

Gokin

2024 | Environmental, Social and Governance (ESG) Report



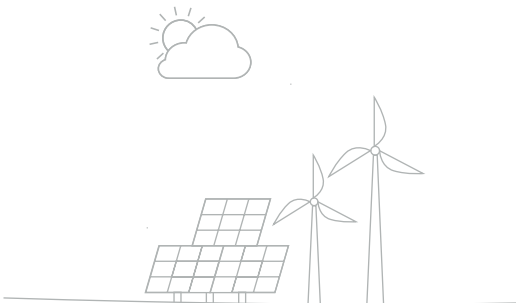
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About This Report

This is the second environmental, social and governance (ESG) report released by Gokin Solar Co., Ltd. (hereinafter referred to as "Gokin Solar", "the Company" or "we"), in which the Company's management, practices, and performance in undertaking corporate social responsibility and practicing sustainable development in 2024 are disclosed, while material topics of stakeholder concerns are addressed.

Basis for Compilation

- Global Reporting Initiative (GRI) Standards 2021
- Sustainability Accounting Standards Board (SASB) Standards for Solar Technology and Project Developers
- United Nations Sustainable Development Goals 2030 (SDGs)

Reporting Boundary

Organizational boundary: Focusing on Gokin Solar, this report covers the following entities:

Entity Name	Referred to as
Gokin Solar Co., Ltd.	Gokin Solar
Guangdong Jinwan Gokin Solar Technology Co., Ltd.	Jinwan Gokin (Solar)/Zhuhai base
Qinghai Gokin Solar Technology Co., Ltd.	Qinghai Gokin (Solar)/Xi'ning base
Sichuan Gokin Solar Technology Co., Ltd.	Sichuan Gokin (Solar)/Yibin base
Guangzhou Gokin Solar Technology Co., Ltd.	Guangzhou Gokin (Solar)/Guangzhou base

Time frame: From January 1, 2024 to December 31, 2024, with a small amount of data outside of this time frame included

Reporting cycle: Once a year

Data Sources

Information and data in this report come from our original ledgers, documents, audit reports, etc. Some data are from our 2024 annual report. Unless otherwise specified, all amounts herein are presented in Chinese Yuan (CNY).

Board of Directors' Statement

This report was released after review and approval by Gokin Solar's Board of Directors. The Board of Directors and all directors guarantee there is no falsifications, misleading statements or major omissions herein. Gokin Solar is responsible for the authenticity, accuracy and completeness of this report.

Report Release

The report is published online in Chinese and English. Should there be any discrepancy between the two versions, the Chinese version shall prevail. Please download it on our website (<https://www.gokinsolar.com>).

Suggestions and Feedback

For comments and suggestions on this report, please contact us:

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Message from the Chairman



"

The year 2024 marked a critical juncture for the global photovoltaic (PV) industry, as it entered a phase of profound transformation. Amid a complex and volatile market landscape, Gokin Solar has consistently upheld its corporate mission: "bring greater benefits to humanity through solar energy". As a dynamic private enterprise in China's PV sector, we have set our course with innovation as our oar and quality as our sail, advancing with patriotic resolve at the crest of the industry's transformation wave. Over the past year, our total wafer shipments reached 64.78 GW, a year-on-year increase of approximately 30%, while also establishing a production capacity of 90GW. Our business footprint now spans more than 30 countries and regions, including the United States and Germany, writing a new chapter in sustainable development for China's private economy.

"

Illuminating Green Hills with Subtle Light, Safeguarding the Future with Clean Power

Gokin Solar is a committed practitioner of environmental protection. Through measures such as rooftop photovoltaic power generation systems, we have deepened our commitment to green development, advancing renewable energy adoption and energy conservation with emission reductions, achieving substantial results. During the reporting period, our Zhuhai base achieved a 19.89% reduction in electricity consumption intensity and an 8.25% reduction in water consumption intensity year-on-year. At our Xi'ning base, electricity consumption intensity decreased by 1.3% and water consumption intensity by 14.5% compared with the past year. Meanwhile, Sichuan Gokin earned its PAS 2060 Carbon Neutrality Certificate, becoming our first zero-carbon factory – a milestone breakthrough in our advancement of the green energy industry. Additionally, our full suite of PV wafer products has attained ISO 14067 product carbon footprint certification, demonstrating our unwavering commitment to carbon reduction targets.

