Number of the Management Participating in Training on Anti-commercial Bribery and Anti-Corruption	Person	41	53	59
	Percentage of the Management Participating in Training on Anti-commercial Bribery and Anti-Corruption	%	100	100	100
	Total Duration of Training on Anti-commercial Bribery and Anti-Corruption for the Management	Hour	4	4	4
	Average Duration of Training on Anti-commercial Bribery and Anti-Corruption for Management	Hours/Person	2	2	2
	Number of Employees Participating in Training on Anti-commercial Bribery and Anti-Corruption	Person	2,846	2,205	3,577
	Percentage of Employees Participating in Training on Anti-commercial Bribery and Anti-Corruption	%	23	18.5	29.9
Signing of Agreement on Business Ethics and Complaints	Total Duration of Training on Anti-commercial Bribery and Anti-Corruption for Employees	Hour	1,423	1,102.5	1,788.5
	Average Duration of Employee Training on Anti-Commercial Bribery and Anti-Corruption	Hours/Person	0.5	0.5	0.5
	Signing Rate of Integrity and Other Related Business Ethics Agreements	%	100	100	100

Indicator		Unit	2022	2023	2024
Risk Management	Number of Internal Risk Training Sessions	Times	180	182	187
	Total Number of Participants in Training on Internal Risk Control	Times	3,660	2,384	5,446
	Total Hours of Training on Internal Risk Control	Hour	99	101	106
Investor Relations Management	Number of On-Site Investor Research Visits Received	Times	2	13	8
	Number of On-Site Investor Surveys Received	Person-times	128	222	125
	Number of Interactions with Investors at sns.sseinfo.com/irm.cninfo.com.cn	Times	451	335	206
	Number of Investor Calls Answered	Times	217	167	153
	Number of Communications via Email/Social Media Platforms	Times	26	39	7
	Number of Periodic Reports Disclosed Externally	Copy	4	4	4
	Number of Interim Reports Disclosed Externally	Copy	136	98	98

Environmental Performance⁷

Indicator		Unit	2022	2023	2024
Greenhouse Gas Emission Management	Total Emission of Greenhouse Gases	tCO ₂ e	2,025.89	1,174.71	1,471.31
	Greenhouse Gas Emission Intensity (Self-Use Area in the Park)	tCO ₂ e/m ²	0.1001	0.0847	0.0794
Energy Utilization	Purchased Electricity	kWh	3,775,416.66	2,189,173.63	2,741,910.21
	Total Comprehensive Energy Consumption	tce	464	269.05	336.89
	Energy Consumption Intensity (Self-Use Area in the Park)	tce/m ²	0.0229	0.0194	0.0182
Water Resource Utilization	Water Consumption	Ton	19,327.24	13,821.59	13,137.71
	Water Resource Consumption Intensity (Self-Use Area in the Park)	ton/m ²	0.9546	0.9968	0.7089

⁷ The statistics scope of data on environmental performance covers the parent company of Hoperun Software.

Social Performance

Indicator		Unit	2022	2023	2024
Labor Relations Management	Total Number of Employees	Person	12,370	11,938	14,016
	Number of Employees with Disabilities	Person	65	65	75
	Minority Employees	Person	397	427	548
	Percentage of Contract Workers	%	100	100	100
	Social Insurance Coverage Rate	%	100	100	100
	Proportion of Female Managers	%	41.2	41.4	43.4
	Number of Employees on Maternity Leave	Person	126	103	107
	Return Rate from Maternity Leave	%	100	100	100
	Return Rate of Employees on Parental Leave	%	100	100	100
	Per capita Paid Annual Vacation Days	Days	4.74	5.18	4.98
	Proportion of Employees Regularly Assessed for Performance and Career Development	%	100	100	100
	Number of Projects Approved by the Employee Congress	Item	5	4	1
	Number of Projects Approved by the Trade Union	Item	1	2	3
	Proportion of Trade Union Members to In-Service Employees	%	63	72	85
	Voluntary Turnover Rate of Employees	%	19.8	17.5	14.1
	Development and Training	Investment in Employee Training	RMB 10,000	66.57	27.15
Number of Training Sessions		Session	264	586	934
Total Number of Persons Trained		Person	9,809	11,347	13,626
Total Number of Persons Trained		Person-times	14,171	22,643	32,760
Employee Training Coverage		%	79.3	95.05	97.23
Training Participation Rate (by Job Level)					
	Senior Management	%	28.6	97.67	95.8

