2025

Orinko Advanced Plastics Co., Ltd.

Environmental, Social and Corporate Governance (ESG) Report

Contents

About the Report

Overview of the Report

This Report is the third environmental, social and corporate governance (ESG) report released by Orinko Advanced Plastics Co., Ltd. (hereinafter referred to as "the Company", "Orinko" or "we"), aiming to disclose the Company's management philosophy, core initiatives and key performance in 2025 in ESG dimensions to all stakeholders including shareholders, customers, employees, suppliers, communities, and government regulators in a comprehensive and transparent way.

Organizational Scope of the Report

The scope of this Report covers the headquarters and all wholly-owned and controlled subsidiaries of Orinko Advanced Plastics Co., Ltd., encompassing all core businesses of the Company, to ensure the completeness and relevance of information disclosure.

Time Range of the Report

This Report mainly covers a period from January 1 to December 31, 2025. To enhance the comparability, continuity and contextual completeness of this Report, content regarding key cross-year projects, long-term development plans, talent cultivation programs, among others, may be traced back to previous years or extended into future planning periods as appropriate. This ensures that stakeholders can gain a comprehensive understanding of the coherence and long-term nature of the Company's sustainable development.

Release Cycle of the Report

This Report is released annually, consistently focusing on the core issues of concern to stakeholders, and disclosing the Company's sustainability progress in a timely manner. Supervision and feedback from all stakeholders are welcome.

Sources of Information

All information and data disclosed in this Report are sourced from the Company's official documents and authentic operation records, which ensures the authenticity, accuracy and traceability of the content. These sources include but are not limited to the Company's internal management policies, operation and management statistical ledgers, special ESG records (environmental monitoring data, greenhouse gas inventory data, employee training files, etc.), and third-party testing and assurance reports.

References for Report Preparation

This Report is prepared with reference to mainstream ESG disclosure standards at home and abroad, relevant national laws and regulations, and standards for the new materials industry, so as to ensure the comprehensiveness, relevance, standardization and industry suitability of the disclosures in this Report. The core references include the Global Reporting Initiative's Sustainability Reporting Standards (GRI Standards), the United Nations Sustainable Development Goals (UN SDGs 2030), the recommended framework of the Task Force on Climate-related Financial Disclosures (TCFD), as well as the relevant ESG information disclosure requirements for listed companies imposed by the China Securities Regulatory Commission (CSRC) and the Shanghai Stock Exchange (SSE). The Report also takes into account the development trends and policy orientations of the new materials industry, along with the Company's own business model and sustainability management practices.

Disclaimer

This Report contains forward-looking statements. Except for explicitly disclosed historical facts, all statements concerning the Company's future strategic plans, development goals, performance expectations, advancement of low-carbon transition, among others, are made based on the Company's current operating conditions, industry development trends and available information. Due to the impact of various uncertain factors, including macroeconomic conditions, adjustments to industrial policies, changes in the market competition landscape, fluctuations in raw material prices, technological iteration and natural disasters, actual results may differ from such forward-looking statements. The Company makes no assurance as to the accuracy or achievability of these statements. This Report is intended solely to disclose the Company's ESG-related performance in 2025 to stakeholders, and does not constitute any commercial offer, investment advice or other legally binding document.

Message from Chairperson

Chairperson: **Li Jianyi**

As the world advances further toward sustainable development and the industrial restructuring driven by the "carbon peaking and carbon neutrality" strategy gathers pace, the new materials industry, as a strategic emerging industry in China, is entering a critical period characterized by innovation and upgrading, green transition, and coordinated development across the globe. At Orinko, we stay committed to our original aspiration of creating innovative materials to drive green development and harmony with nature, and integrate the ESG philosophy into corporate operation, management and long-term planning as a key foundation for the Company's sustainable and high-quality development. In 2025, we closely aligned with major national strategies and plans, such as building a manufacturing powerhouse, driving self-reliance and strength in science and technology, and driving achievement of the "carbon peaking and carbon neutrality" goals, and forged ahead steadily on the path to green transition, technological innovation, governance optimization and value co-creation. These efforts have enabled us to deliver an impressive sustainability performance that exhibits our industrial responsibility, ecological commitment and social value to all stakeholders.

2025 marked a pivotal year for the Company to further implement its ESG strategy, comprehensively advance low-carbon development and improve the circular economy system. We firmly believe that an enterprise must align with national strategies, keep pace with industrial advancement and collaborate with all stakeholders to achieve sustainable development. In terms of green development, guided by the carbon neutrality strategy, we have established a full-lifecycle low-carbon development system integrating green R&D, green and intelligent manufacturing, green circulation and green supply. Through Orinko Environmental Protection, we have built a complete industrial chain of recovery, regeneration and high-value application for waste materials, enabling large-scale, end-to-end and closed-loop recycling in home appliance and automobile sectors. We adopt a circular economy model to ease resource and environmental constraints, and provide low-carbon green products to support carbon reduction and efficiency improvement in downstream industries such as new energy, high-end manufacturing, home appliances and automobiles, actively undertaking the historic responsibility of driving green transition across the new materials industry. In terms of innovation-driven development, we deepened the reform of the integrated product development (IPD) system, further drove breakthroughs in core areas such as bio-based materials, recycled materials, lightweight engineering materials, and special materials for new energy, promoted independent innovation and iteration of core technologies through full-lifecycle eco-friendly design, and consolidated the foundation for the Company's sustainable development through technological innovation.

In terms of governance modernization, we've established the Strategic Development and ESG Committee under the Board of Directors, improved the ESG governance framework comprising decision-making, management and execution levels, and incorporated climate risk, environmental compliance, work safety and data security into the comprehensive risk management system, to bolster the foundation for the Company's long-term development through standardized, digital and transparent governance. In terms of human centricity and social value, upholding the core philosophy that talents are the primary resource, we improved the full-lifecycle talent development system, fostered a multi-tiered talent team through the "Orinko Star" and "Leadership Program" programs, and safeguarded the growth of every employee by providing rights and interests protection, occupational health support and humanistic care. We further drove industrial chain collaboration for sustainable development, and encouraged upstream and downstream partners to practice the ESG philosophy, to jointly forge a resilient, green and responsible industrial ecosystem. We actively engaged in public welfare and charitable activities, showing our care through elderly support and student aid programs, and serving the society through concrete actions.

Standing at a new starting point of industrial upgrading and global competition, we're increasingly aware that ESG is a core competitiveness for enterprises to navigate development cycles and win future competition, as well as a key anchor for new materials enterprises to participate in global industrial collaboration and enhance international influence. Going ahead, Orinko will remain committed to the principles of long-termism, strategic guidance and value co-creation. We'll advance sustainable development with higher standards, continuously strengthen the leadership of green technologies, and increase investment in the R&D of low-carbon materials and recycling technologies, to secure a strategic advantage globally in the development of new green materials. We will further promote carbon neutrality practices across the entire value chain, expand the application of clean energy and the layout of the circular economy, and drive collaboration on carbon reduction across the industrial chain. We will always fulfill our social responsibilities as a global enterprise, and support the realization of SDGs through compliant, green and innovative offerings.

Going ahead, we will further deepen the "2-6-3-X" industry focus strategy. To be specific, we will deepen engagement in the two "ballast stone" industries of smart home and automobiles, expand presence in high-growth industries such as consumer electronics, electrical equipment, and new energy, and nurture growth in emerging industries including special-purpose materials, separator materials, and high-end composite materials. Meanwhile, we will resolutely advance global expansion and the efficiency revolution across the value chain, to build efficiency into our strongest barrier. We hereby express our sincere gratitude to all shareholders, customers, partners, and all sectors of the society for your long-standing trust and support. We will stay committed to sustainable development, drive the green transition of industries through innovation, and work with all stakeholders to create sustainable value on the path of green and low-carbon development, so as to contribute our strength to the future of our planet.

Feature: Recycling for a Better Shared Future — Orinko's PCR Material-based Circular Economy Business

Orinko regards circular economy as a core pillar of its green development strategy and a key engine for high-quality growth. Relying on its presence across the industrial chain of post-consumer recycled (PCR) plastics, the Company fully leverages its core technological advantages in modified materials, integrates upstream and downstream resources, and drives the transformation of waste polymer materials into high-performance materials. In doing so, it provides practical, scalable low-carbon circular economy solutions for core downstream sectors such as home appliances and automobiles, and promotes progress toward national "carbon peaking and carbon neutrality" goals with concrete actions.

Circular Economy Strategy

The Company has elevated recycling to a group-level strategy, explicitly positioning the PCR plastics business as the core driver of its green transition. Rooted in its core business of modified new materials, the Company, leveraging decades of expertise in material modification, manufacturing, and industrial chain resource integration, has established a circular economy strategy featuring "specialized platform operation, industrial chain integration, and coordinated development of regional bases". It is committed to building a complete circular industrial ecosystem covering resource recovery, recycling & modification, high-value application, and ecosystem collaboration.

Orinko Environmental Protection

To systematically implement its circular economy strategy, in 2025, Orinko established a wholly-owned subsidiary — Orinko Chuangyuan Environmental Protection Technology (Anhui) Co., Ltd. (hereinafter referred to as "Orinko Environmental Protection"), which serves as its core operation platform in the field of green circular materials. Orinko Environmental Protection has built a professional team covering renewable resource recovery, material modification, quality control and market expansion. Focusing on the large-scale and high-value development of PCR materials, Orinko Environmental Protection integrates high-quality upstream and downstream resources, breaks down the barriers between recovery, recycling and application, and drives the transition of circular business from a fragmented model to one that is specialized, scalable, and systematic.

Presence across the Entire Value Chain

Through Orinko Environmental Protection, the Company has built a closed-loop system covering the whole process from recovery, dismantling, crushing and sorting to pelletizing and modification, enabling waste plastics to go through the cycle from recovery to reuse. Each part of the process is based on a standardized operation model, ensuring efficient and stable circulation of resources.

Upstream recovery

Through joint ventures, self-built networks and regional collaboration, the Company secures high-quality renewable resources. Focusing on the two core regions of eastern China and southern China, it has established a diversified recovery network that covers community, enterprise, and industry channels. The Company maintains long-term and stable cooperation with local resource recycling enterprises and dismantling enterprises, recovering post-consumer waste polymer materials such as home appliance housings, automotive parts and packaging materials, to ensure a stable supply of raw materials. Meanwhile, it has put in place a recovery traceability system, enabling traceable sources and trackable destinations for every batch of recovered raw materials.

Midstream recycling

The Company has built standardized production lines for recycled materials, introduced advanced crushing, sorting and pelletizing facilities, and adopted intelligent sorting technology to remove impurities and odors from waste plastics and improve the purity of recycled pellets. In collaboration with the in-house R&D team, it carries out high-performance modification of recycled materials. Through formula optimization and process upgrading, it addresses the pain points of the industry such as performance degradation and processing instability of recycled materials, promoting quality upgrading of recycled products, and meeting the needs of high-end application in downstream industries.

Downstream application

By applying recycled modified materials at scale in mainstream scenarios such as home appliances, automobiles and new energy, the Company has realized high-value and large-scale application of such materials and formed an end-to-end system of "recovery - recycling - application". In the home appliance industry, recycled materials are used in structural parts, housings and other parts of products such as washing machines, refrigerators and air conditioners. In the automobile industry, recycled materials have been applied to automotive interior and exterior parts, maximizing the value of resource circulation.

Industrial Collaboration

Upholding the development philosophy of "openness and collaboration for mutual growth and shared success", the Company works closely with leading downstream enterprises to jointly build an industry-level circular ecosystem and forge two characteristic circular models:

High-value circular model for home appliances

The Company collaborates with leading enterprises in the home appliance industry, and deepens presence across the home appliance dismantling and recycling industrial chain, realizing the high-value, closed-loop circulation of home appliance plastics from "products to products". After recovering waste home appliances through home appliance enterprises and dismantling them into waste plastics, the Company recycles and modifies them to produce materials that meet the standards of the home appliance industry, which are re-supplied to home appliance enterprises for new product production. This enables the full-lifecycle circulation of home appliance plastics.

"Car-to-car" circular model

The Company partners with leading new energy vehicle manufacturers and vehicle dismantling enterprises at home, to co-create benchmark cases for automotive plastic recycling and build a "car-to-car" closed-loop model for automotive materials. Specifically, plastic components from end-of-life vehicles are professionally dismantled, sorted, modified and recycled into materials that meet the environmental and performance standards of the automotive industry. These materials are then reused in vehicle interior and exterior trims, functional parts, etc. This drives low-carbon transformation in the automotive industry and supports automakers in achieving their carbon emissions reduction targets.

Technology and Quality

Leveraging its strength in modification technology, the Company empowers the upgrading of recycled materials. Supported by a robust R&D team, the Company focuses on tackling core industry challenges including performance degradation, impurity control and odor management of recycled materials. It has launched a series of PCR materials that meet stringent downstream standards and combine environmental friendliness with high performance.

Technological R&D

Through formulation optimization and process innovation, the Company enhances the mechanical property, processability, and aging resistance of recycled materials. As a result, the performance of the recycled materials is close to that of virgin materials, meeting the application requirements in home appliances, automobiles and other high-end sectors. Meanwhile, the Company develops environment-friendly modification technologies to reduce pollutant emissions during the recycling process, making headway in both recycling and environmental protection.

Quality certification

The Company's recycled materials have passed the Global Recycled Standard (GRS) certification that covers the percentage of recovered content, environmental protection in the production process, product traceability and other parts of the value chain, and earned widespread recognition from downstream customers. Meanwhile, the Company has established a comprehensive quality control system, implementing full-process testing from raw material recovery and recycling to shipment of finished products, to ensure stable and reliable product quality.

Traceability platform

By building a full-lifecycle traceability platform for PCR materials, the Company enables traceability of the source, processing, testing and destination for each batch of products. This aligns with downstream customers' demands for low-carbon, compliant and transparent solutions, and enhances product competitiveness.

Scale and Achievements

After years of dedicated operation, the Company's circular economy business has achieved large-scale development and delivered tangible results.

Production capacity

The Company's joint ventures, Guangdong Zhongyin Plastics Co., Ltd. and Orinko Environmental Technology (Anhui) Co., Ltd., record an annual production capacity of 100,000 tons and 50,000 tons of recycled materials, respectively.

Total production capacity of recycled materials

150,000 tons per year

Environmental benefits

By replacing petroleum-based virgin materials with recycled waste plastics, the Company cuts carbon dioxide emissions by over 200,000 tons per year. This effectively reduces the reliance on non-renewable resources such as petroleum, while minimizing resource consumption and environmental pollution.

Carbon dioxide emissions cut by Over

200,000 tons per year

Market performance

The recycled materials have been supplied in large quantities to leading enterprises in home appliances, automobiles and other industries. Widely recognized by benchmark customers in the industries, these recycled materials are supplied under long-term, stable strategic partnerships, becoming a new growth driver of the Company.

Industry influence

Thanks to standardized operation and cutting-edge technology, the Company has become a benchmark for green transition in the polymer materials industry, receiving recognition and accolades from industry associations and government departments on multiple occasions.

01 About Orinko

Company Profile

Orinko Advanced Plastics Co., Ltd. (hereinafter referred to as "Orinko", stock code: SH688219) is a national high-tech enterprise, the first leading modified plastics company listed on the STAR Market, as well as one of the largest advanced material enterprises with the widest customer coverage in China.

As a new materials company operating globally, Orinko has set up seven production bases in Hefei, Anqing, Foshan, Chongqing, Wuhu and Weifang in China and Chonburi Province in Thailand, as well as a global R&D center in Shanghai. Through the robust production network and technical service system, the Company provides global customers with more precise, accessible and timely professional services and integrated material solutions.

Incorporated in
2008

Stock code
SH688219

The Company's products include modified materials, special-purpose engineering materials, environment-friendly high-performance PCR materials and multifunctional separator materials, etc., and are applied in a wide range of national pillar industries and emerging industries, such as automobiles, home appliances, new energy, consumer electronics, electronic and electrical products, AI, healthcare, rail transit, home furnishing & building materials, and security protection.

Orinko is committed to the mission of "facilitating customers' success with innovative materials, and creating a green life for mankind". Driven by continuous innovation, stable quality and premium services, Orinko provides exceptional products and professional solutions for global customers, empowering the sustainable development of a green lifestyle.

Corporate Culture

Vision
Become a global leader in the advanced materials industry

Mission
Facilitating customers' success with innovative materials, and creating a green life for mankind

Core value
Customer first, open learning, reform and innovation, cooperation and striving, honesty and pragmatism

Goal
Pursuing professionalism, innovation and efficiency, striving tirelessly to become a material expert for customers.

Development Course

2008

The Company was incorporated and officially started business in the field of new materials.

2010

Hefei Industrial Park was completed and put into operation.

2011-2016

The Company was qualified as a national high-tech enterprise.
The Company was awarded the title of an innovation-oriented enterprise.
The Company established a postdoctoral workstation.
Hefei Industrial Park Phase II was completed.

2017

The Company completed the joint-stock system reform.
Chongqing Orinko was established to operate in the Southwest China market.

2018

The Company was recognized as a national enterprise technology center.
Shanghai Research Institute was put into operation.
The Company acquired Guangdong Yuanrong to operate in the South China market.

2019

The new base in Hefei was completed and put into operation.

2020

The Company was listed on the SSE STAR Market (stock code: 688219).

2022

Orinko Advanced Plastics International Co., Ltd. was established.
A new base in Anqing was completed and put into operation.
The special nylon synthesis base in Shandong was put into trial operation, integrating synthesis and modification industrial chains.

2023

Orinko New Energy Company was established to expand into the field of new energy battery separators.

2024

Orinko Environmental Technology (Anhui) Co., Ltd. was established as a joint venture to drive presence across the PCR industrial chain.

2025

The Company secured a strategic controlling stake in Donghua Composites.
The Company planned to acquire OMIKRON, an Italian modified materials enterprise.

Business Layout

As a leader in innovative polymer materials, Orinko provides new polymer materials solutions for a wide range of industries.

Industries where Orinko secures a leading position

- Automobiles
- Home appliances
- New energy
- Consumer electronics
- Electronic and electrical products

Industries where Orinko operates

- Rail transit
- Home furnishing & building materials
- Security protection
- Healthcare
- Energy storage

Emerging industries Orinko strategically expands into

- AI servers
- Low-altitude economy
- Humanoid robots
- Liquid-cooled big data centers

Modified new materials

Special-purpose engineering materials

Environment-friendly high-performance PCR materials

Multifunctional separator materials

Orinko provides specialized, innovative and efficient products and services for global customers, creating a green life for mankind.

Globalized Services

Orinko's headquarters

Hefei, China

Research institutes

Suzhou, Shanghai, Jinshan

R&D and manufacturing bases

Chonburi, Thailand; Mexico (under preparation); Italy (to be acquired); Chongqing, Zhaoqing, Foshan, Fuyang, Anqing, Wuhu, Weifang in China

Overseas offices

Tokyo, Japan; US; Vietnam

Domestic offices

Beijing, Changchun, Shenyang, Tianjin, Baoding, Handan, Jinan, Qingdao, Xi'an, Chengdu, Wuhan, Jingzhou, Changsha, Changzhou, Nanjing, Wuxi, Kunshan, Ningbo, Xiamen, Huizhou, Shenzhen, Dongguan, Zhongshan

Honors and Awards in 2025

Major awards and honors received by Orinko and its subsidiaries in 2025:

A High-Tech Enterprise

Science and Technology Commission of Shanghai Municipality

A Green Factory in Anhui Province

Anhui Provincial Department of Industry and Information Technology

A Green Factory in Chongqing

Chongqing Municipal Commission of Economy and Information Technology

An Advanced Intelligent Factory in Anhui Province

Anhui Provincial Department of Industry and Information Technology

A Specialized and Sophisticated SME Producing Novel and Unique Products in Anhui Province

Anhui Provincial Department of Industry and Information Technology

One of the Top 100 Private Manufacturing Enterprises in Anhui Province

Anhui Federation of Industry and Commerce

One of the Top 30 Manufacturers in Hefei

Hefei Enterprise (Enterprise Directors) Confederation

One of the Top 500 Manufacturers in Guangdong Province

Guangdong Manufacturers Association

One of the Top 100 Enterprises in Foshan
Top 100 Manufacturers in Foshan
Top 100 Private Enterprises in Foshan

Foshan Enterprise Confederation, Foshan Enterprise Directors Association

Anqing Enterprise Technology Center

Anqing Municipal Bureau of Industry and Information Technology

Anqing Enterprise R&D Center

Anqing Municipal Bureau of Science and Technology

02
Sustainable Development Management

Committed to sustainable development, Orinko embeds the ESG concept into the entire process of corporate governance, strategic planning, operation & management, and industrial chain collaboration, and works to build a systematic sustainable development management system led by strategies, underpinned by robust governance, driven by communication and collaboration, and focused on key priorities. Aligning with the characteristics of the new materials industry and the development opportunities brought by the "carbon peaking and carbon neutrality" initiative, the Company continuously refines its ESG governance framework, clarifies the implementation roadmap for the sustainable development strategy, improves the stakeholder communication mechanism, and conducts materiality evaluation in a scientific manner. Through high-quality sustainable development management, the Company aims to drive long-term and stable business operation, and empower the green transition of the industry.

ESG Strategy

ESG Concept

Orinko adheres to the ESG concept of "creating innovative materials to drive green development and harmony with nature". It deeply integrates ESG management with the carbon neutrality goal and the high-quality development of the industry, and fosters an ESG value system featuring environmental sustainability, co-growth with society and high-standard governance, aiming to be a benchmark of ESG practices for the global new materials industry.

ESG Strategic Directions

Aligning closely with China's "carbon peaking and carbon neutrality" strategy as well as policies supporting technological innovation and high-quality development, the Company has established three strategic directions, respectively in environmental, social and corporate governance dimensions, in light of its business layout and globalization plan.

Environmental	Social	Governance
Low-carbon transition and circular economy	Human centricity and co-creation of value	Standardization, transparency, compliance and long-term development
With the carbon neutrality strategy at the core, the Company promotes green manufacturing, clean energy substitution, and the layout of circular economy business across the industrial chain. With the focus on the R&D and application of PCR materials and low-carbon modified materials, it works to build a full-lifecycle green system covering raw materials, production, recovery and recycling.	Upholding a human-centric approach, the Company protects employees' legitimate rights and interests as well as occupational health and safety, and improves the talent training and career development system; it adheres to the bottom line of product quality and work safety, and deepens sustainable management of the supply chain; it actively fulfills its social responsibility, and engages in public welfare and green science popularization initiatives.	The Company continuously improves its governance structure as a listed company, strengthens internal control and risk prevention & control, adheres to business ethics and information security, and pushes forward digital governance. It refines the ESG governance mechanism, and enhances the quality and transparency of ESG information disclosure.
Core issues		
Response to climate change, carbon neutrality strategic actions, energy management, water resource management, circular development, pollution and emissions management, green products and solutions	Product quality and safety, sustainable management of the supply chain, customer services, protection of employee rights and interests, occupational health & safety, employee training and development, public welfare and charity	Listed company governance, business ethics, information security, digital construction, compliance operation

ESG Governance

To strengthen the top-level decision-making and overall coordination of ESG work, the Company officially renamed the Strategic Development Committee of the Board of Directors as the Strategic Development and ESG Committee of the Board of Directors, and established a three-level ESG governance system featuring collaboration across the decision-making level, management level and execution level, to ensure that ESG work is deeply integrated with the Company's strategies and efficiently implemented.

ESG management structure

Division of ESG Responsibilities

Decision-making level

Board of Directors and Strategic Development and ESG Committee

They review the Company's ESG strategies and plans, carbon neutrality targets, climate risk response strategies, sustainable development policies and annual ESG work plans; oversee the implementation of ESG strategies and the achievement of performance targets; and review annual ESG reports and relevant information disclosure documents, to ensure that ESG practices comply with regulatory requirements and stakeholder expectations.

Management level

ESG Leading Group

It formulates annual ESG action plans, decomposes and implements ESG management requirements, coordinates efforts to address major issues arising from the implementation of ESG initiatives, and ensures the implementation of strategies. It is led by the Company's senior management, and collaborates with core departments including R&D, production, supply chain, human resources and finance, to form a management mechanism with comprehensive coverage.

Execution level

ESG Work Execution Group

All centers, functional departments, branches and subsidiaries appoint dedicated liaison officers, who are responsible for the execution of and data collection involved in specific tasks, including carbon emission accounting, supplier ESG review, employee training, environmental management, work safety and implementation of public welfare initiatives, and report work progress on a regular basis, so as to form a top-down execution network with participation by all employees.

Communication with Stakeholders

The Company has identified eight core stakeholders, including shareholders and investors; regulators/exchanges and rating agencies; customers; suppliers/-contractors and other partners; employees; communities/the public and media; non-governmental organizations (NGOs), and industry associations/research institutions. It precisely aligns with the core expectations of each stakeholder and puts in place diversified and regular communication channels, realizing two-way information communication and interaction.