Leading Smart Manufacturing, Achieving Outstanding Zero-carbon Performance

Gokin Solar is dedicated to delivering superior products and services to our customers. Through innovative measures, such as adopting advanced wafer-cutting techniques to reduce line loss and optimizing slicing processes to enhance wafer surface quality, we continuously reinforce product performance. We have launched a series of high-efficiency back-contact (BC) modules, securing multiple management system certificates, including ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 45001 (Occupational Health & Safety), ISO 37301 (Compliance Management), and ISO 50001 (Energy Management). These accreditations reflect our brand positioning of “integrating industry excellence, achieving outstanding results, and benefiting the public”, conveying our determination to harness industry expertise, produce extraordinary outcomes, and deliver broad social benefits. Additionally, Gokin Solar strengthens mutually beneficial industry cooperation through strategic partnerships, establishing collaborative relationships with numerous domestic and international partners to jointly contribute to global energy transition.

Starlight Mutual Aid, Fulfilling Our Social Responsibility

Gokin Solar consistently practices corporate social responsibility with a people-centric development philosophy. Through a robust talent development system and competitive compensation and benefits, we grow alongside our employees. We have also established the “Starlight Foundation”, pooling charitable resources to provide employee support while contributing to societal burden reduction and efficiency enhancement, carrying forward the fine traditions of solidarity, mutual aid, and reciprocal support. Beyond this, we maintain long-term engagement in community investment, social welfare, equal educational opportunities, and other social welfare domains, earning recognitions such as the Jinwan District Red Cross Contribution Award and the “Passionate about Public Welfare, Warming Jinwan” corporate title.

“Riding the wind and cleaving the waves, we shall set our sail to cross the vast sea”. In 2025, Gokin Solar will embark on a renewed journey, harnessing the momentum of the energy revolution to conquer every technological summit and surpass every efficiency frontier. Empowered by innovation, we strive toward our vision to “become a benchmark enterprise in the global photovoltaic field”.

May the radiance of the sun endure forever, and may “PV” illuminate a new green era!

Chairman of Gokin Solar
Zhiqun Xu

About Gokin Solar

Company Overview

Established in 2019, Gokin Solar Co., Ltd. (hereinafter "Gokin Solar") focuses on photovoltaic solar energy and aims to become a benchmark enterprise in the global photovoltaic sector.

Following the mission to "bring greater benefits to humanity through solar energy", we have proactively made overall arrangement of core links of the industry chain, and formed three business sectors for monocrystalline silicon rods/wafers, photovoltaic modules, and photovoltaic power stations. We offer photovoltaic products and solutions to global markets and boost the building of a new energy system.

We run **4** production bases and **5** power station development centers around the world, and our business marketing center is located in Jiangsu, China. Embracing product presence in over **30** countries and regions including the United States, Germany, Italy, Malaysia, etc., we contribute to global zero-carbon development through an efficient, professional global service network covering multiple levels and supported by multiple channels.

During the reporting Period, the Company reported:

Total assets of CNY

19.095 billion

Operating revenue of CNY

11.996 billion

Total silicon wafer shipments of

64.78 GW

Total modules shipments

2.02 GW

Global workforce of

6,556 employees

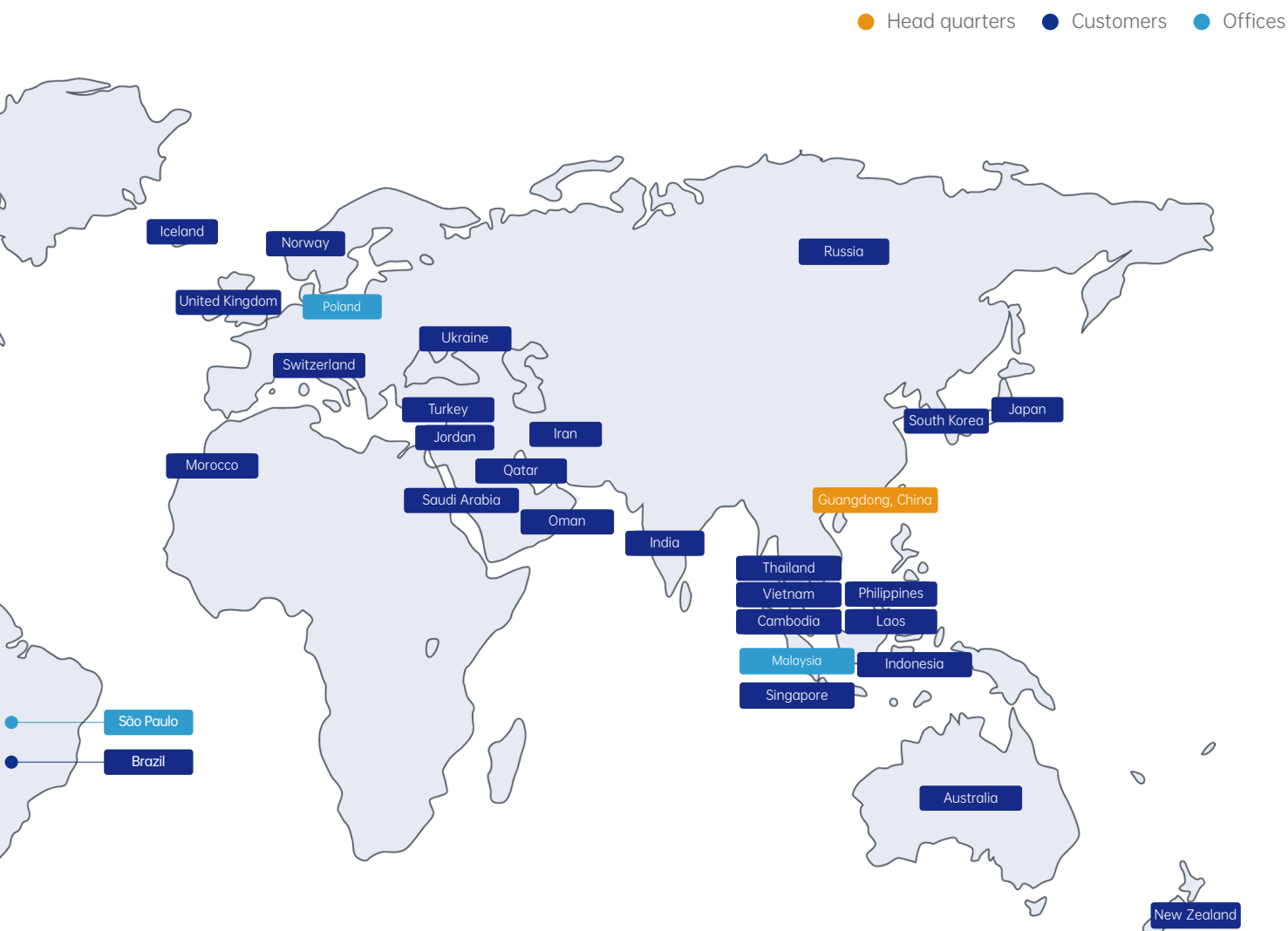


Our Business

Rooted in China and serving the world, Gokin Solar ensures rapid delivery of premium products and responsive, professional services.

From PV silicon wafers to high-efficiency modules, Gokin Solar delivers industry-leading N-type products characterized by maximum efficiency and optimal cost performance. This dual synergy of customer and product value has enabled the Company to expand across over 30 countries and regions worldwide. Leveraging its strong market share and innovation-driven approach, Gokin Solar continues to secure a leading position in the global market.