	Indicator	Unit	2022	2023	2024	
Development and Training	Middle Management	%	21.6	89.14	69.19	
	Individual Contributors	%	80.8	95	97.59	
	Total Training Hours	Hour	152,474	156,266	70,892.3	
	Average Training Hours per Employee per Year	Hours/Person	12.3	13.09	5.05	
	Average training duration (by job level)					
	Senior Management	Hours/Person	4.2	3.86	10.57	
	Middle Management	Hours/Person	6.5	3.7	17.6	
	Individual Contributors	Hours/Person	12.5	13.3	4.81	
	Occupational Health and Safety	Hidden Danger Identification and Rectification Rate	%	100	100	100
		Safety Education and Training Sessions	Sessions	2	2	2
Number of Participants in Safety Education and Training		Person-times	30	30	30	
Total Hours of Safety Education and Training		Hour	2	2	2	
Coverage Rate of Safety Education and Training		%	100	100	100	
Coverage Rate of Training on Safety Risk Protection		%	5	5	5	
Coverage Rate of Social Insurance and House Fund		%	100	100	100	
Contribution to Society	Total Public Welfare Input	RMB 10,000	275	231	553	
	Number of Volunteers	Person-times	650	380	260	
	Number of Volunteer Activities	Times	60	46	31	
	Rural Revitalization	Total Hours of Volunteer Service	Hour	210	138	124
		Support for Village Revitalization Projects	Item	2	2	2
		Number of Persons Assisted	10,000 Persons	0.32	0.35	0.35

	Indicator	Unit	2022	2023	2024
Innovation-Driven Development	Investment in R&D	RMB 10,000	39,761.20	37,034.74	35,762.82
	Percentage of R&D Investment in Operating Income	%	13.37	11.92	10.52
	Total R&D Team Members	Person	1,548	1,431	1,372
	By Education Background				
	Bachelor's Degree	Person	1,469	1,344	1,290
	Master's Degree	Person	78	82	78
	Doctoral Degree	Person	1	5	4
	By Gender				
	Male	Person	1,115	977	958
	Female	Person	433	454	414
	By Age				
	Under 30 (Exclusive) Years Old	Person	714	650	485
	30 (Inclusive) to 40 (Exclusive) Years Old	Person	795	746	811
	40 (Inclusive) to 50 (Exclusive) Years Old	Person	39	35	72
	Total Number of Authorized Patents	Item	21	29	53
	Patents by Type				
	Cumulative Number of Authorized Invention Patents	Item	11	14	24
	Cumulative Number of Authorized Utility Model Patents	Item	2	2	2
	Cumulative Number of Authorized Design Patents	Item	8	13	27
	Other Intellectual Property				
	Cumulative Number of Software Copyrights	Item	500	589	674
	Total Number of Trademarks	Item	144	179	210
	Specialized and Sophisticated Enterprise that Produces Novel and Unique Products	Units	1	2	2
National High-Tech Enterprise	Units	6	7	7	
Postdoctoral Workstation	Units	1	1	1	

	Indicator	Unit	2022	2023	2024
Safety and Quality of Products and Services	Number of Risk Assessments	Times	4	4	4
	Project Delivery Satisfaction Rate	%	98	97	98
	Times of Annual Quality Internal Audits	Times	2	2	2
	Number of Participants in Quality Training	Person-times	1,668	1,462	3,476
	Total Hours of Quality Training	Hour	9	9	9
	Number of Quality Training Sessions	Times	6	6	6
Protection of Customers' Rights and Interests	Number of Customers Participating in the Survey	Person	32	30	30
	Proportion of Customers Participating in the Survey	%	10	10	10
	Number of Valid Customer Satisfaction Questionnaires Distributed	Copy	30	25	23
	Customer Satisfaction/Total Satisfaction Score	%	90	96	97
	Number of Participants in Training on Responsible Marketing	Person-times	720	1,120	1,292
	Total Hours of Training on Responsible Marketing	Hour	28	37	42
	Total Sessions of Training on Responsible Marketing	Times	12	16	19
Supplier Management	Number of Suppliers	Units	187	236	160
	Number of Suppliers Certified under Quality Management Systems	Units	116	85	63
	Number of Suppliers Certified under Environmental Management Systems	Units	39	48	42
	Number of Suppliers Certified Under Occupational Health and Safety Management Systems	Units	46	48	42
	Number of Prospective Suppliers Rejected due to Non-Compliance	Units	4	10	8
	Percentage of Suppliers that Have Signed the Integrity Agreement	%	100	100	100
	Proportion of Spending on Purchasing from Local Suppliers	%	34.8	39.4	35.6