Stakeholders	Shareholders and investors	Regulators, exchanges and rating agencies	Customers	Suppliers, contractors and other partners	Employees	Communities, the public and media	NGOs	Industrial associations and research institutions
Core expectations	Economic performance Risk management ESG performance Long-term value	Compliance operation Legal employment Business ethics Information disclosure	Product quality and safety Green and low-carbon solutions Customer services Information security	Sustainable procurement Business ethics Responsible production Fair cooperation	Occupational health & safety Employee welfare rights and interests Employee training and development Humanistic care	Charity and public welfare Ecological environment protection Work safety Green development	Environmental protection Water resource management Response to climate change Responsible production Employee rights and interests	Scientific and technological innovation Intellectual property protection Standard formulation Industrial collaboration
Main communication channels	Shareholders' meetings Regular report disclosure Performance presentation On-site investor surveys SSE E-interactive Hotline	Regulatory filing Compliance training Questionnaire surveys On-site inspection Response to inquiries	Global service platforms Customer visits Quarterly operation communication meetings Customer satisfaction surveys CRM system Technical exchange meetings	Supplier conferences Regular evaluation and review Daily communications Sustainable development training On-site review	Employee forums Corporate email box for employee feedback Internal communication platform Employee satisfaction surveys Corporate culture activities	Community project cooperation Public welfare activities Official WeChat accounts Media interviews Public open day	Information disclosure Thematic exchanges Daily communications Public welfare project cooperation	Industrial exhibitions International standard formulation Academic exchanges Joint R&D Industrial meetings

Evaluation of Materiality Issues

Guided by sustainable development and centering on environmental, social and corporate governance (ESG) dimensions, the Company has established a materiality issue management mechanism comprising four stages: issue identification, issue survey, issue analysis and issue screening. It accurately identifies core materiality issues and updates them on an ongoing basis, to ensure that materiality issue management aligns with corporate development, industry trends and regulatory requirements.

01 Issue identification

The Company conducts a comprehensive review from three dimensions: internal operations, industry practices and policy compliance, and identifies basic issues across all scenarios.

Internal operations: Focusing on the whole process of core business, the Company identifies materiality issues covering key links of operation, such as green production, energy consumption control, water resource utilization, solid waste recycling, work safety, employees' occupational health, and product quality control.

Industry practices: Benchmarking against best sustainability practices in the new materials industry, the Company introduces industry-specific issues, with the focus on common issues including low-carbon transition, circular economy, ESG management across the supply chain, and green technology innovation.

Policy compliance: Aligning with domestic and international regulatory requirements, including ESG disclosure standards, carbon peaking and carbon neutrality policies, environmental regulations, and labor protection policies, the Company identifies compliance issues and develops a complete list of basic materiality issues.

02 Issue survey

The Company summarizes the core concerns of all stakeholders through external surveys and internal interviews.

External surveys: Through industry surveys, the Company gains insights into the concerns and core expectations of various stakeholders on ESG issues.

Internal interviews: The Company conducts in-depth interviews with core functional departments including production, R&D, human resources, finance, EHS (Environment, Health and Safety) and supply chain, and sorts out the key ESG matters and management priorities in their daily operations.

03 Issue analysis

The Company conducts evaluation from the two dimensions of financial materiality and impact materiality, and quantitatively rates the priority of each issue.

Financial materiality: The Company analyzes the potential impacts of each issue on its financial performance, including impacts on its income, costs, profits, cash flows, financing costs, brand value, etc.

Impact materiality: The Company evaluates the potential impacts of each issue on the environment and society, covering the scale, scope, duration, irreversibility and likelihood of occurrence of such impacts.

04 Issue screening

The Company conducts tiered screening and regular updating from the two dimensions of priority rating and dynamic calibration.

Priority rating: Based on results of the two-dimensional evaluation, materiality issues are classified into three levels: high priority, medium priority and low priority, and then submitted to the corporate governance level for review and confirmation.

Dynamic calibration: The Company has established an annual update mechanism. Every year, the Company reviews, reduces or adds materiality issues in light of business layout adjustments, industrial policy changes, technological iteration and upgrading, and shifts in stakeholder expectations, to ensure that issue management consistently aligns with its actual operation and external requirements.

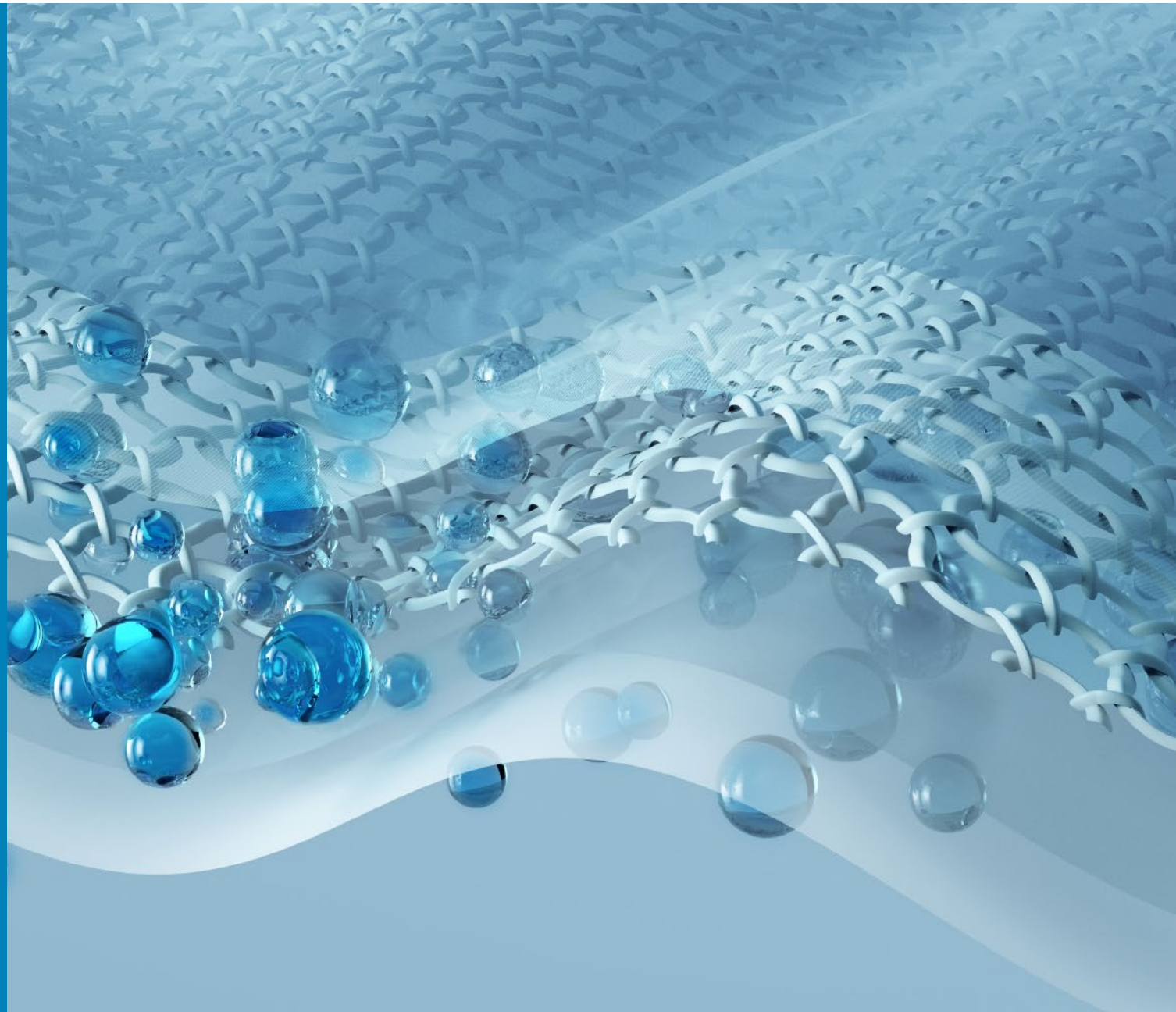
Materiality Issues Evaluation Matrix

List of Materiality Issues

Dimension	Materiality issues
Environmental	Environmental compliance management, carbon neutrality strategy, pollution and emissions management, circular development, resource management (energy and water), response to climate change, innovation of green products, ecological protection
Social	Product quality and safety, R&D innovation, supplier management, customer services, labor management, employees' occupational health and safety, employee training and career development, employee care, public welfare and charity
Corporate governance	Listed company governance, internal control and audit, business ethics, privacy and data security, intellectual property protection, digital construction

03
Green and Innovation-Oriented Development

The Company upholds innovation-oriented development, and builds a tiered, categorized, collaborative and efficient R&D management system. It continuously scales up R&D investment, upgrades R&D platforms and drives technological breakthroughs. Powered by R&D and innovation, the Company advances the iteration of green products and industrial upgrading, providing core technological support for sustainable development.



R&D Innovation

The Company boasts a range of R&D platforms, including a national enterprise technology center, a national CNAS laboratory, a national postdoctoral workstation, an industrial technology innovation center of petroleum and chemical industries, an engineering research center in Anhui Province, an enterprise R&D center in Anhui Province, an enterprise technology center in Guangdong Province, an engineering technology research center in Guangdong Province, an enterprise technology center in Chongqing, a small and medium-sized enterprise technology R&D center in Chongqing, an industrial design center in Hefei, an enterprise technology center in Anqing, and an enterprise R&D center in Anqing. The Company maintains high-intensity R&D investment, allocating no less than 4% of its operating income to R&D and innovation annually. On such a basis, it has cultivated a specialized R&D team, providing robust talent and platform support for green technology R&D and product innovation.

R&D Investment

RMB **305,885,100**

R&D investment as a percentage of total operating income

4.71%

R&D Philosophy

R&D Framework

The R&D framework consists of basic research, applied research, and development research.

Basic research

It focuses on the exploration of new theories and principles, providing data support and theoretical guidance for the invention and creation of new technologie

Applied research

It focuses on the application of the outcomes of basic research to specific goals, paving the way for the practical application of such outcomes and translating them into usable technologies.

Development research

It focuses on the application of the outcomes of basic and applied research in product development and production practices. It is the core link in converting science into productive forces, covering the research and development of industrialization technology and industrial technology.

Research Mission

The Company makes constant innovations in new materials and new technologies. Meanwhile, it increases investments and efforts in the R&D of frontier technologies, and turns novel ideas into product solutions in line with customer demands, to break foreign monopoly, replace imported products, and advance toward cutting-edge technologies in the industry.

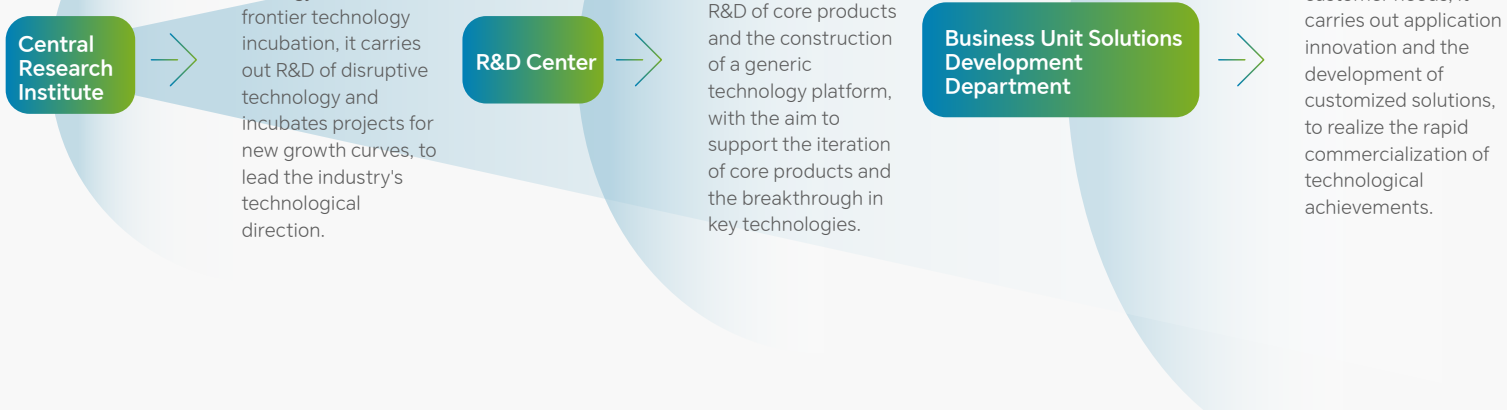
Based on pain points of the industry and customer demands, the Company follows market trends, closely cooperates with customers, and provides targeted product solutions to address pain points of the industry and meet customer demands.

The Company continuously improves the serviceability and innovativeness of its products, and drives the innovation of green material technologies.

R&D Framework

R&D System

The Company has established a three-level collaborative R&D system, forming an R&D structure that spans frontier exploration, technological breakthroughs, and application implementation.



With a customer-centric approach, the Company has established a three-level R&D system to ensure swift response to customer demands. It has also planned for the development of material technologies in the next 3-5 years, and put in place complete lifecycle management for product technologies.

IPD Reform

Guided by the principle of "prioritizing urgent needs while consolidating fundamental capabilities", the Company streamlined the R&D process, focusing on the two core areas of demand control and mass production control. This initiative boosted sample delivery efficiency by over 30%, mass production rate by over 40% and first-pass yield in mass production by over 30%, and cut customer complaint rate at the early stage of mass production by over 50%, thereby comprehensively enhancing R&D quality and conversion efficiency.

Sample delivery efficiency up by

Over **30%**

Mass production rate up by

Over **40%**

Customer complaint rate at the early stage of mass production down by

Over **50%**

R&D Platforms

Upgrade of laboratory capacity

The Company continued to expand the footprint of laboratory accreditation, having secured approvals from a total of nine auto manufacturers, including initial accreditations by four manufacturers —Fengyue, FAW-Volkswagen, Seres and NIO — in 2024 and 2025. Its testing capabilities cover all key fields including mechanics, chemistry, and thermodynamics.

Automation and digital transformation

At the Hefei base, tensile and bending tests have been automated, with robotic arms performing automatic sampling and testing. This has reduced average daily labor input by one man-day and significantly improved test data stability. A customized LIMS (Laboratory Information Management System) has been developed and piloted at the Guangdong base, enabling digitalization of the entire process from test application and sample receipt to report approval and sample retention management. This has cut report issuance time by 50%, improved labor productivity by 20%, and broken down data silos between SAP, PDM and IAM systems, realizing cross-platform data interconnection.

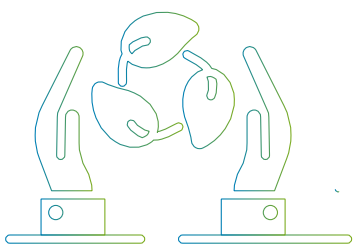
Construction of advanced analytical platforms

The Company has built three core capabilities: formulation analysis, failure analysis, and polymer monomer analysis, and independently developed 38 analytical technologies and 10 standard analytical methods, enabling molecular-level structural elucidation and 24-hour precise traceability of foreign contaminants. These capabilities cover the full product lifecycle from R&D and production control to after-sales quality management, supporting efficient customer complaint analysis and response, and providing robust technical support for quality improvement and cost control.

Green R&D

Committed to green R&D, the Company integrates the concepts of low carbon, circular economy and energy conservation into the entire R&D process. Focusing on technological breakthroughs in bio-based materials, recycled plastics, lightweight materials, low-VOC materials, among other green materials, the Company aims to reduce the environmental impacts of its products throughout their lifecycle from the source.

The Company deepens cooperation with universities and research institutes, and maintains long-term partnerships with the University of Science and Technology of China, Peking University, Anhui University, South China University of Technology, East China University of Science and Technology, Chongqing University and Donghua University, among others, to jointly build R&D platforms, launch scientific research projects, and integrate high-quality resources to accelerate the innovation and commercialization of green technology.



Green Products and Solutions

Upholding the mission of "facilitating customers' success with innovative materials, and creating a green life for mankind", the Company actively responds to China's "carbon peaking and carbon neutrality" strategy, and embeds the green concepts of light weight, low carbon, energy conservation, environmental protection, health and safety, reliability and long service life into the whole process of product development. Committed to developing green and environment-friendly materials, the Company has rolled out a number of innovative products, which have been successfully applied in areas such as new energy vehicles and home appliances, contributing its strength to green and low-carbon development.

Innovative materials for automobiles

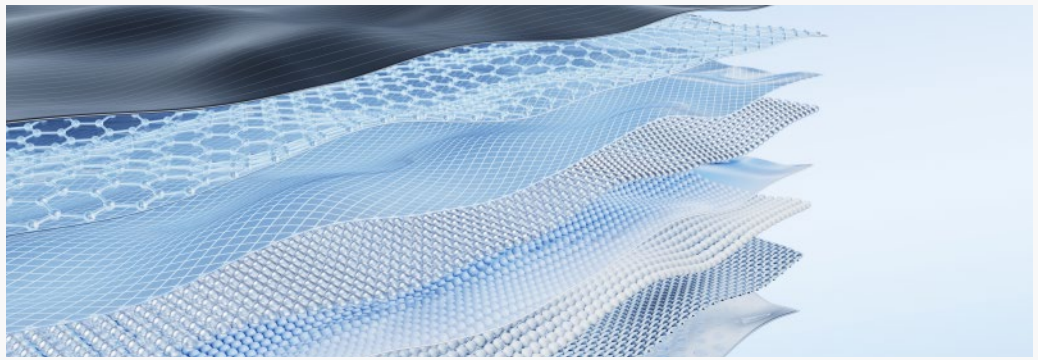
Focusing on light weight, low carbon and environmental protection, safety and comfort, intelligence and interaction, Orinko provides integrated material solutions for the 12 major systems of automobiles.

- Polarity injection-moulded surface for intelligent cockpits: Orinko pioneered the "ORINKO IMSS" injection moulding technology, which is widely applied to the injection moulding of large thin-wall surface products, replacing traditional moulding processes for soft surfaces like genuine leather wrapping, slush moulding and vacuum thermoforming in negative mould, and greatly boosting productivity and product competitiveness.
- Bio-based long-carbon-chain nylon material: Orinko has integrated the entire industrial chain covering synthesis, modification and application of long-carbon-chain nylon, which is widely used in the cooling pipes and fuel pipes of new energy vehicles, as well as lightweight drone bodies, smart wearables and other fields.
- Metallic color spray-free PC alloy material: Injection moulded, the material delivers a high-gloss metallic finish or special color effects, eliminating the painting process and significantly reducing VOC emissions.
- High-gloss black PMMA alloy: Orinko completed the 3500kJ ageing certification and was included in the SAIC General Motors system, designated for the development of exterior trim panels of pillars, grilles and other components of all vehicle models.
- PCR automotive materials: Orinko has built a car-to-car vertical circular model, developed recycled materials such as PCR-ABS and PCR-PP, and realized the high-value recovery and utilization of waste automotive materials.

Innovative materials for home appliances

Focusing on intelligence, premium quality, segmentation, energy conservation & environmental protection, health and safety, and home aesthetics, Orinko keeps advancing product innovation and upgrading, and provides integrated material solutions for home appliances in the whole house.

- High-strength, low-water-absorption reinforced PA material: Thanks to high strength, good appearance and low water absorption, the material features improved performance retention in wet environments.
- High-efficiency and long-acting antibacterial and antifungal material: It can continuously inhibit the growth of bacteria and mould, thus extending the service life of home appliances, and reducing product scrapping and resource waste caused by mould and aging.
- Renewable materials: Orinko provides renewable and low-carbon PP, ABS and PC material series across the ecosystem, empowering customers to reduce carbon emissions from products.
- The first refrigerant-resistant PBT material at home: Orinko passed the long-term refrigerant immersion and precipitation test, as well as relevant GMCC tests, breaking the monopoly of imported materials for customers.



Innovative materials for new markets

Focusing on light weight, low density, chemical corrosion resistance, and weather resistance, Orinko continuously develops novel and unique formulations and processes, providing innovative materials for new markets such as engineering materials, consumer electronics, and new energy.

- Halogen-free flame-retardant nylon: The highly heat-resistant alloy technology solves the problems related to precipitation, corrosion and moulding appearance of existing products, guaranteeing safe connections in the new energy field.
- PC and alloy materials:With the UL746C F1 certification, the materials for outdoor applications feature an RTI of 120℃ and excellent low-temperature resistance performance (-50℃). They are applied in areas like communication radomes, connectors, charging guns, and batteries, etc.
- Dielectric PPE materials:Orinko stably supplies the whole series of low-loss PPE materials with a dielectric constant ranging from 2.6 to 9.0, and has been recognized by multiple communication equipment manufacturers.
- Integrated high-temperature nylon materials: Orinko integrated the high-temperature nylon synthesis and modification industrial chain, achieving breakthroughs in areas such as new energy, consumer electronics, and LED display, with products leading in the domestic market.

Lithium-ion battery separator materials

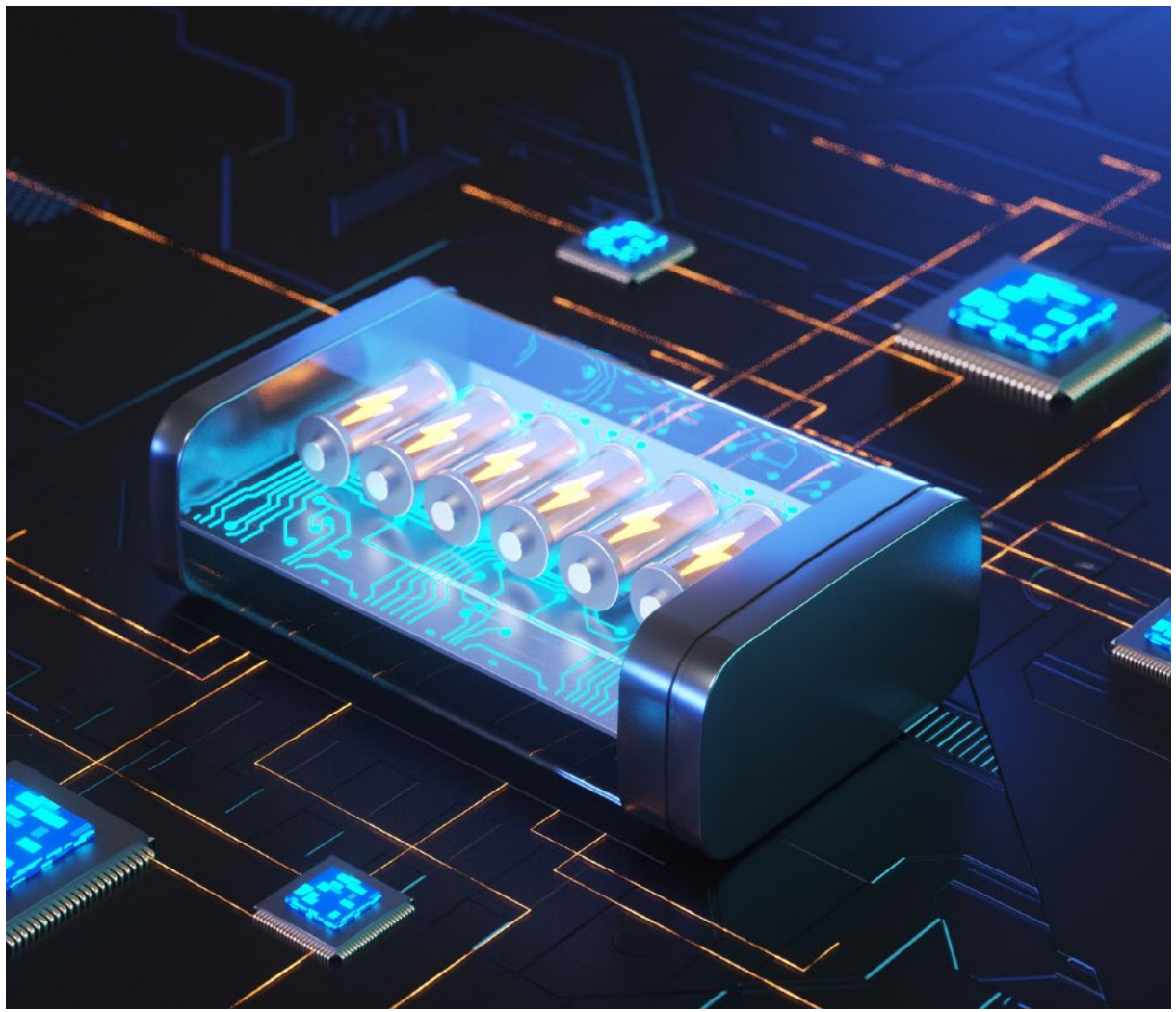
Orinko continuously advances implementation of the lithium-ion battery wet-process separator project, speeds up production of wet-process separators with stable quality and excellent performance, focuses on achieving breakthroughs in the lithium-ion battery market, and strives to become a supplier of new energy materials that can produce a range of functional separators.