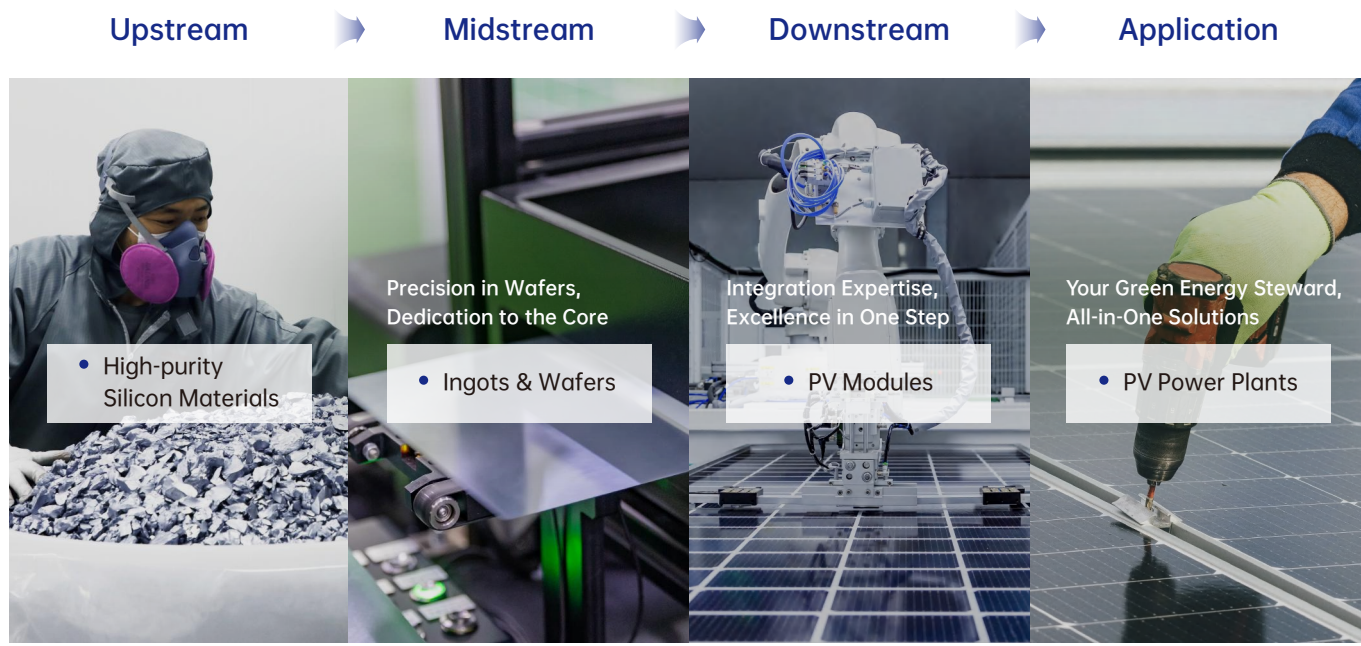
▼ Business Layout



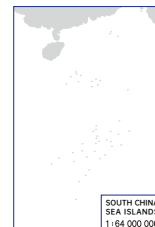
Collaborative Layout of the Entire Industry Chain: Four Bases and One Center



PV Industry Chain Layout



PV Industry Chain Layout



● Business Marketing Center

● Production Bases

Corporate Culture

▣ Mission

- Bring greater benefits to humanity through solar energy

▣ Vision

- Become a benchmark enterprise in the global photovoltaic field

▣ Core Values

- Gokin's undertone. We regard the Company as a platform for common growth and a shared endeavor, ensuring the Company's sustainable and long-term development

- Gokin's "atmosphere". Employees can focus on their work without distraction because of the simple relationships between people and the simple and clear system

- Gokin's working "standards". We constantly strive for perfection in every detail, and achieve the optimal results to set an industry benchmark

- Gokin's "guide to action". We focus on our core duties while expanding boundaries, daring to break through and innovate without sticking to conventions