	Indicator	Unit	2022	2023	2024
Data Security	Number of Relevant Training Sessions Conducted	Times	110	138	119
	Number of Participants in Practice and Training	Person	1,615	1,137	2,885

Indexes

Topic Index of Shenzhen Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 17 - Sustainability Report (for Trial Implementation)

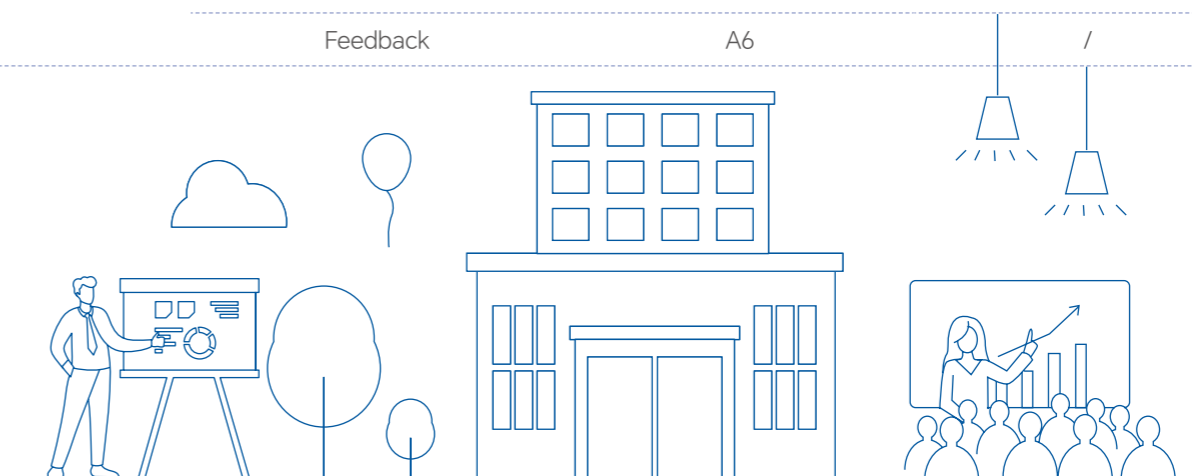
Dimension	Topic	Corresponding Article	Corresponding Article
Environment	Environment	Articles 21 to 28	Leading with Green Strategy and Advancing the "Carbon Peaking and Carbon Neutrality" Goal
	Pollutant Emissions	Article 30	Practicing Green Operations and Leading Bright Future
	Waste Disposal	Article 31	
	Ecosystem and Biodiversity Protection	Article 32	
	Environmental Compliance Management	Article 33	
	Energy Utilization	Article 35	
	Water Resource Utilization	Article 36	
Society	Circular Economy	Article 37	Promoting Rural Revitalization and Deepening International Exchanges
	Rural Revitalization	Article 39	
	Social Contribution	Article 40	Deepening Industry-Education Integration and Fulfilling Social Responsibility
	Innovation-Driven Development	Article 42	Building an Innovative Ecosystem, Leading in Development Momentum
Ethics of Science and Technology	Article 43		

Dimension	Topic	Corresponding Article	Corresponding Article
Society	Supply Chain Security	Article 45	Valuing Customers' Rights and Interests, Controlling Supply Chain Management
	Equal Treatment of Small and Medium-Sized Enterprises	Article 46	
	Safety and quality of products and services	Article 47	Improving Quality and Efficiency to Strengthen Foundation, Safeguarding Security to Establish Trust
	Data Security and Customer Privacy Protection	Article 48	Valuing Customers' Rights and Interests, Controlling Supply Chain Management
	Employees	Article 50	Protecting Employees' Rights and Interests and Safeguarding Occupational Health Supporting Employee Development and Building Growth Channels
Sustainability-Related Governance	Due Diligence	Article 52	ESGImproving ESG Governance, Deepening Benefit Synergy
	Communications with Stakeholders	Article 53	
	Anti-Bribery and Anti-Corruption	Article 55	Rooting in Compliant Operations and Forging a Culture of Integrity
	Anti-Unfair Competition	Article 56	

Indexes of the *Guide to Corporate Sustainability Reporting in China (CASS-ESG 6.0)* and *Sustainability Reporting Standards of the Global Reporting Initiative ("GRI Standards")*