- Domestic production line: Orinko independently designed the first fully domestic 6.5-meter-wide finished product production line in China, demonstrating full mastery of production line iteration and upgrade technologies.

- Aramid fibre coating materials: Orinko independently developed the polymerization and coating technology for para-aramid fibre. The product features high temperature resistance (with a film-breaking temperature of over 350℃), low specific gravity, oxidation resistance, and sound wettability, improving the energy density and safety performance of batteries.

- Online coating process: Orinko independently designed the online coating equipment, which achieves integrated production, shortens the production cycle and boosts production efficiency.

- High-temperature resistant ceramic coated separator: Based on the conventional ceramic formulation, Orinko improved the heat-resistant performance of heat-sensitive auxiliary materials, and increased the product's heat resistance temperature by another 20-50℃.



Intellectual Property Protection

Orinko regards intellectual property as the core pillar of innovation-driven development. The Company has built a full-process, standardized and globalized intellectual property management system fully covering the entire chain of creation, utilization, protection and management. By leveraging intellectual property, we have consolidated innovation barriers, safeguarded global market expansion, and led the upgrades of industry standards.

Intellectual property management system

Orinko has set up a dedicated intellectual property management department, which is staffed with IP management personnel and full-time engineers, and comprehensively oversees the application, operation and risk control of patents, trademarks, software copyrights and other intellectual property rights. The Company has improved the patent management system and formulated the Patent Management Measures and the Classification and Hierarchical Patent Management Measures to clarify the full-process patent management specifications, and established high-value patent screening, protection and operation mechanisms, achieving standardized and refined patent management.

Under a regularized intellectual property training mechanism, we have formulated an annual special intellectual property training plan, covering patent application practices, infringement risk prevention, and international intellectual property rules, to enhance employees' awareness of intellectual property and foster innovation and creativity across the organization.

Intellectual property creation and protection

With the coordinated advancement of innovation and intellectual property layout, Orinko has built a high-value intellectual property portfolio focusing on core fields such as green materials, new energy materials and special polymer materials. In 2025, the Company filed a total of 315 intellectual property applications, including 275 patents, 20 trademarks through the Madrid System, and 20 software copyrights.

Intellectual property applications filed in 2025

315

Patents

275

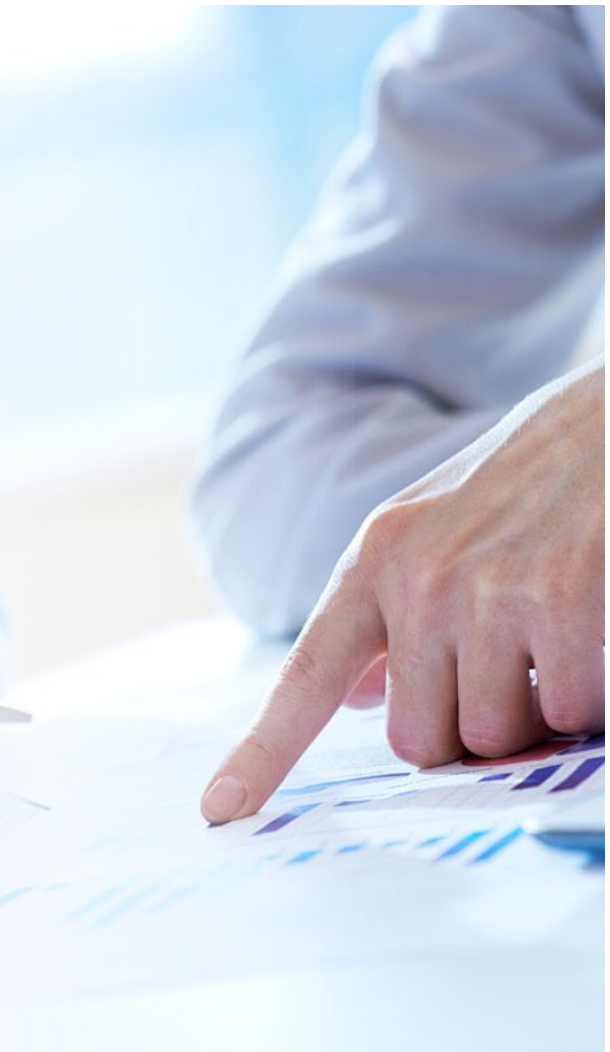
Trademarks through the Madrid System

20

Software copyrights

20

We have implemented hierarchical and classified patent protection, accurately identified core and important patents, and strengthened intellectual property layout in key technological fields such as green and low-carbon development and circular regeneration, providing solid support for technological innovation and product iteration.



Global intellectual property layout

In alignment with its global development strategy, Orinko has established an international intellectual property protection network. Leveraging the PCT international patent system, the Company has advanced the global layout of core technologies such as key new energy vehicle materials and other critical patents in the U.S., Europe and other major overseas markets, achieving global protection for core technologies.

Relying on the Madrid System for the International Registration of Marks, the Company has advanced the global registration of its core brands " 会通 " and "ORINKO". We have completed the filing and protection of multi-class trademarks across numerous countries worldwide, and strengthened intellectual property safeguards for overseas brands, developing intellectual property layout in step with global market expansion.

Intellectual property risk prevention and control

Orinko has developed a full-chain intellectual property risk prevention and control mechanism featuring "early warning, analysis, judgement and rights protection". For core technologies and products such as lithium battery separators and high-temperature polyamide fibers, the Company has conducted patent navigation and infringement early warning analysis, and compiled special navigation reports to effectively prevent intellectual property risks in international markets.

By advancing the transformation and application of high-value patents, we have deeply integrated core patented technologies into product R&D, production and market promotion, and converted technological advantages into product competitiveness and market advantages, maximizing the value of intellectual property.

Intellectual property honors and accolades

Boasting outstanding comprehensive strength in intellectual property, Orinko has been recognized as a National Intellectual Property Demonstration Enterprise, and honored "Outstanding Patent Award of China ", "Patent Silver Award of Anhui Province", and "Outstanding Patent Award of Anhui Province". Its subsidiaries have been granted "Intellectual Property Demonstration Enterprises of Guangdong Province" and "Intellectual Property Advantage Enterprises of Chongqing".

The Company has actively participated in the formulation and revision of industry standards, including 28 national standards, three industry standards and four group standards. We have translated core technologies such as green materials into industry standards, and enhanced industry influence and product credibility, driving high-quality and sustainable development of the new materials industry.

04 Industrial Co-construction

Adhering to the industrial co-construction philosophy of "customer priority, win-win cooperation", Orinko builds an industrial ecosystem featuring reliable quality, efficient supply chains and customer satisfaction, with product quality as the core cornerstone, supply chain collaboration as an important support, and customer service as a value bond. In 2025, the Company further advanced its practices in three major directions, namely quality control upgrades, supply chain resilience enhancement and customer value co-creation, and comprehensively strengthened its industrial collaboration capabilities, driving sustainable development of upstream and downstream industrial chains.

Product Quality and Safety

Adhering to the philosophy that "quality is our lifeline", Orinko has established a full-chain quality management system covering R&D, procurement, production, after-sales service, traceability and improvement procedures. Through system certification, full-process control implementation, optimized abnormality handling and in-depth quality enhancement, the Company ensures stable product quality and application safety, providing customers with high-quality and high-reliability material products.

Quality system and management

Quality system certification

The Company continuously operates and improves the ISO 9001 quality management system and the IATF 16949 automotive quality management system. In 2025, we successfully completed the audit in accordance with the IATF Rules 6th Edition, with the quality management capabilities in alignment with the latest international and industry requirements.

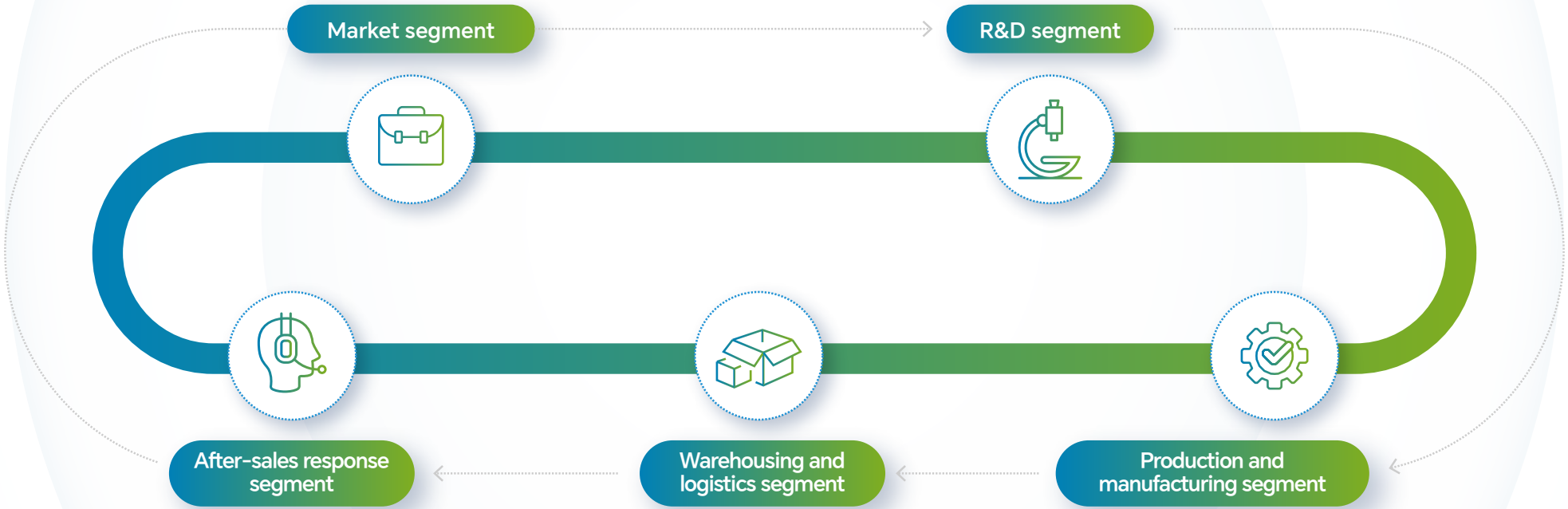
Quality performance management

The Company has established a hierarchical and categorized quality performance management system with quantitative assessment. We have integrated indicators such as the quality target achievement rate and the customer quality complaint rate into the annual performance appraisal of the management, raised the weight to 30% and directly linked them with remuneration and incentives. For front-line production employees, the first-pass yield and the quality defect rate have been set as core assessment indicators. In addition, we have put in place a monthly quality performance analysis meeting system to promptly address management weaknesses through data mining and root cause analysis.

Full-process quality control

The Voice of Customer (VOC) management system has been further optimized to comprehensively identify customer demands and pain points through regular customer visits, online surveys and joint technical seminars.

Quality Function Deployment (QFD) has been adopted to accurately translate customer demands into product design indicators, ensuring that R&D outputs align with market and customer expectations.



The customer quality feedback response process has been optimized to shorten the problem handling time from 48 hours to 24 hours. Meanwhile, a quality issue retrospective mechanism has been established to achieve closed-loop improvement across after-sales services, front-end R&D and production.

A "First In, First Out" (FIFO) monitoring mechanism has been developed to standardize product storage and circulation management, preventing quality issues caused by improper storage.

Quality control points for key processes have been refined. Besides, new procedures including real-time equipment parameter monitoring and triple first-article inspection have been added to reduce the risk of production process variation and stabilize process quality.

Product traceability management

Full-chain traceability framework

Orinko has built a full-lifecycle traceability system covering the entire process from raw material inbound to product delivery. The supplier management module establishes supplier quality archives to centrally manage information including raw material batches and quality inspection reports, making raw material sources traceable. The production process management module assigns a unique identifier to each product through "one item, one code" technology, recording full-process information from material feeding, processing and inspection to packaging. The warehousing and logistics management module applies barcode scanning and RFID technology to track product storage locations, inbound and outbound information, as well as transportation status in real time. And the after-sales management module features a product code inquiry function, so that customers can quickly access product production information, quality inspection reports and after-sales maintenance records.

Traceability technology application

We have adopted a combination of QR codes and RFID tags to achieve full coverage of "one item, one code" technology for all products. High-value and high-risk products are affixed with additional RFID tags to improve the efficiency of automatic identification and tracking in warehousing and logistics links. The "one item, one code" system has been fully deployed across all production workshops.

Traceability data value mining

We have established a traceability data analysis model to deeply mine full-lifecycle traceability data, aiming to quickly identify the root causes of quality issues, assess the raw material quality stability of suppliers, and optimize the supply chain structure. Meanwhile, we have provided customers with personalized product usage suggestions and after-sales solutions, driving dual improvement in quality and services through data empowerment.

Non-conforming product control and management

Identification and isolation

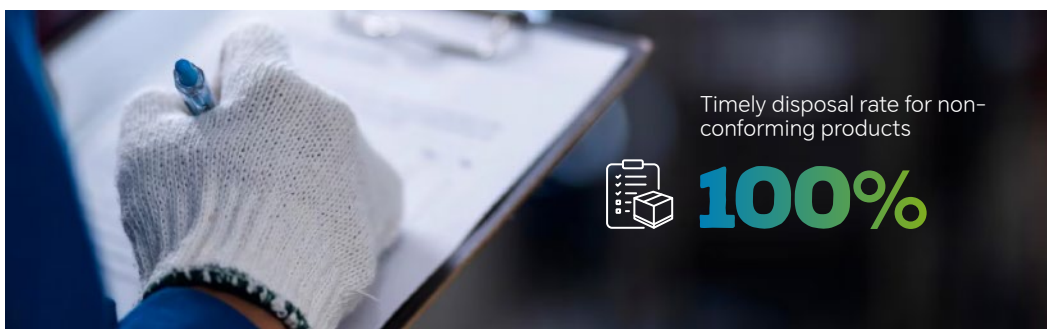
Once non-conforming products are identified in production, inspection and warehousing links, they are immediately labeled with red non-conforming marks and placed in isolation, and strictly prohibited from being mixed with qualified products. In 2025, no non-conforming products mistakenly entered the market.

Review and disposal

We have established a non-conforming product review team consisting of quality, production and R&D personnel, and formulated disposal measures based on the severity of non-conformities (namely minor, general, and critical). Minor non-conforming products such as slight appearance defects may be concession accepted by concession upon customer confirmation. General non-conforming products whose performance is close to specifications are reworked and reinspected. Critical non-conforming products that fail to meet performance specifications are directly scrapped.

Recording and analysis

We have established a non-conforming product ledger to record the causes, disposal process and results of non-conforming products. Besides, we have set up a non-conforming product database for regular statistical analysis, and formulated preventive measures to prevent the recurrence of similar issues, achieving a 100% timely disposal rate for non-conforming products.



Product quality enhancement initiatives

Regularized quality improvement activities

Orinko has established a cross-departmental quality improvement committee led by the General Manager, and built a comprehensive quality management system involving R&D, production, procurement, sales and after-sales departments. The Company has carried out cultural construction activities such as quality month-themed promotions, quality knowledge contests, and quality model selection, achieving full coverage of quality culture among all employees and comprehensively enhancing their overall quality awareness.

Quality culture and training implementation

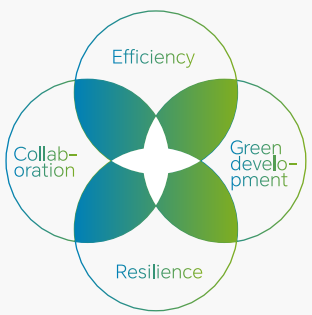
The Company has increased investment in quality information technology, upgraded the Quality Management System (QMS), and introduced Internet of Things (IoT), big data and artificial intelligence technologies, realizing real-time collection, analysis and early warning of quality data. We have deployed smart sensors in production workshops to monitor equipment operation parameters and product quality characteristics in real time, with automatic early warnings triggered when data exceeds thresholds. We have also developed a mobile quality application, which enables employees to report quality issues in real time, query quality standards and access quality training courses, thereby comprehensively improving quality management efficiency.

Quality empowerment through echnological upgrades

The Company has introduced lean tools such as Six Sigma, 5S Management and Total Productive Maintenance (TPM), cultivated in-house lean quality professionals, and launched lean quality improvement projects. We have further advanced 5S on-site management to comprehensively optimize production and office environments and boost production efficiency. We have also implemented full-lifecycle equipment management under the TPM framework, established equipment management files, and carried out autonomous maintenance and planned maintenance, thereby improving overall equipment effectiveness. In brief, lean improvement delivers cost reduction, efficiency gains and product quality upgrades.

Supply Chain Management

Orinko takes "efficiency, collaboration, green development and resilience" as its supply chain management objectives. Through full-lifecycle supplier management, quality control and empowerment improvement, and supply chain security and resilience assurance, the Company has built a symbiotic supply chain ecosystem with upstream and downstream partners, ensuring stable and efficient supply chain operation, and supporting its global business development.



Full-lifecycle supplier management

Orinko has established a full-lifecycle supplier management system featuring a closed-loop process covering onboarding, assessment, review and exit. Taking compliance qualification, quality assurance, delivery capability and cost competitiveness as core control dimensions, the Company has fully standardized the entire supplier management process.

Supplier onboarding

Under a standardized onboarding and review mechanism, we have strictly followed onboarding procedures including qualification verification, on-site assessment and sample validation, focusing on suppliers' production capacity, quality management and control system, compliance qualifications and social responsibility performance. For suppliers of special categories, we have also strengthened special qualification reviews to select high-quality and compliant partners from the source.

Supplier assessment and performance appraisal

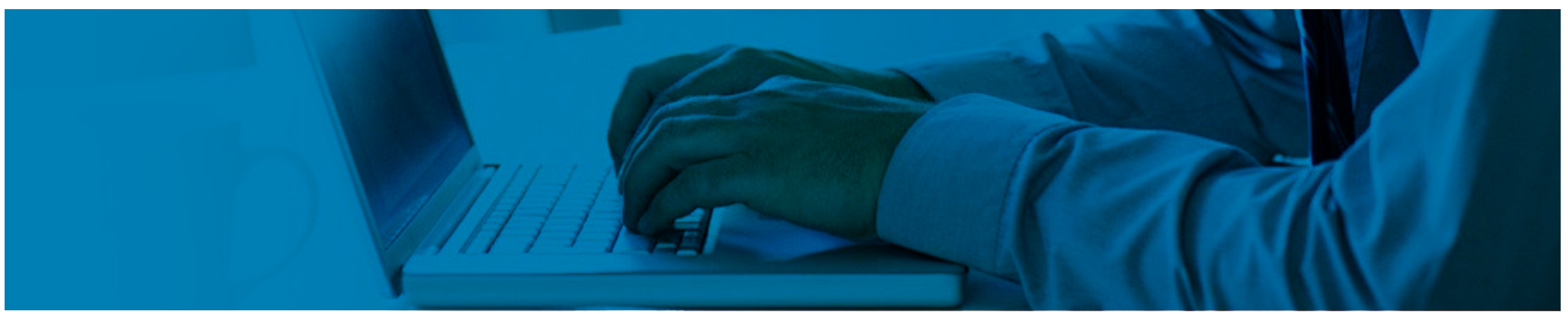
With a regularized and quantified supplier performance appraisal system, we have defined quality performance, on-time delivery rate, cost competitiveness and collaboration readiness as core assessment indicators. Adopting an assessment mechanism of monthly monitoring, quarterly rating and annual review, we have determined performance ratings through systematic data calculation, providing an objective basis for cooperation strategy adjustment and order allocation.

Supplier process review

In a combined model of routine and special reviews, we have conducted on-site reviews, document reviews and quality audits according to industry standards and internal control requirements. Leveraging professional review tools, we have improved review accuracy and fully identified potential risks in suppliers' production, quality and compliance procedures.

Supplier elimination and exit

Under a strict performance-driven supplier exit mechanism, we have promptly terminated cooperation with suppliers that fail to meet performance criteria or pass reviews, with ineffective rectification or compliance and integrity risks. Meanwhile, we have updated the name list of qualified suppliers to continuously optimize the supplier structure.



Supplier quality control and empowerment

Procurement quality control

Orinko improves its procurement quality control system, strengthens awareness of the quality bottom line, unifies internal material quality standards, and strictly implements full inspection and testing upon material warehousing. The Company has established a traceable, reviewable and closed-loop management mechanism for quality non-conformities to steadily raise the incoming material quality conformance rate.

Supplier quality empowerment

Based on performance appraisal and review outcomes, the Company has delivered targeted quality empowerment and on-site guidance to suppliers. By addressing key issues such as material properties, appearance defects and impurity control, we have helped suppliers optimize production processes and quality control procedures, so as to elevate their overall quality control capability.

Supply chain security and resilience

Diversified supply backup

Orinko has established a backup supplier system with three or more qualified suppliers for all types of materials, and prioritized the layout of localized, domestic and platform-based supply resources, fully guaranteeing timely material delivery and mitigating the risk of supply disruption.

Compliance and risk agreements

The Company has signed risk commitment letters, integrity agreements and quality agreements with all cooperative suppliers to clarify the rights, obligations and compliance requirements of both parties, embedding risk prevention and control, integrity management and quality compliance constraints into the entire cooperation lifecycle.

Customer Services

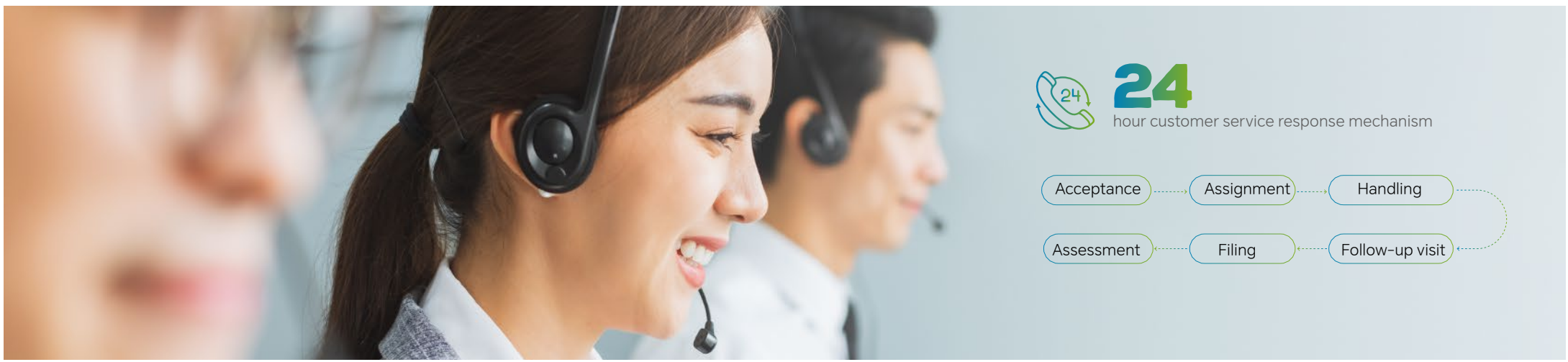
Adhering to the core value of customer priority, the Company focuses on customer proximity, efficient response, closed-loop resolution and continuous optimization, and keeps improving its customer service and after-sales support system. Through localized services, standardized customer complaint procedures, digital system upgrades and Voice of Customer (VOC) management, we have comprehensively elevated service quality and customer satisfaction, providing customers with full-lifecycle, high-efficiency material service support.

Customer service system development

In 2025, Orinko further developed and upgraded its customer service system, optimizing the service framework around three core priorities, namely localized services, standardized service procedures and collaborative services. Through localized management layout, the Company empowered service teams to maintain close customer proximity, strengthened local market presence, shortened service response time and enhanced service engagement efficiency. Meanwhile, we standardized customer complaint handling procedures, clarified standard operating specifications for all service links, established a cross-departmental collaborative service mechanism, and integrated pre-sales, in-sales and after-sales service chains, forming a unified, efficient and standardized customer service management system.

After-sales response and customer complaint management

The Company strictly implements a 24-hour customer service response mechanism, as well as closed-loop management for full-chain customer complaint handling procedures covering "acceptance, assignment, handling, follow-up visit, filing, and assessment". For issues raised by customers, we uphold the principle of first-contact accountability and time-bound closure, and adopt a service model of proactive after-sales support and active follow-up visits, ensuring rapid response to customer requests and efficient resolution of customer requests. All customer complaints are tracked throughout the entire process with controllable key nodes, traceable problem resolutions and assessable service performance. From issue initiation to closed-loop settlement, the full process is streamlined to ensure proper handling of all customer requests.



Digital customer services

In 2025, Orinko fully implemented the full-chain ITR (Issue to Resolution) customer complaint handling system, covering process design, internal pilot rollout and launch of the digital MIP system, achieving the transformation of customer complaint management from offline manual workflows to online digital management. Meanwhile, the Company launched a scoring and assessment mechanism upon closure of ITR customer complaint work orders to realize online circulation of work orders, transparent disposal nodes, standardized service procedures and quantifiable assessment results. The digital tools help standardize service practices and elevate process efficiency, making the entire customer service process monitorable, assessable and optimizable.