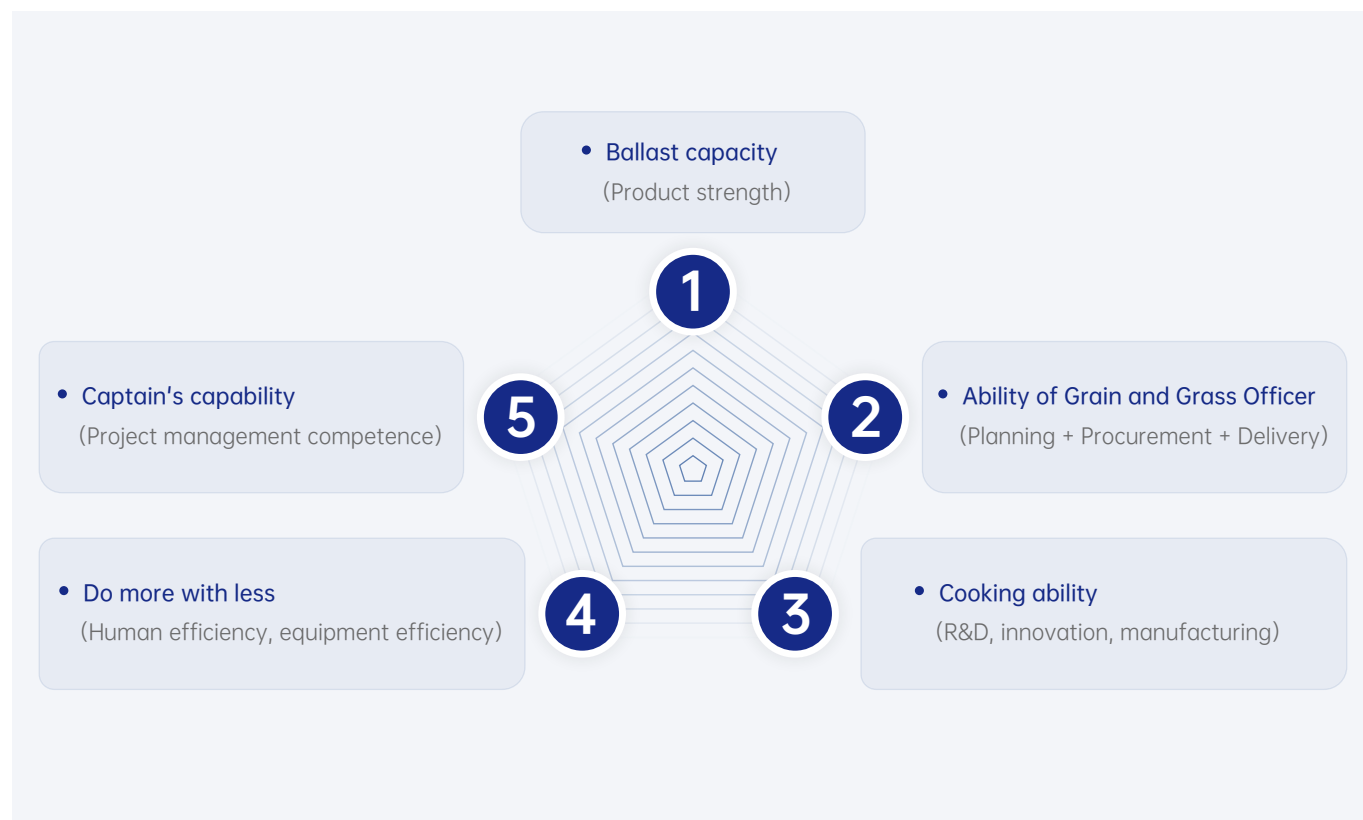


- Gokin's "goal". We aim to achieve the Company's business goals and social value, while also promoting the shared achievements of employees, shareholders, customers, and the government

Business Philosophy

- Integrity as our foundation
- talent and management as our strength
- products as our priority
- innovation as our path to success

The "5 Forces" of Excellent Management



Milestones



July 3, 2019

Gokin Solar was formally established
Joint investment by Zhuhai-based
state-owned enterprise Huafa Group
and leading investment firm IDG
Capital



December 10, 2020

Project initiation
Signed CNY**17 billion** investment
agreement with Zhuhai at the
Macao-Zhuhai Entrepreneur Summit



January 29, 2021

Groundbreaking of Zhuhai base
Planned a monocrystalline silicon
wafer project with **50 GW** capacity



August 10, 2022

Series B financing completed
Raising over CNY**2.5 billion**



June 10, 2022

Gokin **30 GW** in full production
Three months ahead of schedule,
outperforming expectations