Chapters and Sections	CASS-ESG 6.0	GRI Standards	
About This Report	P1.1-P1.2	2-2/2-3	
Message from the Chairman	P2.1	2-22	
Sustainable Development Highlights	S2.1.4/E3.1.3/S4.3.6	201-1/302-3/305-4	
About Hoperun Software	P3.1-P3.4	2-1/2-6/2-9	
ESG Management	G1.1.1-G1.1.2/G1.1.5/G1.1.9/ G1.2.1/G1.2.2/G1.3.1-G1.3.2	2-9/2-12/2-16/2-17/2-29/3-1/3-2/3-3	
Inspired Evolution: Leading the Industry with Digital Intelligence Innovation	Building an Innovative Ecosystem, Leading in Development Momentum	S2.1.1-S2.1.7/ S2.1.10-S2.1.11/G1.1.8	2-27/203-2
	Enabling Digital Intelligence Transformation, Co-Shaping Sound Industry Ecosystem	S2.1.13	2-6/2-28/203-2
Harmonious Cohesion: Talent Development and Growth	Protecting Employees' Rights and Interests and Safeguarding Occupational Health	S4.1.1/S4.1.3/S4.1.4/S4.1.6/ S4.1.9/S4.1.11-S4.1.12/ S4.2.1-S4.2.6/G1.1.8	2-7/2-27/401-1/403-1/403-2/403-3/403-5/403-6/403-7/405-1/406-1/407-1/408-1/409-1
	Supporting Employee Development and Building Growth Channels	S4.1.5/S4.1.7/S4.1.12/ S4.3.1-S4.3.4/S4.3.6	2-19/2-20/2-25/2-27/401-2/404-1/404-2

Chapters and Sections	CASS-ESG 6.0	GRI Standards	
Symbiotic Growth: Green and Low-Carbon Practices	Leading with Green Strategy and Advancing the "Carbon Peaking and Carbon Neutrality" Goal	E1.1.1-E1.1.8/E1.14/E1.1.16/ G1.1.8	2-27/201-2/305-1/305-2/305-4
	Empowering Green Technology Innovations and Building Low-Carbon Ecosystems	/	2-27/302-5
	Practicing Green Operations and Leading Bright Future	E2.1.1/E2.2.5-E2.2.6/ E2.4.3-E2.4.4/E3.1.1/E3.1.3/ E3.1.5/E3.2.1-E3.2.4/E3.3.4	2-27/302-1/303-5/306-2
Harmonious Co-construction: Efforts to Create a Better Future	Deepening Industry-Education Integration and Fulfilling Social Responsibility	S1.2.1-S1.2.5	203-1/203-1/203-2/413-1
	Promoting Rural Revitalization and Deepening International Exchanges	S1.1.2	203-1/413-1
Shared Trust: Quality and Safety for Win-win Benefits	Improving Quality and Efficiency to Strengthen Foundation, Safeguarding Security to Establish Trust	S3.3.1-S3.3.2/S3.4.1-S3.4.4/ G1.1.8	2-27/418-1
	Valuing Customers' Rights and Interests, Controlling Supply Chain Management	S3.1.2-S3.1.4/S3.2.1/S3.3.4/ S3.3.6	2-27/204-1/308-1/308-2/414-1/417-3
Harmonious Governance: Compliance for Steady and Long-term Success	Consolidating Governance Foundation and Enhancing Trust Among Shareholders	G1.3.1-G1.3.2	2-9/2-10/2-27/2-29/405-1
	Rooting in Compliant Operations and Forging a Culture of Integrity	G2.1.1-G2.1.3/ G2.1.5-G2.1.8/G2.2.1-G2.2.3	2-26/2-27/201-1/205-2/205-3/206-1/207-2
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	Feedback	A6	/



Feedback

Dear readers,

Thank you for reading this report. We highly value and look forward to hearing your feedback on this report. Your opinions and suggestions are crucial for us to continuously improve our ESG information disclosure, management and practices. We welcome and sincerely appreciate your valuable comments!

1. Which of the following stakeholders is most relevant to you in relation to Hoperun Software?

- Employee Client Shareholder or Investor Supplier Government & Regulatory Authority
- Media/Industry Association Others (please specify)

2. Your overall assessment of this ESG report:

- Very Good Good Average Below Average Poor

3. How do you think we have communicated with stakeholders?

- Very Good Good Average Below Average Poor

4. How do you think we have fulfilled our product responsibilities?

- Very Good Good Average Below Average Poor

5. How do you think we have performed in terms of environmental, safety, and occupational health?

- Very Good Good Average Below Average Poor

6. How do you think we have fulfilled our employee responsibilities?

- Very Good Good Average Below Average Poor

7. How do you think the organization and layout design of this report?

- Very Good Good Average Below Average Poor

8. Any comments or suggestions on our ESG performance and this report?

You can contact us through the following modes:

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