Enhanced customer service effectiveness

Through service system upgrades, process optimization and digital implementation, the Company has achieved a marked improvement in customer service effectiveness. In 2025, the closed-loop rate of customer complaint procedures reached 95%, the filing compliance rate of customer complaint work orders stood at 85%, and the overall customer service satisfaction score hit 4.4 out of 5.0. In an actual service case, we addressed production line quality issues of a key customer through the ITR closed-loop system, achieving one-hour rapid response, root cause identification within 24 hours, as well as rectification and product delivery within 48 hours, ultimately receiving a full score from the customer, which fully validates the practical capability and service value of the customer service system.

Closed-loop rate of customer complaint procedures

95%

Filing compliance rate of customer complaint work orders

85%

Overall customer service satisfaction score

4.4

Voice of Customer (VOC) and service philosophy

With transformation and connectivity as the focus, Orinko turns Voice of Customer (VOC) into its corporate service assets. By collecting, organizing and analyzing customer feedback and service requests, the Company drives product optimization, process refinement and service upgrades in a closed-loop manner. We have continuously accumulated typical customer service cases and solutions, and translated customer requests into the core basis for product iteration, quality enhancement and service optimization, fostering a virtuous cycle of "customer feedback, internal improvement, and service upgrades", better aligning with customer expectations, improving service adaptability, and embedding the customer-centric service philosophy into daily operations.

05 Corporate Governance

Orinko upholds the governance philosophy of honesty and transparency, compliance and efficiency, as well as clear division of power and responsibilities. Guided by the revised Company Law, the Guidelines for the Articles of Association of Listed Companies and the regulatory rules of STAR Market, the Company continuously optimizes its corporate governance structure as a listed company, strengthens the oversight effectiveness of internal audit, and reinforces the line of defense for business ethics and anti-fraud management. We have established a modern governance system featuring scientific decision-making, robust implementation and effective supervision, effectively protecting the legitimate rights and interests of the Company, its shareholders and stakeholders, and laying a solid governance foundation for sustainable development.

Governance System of the Listed Company

In 2025, in alignment with evolving regulatory policies and its own strategic development requirements, Orinko systematically advanced the optimization of its governance structure, standardized the operation of governance bodies, enhanced the quality and efficiency of specialized committees, and refined investor communication and information disclosure mechanisms, further elevating governance standardization, professionalism and transparency as a listed company.

Optimization of governance structure

Restructuring in compliance with new regulatory rules

In strict compliance with the revised Company Law and the governance reform requirements for listed companies, the Company restructured its core governance framework. Specifically, we abolished the Board of Supervisors, smoothly transferring all its supervisory duties to the Audit Committee under the Board of Directors. We also amended the Articles of Association, clarifying the specific procedures and boundaries of powers and responsibilities for the Audit Committee to exercise statutory supervisory authority. In addition, we officially renamed the original "general meeting of shareholders" as the "shareholders' meeting", and duly revised the rules of procedure of the shareholders' meeting, ensuring the governance structure is fully aligned with the latest regulatory requirements.

ESG integration into corporate governance

To advance the implementation of its sustainable development strategy, the Company officially renamed the former "Strategy and Development Committee" as the "Strategic Development and ESG Committee", revised the committee's working rules, explicitly incorporated sustainable development strategy and ESG information disclosure into the decision-making agenda of the Board of Directors, achieving in-depth coordination of ESG management, corporate planning and operational decision-making.

Standardized operation

In strict compliance with laws and regulations, the Articles of Association and the rules of procedure, Orinko standardizes the summoning, notice issuance, deliberation, voting and document filing procedures of the shareholders' meeting, as well as the meetings of the Board of Directors and specialized committees, ensuring compliant meeting proceedings as well as efficient decision-making.

Shareholders' meeting	In 2025, the Company convened two shareholders' meetings according to applicable regulations, including one annual meeting of shareholders and one extraordinary meeting of shareholders, fully safeguarding all shareholders' equal rights to information, voting and proposal, and respecting the legitimate rights and interests of minority shareholders.	Shareholders' meetings convened according to regulations **2**
Meeting of the Board of Directors	Throughout the year, the Board of Directors held 11 meetings according to applicable regulations, at which all directors performed their duties in a faithful, diligent and prudent manner, and conducted comprehensive deliberation on core proposals concerning the Company's operation and management, major investments and governance optimization, effectively steering the Company's development direction.	Meeting of the Board of Directors convened according to regulations **11**
Meetings of special committees	In the same year, special committees held 13 meetings according to applicable regulations, at which all committees fulfilled their respective responsibilities and duties with professional rigor, and gave full play to professional governance effectiveness, focusing on core matters such as strategic decision-making, risk control and compliance supervision.	Meeting of special committees convened according to regulations **13**

Special committees under the Board of Directors

The Board of Directors has four special committees, namely the Audit Committee, the Strategic Development and ESG Committee, the Nomination Committee, and the Remuneration and Assessment Committee. Each committee performs its duties independently and provides professional support, forming a specialized decision-supporting system covering strategy, supervision, talent development, incentive management and sustainable development.

The Audit Committee

In 2025, the Audit Committee held eight meetings in strict compliance with quarterly duty performance requirements to conduct prior review of key matters such as financial statements and appointment of external auditors, and coordinate financial supervision, internal control review and compliance management, strengthening the Company's risk control and financial governance effectiveness.

The Strategic Development and ESG Committee

Throughout the year, the Strategic Development and ESG Committee held two meetings for special deliberation on matters including the implementation of the Company's ESG strategy, sustainable development goals and major cross-border investments, guiding the Company's green and low-carbon transition and high-quality development.

The Nomination Committee, and the Remuneration and Assessment Committee

In the same year, the two committees held one meeting and two meetings respectively to standardize the nomination of senior executives, qualification review, deliberation of remuneration proposals and performance appraisal, improving talent selection, appointment, incentive and restraint mechanisms.

Investor relations management

Adhering to the principles of compliance, equality and initiative, Orinko has established multi-channel, full-coverage and high-efficiency investor communication mechanisms to safeguard investors' right to know, right to participate and right to supervise.

Communication channels

We have established an online-offline integrated communication system to fully respond to investor demands through channels including SSE E-Interactive, investor hotline, dedicated email, official WeChat account for investor relations, field survey and performance presentation. In 2025, the official WeChat account for investor relations released 72 posts, regularly delivering the Company's operational updates and ESG achievements.

Regular mechanisms

In 2025, we held three performance presentations to address 39 investor concerns, and responded to 110 investor enquiries through the SSE E-Interactive platform, achieving rapid response and effective feedback on investor demands, and building a bridge of trust between the Company and investors.

Compliance information disclosure

In strict accordance with the Administrative Measures for Information Disclosure of Listed Companies and the regulatory requirements of SSE, Orinko upholds the disclosure principles of authenticity, accuracy, completeness, timeliness and fairness, and has established a sound information disclosure management system.

In 2025, the Company issued a total of 86 disclosure announcements, including four regular reports and 82 non-regular reports, to disclose major information relating to operation, corporate governance, investment and compliance in a comprehensive and standardized manner, without any selective disclosure or delayed disclosure, effectively protecting all investors' equal right to information.

Disclosure announcements issued

86

Including Regular reports

4

Non-regular reports

82

Internal Audit

In 2025, under the professional guidance of the Board of Directors and the Audit Committee, Orinko refined its audit system, focused on the audit of core businesses, and strengthened closed-loop management for rectification. The Company gave full play to the supervisory, assessment and value-adding roles of internal audit in corporate governance, supporting its compliant operation and risk control.

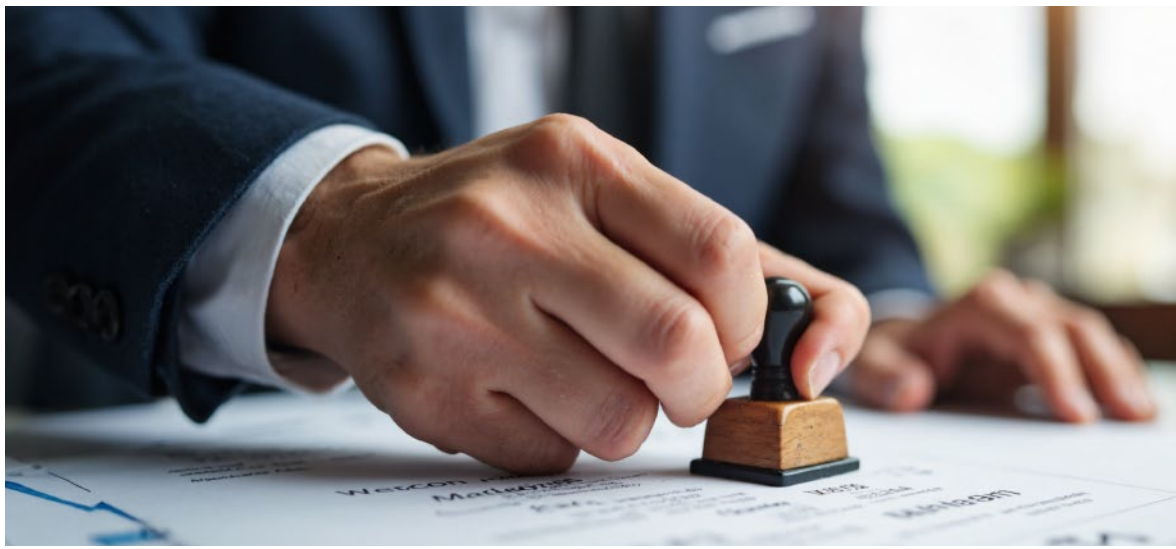
Development of internal audit systems

In light of the regulatory requirements for STAR Market-listed companies, the provisions of the revised Company Law and the Company's actual business development, the Company has led the revision and improvement of three systems, consolidating the institutional foundation for internal audit work.

The Audit Committee Management Measures have been revised to clarify the responsibility boundaries and rules of procedure of the Audit Committee, as well as the guidance and supervision mechanisms for internal audit, strengthening the overall planning and guiding role of top-level governance over audit work.

The Internal Audit Management System has been revised to systematically standardize the functional positioning, authority, workflows and rectification follow-up mechanism for internal audit, ensuring audit work is independent, compliant and professional.

The Anti-Fraud Management System has been improved to optimize fraud risk identification, report acceptance, investigation and disposal, and accountability mechanisms, providing institutional safeguards for the Company's anti-fraud efforts.



Internal audit work

Focusing on the Company's operational priorities and key risk control links, we have conducted full-coverage internal audits spanning core areas such as internal control compliance, operational accountability, cost control and anti-fraud management.

Special audit on operational accountability

Centering on operational accountability targets, we have conducted systematic reviews of the authenticity of operational indicator attainment, resource utilization efficiency, authorization execution compliance and internal control effectiveness, providing an objective basis for the management to evaluate operational performance and optimize the assessment mechanism.

Full-process audit of internal control cycles

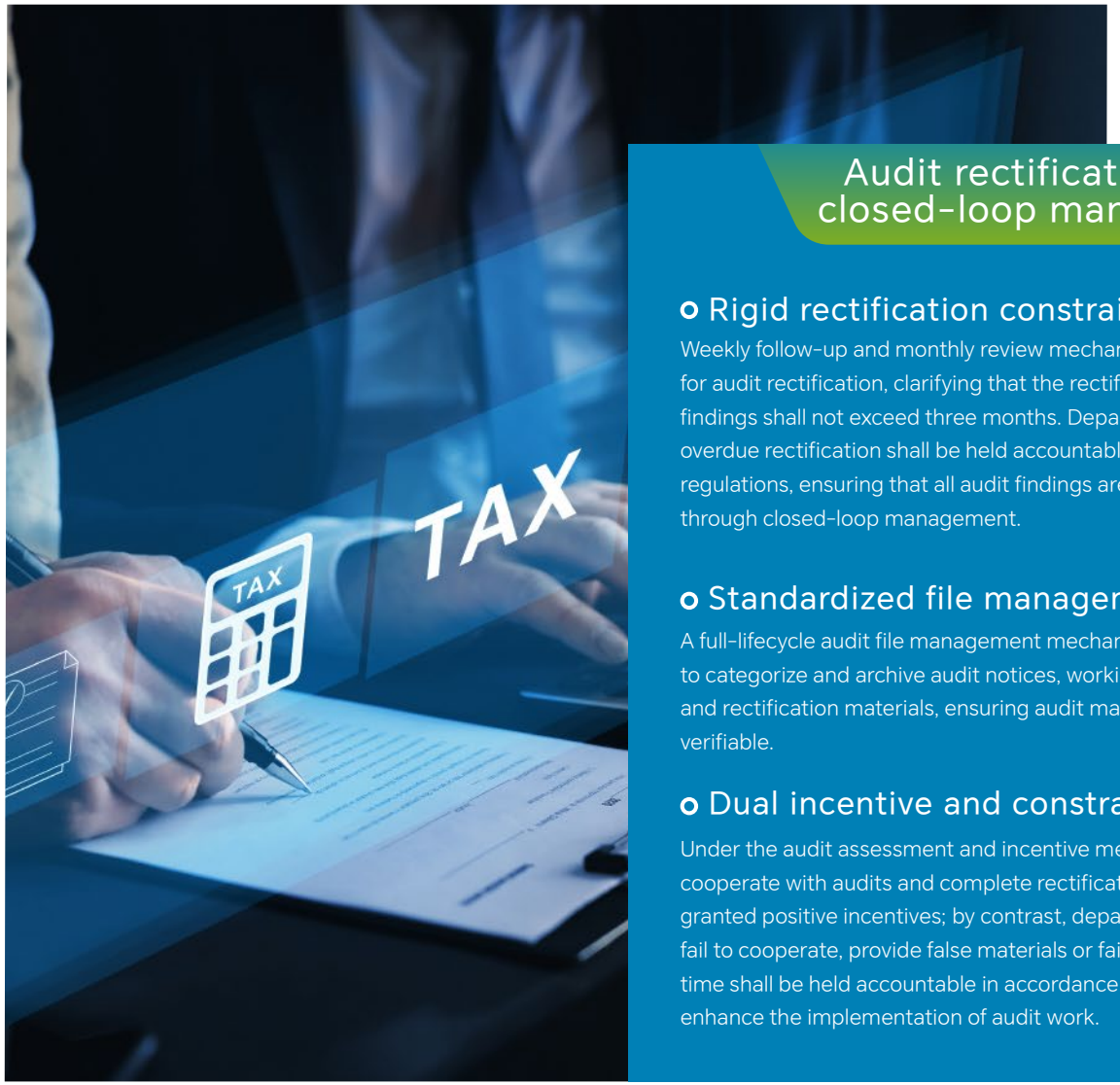
Focusing on its core business processes, Orinko has conducted audits across four major cycles. Specifically, the sales and collection cycle audit mainly verifies income confirmation, receivable management and credit risk prevention and control. The procurement and payment cycle audit focuses on procurement compliance, payment procedures and cost accounting. The production and warehousing cycle audit reviews production control, inventory safety and material circulation. And the expense cycle audit oversees budget implementation, expense compliance and invoice authenticity. These internal audits identify internal control deficiencies and optimize business procedures.

Operating cost reduction and efficiency enhancement audit

Guided by value creation, the Company has carried out special audits on weak links in cost control such as procurement, production and expense management to tap cost-saving potential and put forward optimization suggestions, thereby improving resource allocation efficiency and operating benefits.

Collaborative anti-fraud audit

The Company regards fraud risk identification as a key focus of routine audits, focusing on fraudulent acts such as asset misappropriation, interest conflicts, irregular transactions and abuse of power, realizing the organic integration of audit supervision and anti-fraud prevention and control.



Audit rectification and closed-loop management

Rigid rectification constraints

Weekly follow-up and monthly review mechanisms have been established for audit rectification, clarifying that the rectification period for audit findings shall not exceed three months. Departments with inadequate or overdue rectification shall be held accountable in accordance with regulations, ensuring that all audit findings are properly implemented through closed-loop management.

Standardized file management

A full-lifecycle audit file management mechanism has been established to categorize and archive audit notices, working papers, audit reports and rectification materials, ensuring audit materials are traceable and verifiable.

Dual incentive and constraint mechanisms

Under the audit assessment and incentive mechanism, teams that fully cooperate with audits and complete rectification with high quality are granted positive incentives; by contrast, departments and individuals that fail to cooperate, provide false materials or fail to complete rectification on time shall be held accountable in accordance with regulations, so as to enhance the implementation of audit work.

Business Ethics

Adhering to the core value of honesty, pragmatism, integrity and self-discipline, as well as the principles of simultaneous punishment and prevention, prevention priority, informant protection and investigation recusal, Orinko has established a business ethics and anti-fraud management system featuring "sound systems, cultural guidance, internal control and risk prevention, full-employee coverage and strict accountability". The Company comprehensively guards against risks such as commercial bribery, interest diversion, fraud and irregularities, fostering a clean and upright business environment.

Anti-fraud system development

In 2025, the Company revised and promulgated the new version of the Anti-Fraud Management System, building a company-wide and full-process anti-fraud framework. The Audit Team of the Audit and Legal Service Center is designated as the permanent executive body for anti-fraud management, independently conducting relevant work under the leadership of the Board of Directors and the Audit Committee. And all department heads are clearly defined as the primary persons responsible for anti-fraud management within their respective departments, forming a top-down and fully coordinated anti-fraud accountability system.

Integrity culture cultivation and promotion

Leadership and demonstration by senior executives

The Company's directors and senior executives have set a good example by strictly complying with integrity practice regulations and adhering to the professional ethics of honesty and impartiality, thereby guiding all employees to foster awareness of integrity and compliance.

Hierarchical and categorized training and promotion

The Company has conducted special training on anti-fraud regulations to interpret their core connotations, code of conduct, prohibited acts and disposal procedures. All departments are required to carry out internal promotion at the secondary organizational level to clarify advocated behaviors, prohibited conducts and consequences of violations, achieving full-employee coverage of integrity culture.

New employee compliance orientation

The Company has incorporated learning of anti-fraud regulations into compulsory onboarding courses for new employees, and arranged special examinations to strengthen their compliance bottom-line awareness at the source.

Signing of integrity agreement

Orinko has developed a two-way integrity constraint mechanism covering employees and suppliers to achieve full-chain coverage of integrity responsibilities.

For employees

The Human Resources Department arranges all new employees to sign the Integrity and Self-discipline Agreement, which integrates integrity and self-discipline requirements into the entire process of employee onboarding and daily duty performance, and strengthens the integrity and self-discipline awareness among all employees, consolidating the first line of defense for internal integrity risk prevention and control.

For suppliers

The Supplier Management Department organizes all external suppliers to sign the Integrity Cooperation Agreement, which achieves full coverage of integrity constraints for external partners, clarifies the integrity cooperation criteria for both suppliers and purchasers, and prohibits improper acts such as commercial bribery and interest diversion, preventing supply chain fraud risks at the source.

Internal control and risk prevention measures

Centering on "internal checks and upfront risk control", the Company has established multiple internal control and risk prevention measures for anti-fraud management.

Separation of incompatible duties

All economic transactions have been handled by two persons or two departments, forming a control mechanism with mutual supervision and restraint.

Authorized review and approval control

The Decentralization Manual has been revised regularly to review and approve all business activities in strict accordance with hierarchical authority, preventing approval exceeding authority and non-compliant approval.

Declaration of interest conflicts

A mandatory interest conflict declaration mechanism has been established to conduct quarterly interest conflict reviews for key positions, requiring employees to promptly declare potential interest conflicts with their related parties and the Company.

Information and intellectual property protection

Trade secret and confidential information management has been standardized to guard against information leakage and unfair competition acts.

Reporting channels and informant protection

The Company has set up dedicated and confidential fraud reporting channels and strictly implemented the informant protection mechanism.

Telephone: 18355099271

Email: audit@orinko.com.cn

Mailbox: Audit and Legal Service Centre in the Office Building at the northwest corner of the intersection of Changning Avenue and Ningxi Road, Baiyan Industrial Park, Hefei High-tech Zone

Any reports will be submitted to the Audit Committee within two working days upon acceptance. Both real-name and anonymous reports will be verified in accordance with regulations. The Company strictly prohibits any organizations or individuals from retaliating against informants and investigators. Violators will be given disciplinary sanctions such as warning or dismissal depending on the circumstances; those violating laws shall be transferred to judicial authorities.

Information Security

Orinko attaches great importance to information security and data privacy protection, and incorporates information security governance into the core scope of standardized operation. The Company has set up a dedicated information security engineer position, built a full-scenario security protection system covering five dimensions, namely network, host computers, applications, data and operation, and developed a series of policies including the Information Security Management Measures and the Data Center Management Measures to fully safeguard the Company's information systems, business data and customer privacy security, consolidating the security line of defense for digital operations.

Network security protection

Focusing on boundary defense and behavior control, Orinko has established a robust network security barrier.

- High-performance firewalls have been deployed at the Company's network boundary to monitor and filter network traffic in real time, and accurately intercept malicious attacks, illegal intrusions and unauthorized access, protecting internal network and system security.
- An Internet behavior management system has been implemented to standardize employees' network usage behaviors, and mitigate virus intrusion and information leakage risks caused by irregular internet access and malicious downloads.
- Sangfor VPN has been adopted for security control over remote access. Encrypted dedicated access channels have been established to strictly restrict access permissions, ensuring network security for remote work and cross-regional collaboration and preventing information leakage.

Host computer control

Focusing on terminal and server security, Orinko implements full-life-cycle security management for all host computers.

- Antivirus software has been uniformly installed on all employees' terminals and core servers, with an automatic updating mechanism for virus databases, to perform real-time detection and removal of viruses, Trojans and malware and defend against attacks from various malicious programs.
- Under centralized domain controller management, high-complexity passwords and a 5-minute automatic screen lock policy have been mandated to strengthen account security control and prevent unauthorized logins and privilege escalation.
- A desktop protection system with desktop watermarks has been deployed to effectively prevent screenshots and unauthorized replication and dissemination of classified information, thereby safeguarding core business information security.
- The decommissioned IT asset disposal process has been standardized to irreversibly erase data from end-of-life computers, servers and other equipment prior to unified handling, completely eliminating the risk of data leakage arising from discarded devices.

Application security control

Centering on vulnerability control and permission management, the Company ensures the compliance and security of business applications.

Under a closed-loop mechanism of "scanning, verification, rectification and review", regular vulnerability scanning has been performed on application systems to remediate system vulnerabilities in a timely manner and mitigate potential security risks.

In strict compliance with the immediate access permission revocation mechanism for departed employees, access permissions to all business systems have been synchronously deactivated in line with the resignation procedures to prevent risks of unauthorized access and data exfiltration by former employees.

A unified identity authentication platform has been launched to implement refined access permission control over core business systems such as ERP, MES and QMS, and allocate access permissions in accordance with the principle of least privilege, so that employees can only access work-required resources.

Data security assurance

Orinko has established a full-process data security management system to safeguard its core data assets.

The Company formulates a classified data backup strategy. Daily full backup is adopted for key system databases, while daily incremental backup and weekly full backup are applied for business application data, ensuring data integrity and recoverability.

Professional data backup software is deployed to store backup data on independent and secure backup servers, realizing physical isolation between production data and backup data and enhancing data disaster recovery capabilities.

We have standardized the full-process management of data storage, transmission and usage, strengthened encrypted protection for confidential data, and strictly controlled permissions for data export and replication, preventing data tampering, loss and leakage.

Security operations management

The Company has developed a regular security operation mechanism to realize dynamic management and control of security risks.

We have monitored industry vulnerability intelligence in real time, conducted internal system inspection and timely remediation to promptly patch known security vulnerabilities and defend against emerging cyber security threats.

We have monitored security log alerts on a 24/7 basis, and developed a closed-loop process covering alert response, incident disposal, review and optimization, ensuring early detection and rapid response to security incidents.

We have standardized handling procedures for security incidents such as virus infections and malicious attacks, activated emergency responses upon occurrence, and carried out root cause analysis, problem rectification and preventive enhancements to avoid the recurrence of similar incidents.

Digital Construction

Adhering to the digital and intelligent development strategy, Orinko embeds digital construction in production operations, quality management, supply chain management and decision support. The Company has built a digital control system covering the entire business process, and developed intelligent, visual and efficient smart factories to empower management efficiency, quality upgrades and sustainable development through digital transformation.

Integrated construction of manufacturing platform

We have established a unified manufacturing management platform to deliver digital control over the entire production process.

Under unified MES and TMS standards, the four bases have integrated data from production, warehousing and logistics systems, and linked data covering work orders, materials, production reporting and traceability, achieving transparent management of the entire manufacturing and logistics process.