April 30, 2022

Series A financing completed
Raising CNY**1.6 billion**





February 23, 2021

Strategic cooperation agreement
with Xi'ning

Total investment: CNY**18** billion



March 12, 2021

Groundbreaking of Xi'ning base
Planned a silicon ingot project with

50 GW capacity

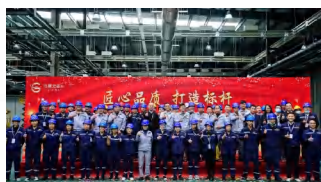


June 15, 2021

Xi'ning base (Phase I) was put into
trial production

Which achieves a silicon ingot
capacity of **15** GW

It took only **93** days from ground-
breaking to trial production



February 10, 2022

Zhuhai base (Phase II) was put into
trial production

Which creates a silicon wafer
capacity of **15** GW



January 22, 2022

Xi'ning base (Phase II) was put into
trial production

Which creates a silicon ingot
capacity of **15** GW



June 18, 2021

Zhuhai base (Phase I) was put into
trial production

Which creates a silicon wafer
capacity of **15** GW

It took only **140** days from ground-
breaking to trial production



September 27, 2022

Groundbreaking of Yibin base
Planned a silicon ingot project with
50 GW capacity
Planned a silicon wafer project with
30 GW capacity



December 10, 2022

Yibin base (Phase I) was put into trial
production
Which achieves a silicon ingot
capacity of **25 GW** and silicon
wafer capacity of **25 GW**
It took only **74 days** from ground-
breaking to trial production



April 10, 2023

Zhuhai base (Phase III) was put into
trial production
Which creates a silicon wafer
capacity of **20 GW**



November 17, 2023

Yibin base (Phase 1.5) was put into
production
Which creates a silicon ingot
capacity of **13 GW**



October 25, 2023

Guangzhou Gokin successfully
launched its first module
TOPCon technology route
182 and 210 large-size high-efficien-
cy modules



June 30, 2023

Future Prospects
Achieved **55 GW** silicon ingot and
75 GW silicon wafer production
capacity



December 23, 2023

Guangzhou base (Phase I) was put
into production
Which embraces a module capacity
of **4 GW**

March 1, 2024

Establishment of Zhuhai Gokin New
Energy Investment Co., Ltd.
A strategic move into the power
station segment



November 29, 2024

Gokin Solar entered into a strategic
partnership with AIKO
Jointly building the BC industry
ecosystem

Honors Received



Awards Received

In 2024, Gokin Solar continued to cultivate excellence in its industry and sustainability practices, receiving multiple accolades for its leadership and contributions to sustainable development.

Industry leadership

Recipient	Award	Issuing organization
Gokin Solar	2023 VENTURE 50	Zero2IPO Entrepreneur
	Global Unicorn Index 2024	Hurun Report
	Top 500 Manufacturing Enterprises in Guangdong Province 2024 (Ranked 32nd)	Guangdong Manufacturers Association, Guangdong Institute of Development and Reform, Institute of Industrial Economics, Jinan University
	Excellent Enterprise of the Year – Guangdong Solar Energy 2024	Guangdong Solar Energy Association
	Global Top 500 New Energy Enterprises 2024 (Ranked 115th)	China Energy News
	China's Top 500 Energy Enterprises 2024 (Ranked 192nd)	China Energy News, China Institute of Energy Economics
Jinwan Gokin	Smart Photovoltaic Pilot Demonstration Enterprise (Fourth Batch)	Department of Electronic Information, Ministry of Industry and Information Technology
	Smart Photovoltaic Pilot Demonstration Project (Fourth Batch)	Department of Electronic Information, Ministry of Industry and Information Technology
	Key Foreign Trade Enterprise of Guangdong Province	Department of Commerce of Guangdong Province
	Excellence Award – 7th Zhuhai “Mayor Cup” Industrial Design Competition	Zhuhai Bureau of Industry and Information Technology
	2023 Zhuhai Top 100 Innovative Enterprises by Growth	Zhuhai Bureau of Science and Technology Innovation
	2023 Zhuhai Top 100 Innovative Enterprises by Comprehensive Strength	Zhuhai Bureau of Science and Technology Innovation