The platform realizes real-time collection, analysis and early warning of production data, and optimizes production scheduling and resource allocation, enhancing production efficiency and product delivery stability significantly.

Digital construction for warehousing management

Orinko has developed an intelligent inventory management platform to achieve refined and efficient warehousing operations.

A digital inventory management system is launched to cover full links such as purchase arrival, inventory transfer, outbound shipment and storage location statement, realizing real-time accurate inquiry and dynamic update of inventory data.

A pull production mode is adopted to improve warehouse space utilization and material turnover efficiency through scenarios such as direct material delivery to workshops, AGV line-side distribution and dynamic inventory counting.

Upgrades of visual logistics management

Orinko has established a full-process visual logistics management platform to realize precision control over the logistics process.

The Company has launched a shipment and in-transit monitoring system for overall visual management over the logistics process through functions such as arrival scheduling, in-transit monitoring, automated charging and order visualization, improving logistics delivery controllability and customer service response speed. Meanwhile, we have deployed the customer self-service ordering platform to optimize customer service experience and lower manual intervention.

Smart factory operation

The Company has built full-dimensional visual factory operation capabilities at its benchmark factory in Hefei.

We have established a factory-level big data center with 23 visual dashboards across eight modules including production, quality, warehousing, equipment, safety and environmental protection to support real-time display of key indicators and early warning of abnormalities, advancing the transformation from "experience-based" to "data-based" management.

Visual dashboards deployed

23

Cutting-edge technological exploration

Orinko vigorously advances the deployment of cutting-edge technologies such as artificial intelligence and intelligent interaction, ushering in a new model of digital office and intelligent manufacturing.

The Company has rolled out scenario-based applications of AI-powered intelligent assistants, covering nine major scenarios including intelligent inventory inquiry, IT knowledge base, yellow card assistant, Orinko GPT and translation assistant, comprehensively improving employees' work efficiency across all functions.

Marketing terminals enable real-time inventory inquiry and intelligent product recommendation. Planning personnel can retrieve inventory data in one click through AI-powered Q&A. On the manufacturing front, AI is preliminarily applied to process analysis and production line fault detection, while digital employees are deployed to reduce manual intervention.

We have built an AIGC-driven bulk commodity market analysis system that facilitates automated raw material price data collection, self-service analysis and market trend forecasting, thereby enhancing the scale efficiency of centralized procurement.

Achievements in digital construction

Following its comprehensive digital transformation, the Company has made remarkable achievements in efficiency improvement, cost control and model innovation and received numerous national and provincial honors and awards.

Efficiency improvement

Digital tools break down business silos and eliminate redundant processes, boosting efficiency across production, warehousing, logistics and office operations significantly.

Cost control

Data-driven precision management delivers efficient allocation of resources including energy, materials and manpower, bringing down operating costs effectively.

Honors and awards

We have been accredited as "Advanced Intelligent Factory in Anhui" and "Basic Intelligent Factory in Chongqing", and selected into "Pilot Urban Construction Policy Programs for Digital Transformation of SMEs in Hefei". Our achievements in digital construction have earned high recognition from industry and regulatory authorities.

06 Low-Carbon Transition

Guided by China's national "dual carbon" strategy, Orinko deeply integrates ESG principles with low-carbon transition practices, embedding carbon neutrality goals throughout the entire value chain, including R&D innovation, manufacturing, supply chain collaboration, product application, and recycling and regeneration. The Company focuses its efforts on four key areas: technological innovation, green smart manufacturing, full-chain carbon management, and global compliance, continuously advancing its low-carbon transition initiatives. At the same time, leveraging circular economy as a key driver, Orinko has built a fully integrated recycled materials value chain from recycling to regeneration and high-value application, and established a full life-cycle low-carbon industrial ecosystem spanning material R&D, production operations, and end-of-life recycling. Through its own low-carbon practices, the Company enables coordinated carbon reduction across its upstream and downstream value chain, contributing to global sustainable development and the realization of China's "dual carbon" goals.

Carbon Neutrality Strategic Actions

In 2025, guided by China's "dual carbon" strategy and its own low-carbon transition needs, Orinko systematically advanced carbon neutrality governance and carbon emissions management, and established a robust carbon information disclosure mechanism, comprehensively enhancing the professionalism of its carbon neutrality practices.

Carbon Neutrality Strategic Directions

Green Innovation and Upgrading

With R&D innovation as the core engine of its low-carbon transition, the Company focuses on continuous breakthroughs in low-carbon technologies such as bio-based materials, post-consumer recycled (PCR) plastics, lightweight engineering plastics, and halogen-free flame-retardant materials. Green design principles are deeply integrated into the entire process of product R&D, formulation design, and process optimization. Targeting downstream low-carbon application scenarios such as new energy vehicles, photovoltaic energy storage, high-end home appliances, and telecommunications and electronics, Orinko develops customized green material solutions featuring low energy consumption, low emissions, and high reliability. These efforts reduce product carbon footprint across the entire lifecycle, starting from raw material sourcing, address the industry's low-carbon transition challenges through technological innovation, promote the substitution of traditional high-carbon materials with green alternatives, and support downstream customers in achieving both lightweighting and carbon reduction objectives.

Green Production and Operations

Anchored in green factory development, the Company fully implements the ISO 50001 energy management system and cleaner production standards. Through a combination of distributed photovoltaic deployment, renewable electricity procurement, intelligent energy efficiency management, process innovation, and energy-saving equipment retrofits, it continuously reduces energy consumption and greenhouse gas emissions in production activities. Orinko has built an intelligent, low-carbon, and intensive green manufacturing system, driving the transformation of production processes from high energy consumption and high emissions to low energy consumption, low emissions, and high efficiency, thereby achieving coordinated development between production operations and ecological protection.

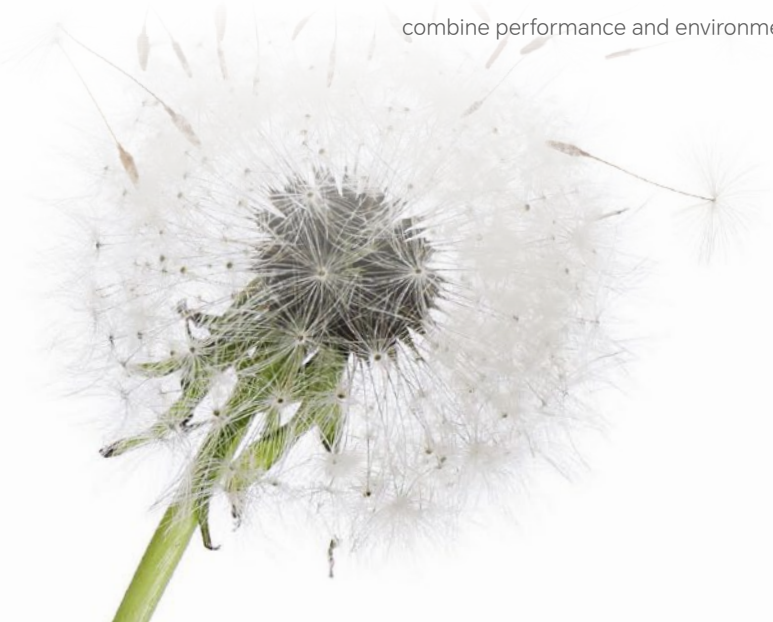
Full Value Chain Carbon Management

Orinko has established a dual-dimension closed-loop carbon management system covering organizational carbon emissions monitoring and product carbon footprint accounting. In strict accordance with international standards such as ISO 14064 and ISO 14067, the Company conducts comprehensive greenhouse gas inventories across its production bases and full life-cycle carbon accounting for products, and has developed a standardized carbon database and end-to-end traceability platform. Carbon management is fully integrated into R&D, procurement, production, logistics, and recycling processes, ensuring carbon emissions are measurable, quantifiable, traceable, and reducible, and leveraging accurate carbon data to support low-carbon decision-making and performance management.

Carbon Neutrality Actions

Green Design

Green design is embedded throughout the entire lifecycle of material R&D, supported by Life Cycle Assessment (LCA) tools for full-process eco-design and environmental impact assessment. In 2025, Orinko provided carbon accounting services for more than 200 products. It successfully developed a range of green materials, including bio-based nylon, paint-free PC alloys, recyclable thermoset epoxy resins, and high-wear-resistant PEEK. Through technological pathways such as plastic substitution for steel, paint-free solutions, and recycling and regeneration, the Company has significantly reduced carbon emissions. Green design is driving the low-carbon transition across the entire industry chain and providing downstream industries with sustainable material solutions that combine performance and environmental value.



Green Smart Manufacturing

Green factory development

Orinko continues to advance green factory development. In 2025, the Anqing factory was recognized as a provincial-level green factory in Anhui Province, and the Chongqing factory was recognized as a municipal-level green factory in Chongqing. By the end of 2025, the Company had established a green manufacturing system consisting of one national-level, two provincial-level, and one municipal-level green factories, fully covering key production bases in Hefei, Anqing, Guangdong, and Chongqing.

Energy management

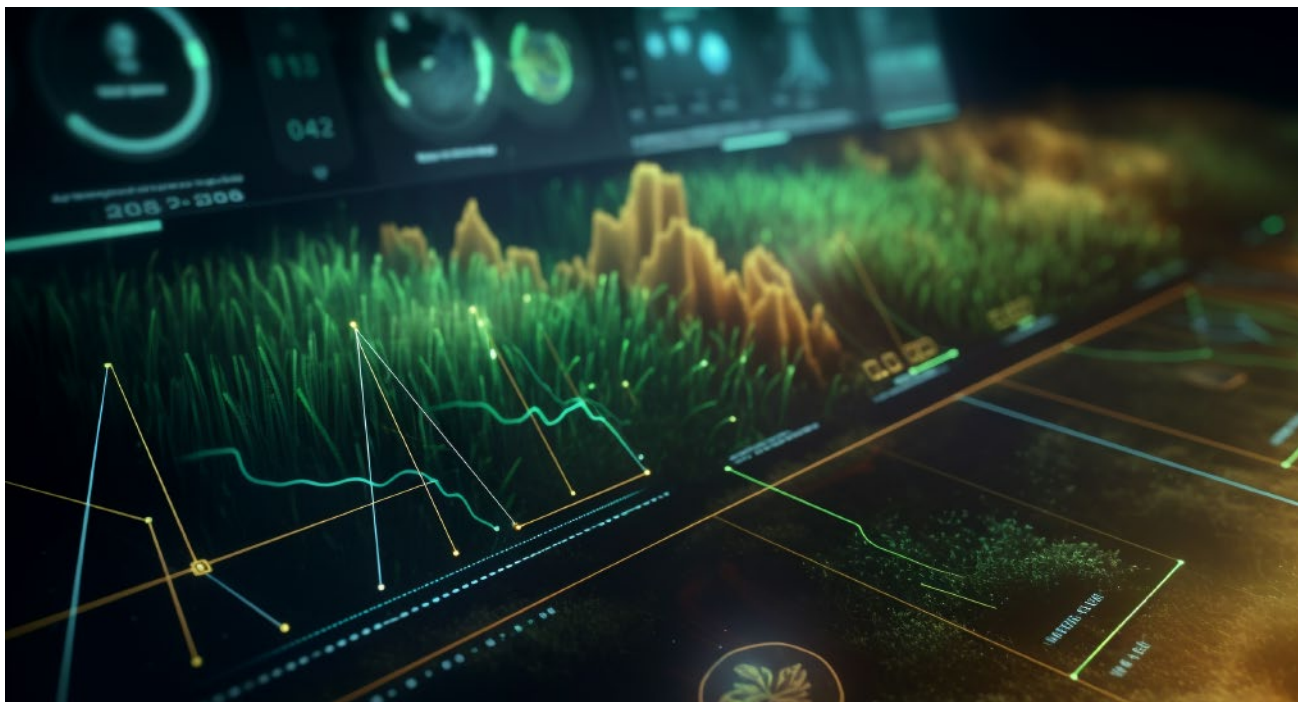
All production bases have fully implemented the ISO 50001 energy management system and deployed an energy management platform (EMP) to enable real-time monitoring of energy consumption at production line, workshop, and team levels, along with data collection, peak-valley electricity scheduling, and anomaly alerts. Energy efficiency bottlenecks are accurately identified and continuously optimized. The Company continues to expand rooftop distributed photovoltaic capacity, promote electrified production equipment and energy-efficient processes, and increase the share of renewable energy use. The operating availability of environmental protection equipment and facilities remains at 100%.

Digital decarbonization

Digital transformation is deeply integrated into carbon reduction initiatives. In manufacturing, the Anqing factory has enhanced the integration of EAM and IoT technologies to enable intelligent interconnection of production equipment, improve Overall Equipment Effectiveness (OEE) analysis, and strengthen preventive maintenance systems, effectively reducing carbon emissions through digital lean operations. At the data level, an integrated intelligent data governance platform has been established to support real-time carbon data monitoring and science-based decision-making.

Green Logistics

In 2025, Orinko implemented a Transportation Management System (TMS) to optimize logistics operations comprehensively. Measures such as localized procurement, regional distribution, route optimization, and the use of new energy vehicles have significantly reduced fossil fuel consumption and carbon emissions in logistics activities. At the same time, the Company upgraded its Warehouse Management System (WMS) and deployed AGV intelligent handling robots and automatic palletizing equipment, enabling automated and unmanned warehouse operations. These measures enhance warehouse space utilization and cargo turnover efficiency while reducing land and energy waste, thereby building an efficient and low-carbon green logistics system.



Green Procurement

In 2025, the Company established a wholly owned subsidiary, Orinko Environmental Protection, to coordinate recycled resource procurement and low-carbon raw material sourcing, forming strategic partnerships with leading enterprises in the home appliance and automotive dismantling industries to secure a stable supply of upstream low-carbon recycled materials. The green supplier management system has been further improved, integrating environmental compliance and sustainable supply capabilities into supplier onboarding and performance evaluation criteria. This promotes coordinated low-carbon transition across the supply chain and builds a secure, stable, and green supply chain ecosystem.

Carbon Management System

In accordance with ISO 14064 standards, Orinko comprehensively advances greenhouse gas inventory work across all production bases, establishing a regular mechanism for carbon emissions monitoring, statistics, analysis, and reduction. Key emission sources under Scope 1 and Scope 2 are accurately identified, and differentiated carbon reduction pathways are developed based on the operational characteristics of each production base. Carbon management has been extended from the product level to R&D, production, operations, and corporate management. The Company has improved carbon data accounting, storage, and disclosure processes, and regularly reports carbon performance and emission reduction progress to stakeholders. This standardized carbon management system provides a solid foundation for the implementation of the carbon neutrality strategy.

Response to Climate Change

Global climate governance continues to advance, while increasingly frequent extreme weather events, tightening international low-carbon policies, and accelerating green industrial transformation have become key external factors shaping the development of the new materials industry. Orinko closely aligns with the Task Force on Climate-related Financial Disclosures (TCFD) framework, integrating climate change response into its full ESG management process. The Company has established a systematic response framework across four dimensions—governance, strategy, risk management, and indicators and targets—embedding climate risk management and low-carbon development opportunities into corporate operations, R&D innovation, and industrial chain collaboration, to enhance climate resilience through prudent actions and support the achievement of global climate governance goals through low-carbon transition.

Governance

Orinko incorporates climate change response into its three-tier ESG governance structure, ensuring that climate-related initiatives are aligned with the Company's overall sustainable development strategy.

Decision-making level

The Board of Directors and the Strategic Development and ESG Committee are responsible for reviewing major climate-related matters, including strategic directions for climate response, overall carbon neutrality framework, and climate risk management principles.

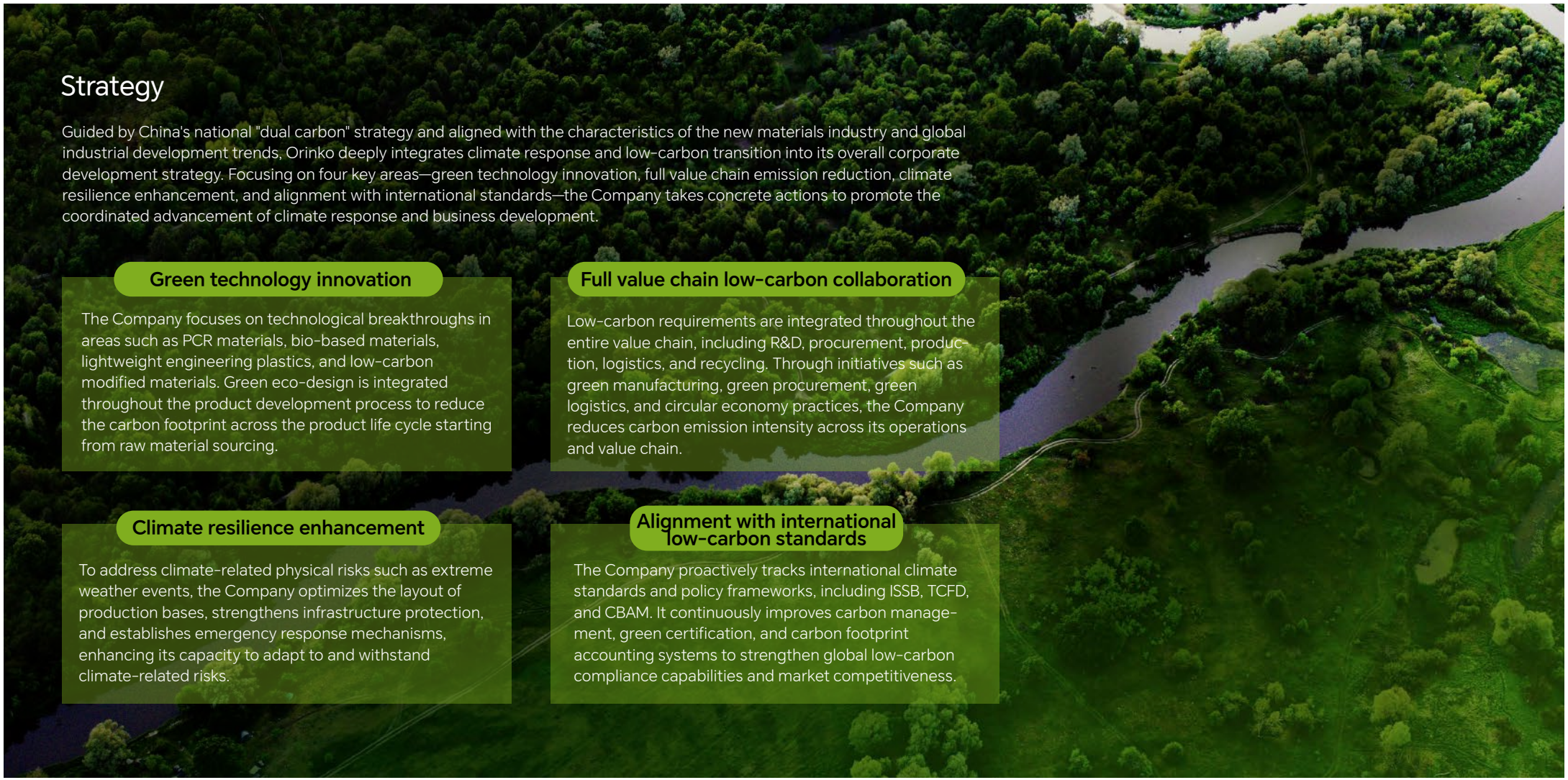
Management level

Led by the ESG Leading Group, the Company coordinates and advances climate-related initiatives, including greenhouse gas inventories, energy conservation and carbon reduction, green factory development, and low-carbon supply chain collaboration, ensuring effective implementation of all measures.

Execution level

Relevant personnel are designated by each department and production base to oversee daily tasks such as energy management, operation and maintenance of environmental protection facilities, emergency response to extreme weather events, and low-carbon awareness initiatives.

Through internal training, low-carbon awareness campaigns, and environmental activities, Orinko integrates climate response principles into employees' daily work. Leveraging its existing ESG communication and engagement mechanisms, the Company continuously enhances employee awareness of climate risks and low-carbon responsibilities, promoting effective implementation of climate governance requirements throughout the organization.



Strategy

Guided by China's national "dual carbon" strategy and aligned with the characteristics of the new materials industry and global industrial development trends, Orinko deeply integrates climate response and low-carbon transition into its overall corporate development strategy. Focusing on four key areas—green technology innovation, full value chain emission reduction, climate resilience enhancement, and alignment with international standards—the Company takes concrete actions to promote the coordinated advancement of climate response and business development.

Green technology innovation

The Company focuses on technological breakthroughs in areas such as PCR materials, bio-based materials, lightweight engineering plastics, and low-carbon modified materials. Green eco-design is integrated throughout the product development process to reduce the carbon footprint across the product life cycle starting from raw material sourcing.

Full value chain low-carbon collaboration

Low-carbon requirements are integrated throughout the entire value chain, including R&D, procurement, production, logistics, and recycling. Through initiatives such as green manufacturing, green procurement, green logistics, and circular economy practices, the Company reduces carbon emission intensity across its operations and value chain.

Climate resilience enhancement

To address climate-related physical risks such as extreme weather events, the Company optimizes the layout of production bases, strengthens infrastructure protection, and establishes emergency response mechanisms, enhancing its capacity to adapt to and withstand climate-related risks.

Alignment with international low-carbon standards

The Company proactively tracks international climate standards and policy frameworks, including ISSB, TCFD, and CBAM. It continuously improves carbon management, green certification, and carbon footprint accounting systems to strengthen global low-carbon compliance capabilities and market competitiveness.

Risk Management

Based on the TCFD framework, Orinko has established a full life-cycle climate risk management system covering risk identification, assessment, response, and monitoring. The Company comprehensively identifies and manages climate-related physical and transition risks while actively capturing development opportunities arising from the climate transition.

Climate-related risks (selected examples)

Risk type	Risk description	Countermeasures	Impact degree	Time horizon
Physical risks	Global warming leads to extreme weather events such as heatwaves, heavy rainfall, typhoons, and floods, which may result in equipment damage at production bases, production capacity fluctuations, raw material supply disruptions, logistics delays, and infrastructure damage, thereby affecting operational stability.	Strengthen disaster resilience upgrades of factories, power supply systems, and warehousing facilities, and equip backup power systems and flood prevention and drainage facilities. Establish multi-site capacity allocation and emergency inventory mechanisms, and sign flexible supply agreements with key suppliers. Integrate extreme weather response into the environmental emergency system and regularly conduct joint drills.	May cause short-term localized production capacity fluctuations; long-term resilience requires continuous enhancement.	Short-term (1-3 years); Long-term (5+ years)
Transition risks – Policy compliance	Accelerated roll-out of global carbon peaking and carbon neutrality policies, the EU CBAM, expansion of domestic carbon markets, and increasingly stringent industry standards on energy consumption and environmental protection increase carbon compliance costs, investment in environmental upgrades, and market entry barriers.	Continuously track global low-carbon policy developments; improve carbon footprint accounting and green certification systems to proactively align with domestic and international low-carbon standards; optimize product structure and increase the share of low-carbon and recycled materials.	Compliance costs may increase in the medium term, while long-term market entry barriers can be mitigated through technological upgrades.	Medium-term (3-5 years); Long-term (5+ years)
Transition risk – Technology substitution	Rapid technological advancements in low-carbon materials such as bio-based materials and high-value recycled materials increase substitution pressure on traditional high-carbon materials. Delayed R&D progress may weaken market competitiveness.	Increase investment in low-carbon R&D, strengthen core technology R&D in PCR materials and lightweight materials; leverage circular economy value chain integration to build technological barriers; enhance industry-university-research collaboration to accelerate low-carbon technology commercialization.	Traditional product sales may be affected in the medium term; long-term differentiated competitiveness can be achieved.	Medium-term (3-5 years); Long-term (5+ years)
Transition risk – Raw material volatility	Climate change increases price volatility in traditional raw materials such as crude oil, while supply systems for low-carbon materials, such as recycled materials and bio-based resins, remain underdeveloped, creating risks in procurement cost and supply stability.	Establish real-time raw material price monitoring mechanisms and optimize procurement strategies; expand in-house recycled material supply capacity; strengthen partnerships with upstream dismantling enterprises; promote localized and diversified sourcing.	Short-term cost volatility may affect profitability; medium-term improvements expected through supply chain optimization.	Short-term (1-3 years); Medium-term (3-5 years)

Climate-related opportunities (selected examples)

Opportunity type	Opportunity description	Countermeasures	Impact degree	Time horizon
Policy-driven opportunities	National and local governments continue to introduce supportive policies such as green finance, subsidies, and tax incentives to promote the development of low-carbon new materials and circular economy industries.	Leverage green factory certifications, low-carbon products, and circular economy credentials to proactively apply for policy support programs and secure policy support and green credit.	In the medium term, these measures help reduce operating costs and access financial support.	Medium-term (3–5 years); Long-term (5+ years)
Market growth opportunities	Rapid growth in global new energy vehicles, photovoltaics, and energy storage industries is driving sustained demand for low-carbon modified materials and recycled materials.	Increase R&D investment and market expansion in new energy-related low-carbon materials, strengthen partnerships with leading customers, and capture market share in low-carbon materials.	Drive revenue growth in the medium term and create a second growth curve in the long term.	Medium-term (3–5 years); Long-term (5+ years)
Industrial upgrading opportunities	Policy-driven expansion of recycled material applications accelerates the release of market demand for PCR materials, while the advantages of full value chain integration are transformed into core competitiveness.	Expand PCR material production capacity and certification coverage, advance end-to-end closed-loop applications, and enhance high-value utilization capabilities of recycled materials.	Steady growth in circular economy revenue in the medium term, with long-term industry-leading advantages.	Medium-term (3–5 years); Long-term (5+ years)
International expansion opportunities	As overseas low-carbon market access standards become increasingly stringent, robust green certification and carbon management capabilities will help overcome international green trade barriers.	Align with international frameworks such as the EU CBAM, improve carbon footprint and certification systems, and leverage overseas bases to expand into Europe, the United States, and Southeast Asia.	Gradual increase in overseas revenue contribution in the medium term, with strengthened global competitiveness in the long term.	Medium-term (3–5 years); Long-term (5+ years)

Indicators and Targets

Orinko has set a long-term target of achieving carbon neutrality across its own operations and value chain before 2050, with the ambition of becoming a global benchmark for low-carbon transition in the new materials industry. It steadily advances climate-related initiatives through the following actions. The Company continuously conducts greenhouse gas inventory and accounting across all production bases, strengthening its carbon data management foundation. It expands the application of renewable energy, such as rooftop photovoltaic systems, and promotes green factory development and energy-saving and carbon-reduction retrofits. It deepens its circular economy strategy, enhancing R&D and application capabilities in low-carbon and recycled materials. In addition, it improves product carbon footprint accounting and green certification systems to meet international low-carbon compliance requirements.

Circular Development

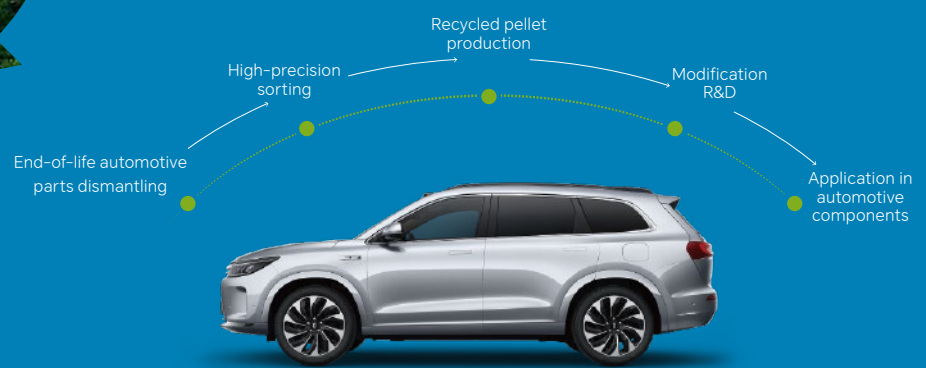
Orinko deeply integrates the principles of the circular economy into its business operations. In 2025, the Company comprehensively upgraded the layout of its recycled materials circular industry chain through specialized platform operations, full-industry-chain integration, end-to-end closed-loop management, digital traceability control, international certification support, and leadership in industry standards. Orinko has established a PCR materials circular economy system that is domestically leading and internationally aligned, promoting the efficient recycling and high-value utilization of waste plastics. This enables a closed-loop circulation model of "resources → products → waste → recycled resources," supporting carbon reduction and the sustainable utilization of resources through circular economy practices.

Recycled Resources Deployment

In 2025, Orinko officially established its wholly owned subsidiary, Orinko Environmental Protection, as a specialized platform responsible for integrating the recycled materials circular industry chain and operating the PCR materials business. The Company has developed two core recycled resource industrial clusters in East China and South China, fully connecting the entire closed-loop value chain of "consumer product recycling → dismantling → crushing → washing → sorting → pelletizing → modification." The system covers a full range of waste plastic recycling scenarios for home appliances, automobiles, green fiberglass, and other products, enabling regional coordination and full-process management of recycled resources.

High-Value Applications of Recycled Materials

Orinko focuses on two core circular economy models: Appliance-To-Appliance and Car-To-Car, continuously advancing technological breakthroughs in the high-value application of recycled materials and building end-to-end closed-loop product systems. In 2025, the Company successfully achieved a full-process end-to-end technological breakthrough for air conditioner outlet grilles, covering waste appliance recycling, dismantling, recycled pellet production, and end-product application. The solution has been put into large-scale mass production and delivery, becoming a benchmark case in the home appliance recycling sector. Meanwhile, the Company is accelerating R&D in Car-To-Car recycling technologies and advancing the development of a full closed-loop system covering "end-of-life automotive parts dismantling → high-precision sorting → recycled pellet production → modification R&D → application in automotive components such as bumpers, wheel arches, and engine covers." The technology is expected to achieve commercial application and mass production in 2026.



Digital Traceability

Orinko has established a full-process digital management system for recycled materials, enabling real-time monitoring and data recording across the entire process of PCR materials—from upstream collection sources, incoming inspection, sorting and dismantling, closed-loop crushing, multi-stage washing, high-precision sorting, automatic pelletizing, to modification and production. Standardized operating procedures ensure consistent performance and quality compliance of recycled materials. At CHINAPLAS 2025, the Company delivered a keynote presentation titled Traceability: the Journey of Plastic Rebirth, Made Visible to Customers, showcasing its full life-cycle traceability system for recycled materials to global customers. Through digital technologies, Orinko enables customers to clearly track the full lifecycle of materials, ensuring that sources are traceable, flows are traceable, and quality is verifiable. This transparent management approach further strengthens product quality assurance and regulatory compliance.

International Authoritative Certifications

In response to increasingly stringent global policies on recycled materials and higher market access requirements, Orinko has established a comprehensive and internationally aligned certification system for recycled materials, effectively overcoming green trade barriers. As of the end of 2025, the Company had obtained 182 international authoritative certifications for recycled materials, including GRS, UL 2809, ISO 14021, and OBP. These certifications cover a full range of recycled materials such as PE, PP, ABS, HIPS, PA, PC, and alloys, with recycled content ranging from 15% to 100%, meeting the low-carbon procurement requirements of diverse global customers and markets. In addition, Orinko actively fulfills its industry responsibilities, participating in the formulation of two national standards for recycled plastics (GB/T 46018.2-2025 and GB/T 46043-2025), and taking a leading role in standardizing quality control, traceability system development, and production process standards for recycled plastics. These efforts drive China's recycled plastics industry toward standardized, regulated, and high-quality development.

Carbon Reduction Benefits

Through the large-scale R&D and application of PCR materials, the Company has achieved significant carbon reduction results. Taking key components of washing machines as an example, PP materials with 50% PCR content reduce carbon emissions by 46.74%–48.96% compared with virgin materials, while GFPP materials with 40% PCR content reduce carbon emissions by 30.89% compared with virgin materials. The high-value application of recycled materials provides key support for carbon reduction across the value chain.

07 Environmental Management

Orinko consistently places ecological and environmental protection at the core of its sustainable development strategy, integrating environmental management throughout the business value chain, including R&D and design, manufacturing, supply chain collaboration, and waste disposal. The Company adopts an integrated management model featuring centralized coordination at headquarters, standardized execution across production bases, and broad employee participation. It continuously improves its environmental management system, advances energy conservation and carbon reduction initiatives, deepens water conservation and recycling practices, strictly controls pollutant emissions to ensure compliance, and fulfills its responsibilities for ecological protection. Through systematic, refined, and ongoing environmental governance actions, Orinko safeguards ecological security while promoting the coordinated development of high-quality business growth and ecological and environmental protection, contributing industrial strength to the creation of a greener future where humanity and nature coexist harmoniously.

Environmental Management

Orinko strictly complies with national and local environmental laws and regulations, including the Environmental Protection Law of the People's Republic of China and the Regulations on Environmental Management of Construction Project. With the ISO 14001 environmental management system as a core management framework, the Company has established an environmental management system featuring standardized operations, full-process control, ongoing emergency preparedness, and comprehensive compliance management, achieving unified standards, deployment, assessment, and improvement across all environmental management activities throughout the Company.

Environmental Management System Development

Orinko has established a three-tier environmental management network consisting of centralized coordination at headquarters, on-site implementation at production bases, and clearly assigned individual responsibilities. Headquarters formulates core policies and procedures, including the Environmental Management Manual and the Environmental Emergency Response Plan, while each production base completes policy revisions and filings with local ecological and environmental authorities as required. The Company has also clarified environmental management organizational structures, job responsibilities, and assessment mechanisms at all levels, forming a closed-loop management model covering target decomposition, process control, performance evaluation, and continuous improvement. In 2025, the Company achieved full coverage and effective operation of the ISO 14001 environmental management system across all production bases, further strengthening the foundation of environmental compliance at the institutional level.

Case | Standardized Development of Environmental Management System at the Membrane Materials Company

The membrane materials company, as a newly established production base of Orinko, built a comprehensive environmental management system from scratch in 2025 and successfully obtained ISO 14001 environmental management system certification in June. The Company strictly implemented the "Three Simultaneities" policy for environmental protection in construction projects, ensuring that environmental protection facilities were designed, constructed, and commissioned simultaneously with the main project. Throughout the year, it completed phased environmental impact assessment acceptance inspections and reapplication for the pollutant discharge permit as scheduled, and submitted the annual compliance report for the discharge permit on time. These efforts ensured full-process environmental compliance of the new production base from construction to operation.

Environmental Risk Management and Monitoring

The Company adopts a life-cycle approach to environmental management and organizes cross-functional teams on an annual basis to systematically identify environmental factors related to production, auxiliary operations, emergency response, and stakeholders. A multi-factor rating method is applied to assess key environmental factors, including fugitive VOC emissions, hazardous waste storage, chemical leakage, and the operation of energy-intensive equipment, and targeted control measures are then developed, enabling source prevention, strict process control, and end-of-pipe treatment of environmental risks.

Each production base strictly implements compliance monitoring requirements. Headquarters organizes a semi-annual compliance assessment of environmental laws and regulations, covering national and local environmental standards as well as all requirements under pollutant discharge permits. Each base also engages qualified third-party agencies to conduct quarterly monitoring of wastewater, air emissions, and boundary noise, while deploying online monitoring systems to enable real-time data transmission to regulatory platforms. In 2025, all production bases of the Company recorded a 100% compliance rate for pollutant emissions based on online monitoring data, with no environmental administrative penalties or non-compliance incidents throughout the year.

Compliance rate of all pollutant emissions

100%

Environmental risk incident rate

0%

Environmental pollution incidents

0

Environmental Emergency Management

Orinko has established an environmental emergency management system featuring centralized command at headquarters and tiered response at production bases. Each base maintains a standing emergency response organization and is equipped with all necessary emergency equipment, including leak-proof containment berms, emergency supplies, and anti-corrosion facilities. Regular environmental risk inspections and emergency drills are conducted to strengthen response capabilities. In 2025, all production bases recorded a 0% environmental risk incident rate and zero environmental pollution incidents, demonstrating continuous enhancement of environmental risk prevention and emergency response capabilities.

Energy Management

Orinko adheres to an energy management policy featuring conservation and efficiency improvement, cleaner production, and low-carbon transition. Based on the ISO 50001 energy management system, the Company implements five key initiatives: centralized energy efficiency planning at headquarters, on-site technological upgrades at production bases, substitution of clean energy, deployment of energy storage systems, and digital energy efficiency management. Through these measures, Orinko continuously improves energy utilization efficiency and reduces energy consumption per unit of product, supporting China's dual-carbon goals through a green energy transition.

Energy Management System

The Company's headquarters has established an Energy Management System, and formed a full-process control mechanism covering energy statistics, real-time monitoring, data analysis, and performance-based incentives and penalties. Orinko strictly controls the approval process for energy-intensive equipment procurement and mandates the replacement of outdated, low-efficiency equipment with high-efficiency energy-saving alternatives. Each production base further refines its energy management plans according to production characteristics, integrating energy-saving targets into workshop and team performance assessments, thereby achieving refined and standardized energy management.

Energy-Saving Technological Upgrades

The Company comprehensively promotes energy-saving technological upgrades, focusing on key energy-intensive equipment such as fans, water pumps, air compressors, and drying systems. Through measures including variable frequency control, system upgrades, centralized production, and standby power management, the Company has significantly reduced energy consumption, achieving triple benefits in cost reduction, carbon reduction, and efficiency improvement.

Case | Coordinated Energy-Saving Upgrades across Multiple Production Bases

- Hefei Factory completed energy-saving upgrades of air compressors and replaced two 45 kW variable-frequency fans, achieving annual electricity cost savings of RMB272,100.

Annual electricity cost savings

RMB **272,100**

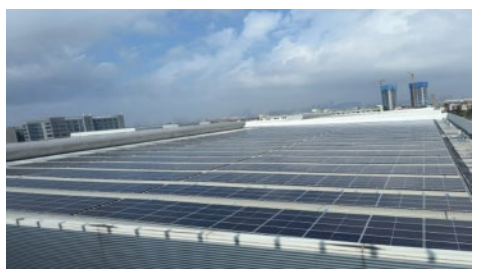
- Chongqing Factory upgraded its offline drying system to an online drying system. Combined with standby power-off management and optimized centralized production, electricity consumption per ton of product decreased from 421 kWh to 406 kWh.
- Anqing Factory constructed a 15 MW energy storage project, improving energy dispatch efficiency and enhancing the stability of energy utilization.
- Guangdong Factory implemented multiple energy-saving technological upgrades, including variable-frequency upgrades of dust removal fans, LED smart lighting transformation, frequency reduction of fume extraction fans, and water pump efficiency improvements, continuously reducing energy consumption and equipment operating costs.
- The membrane materials company procured new Tier 1 energy-efficient equipment and completed upgrades of the chilled water station system and heating methods for white oil tanks in the tank farm.

Clean Energy Utilization

Orinko actively promotes the substitution of renewable and clean energy. Leveraging rooftop spaces at each production base, it deploys distributed photovoltaic systems and integrates energy storage systems to enable peak shaving and valley filling. The Company also promotes the use of clean fuels such as natural gas, reducing fossil energy consumption and carbon emissions at the source.

Hefei Factory

Chongqing Factory



Guangdong Factory

Anqing Factory

Case | "PV + Energy Storage" Green Energy Model at Anqing Factory

The Anqing factory has developed a rooftop photovoltaic system with a total installed capacity of 5.985 MW. In 2025, the system generated a cumulative 6.17 GWh of electricity. Combined with the procurement of renewable energy certificates, the share of clean energy use increased to 17.8%. The factory has also deployed energy storage systems to absorb off-peak electricity during nighttime and ensure stable daytime production operations, establishing a green energy consumption model characterized by "self-generation for self-consumption with energy storage for peak shaving."

Water Resource Management

Orinko adheres to the principles of water conservation first, circular utilization, refined management, and full employee participation. The Company has established a water conservation management mechanism led by the General Manager, centrally coordinated at headquarters, and implemented by departments with full employee participation. Through a four-pronged approach of policy constraints, technological upgrades, water recycling and reuse, and awareness-raising initiatives, the Company has developed an intensive, efficient, and sustainable industrial water resource utilization system.

Water Conservation Management Mechanism

The Company's headquarters has formulated the Water Conservation Management Measures and the Water-Saving Management System, defining post-based water conservation responsibilities and quota-based incentives and penalties. Water-saving targets are cascaded down to production bases, workshops, and work teams. Each production base implements precise water metering, daily water consumption monitoring, and abnormal data analysis to promptly identify and rectify water leakage and wastage issues, ensuring comprehensive control over water resource consumption.

Water-Saving Technological Upgrades and Recycling

The Company continues to promote the recycling and reuse of production water through technological upgrades. It has widely deployed closed cooling towers and water-saving production equipment, and optimized production water use processes to achieve cascade utilization, recycling and reuse, and reduced water consumption, thereby minimizing freshwater withdrawal to the greatest extent.

Case | Water Recycling System Upgrade at Hefei Factory

The Hefei factory carried out technological upgrades of closed cooling towers and optimized the water overflow control process. Combined with precise water metering and full-process water conservation performance assessment, the factory comprehensively reduced production water loss, improved water recycling efficiency, and implemented industrial water-saving and emission-reduction requirements.

Water Use Compliance Management

In 2025, the Company achieved precise control over total water consumption across all production bases, while steadily improving the recycling rate of treated production wastewater. As a newly established base, the membrane materials company recorded a total tap water consumption of 14,400 tons in 2025 while planning the development of its water resource management system. The Company strictly complies with applicable laws and regulations governing water intake and usage, with no incidents of illegal water withdrawal, water waste, or non-compliant wastewater discharge throughout the year.

Non-compliant wastewater discharge incidents

0

Pollution and Emissions Management

Orinko implements refined management covering all categories of emissions, including air emissions, wastewater, solid waste, and noise, with full-process control and full compliance with emission standards. The Company adopts industry-leading treatment technologies, standardizes disposal procedures, and ensures compliant treatment through qualified third-party service providers. Orinko continuously advances the reduction, harmless treatment, and resource utilization of pollutants, strictly adhering to ecological and environmental compliance limits for emissions.

Air Emissions Control

The Company implements differentiated control measures for organic air emissions, particulate matter emissions, and combustion-related emissions. It adopts advanced treatment technologies such as regenerative thermal oxidation (RTO) at ≥760°C, zeolite rotor + activated carbon adsorption, and pulse-jet baghouse dust removal. These measures ensure full collection, full treatment, and full compliance of air emissions. In 2025, air emissions concentration across the Company remained significantly below national regulatory limits. Fugitive emissions were effectively controlled, and the air emissions compliance rate reached 100%.

Air emissions compliance rate

100%

Wastewater Treatment

Each production base adopts proven treatment processes, including oil-water separation tanks, coagulation-flocculation and dissolved air flotation (DAF), and underground septic tanks, to treat both production and domestic wastewater. Key indicators such as COD, ammonia nitrogen, total phosphorus, and total nitrogen are strictly controlled. Treated wastewater is either discharged in compliance with applicable standards or reused in production processes. The Company achieved a 100% wastewater discharge compliance rate.

Wastewater discharge compliance rate

100%

Solid Waste Management

The Company has established a full lifecycle management model for solid waste, focusing on the resource utilization of general solid waste and the standardized treatment of hazardous waste. It strictly implements waste classification and storage, ledger recordkeeping, and transfer manifest systems, ensuring full traceability and compliant control throughout the entire solid waste management process.

General industrial solid waste: The Company promotes segregated recycling, reuse, and resource recovery of general industrial solid waste. Practices include the circular reuse of IBC totes, plastic and wooden pallets, as well as the sorting and appropriate treatment of packaging bags. The comprehensive utilization rate reached 100%.

Hazardous waste: All hazardous waste is entrusted to qualified service providers for disposal. The implementation rate of the waste transfer manifest system reached 100%, and the Company continues to promote source reduction of hazardous waste generation.

Noise Control

The Company installs sound insulation enclosures and vibration damping pads for high-noise equipment, optimizes factory site fencing and layout, and conducts regular boundary noise monitoring to ensure that both daytime and nighttime noise levels comply with applicable standards. In 2025, the Company recorded zero noise-related public complaints, and the acoustic environment quality of its facilities remained stable.

Ecological Protection and Biodiversity

Orinko strictly complies with applicable laws and regulations on ecological protection. The site selection, construction, and operation of all production bases meet regional ecological planning requirements and do not involve nature reserves, ecological conservation red lines, drinking water source protection areas, or other ecologically sensitive areas. The Company's production and operational activities have not caused adverse impacts on regional ecosystems or biodiversity.

Guided by green manufacturing, recycling, energy conservation and carbon reduction, Orinko fulfills dual responsibilities for ecological protection and plant-site ecological construction. Through distributed photovoltaic systems and energy-saving technological upgrades, the Company reduces carbon emissions and air pollutants, minimizing impacts on the atmospheric environment. Through recycled material R&D and resource utilization of solid waste, it reduces the extraction of primary resources and alleviates ecological pressure from resource development. Through green factory construction, the Company optimizes onsite greening layouts and develops eco-friendly factories, contributing to the improvement of local ecological conditions.

Moving forward, Orinko will continue to align with national ecological protection and biodiversity policies, and leverage the characteristics of the new materials industry to deepen practices in green supply chain development, eco-friendly material R&D, and ecological optimization of factory sites. The Company will also explore biodiversity conservation initiatives, taking practical actions to safeguard ecological balance and biodiversity while fulfilling its social responsibility in ecological and environmental protection.

08 Work Safety Management

Orinko consistently adheres to the core principle of "safety first, prevention foremost, and comprehensive control," and regards employees' life safety and occupational health as the fundamental prerequisite for corporate development. Building on this foundation, the Company has established an integrated work safety management system characterized by centralized coordination and control at headquarters, standardized implementation across all production bases, and in-depth participation by all employees. In 2025, anchored in the advancement of work safety standardization, Orinko further strengthened the implementation of safety responsibilities, enhanced the dual prevention mechanism, reinforced occupational health protection, and improved emergency response capabilities. Meanwhile, the Company continuously advanced intrinsic safety upgrades and strictly upheld the bottom line of safe development. Through systematic, standardized, and normalized safety management practices, Orinko comprehensively safeguards employee health and well-being, ensures stable production and operations, and supports the Company's high-quality and sustainable development.

Work Safety Management

With work safety standardization as its central approach, Orinko continuously improves its safety governance structure, reinforces safety responsibilities across all employees, strengthens safety capability building, and standardizes full-process management and control. Through these efforts, the Company promotes the transformation of its safety management model from "reactive rectification" to "proactive prevention and intrinsic safety," thereby enabling coordinated, efficient, and standardized safety management across all production bases.

Safety Responsibility System

Orinko has established a four-tier work safety responsibility framework spanning "headquarters-production base-workshop-position," and strictly implements the "three musts" safety management principle. Under this framework, safety responsibilities are systematically decomposed and assigned at every level, ensuring full employee coverage. The Company has also implemented a "one position, one checklist" accountability model, which clearly defines the safety responsibilities and risk control requirements for each position, thereby forming a closed-loop accountability system with responsibility shared by all and fulfilled at every level. Meanwhile, Orinko continues to improve its work safety management system by establishing unified safety management standards and specifications. Each production base further refines and implements these requirements in line with its specific conditions, thereby promoting the upgrading of safety management toward standardization and systematization

Safety Training and Capability Building

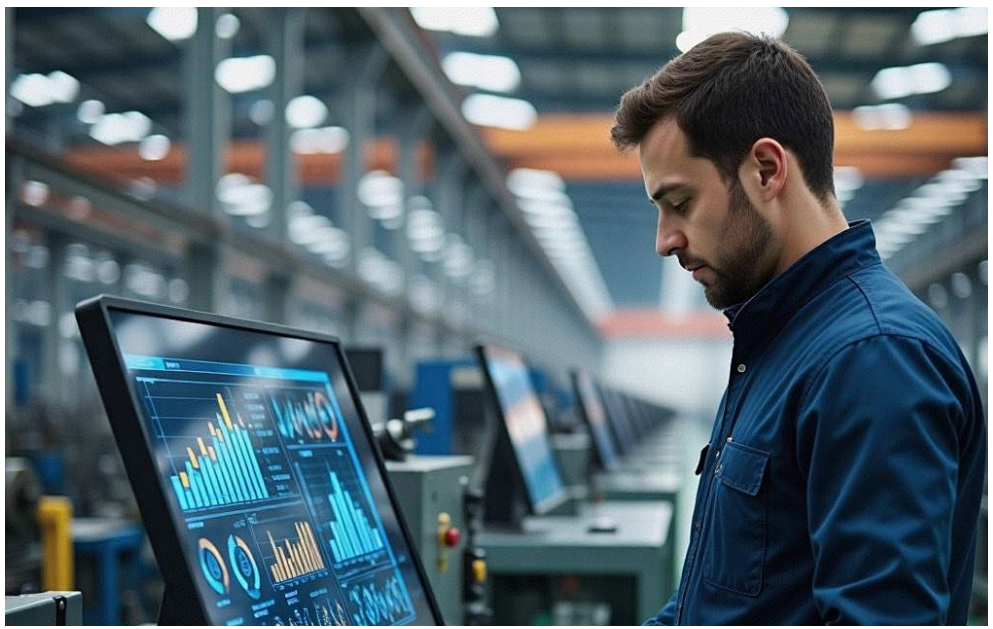
Orinko has established a tiered, role-based, practice-oriented, and company-wide safety training system. Centered on key topics including safety knowledge, operational skills, emergency response, and compliance requirements, the Company conducts regular and professional safety training to comprehensively enhance employees' safety awareness and hands-on capabilities. In 2025, the safety training completion rate and the certification rate for special operation personnel both reached 100%. The training sessions covered all scenarios, including three-level training for new employees, re-certification for special operation personnel, and targeted training for key positions, laying a solid talent foundation for work safety.

Certification rate for special operation personnel

100%

Stakeholders and Equipment Management and Control

Orinko integrates all stakeholders, including contractors and suppliers, into a unified safety management system. The Company implements full-process control covering entry qualification review, specialized training, on-site supervision, performance assessment, and accountability enforcement, thereby strengthening the safety compliance of outsourced operations. In parallel, the Company strictly regulates the full life-cycle management of special equipment by completing regular inspections, establishing and maintaining equipment records, and conducting lightning protection testing. These measures ensure the compliant operation of key equipment such as pressure vessels, forklifts, and elevators, while effectively controlling safety risks associated with equipment and stakeholders at the source.



Work Safety and Risk Prevention and Control

In 2025, none of Orinko's production bases recorded any major fire incidents, and the occupational disease incidence rate remained at 0%, reflecting an overall stable performance in work safety. To address potential safety hazards, the Company has established a normalized inspection and rectification mechanism. Throughout the year, multi-dimensional safety inspections were carried out, enabling dynamic hazard identification, control, and time-bound rectification. In response to safety incidents at certain production bases, Orinko promptly initiated incident investigations and targeted corrective actions, and conducted comprehensive post-incident reviews to optimize management processes, enhance intrinsic safety, and prevent the recurrence of similar incidents.

Major fire incidents

0

Occupational disease incidence rate

0%

Case | Intrinsic Safety Enhancement Initiative at Guangdong Factory

The Guangdong factory launched a targeted intrinsic safety enhancement initiative for high-risk equipment and operational processes, completing four key upgrades, including the interlocking systems for mixer cylinder valves, safety cut-off for metering scale butterfly valves, human-machine separation for pelletizers, and dual interlocking for homogenization tanks. These improvements comprehensively enhanced physical isolation, interlocking protection, and automatic alarm systems in high-risk areas. By addressing safety hazards at the design stage, the initiative significantly strengthened the intrinsic safety of production operations.

Dual Prevention Mechanism

Orinko strictly complies with national work safety laws and regulations and has established a unified dual prevention mechanism across the Company, integrating safety risk classification and hierarchical control with hazard identification and rectification. This framework builds a dual safety barrier for risk management and hazard rectification, enabling precise identification, scientific classification, and effective control of safety risks, as well as comprehensive identification, closed-loop rectification, and dynamic elimination of safety hazards. This dual prevention mechanism comprehensively enhances the Company's safety risk prevention and control capabilities.

Safety Risk Classification and Hierarchical Control

The Company adopts the Job Safety Analysis (JSA) method and the Likelihood Exposure Consequence (LEC) method to conduct hazard identification across the entire production process, all operational areas, and all job positions. Based on the likelihood of occurrence and the severity of consequences, safety risks are classified into four levels—major, significant, general, and low risks—and managed through differentiated and precise control measures. Across all production bases, Orinko implements four-color risk distribution maps, risk bulletin boards, and job-specific risk awareness cards as well as emergency response cards, thereby enabling visualized risk communication and continuous safety warnings. For major risks, the Company implements a "one risk, one mitigation plan" approach and establishes a five-layered framework comprising engineering and technical controls, management measures, training and education, personal protective equipment, and emergency response, ensuring full-process risk control.

Closed-loop Hazard Identification and Rectification Management

Orinko has established a five-tier hazard identification network covering positions, teams, workshops, departments, and the Company as a whole. By integrating routine inspections, targeted inspections, and holiday inspections, the Company ensures comprehensive coverage and continuous monitoring of potential hazards. For identified hazards, the Company strictly implements a closed-loop management process consisting of identification, assignment, rectification, verification, and archiving. For recurring hazards, root cause analysis and targeted rectification measures are conducted, while intrinsic safety improvements are simultaneously advanced to eliminate safety hazards at the source.

Digital Empowerment of Safety Management and Control

Orinko actively advances the digital transformation of safety management. At its core production bases, the Company has deployed a mobile inspection system for hazard identification, enabling QR-code-based inspections, one-click reporting, online verification, and full-process traceability. This system promotes the digitalization, visualization, and traceability of risk and hazard management, significantly enhancing the operational efficiency and control accuracy of the dual prevention mechanism.

Case | Standardized Development of the Dual Prevention Mechanism at Chongqing Factory

The Chongqing factory actively promotes the standardized implementation of the dual prevention mechanism by strengthening the work safety responsibility system across all employees and improving the systems for risk classification and hazard identification and rectification. Through full-process operational risk analysis, comprehensive hazard identification across all areas, and multi-dimensional risk warning disclosure, the factory has strengthened its risk control network, enabling precise risk management and the normalization of hazard identification and rectification.

Occupational Health and Safety

Orinko strictly complies with the Law of the People's Republic of China on Prevention and Control of Occupational Diseases and fully implements the ISO 45001 Occupational Health and Safety Management System. Adhering to a "prevention-oriented, prevention and control combined" approach, the Company has established a full life-cycle and fully covered occupational health protection system through hazard factor control, occupational health surveillance, protection measures, and training and awareness programs, thereby effectively safeguarding employees' occupational health rights and interests.

Source Control of Occupational Disease Hazards

Orinko comprehensively identifies occupational disease hazard factors in production processes, including noise, dust, toxic chemicals, and high temperatures. The Company implements a three-tier prevention strategy comprising engineering controls, management optimization, and personal protective equipment. Through the installation of dust removal, noise reduction, and ventilation and purification facilities, the concentration of occupational disease hazard factors is effectively controlled within regulatory limits. In addition, Orinko strictly manages working hours for high-risk positions and implements job rotation mechanisms to reduce occupational health risks at the source. In 2025, the monitoring results of all occupational disease hazard factors across the Company's production bases complied with national limit requirements, with a 100% compliance rate, indicating that occupational health risks remained controllable and well-managed.

Compliance rate of occupational disease hazard factors

100%

Occupational Health Surveillance

Orinko strictly implements a three-stage occupational health examination system, covering pre-employment, on-the-job, and pre-exit medical examinations. The Company establishes an electronic health record for each employee, enabling full-process tracking and dynamic management of health data. In 2025, the occupational health examination coverage rate reached 100%, and no new occupational disease cases were recorded.

Occupational health examination coverage rate

100%

New occupational disease cases

0

Personal Protective Equipment and Support Facilities

Orinko has formulated the Standards for the Allocation and Distribution of Personal Protective Equipment, ensuring that compliant protective equipment is provided in accordance with job risk levels. The Company has established a full-process management mechanism covering procurement and inspection, distribution and issuance, as well as supervision of proper use, thereby ensuring proper use of personal protective equipment. In addition, emergency support facilities, including first-aid kits and emergency shower and eyewash stations, are reasonably deployed across all Factory areas. These facilities cover both production and office zones, providing comprehensive protection for employees' occupational health and safety.

Occupational Health Education and Training

Orinko conducts regular occupational health training and awareness programs to promote knowledge of occupational disease prevention and control, proper use of personal protective equipment, and emergency first aid. Leveraging platforms such as the Occupational Disease Prevention and Control Law Awareness Week, the Company organizes expert seminars, on-site free health consultations, and skills competitions, comprehensively enhancing employees' awareness of occupational health protection and their self-rescue and mutual-aid capabilities.

Case | Occupational Health Compliance Management at the Membrane Materials Company

As a newly established production base, the membrane materials company has developed a full-process occupational health management system covering hazard monitoring, health examination and surveillance, personal protection equipment, and training and awareness programs. The Company completed the monitoring of 132 occupational hazard points, with all results meeting regulatory requirements. All employees participated in occupational health examinations with no abnormalities detected. In addition, safety training for key responsible personnel achieved excellent results. Through these measures, the Company reported no occupational health risks and no incidents.

Safety Emergency Response

Orinko has established an integrated safety emergency response system characterized by "centralized command, tiered response, coordinated actions across all sites, and rapid handling." The Company continuously improves emergency response plans, ensures adequate emergency supplies, conducts regular emergency drills, and strengthens team capability building, thereby enhancing its ability to respond to unexpected safety incidents and safeguarding employees' lives and corporate assets.

Centralized command → Tiered response → Coordinated actions across all sites → Rapid handling

Emergency Response System

Orinko has developed specialized emergency response plans for work safety incidents, occupational disease hazards, and sudden environmental events, all of which have been duly filed with relevant government authorities. Each production base has established dedicated emergency command teams with clearly defined responsibilities and response procedures. In addition, the Company provides standardized emergency resources, including first-aid equipment, fire-fighting facilities, and emergency rescue supplies. These resources are subject to regular inspection and maintenance to ensure readiness at all times and the efficient operation of the emergency response system.

Emergency Drills

Orinko conducts regular emergency drills with full employee coverage and scenario-based practical exercises. The drills address high-frequency risk scenarios such as fire evacuation, hazardous chemical leakage, heatstroke, and acute poisoning. Through these exercises, the Company continuously optimizes emergency response procedures and enhances employees' emergency response capabilities. After each drill, a comprehensive review and assessment are conducted to facilitate continuous improvement of emergency response plans and handling measures, thereby promoting the transformation of emergency management from procedural execution to practical, scenario-based response.

Emergency Response Team

Orinko strengthens the professional development of its emergency response team by organizing employees to participate in specialized emergency rescue training and certification programs. The Company has built an internal emergency team with strong competencies in emergency preparedness, incident response, and cross-functional coordination, ensuring immediate response and timely handling of emergencies, and establishing a rapid and efficient emergency response system.

Case | Development of Scenario-based Emergency Drill System at Guangdong Factory

The Guangdong factory has innovated its emergency drill approach by conducting scenario-based fire evacuation and hazardous chemical leakage exercises, and implementing a "two-person supervision" emergency mechanism for high-risk operations. The Company also plans to introduce unannounced drills to strengthen employees' instinctive response capabilities and build an emergency system that integrates routine operations with emergency readiness, ensuring rapid and efficient response.

09 Human Resources Management

Orinko adheres to a people-oriented philosophy and regards talent as the core driving force behind the Company's sustainable development. By deeply integrating ESG principles into the entire human resource management process, the Company has established a full life-cycle management system covering employee rights and interests protection, talent acquisition, compensation and benefits, employee communication and engagement, training and development, career development, employee care, and public welfare and charitable initiatives. Through these efforts, Orinko safeguards employees' legitimate rights and interests, empowers employee growth and development, fulfills its corporate social responsibilities, and promotes mutually beneficial development between the Company and its employees, as well as between the Company and society.

Protection of Employee Rights and Interests

Labor Management

Orinko strictly complies 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. The Company enters into labor contracts with employees, makes social insurance and housing provident contributions in a timely manner, and ensures that wages are paid in full and on schedule. The Company places strong emphasis on the protection of minors and strictly prohibits the employment of child labor. Orinko also respects employees' freedom of association and supports their lawful right to organize and join labor unions and other social organizations. In recruitment, hiring, and promotion practices, the Company does not discriminate against employees on the basis of race, gender, age, religion, ethnic origin, disability, household registration status, or other protected characteristics, ensuring that all employees enjoy fair and equal opportunities. In addition, Orinko reasonably arranges working hours to safeguard employees' legitimate rights and interests.

Employee Safety and Labor Protection

Respecting and caring for every employee, Orinko refines the implementation of labor laws and regulations through detailed internal regulations and disciplines to ensure standardized management. The Company continuously improves its work safety systems and operating procedures, and regularly organizes safety training and education activities to enhance employees' safety awareness and emergency response capabilities. In addition, Orinko actively carries out a variety of safety initiatives, including "Work Safety Month" themed activities, fire drills, and safety performance assessments, to strengthen employees' safety awareness and accident prevention capabilities. Meanwhile, the Company strictly complies with laws and regulations related to occupational health and has established detailed occupational health management systems. Orinko provides employees with free occupational health examinations, equips them with necessary personal protective equipment, and installs warning signs in workplaces to safeguard employees' health and safety.

Human Resources Management

Talent Acquisition and Team Building

Orinko consistently places talent at the core of its corporate strategy and systematically advances the development of a talent acquisition and management system closely aligned with its global business expansion. The Company is committed to building a diverse, high-caliber, and internationally oriented workforce. By establishing an international, professional, and digital talent supply chain, Orinko not only supports its own sustainable development but also actively fulfills its broader responsibilities to employees, the industry, and society.

Localization of overseas talent

Orinko actively implements a talent localization strategy in key overseas markets. Talent acquisition is closely aligned with local business needs, with priority given to professionals who are familiar with local culture, market, and regulatory environments. During the Reporting Period, the Company achieved talent localization in the United States, Mexico, Indonesia, Thailand, Japan, and South Korea.

Talent acquisition

Orinko has established a standardized global talent acquisition process and a competency center. By systematically defining talent profiles for key positions, optimizing interview assessment tools, and strengthening continuous training and certification for global talent acquisition professionals, the Company ensures consistent quality and candidate experience in talent acquisition. At the same time, Orinko actively disseminates and shares mature talent selection and management practices both within and outside the Group.

Talent reserve

In regular recruitment, Orinko maintains long-term investment in talent development. Through diversified and structured campus recruitment programs for management trainees and specialized graduates, the Company provides young talents with systematic career development pathways and actively fulfills its social responsibility to cultivate future industry leaders. For key business areas, dedicated teams conduct ongoing talent mapping and benchmarking analyses to precisely identify high-caliber professionals, thereby ensuring the continuous strengthening of core competitiveness. The Company also dynamically monitors industry talent trends and compensation benchmarks, providing data-driven support for the formulation of responsible and competitive employment policies, and safeguarding fairness and forward-looking practices in talent attraction and retention.

Digital recruitment enablement

Orinko actively explores the application of AI tools in talent acquisition. The Company leverages AI in scenarios such as campus recruitment and blue-collar recruitment to conduct preliminary resume screening, intelligent matching, and interview scheduling, significantly improving processing efficiency. At the same time, Orinko continues to optimize the end-to-end recruitment process from demand identification to onboarding integration, with the aim of shortening the recruitment cycle, enhancing candidate experience, and reducing resource consumption during the process. These efforts achieve a balance between higher efficiency and improved experience, while also reflecting the Company's commitment to sustainable operational practices.

Compensation, Benefits and Incentives

Orinko has established a fair and market-competitive compensation, benefits, and incentive system that balances internal equity with external competitiveness. Guided by the principle of shared value, the Company fully motivates employees' engagement and sense of belonging, fostering mutual growth between employees and the organization while enabling shared access to development outcomes.

Compensation Structure

Employee compensation primarily consists of: fixed salary, welfare subsidies, short-term incentive bonuses, and long-term incentive bonuses (such as equity). Employee benefits mainly include: social insurance (including pension, medical, unemployment, work-related injury, and maternity insurance) and housing provident fund, meal subsidies, holiday gifts, regular team-building activities, annual physical examinations, company dormitories, and commuter shuttles.

Short-term incentives

Monthly performance bonuses, process-based incentives, recognition awards, commissions, and annual performance bonuses, etc.

Medium- to long-term incentives

Equity incentives, among others.

Compensation Management Principles

Strategic alignment

Compensation aligns with the Company's overall strategy, with a focus on rewarding strategic talents.

Relative fairness

Salaries are determined based on job value to reflect internal equity, while also benchmarking against the market to ensure competitiveness for key talents.

Performance-oriented

Adjustments to base pay and distribution of variable pay are tied to performance, ensuring that dedicated employees are fairly rewarded.

Benefit sharing

Employee income is linked to the Company's business performance—the better the Company performs, the more employees share in its success.

Employee Communication

Employee communication is a key component of effective internal communication within Orinko. It involves conveying information to employees, establishing communication channels, identifying issues, and finding solutions. Effective employee communication supports the Company's sustainable development, drives internal collaboration, serves as a critical mechanism for problem-solving, and acts as an important bridge for employee engagement and feedback.

Employee communication channels within the Company mainly fall into two categories:

Online Channels

OA office system

Allows employees to access official documents and send internal emails.

Feishu

Enables seamless information exchange among all employees.

Chairman's mailbox

Allows all employees to offer suggestions, report misconduct, or submit complaints directly.

Employee suggestion box

Provides an anonymous feedback channel to encourage employees to raise issues and offer suggestions.

Offline Channels

Regular meetings

Including team meetings, weekly, monthly, biannual and annual meetings, employee forums, dormitory visits, and interdepartmental exchange sessions, which provide opportunities for face-to-face communication among employees, between staff and management, and across departments.

Performance reviews

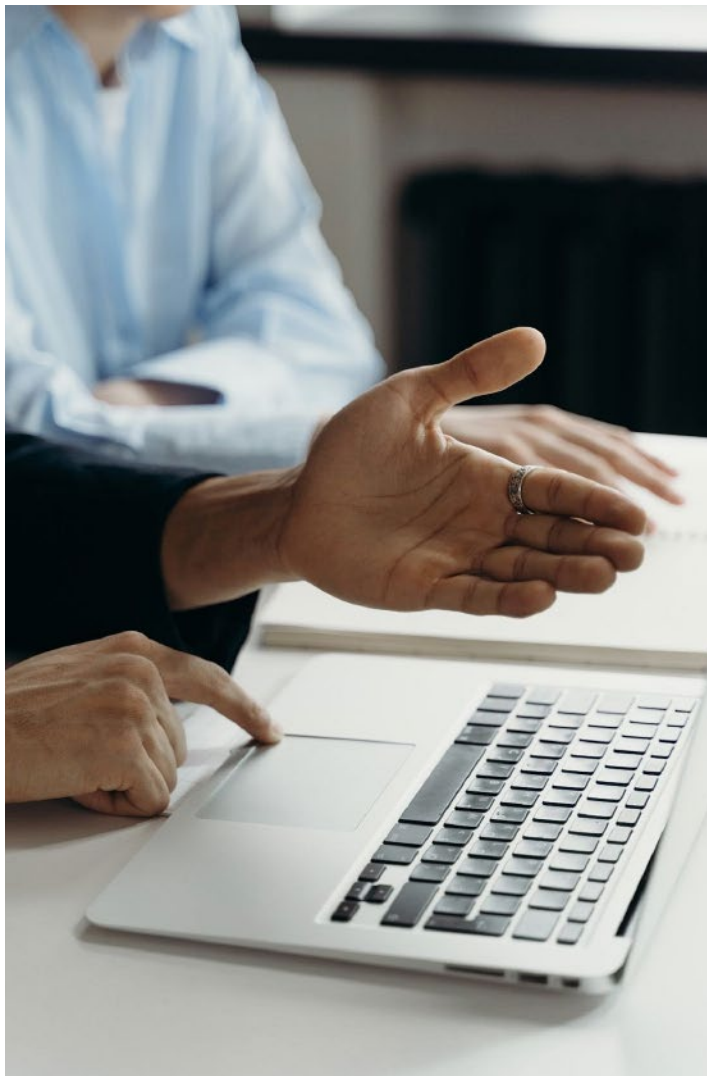
Held at least once every quarter to guide employees to improve their work performance and advance their personal development.

Employee satisfaction surveys

Carried out annually through questionnaires to gather comprehensive feedback on work, life, company policies, interpersonal relationships, employee growth, and corporate development.

Rationalization proposal initiatives

Regularly organized to reduce costs and improve efficiency, thereby lowering manufacturing and management expenses. These initiatives fully leverage the collective wisdom of all employees to enhance the Company's overall economic performance.



Employee Development and Training System

Talent is the core driver of Orinko's sustainable development and a key foundation for achieving environmental, social, and governance (ESG) objectives. Guided by its strategic priorities, the Company further strengthened its multi-dimensional talent development system in 2025, promoting coordinated growth of organizational capabilities and employee value, and building a solid talent pipeline to support its long-term high-quality development.

Next-Generation Talent Development: Orinko Star Training Camp

To continuously strengthen its talent pipeline, the Company further upgraded the "Orinko Star Training Camp" in 2025. Designed for newly recruited graduates, the program adopted a "business-oriented and practice-integrated" approach, establishing a dual-driven development framework focused on both cultural alignment and business understanding. The program continued its three-in-one mentorship model, systematically enhancing participants' multi-dimensional capabilities through cross-site practical assignments, rotational internships, and periodic review sessions. The Company further strengthened process management by establishing dedicated talent profiles for participants and implementing standardized evaluations together with a dynamic entry-and-exit mechanism. These efforts support a more structured and transparent development process while strengthening the Company's pipeline of high-quality, high-potential talent.

Talent Development System

Orinko places its tiered and segmented training system at the core of talent development, integrating diverse online and offline learning scenarios. During the Reporting Period, the Company conducted over 700 customized training sessions, achieving 100% employee coverage, with an average of 14.7 training hours per employee. In total, these initiatives supported capability enhancement for more than 12,000 participants. Building on this broad coverage, Orinko launched the "Leadership Program" during the year and systematically upgraded the "Orinko Star Training Camp," precisely supporting talent development for emerging professionals while enhancing leadership capabilities of mid- and senior-level managers. These efforts have progressively built a talent pyramid that supports the effective execution of the Company's strategy.

Customized training sessions

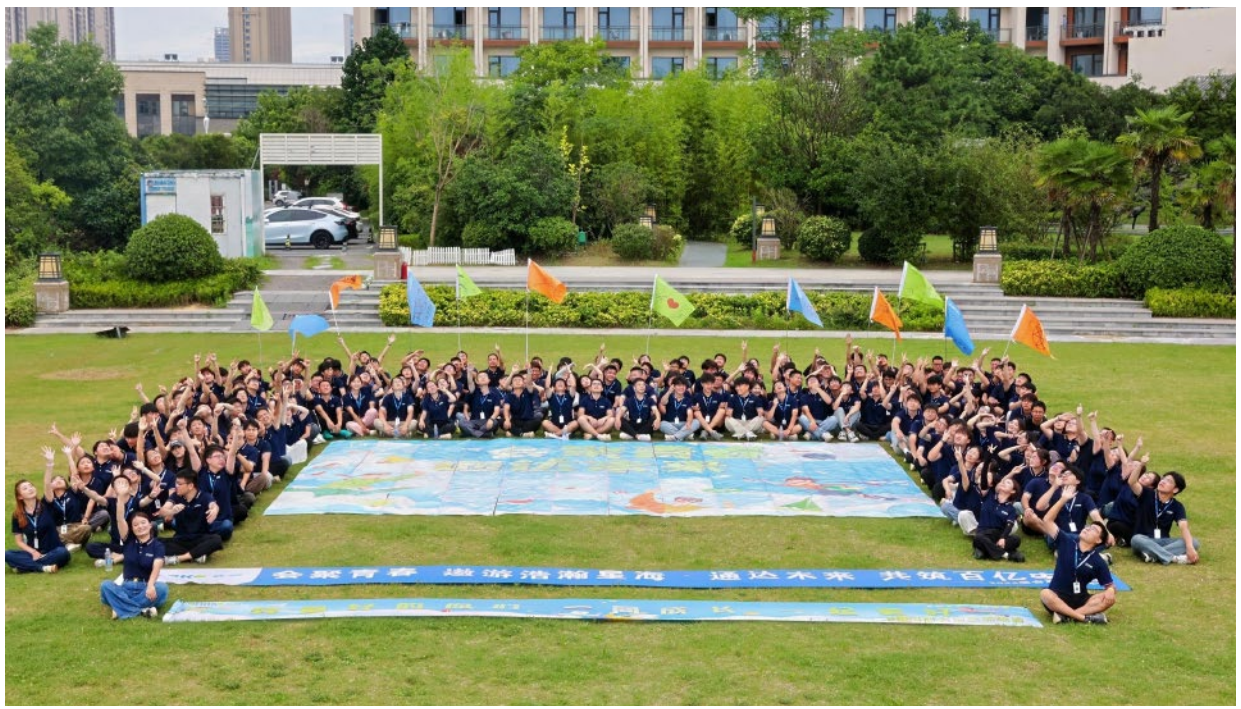
700+

Employee training coverage rate

100%

Average training hours per employee

14.7



Training Curriculum System

In 2025, Orinko established a training curriculum system centered on five dimensions: professional capabilities, organizational capabilities, leadership, digitalization, and globalization. The system covers full career-cycle scenarios ranging from new employees to managers and from domestic to overseas operations. In terms of professional empowerment, the Company systematically conducted onboarding training for new and overseas employees, while also developing specialized capability-building programs in key areas such as customer interface, product interface, the comprehensive quality management system, and lean manufacturing. These initiatives ensure close alignment between talent capabilities and business needs. At the same time, Orinko continued to strengthen resource development by uploading a total of 210 internal training courses during the year, including scenario-based videos, systematic course materials, and practical case studies. This has laid the foundation for a reusable and easily accessible organizational knowledge asset system, supporting continuous learning and self-driven development.

Internal training courses uploaded during the year

210

Executive Leadership Development: Leadership Program

As an annual key initiative for management empowerment and innovation, the "Leadership Program" focuses on enhancing senior executives' business acumen and managerial capabilities. Centered on core themes such as strategy decoding, transformation initiatives, executive development, and non-HR-related management topics, the program adopts formats including management seminars, hands-on workshops, and benchmarking visits. These initiatives systematically strengthen the strategic vision and execution capabilities of the executive team, providing core leadership support for the Company to navigate complex environments and drive continuous transformation.

External Resource Integration

The Company continues to upgrade external training from knowledge transfer to value-driven capability enhancement. On the one hand, industry experts are engaged to empower the marketing system (OTC and MCR processes) and manufacturing system (lean improvement and OBS system), directly supporting business breakthroughs and benchmark factory development. On the other hand, senior executives are organized to participate in specialized programs on strategic planning, digital transformation, and industry benchmarking, continuously enhancing their business mindset and strategic insight.

Employee Promotion and Career Development

Employee Promotion

To align with its strategic priorities—customer first, product leadership, lean-driven operations, and global expansion—and corresponding capability requirements, Orinko implements employee promotion that aims to better attract, motivate, and retain high-caliber talent, following the principles of objective assessment, step-by-step promotion, and dynamic talent management. Adhering to the principles of openness, fairness, and impartiality, Orinko conducts comprehensive evaluations of employees' job competencies. As a general rule, promotions are carried out on a step-by-step basis; however, employees with significant achievements and outstanding performance may be granted exceptional promotion opportunities. The Company also implements dynamic talent management that supports merit-based upward and downward mobility, along with flexible recruitment and exit mechanisms.

Career Development Pathways

Orinko places strong emphasis on employee career development and has established a multi-path promotion mechanism covering management, sales, technical, and operational tracks. The Company has developed a structured and standardized job qualification management system that clearly defines career development pathways and criteria for employees. Based on talent reviews, Orinko builds a structured talent pipeline and continuously improves job rotation and internal mobility mechanisms to effectively stimulate talent vitality and promote capability enhancement and optimal talent allocation. Through these efforts, employee career development is closely integrated into the Company's governance framework, supporting the upgrading of organizational capabilities.

Job Qualification Framework Development

Strategic and business-oriented

Rooted in corporate strategy and planning, and designed to support the achievement of strategic objectives.

Multi-track career development-oriented

Establishes five career tracks—management, sales, technical, functional, and operational. Employees may choose their career path based on individual positioning, and cross-track mobility is supported where appropriate.

Capability and contribution-oriented

Focuses on both professional competencies and value contribution.

Dynamic management-oriented

Qualification standards are regularly reviewed and updated, with continuous optimization of the management system.

Employee Care and Public Welfare Initiatives

Employee Care

Orinko has built a comprehensive, people-centered and vibrant employee care system that enhances employees' sense of belonging and well-being.

In terms of holiday engagement, the Company organizes a variety of themed activities during traditional festivals and statutory holidays, including the Lantern Festival, International Women's Day, Mother's Day, Father's Day, the Mid-Autumn Festival, and National Day, while also providing dedicated employee benefits. In addition, annual summer team-building trips are arranged to strengthen team cohesion.



To enrich employees' cultural and recreational life, Orinko has developed sports and recreational facilities, including basketball courts, badminton courts, and fitness centers. It regularly organizes employee skills competitions and sports events such as tug-of-war, basketball, badminton, and shuttlecock kicking. These activities enhance employees' overall competencies through competitive engagement and strengthen teamwork and collaboration. In addition, the Company conducts diverse and flexible skills competitions and technological innovation activities from time to time, which not only foster employees' professionalism and dedication, but also enhance their sense of ownership. These initiatives fully stimulate innovative thinking as well as work initiative and enthusiasm.

In terms of living and office support facilities, the Company continues to enhance its physical infrastructure.

Employee dormitories

The Company has advanced dormitory renovation and upgrading, and improved supporting facilities, creating a comfortable and livable accommodation environment.

Employee canteens

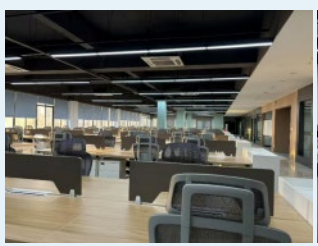
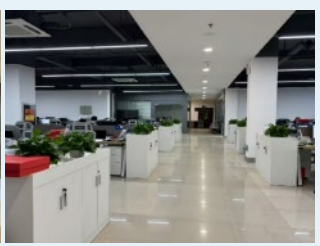
The Company continues to optimize menu variety and improve meal quality, ensuring food hygiene, safety, nutrition, and health for employees.

Commuting services

Dedicated employee shuttle buses are provided to address long-distance commuting challenges, significantly improving commuting convenience.

Office environment

The Company has completed the renovation and redesign of office buildings, creating a comfortable, elegant, and modern workspace.

Public Welfare and Charity

Orinko consistently adheres to the principle of "developing the enterprise and giving back to society," and actively engages in public welfare and philanthropic initiatives, fulfilling its corporate social responsibility through concrete actions. In 2025, the Company carried out two key charitable programs—elderly care support and education assistance— conveying corporate warmth and positive social values.

Double Ninth Festival Elderly Care Initiative

On October 28, 2025, Orinko, in collaboration with the Cultural Station of Fengle Town, Feixi County, carried out an elderly care initiative at the Xincang Nursing Service Center to celebrate the Double Ninth Festival. The Company delivered warm supplies including scarves, gloves, hats, thermos flasks, and towels to 115 elderly residents. Volunteers provided attentive companionship and care to seniors with limited mobility. A cultural performance was held on-site as part of the festival visit, offering festive greetings and entertainment. Through these actions, the Company actively promoted the traditional Chinese virtues of respecting and caring for the elderly, while demonstrating its commitment to corporate social responsibility.

Education Support Initiative for Students in Need

On November 19, 2025, a delegation from Orinko's Party Branch visited Jiuzishan Public School in Qingyang County, Chizhou City, to carry out an education support initiative. The Company provided scholarships to students in need. Company representatives encouraged the students to stay committed, work diligently, and pursue personal growth, emphasizing that knowledge and perseverance pave the way to a better future. The school expressed sincere gratitude for Orinko's charitable support. Through this initiative, the Company helped students pursue their dreams and contributed to the development of local education through concrete actions.

Looking ahead, Orinko will continue to deepen its engagement in public welfare initiatives and expand the forms of its philanthropic practices. Through diversified actions such as education support, elderly care, and rural revitalization, the Company will give back to society and demonstrate its identity as a responsible corporate citizen.

Appendix

Key ESG Data

Corporate Governance Performance

Primary indicator	Secondary indicator	Unit	2024	2025
Corporate governance for listed companies	Number of shareholders' meetings held	times	4	2
	Number of board meetings held	times	9	11
	Number of resolutions reviewed at shareholders' meetings	item	23	13
	Number of resolutions reviewed at board meetings	item	48	42
	Number of Strategic Development and ESG Committee meetings held	times	-	2
	Proportion of independent directors	%	42.86	42.86
	Proportion of female directors	%	14.29	14.29
Information disclosure	Number of information disclosure documents	count	80	86
	No violations in information disclosure	Yes/No	Yes	Yes
Anti-unfair competition	Anti-unfair competition-related lawsuits/penalties	case	0	0
Information security	Customer privacy complaints	case	0	0
	Data breach/loss incidents	incident	0	0
Business ethics	Confirmed corruption incidents	incident	0	0
	Unfair competition and antitrust incidents	incident	0	0
	Anti-corruption training sessions	times	1	1
	Coverage rate of anti-corruption training for directors, supervisors, and senior management	%	100	100
	Proportion of management receiving anti-bribery and anti-corruption training	%	100	100
	Completion rate of anti-fraud system development	%	100	100
	Accessibility rate of whistleblowing channels	%	100	100
Intellectual property management	Cumulative patent applications	item	906	1181
	Cumulative invention patent applications	item	840	976
	Cumulative utility model patent applications	item	66	196
	Cumulative design patent applications	item	0	9
	Cumulative patents granted	item	274	314
	Cumulative invention patents granted	item	220	253
	Cumulative utility model patents granted	item	54	61
	Patent applications during the Reporting Period	item	138	275
	Invention patent applications during the Reporting Period	item	129	136
	Utility model patent applications during the Reporting Period	item	9	130
	Design patent applications during the Reporting Period	item	0	9
	Patents granted during the Reporting Period	item	31	40
	Invention patents granted during the Reporting Period	item	31	33
	Utility model patents granted during the Reporting Period	item	0	7

Environmental Performance

Primary indicator	Secondary indicator	Unit	2024	2025
Carbon emissions management	Scope 1 GHG emissions	tCO_2e	1087.23	4446.80
	Scope 2 GHG emissions (location-based)	tCO_2e	110959.35	127637.29
	Scope 2 GHG emissions (market-based)	tCO_2e	-	123720.38
	Scope 3 GHG emissions	tCO_2e	1343568.39	1412979.77
	Total GHG emissions (Scope 1 + Scope 2 + Scope 3)	tCO_2e	1455614.97	1541146.96
	Carbon emissions intensity per unit of revenue (operations)	tCO_2e/RMB10,000	0.18	0.20
	Carbon emissions intensity per unit of revenue (value chain)	tCO_2e/RMB10,000	2.39	2.37
Green product	Number of recycled material product certifications	item	179	182
Green factory	Number of green factory certifications	count	2	4
Environmental management	Total investment in environmental protection	RMB10,000	2025	1380
	Environmental non-compliance/penalty incidents	incident	0	0
Energy management	Carbon emissions intensity per unit of revenue (value chain)	%	100	100
	Purchased electricity consumption	MWh	204623.53	230847.52
	Self-generated electricity consumption (rooftop PV)	MWh	17289.57	21365.64
	Total electricity consumption	MWh	221913.10	252213.16
	Steam consumption	ton	-	15837.00
	Diesel consumption	ton	0	0
	Natural gas consumption	m^3	448848.88	1839366.00
	Share of renewable electricity use (including rooftop PV and renewable energy certificates)	%	7.8	11.40
Water resource management	Total water withdrawal	ton	558300	475222
	Water consumption per unit of revenue	ton/RMB10,000	0.92	0.73
Pollutant emissions management	Wastewater discharge compliance rate	%	100	100
	Air emissions compliance rate	%	100	100
Waste management	Total waste generation	ton	3131.44	2585.62
	Total hazardous waste generation	ton	274.86	312.58
	Total non-hazardous waste generation	ton	2856.59	2273.04
	Hazardous waste compliant disposal rate	%	100	100

Social Performance

Primary indicator	Secondary indicator	Unit	2024	2025
Protection of employee rights and interests	Labor contract signing rate	%	100	100
	Social insurance coverage rate	%	100	100
Employee health and safety	Number of work-related fatalities and serious injuries	person	0	0
	Occupational disease incidence rate	%	0	0
	Occupational health examination coverage rate	%	100	100
	Work safety training coverage rate	%	100	100
	Hazard rectification rate	%	100	100
	Facility and equipment maintenance rate	%	100	100

Primary indicator	Secondary indicator	Unit	2024	2025
Employment management	Total number of employees	person	2279	2206
	By gender - Male employees	person	1866	1815
	By gender - Female employees	person	413	391
	By age group - Employees aged 50 and above	person	224	232
	By age group - Employees aged 40-50 (exclusive)	person	402	389
	By age group - Employees aged 30-40 (exclusive)	person	823	869
	By age group - Employees under 30 (exclusive)	person	830	716
	By education level - Doctoral degree	person	22	24
	By education level - Master's degree	person	201	193
	By education level - Bachelor's degree and below	person	2056	1989
	By function - R&D and technical personnel	person	566	583
	By function - Production and manufacturing personnel	person	1129	1100
	By function - Sales personnel	person	236	211
	By function - Management personnel	person	348	312
	Employees with disabilities	person	5	5
	Proportion of employees with disabilities	%	0.2	0.2
Product quality and safety	Major product quality incidents	incident	0	0
	Product traceability coverage rate	%	98	100
	Customer complaint resolution rate	%	100	100
	Customer satisfaction	%	97.0	95.6
Innovation-driven	R&D personnel	person	566	583
	Proportion of R&D personnel	%	24.84	26.43
	R&D investment	RMB10,000	27511.99	30588.51
	R&D investment as a percentage of revenue	%	4.52	4.71

Primary indicator	Secondary indicator	Unit	2024	2025
Employee training	Total training hours for employees	hour	8535	9400
	Total number of training sessions for employees	times	800	710
	Average training hours per employee	hour	9.5	14.7
	Average safety training hours per employee	hour	40	45
	Average training hours per new employee	hour	10	10
	Coverage rate of new employee training	%	100	100
	Employee training coverage rate	%	100	100
	Annual training expenditure	RMB10,000	450.1	529.3
	Number of internal trainers certified	person	55	50
	Coverage rate of campus recruits development programs	%	100	100
	Percentage of employees receiving regular performance and career development reviews	%	100	100
Supply chain management	Total number of suppliers	count	484	539
	Number of domestic suppliers	count	474	529
	Number of overseas suppliers	count	10	10
	Number of newly added suppliers during the Reporting Period	count	71	55
	Number of suppliers removed during the Reporting Period	count	0	1
	Number of supplier audits conducted during the Reporting Period	times	35	28
	Proportion of suppliers signing the integrity agreement	%	95	95
	Proportion of newly onboarded suppliers screened using environmental standards	%	100	100
	Number of suppliers identified with significant negative environmental/social impacts	count	0	0

Index of Reporting Indicators

Guidelines No. 14 of Shanghai Stock Exchange for Self-Regulation of Listed Companies—Sustainability Report (Trial)

Dimension	Topic	Article	Corresponding Sections of This Report
Environmental	Climate change tackling	Article 21-28	Low-Carbon Transition – Carbon Neutrality Strategic Actions / Low-Carbon Transition – Response to Climate Change
	Pollutant discharge	Article 30	Environmental Management – Pollution and Emissions Management
	Waste disposal	Article 31	Environmental Management – Pollution and Emissions Management
	Ecosystem and biodiversity protection	Article 32	Environmental Management – Ecological Protection and Biodiversity
	Environmental compliance management	Article 33	Environmental Management – Environmental Management
	Energy usage	Article 35	Environmental Management – Energy Management
	Usage of water resources	Article 36	Environmental Management – Water Resource Management
	Circular economy	Article 37	Feature: Recycling for a Better Shared Future / Low-Carbon Transition – Circular Development / Green and Innovation-Oriented Development – Green Products and Solutions
Social	Rural revitalization	Article 39	Human Resources Management – Employee Care and Public Welfare Initiatives
	Contributions to the society	Article 40	Human Resources Management – Employee Care and Public Welfare Initiatives
	Innovation-driven	Article 42	Green and Innovation-Oriented Development – R&D Innovation / Green and Innovation-Oriented Development – Green Products and Solutions
	Ethics of science and technology	Article 43	During the Reporting Period, the Company's business did not involve technology fields such as genetics or artificial intelligence ethics, nor did its operations involve activities related to ethics of science and technology.
	Supply chain security	Article 45	Industrial Co-construction – Supply Chain Management
	Equal treatment to small and medium-sized enterprises	Article 46	During the Reporting Period, the Company had no overdue payments to SMEs, and there were no accounts payable (including notes payable) balances exceeding RMB30 billion or accounting for more than 50% of total assets as of the end of the Reporting Period.
	Safety and quality of products and services	Article 47	Industrial Co-construction – Product Quality and Safety
	Data security and customer privacy protection	Article 48	Corporate Governance – Information Security
	Employees	Article 50	Human Resources Management – Sections from "Protection of Employee Rights and Interests" to "Employee Care and Public Welfare Initiatives" / Work Safety Management – Sections from "Work Safety Management" to "Safety Emergency Response"
Governance	Due diligence	Article 52	Industrial Co-construction – Supply Chain Management / Corporate Governance – Internal Audit
	Communications with stakeholders	Article 53	Sustainable Development Management – Communication with Stakeholders
	Anti-commercial bribery and anti-corruption	Article 55	Corporate Governance – Business Ethics
	Anti- unfair competition	Article 56	Corporate Governance – Business Ethics

Chapter	Section	GRI Standards	ESRS Standards
About the Report	About the Report	GRI 2-1 Organizational details GRI 2-2 Entities included in the organization's sustainability reporting GRI 2-3 Reporting period, frequency and contact point	ESRS 2 BP-1 Basis for preparation ESRS 2 BP-2 Reporting boundary
Message from Chairperson	Message from Chairperson	GRI 2-22 Statement on sustainable development strategy GRI 2-23 Policy commitments	ESRS 2 GOV-1 Governance, risk management and control
Feature	Feature: Recycling for a Better Shared Future — Orinko's PCR Material-based Circular Economy Business	GRI 301-3 Reclaimed products and their packaging materials GRI 306-2 Management of significant waste-related impacts GRI 306-4 Waste diverted from disposal	ESRS E5-1 Resource inflows and outflows ESRS E5-5 Circular design of products
About Orinko	Company Profile	GRI 2-1 Organizational details	/
	Corporate Culture	GRI 2-6 Activities, value chain and other business relationships	/
	Development Course	GRI 2-23 Policy commitments	/
	Business Layout	GRI 2-24 Embedding policy commitments	/
	Globalized Services	GRI 2-1 Organizational details	/
	Honors and Awards in 2025	/	/
Sustainable Development Management	ESG Strategy	GRI 2-22 Statement on sustainable development strategy GRI 2-23 Policy commitments	ESRS 2 GOV-1 Governance, risk management and control ESRS 2 SBM-1 Strategy, business model and value chain
	ESG Governance	GRI 2-9 Governance structure and composition GRI 2-12 Role of the highest governance body in overseeing the management of impacts GRI 2-13 Delegation of responsibility for managing impacts	ESRS 2 GOV-1 Governance, risk management and control

Chapter	Section	GRI Standards	ESRS Standards
Sustainable Development Management	Communication with Stakeholders	GRI 2-29 Approach to stakeholder engagement	ESRS 2 SBM-2 Stakeholder engagement
	Evaluation of Materiality Issues	GRI 3-1 Process to determine the material topics GRI 3-2 List of material topics	ESRS 2 IRO-1 The processes to assess impacts, risks and opportunities
Green and Innovation-Oriented Development	R&D Innovation	GRI 203-1 Infrastructure investments and services supported GRI 305-5 Reduction of GHG emissions	ESRS E1-5 Energy efficiency and renewable energy
	Green Products and Solutions	GRI 301-1 Materials used by weight or volume GRI 301-2 Recycled input materials used GRI 305-5 Reduction of GHG emissions	ESRS E1-5 Energy efficiency and renewable energy ESRS E5-5 Circular design of products
	Intellectual Property Protection	/	ESRS G1-4 Intellectual property protection
Industrial Co-construction	Carbon Neutrality Strategic Actions	GRI 416-1 Assessment of the health and safety impacts of product and service categories GRI 417-1 Requirements for product and service information and labeling	ESRS S4-1 Management of impacts on consumers and end-users ESRS S4-2 Material impacts on consumers and end-users
	Response to Climate Change	GRI 2-6 Activities, value chain and other business relationships GRI 308-1 New suppliers that were screened using environmental criteria GRI 414-1 New suppliers that were screened using social criteria	ESRS S2-1 Management of impacts on workers in the value chain
	Circular Development	GRI 417-2 Incidents of non-compliance concerning product and service information and labeling GRI 418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	ESRS S4-1 Management of impacts on consumers and end-users ESRS S4-2 Material impacts on consumers and end-users
	Governance System of the Listed Company	GRI 2-9 Governance structure and composition GRI 2-12 Role of the highest governance body in overseeing the management of impacts GRI 2-13 Delegation of responsibility for managing impacts GRI 2-27 Compliance with laws and regulations	ESRS 2 GOV-1 Governance, risk management and control

Chapter	Section	GRI Standards	ESRS Standards
Corporate Governance	Internal Audit	GRI 2-12 Role of the highest governance body in overseeing the management of impacts GRI 2-13 Delegation of responsibility for managing impacts	ESRS 2 GOV-1 Governance, risk management and control
	Business Ethics	GRI 205-1 Operations assessed for risks related to corruption GRI 205-2 Communication and training about anti-corruption policies and procedures	ESRS G1-1 Business conduct policies ESRS G1-3 Corruption and bribery
	Information Security	GRI 418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	ESRS S4-3 Privacy protection of consumers and end-users
	Digital Construction	/	/
Low-Carbon Transition	Carbon Neutrality Strategic	GRI 201-2 Financial implications and other risks and opportunities due to climate change GRI 302-1 Energy consumption within the organization GRI 305-1 Direct (Scope 1) GHG emissions GRI 305-2 Energy indirect (Scope 2) GHG emissions GRI 305-4 GHG emissions intensity GRI 305-5 Reduction of GHG emissions	ESRS E1-1 Transition plan ESRS E1-2 Climate change policies ESRS E1-3 Climate action targets ESRS E1-5 Emissions reduction across own operations and the value chain ESRS E1-9 GHG emissions
	Actions	GRI 201-2 Financial implications and other risks and opportunities due to climate change GRI 305-1 Direct (Scope 1) GHG emissions GRI 305-2 Energy indirect (Scope 2) GHG emissions	ESRS E1-1 Transition plan ESRS E1-2 Climate change policies ESRS E1-3 Climate action targets ESRS E1-9 GHG emissions
	Response to Climate Change Circular Development	GRI 301-3 Reclaimed products and their packaging materials GRI 306-2 Management of significant waste-related impacts GRI 306-4 Waste diverted from disposal	ESRS E5-1 Resource inflows and outflows ESRS E5-5 Circular design of products
	Environmental Management	GRI 306-1 Waste generation and significant waste-related impacts GRI 307-1 Non-compliance with environmental laws and regulations	ESRS E2-2 Pollution management ESRS E2-3 Targets related to pollution

Chapter	Section	GRI Standards	ESRS Standards
Environmental Management	Energy Management	GRI 302-1 Energy consumption within the organization GRI 302-3 Energy intensity GRI 302-4 Reduction of energy consumption	ESRS E1-5 Energy efficiency and renewable energy
	Water Resource Management	GRI 303-1 Interactions with water as a shared resource GRI 303-2 Management of water discharge-related impacts GRI 303-3 Water withdrawal GRI 303-4 Water discharge	ESRS E3-1 Policies related to water ESRS E3-2 Management of water resources ESRS E3-4 Water consumption
	Pollution and Emissions Management	GRI 305-7 Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions GRI 306-2 Management of significant waste-related impacts GRI 306-3 Waste generated	ESRS E2-2 Pollution management ESRS E2-3 Targets related to pollution
	Ecological Protection and Biodiversity	GRI 304-1 Operational sites owned, leased, managed in, or adjacent to protected areas and areas of high biodiversity value outside protected areas GRI 304-2 Significant impacts of activities, products, and services on biodiversity GRI 304-3 Habitats protected or restored	ESRS E4-1 Policies related to biodiversity ESRS E4-2 Biodiversity management ESRS E4-4 Impacts on biodiversity
Work Safety Management	Work Safety Management	GRI 403-1 Occupational health and safety management system GRI 403-2 Hazard identification, risk assessment, and incident investigation GRI 403-5 Worker training on occupational health and safety GRI 403-9 Work-related injuries	ESRS S1-14 Health and safety ESRS S1-15 Work-related injuries
	Dual Prevention Mechanism	GRI 403-2 Hazard identification, risk assessment, and incident investigation	ESRS S1-15 Work-related injuries
	Occupational Health and Safety	GRI 403-3 Occupational health services GRI 403-5 Worker training on occupational health and safety	ESRS S1-14 Health and safety ESRS S1-15 Work-related injuries
	Safety Emergency Response	GRI 403-2 Hazard identification, risk assessment, and incident investigation GRI 403-9 Work-related injuries	ESRS S1-15 Work-related injuries

Chapter	Section	GRI Standards	ESRS Standards
Human Resources Management	Protection of Employee Rights and Interests	GRI 401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees GRI 405-1 Diversity of governance bodies and employees GRI 406-1 Incidents of discrimination and corrective actions taken	ESRS S1-1 Policies related to own workforce ESRS S1-4 Non-discrimination and equal opportunities
	Human Resources Management	GRI 401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees GRI 405-1 Diversity of governance bodies and employees	ESRS S1-1 Policies related to own workforce
	Employee Communication	GRI 2-29 Approach to stakeholder engagement	/
	Employee Development and Training System	GRI 404-1 Average hours of training per year per employee	ESRS S1-13 Skills development
	Employee Promotion and Career Development	GRI 404-2 Programs for upgrading employee skills and transition assistance programs	ESRS S1-13 Skills development
	Employee Care and Public Welfare Initiatives	GRI 413-1 Operations with local community engagement, impact assessments, and development programs	ESRS S3-1 Management of impacts on local communities ESRS S3-2 Material impacts on local communities