Recipient	Award	Issuing organization
Jinwan Gokin	2023 Zhuhai Top 100 Innovative Enterprises by Economic Contribution	Zhuhai Bureau of Science and Technology Innovation
	Key Laboratory for Large-sized Monocrystalline Silicon Wafers for Solar Use in Zhuhai	Zhuhai Bureau of Science and Technology Innovation
	2024 Guangdong Hi-Tech Enterprise Association – Science & Technology Award (Second Prize)	Guangdong Hi-Tech Enterprise Association
	2023 Guangdong Famous and Premier High-tech Products	Guangdong Hi-Tech Enterprise Association
Qinghai Gokin	Enterprise Compliant with "Photovoltaic Manufacturing Industry Specification" (12th Batch)	Ministry of Industry and Information Technology
	2023 Demonstration Enterprise for New-generation IT-Manufacturing Integration	Ministry of Industry and Information Technology
	2024 Qinghai Provincial Engineering Technology Research Center	Science and Technology Department of Qinghai Province
	2023 Outstanding Economic Performance Enterprise	Xi'ning Economic and Technological Development Zone Administration Committee, Qinghai National High-tech Industrial Development Zone Administration Committee
	2023 Outstanding Project Investment Enterprise	Xi'ning Economic and Technological Development Zone Administration Committee, Qinghai National High-tech Industrial Development Zone Administration Committee
	2024 Qinghai Ranking – China Top 500 Enterprises (Ranked 10th)	Qinghai Department of Industry and Information Technology, State-owned Assets Supervision and Administration Commission of Qinghai Provincial Government, Qinghai Enterprise Confederation, Qinghai Entrepreneur Association
	2024 Top 500 Private Manufacturing Enterprises in China (Ranked 495th)	All-China Federation of Industry and Commerce
	2023 "Enterprise Standard Forerunner" Certificate	China Electronics Standardization Institute

Recipient	Award	Issuing organization
Sichuan Gokin	1st Energy Electronics Innovation Competition – Solar PV Track (Second Prize)	Industry Development and Promotion Center, Ministry of Industry and Information Technology
	1st Energy Electronics Innovation Competition – Solar PV Track (Third Prize)	Industry Development and Promotion Center, Ministry of Industry and Information Technology
	BRICS Industrial Innovation Contest 2024 – Finalist in “Energy Electronics – Photovoltaics and New Energy Storage” Track – Outstanding Project Award	Center for International Economic and Technological Cooperation, Ministry of Industry and Information Technology
	National High-tech Enterprise	Ministry of Science and Technology of China
	BRICS Industrial Innovation Contest 2024 – Outstanding Project Award	BRICS PartNIR Innovation Center, Center for International Economic and Technological Cooperation, Ministry of Industry and Information Technology
	2nd Energy Electronics Innovation Competition – Solar PV Track – Innovation & Creativity Award (Second Prize)	Industry Development and Promotion Center, Ministry of Industry and Information Technology
	2024 Sichuan Provincial Enterprise Technology Center	Department of Economy and Information Technology of Sichuan Province
	2024 Yibin Municipal Enterprise Technology Center	Yibin Bureau of Economy and Information Technology
	2023 “Outstanding Enterprise” – Yibin Hi-tech Zone	CPC Yibin Hi-tech Industrial Park Working Committee, Yibin Hi-tech Industrial Park Administration Committee
	2024 Outstanding Enterprise – Yibin Hi-tech Zone	CPC Yibin Hi-tech Industrial Park Working Committee, Yibin Hi-tech Industrial Park Administration Committee
	2024 Top 100 Private Enterprises in Sichuan Province	Sichuan Federation of Industry and Commerce
	2024 Top 100 Private Manufacturing Enterprises in Sichuan Province	Sichuan Federation of Industry and Commerce
	2024 Top 100 New Economy Enterprises in Sichuan Province	Sichuan Institute of Industry and Information Technology
	2024 Top 100 Private Enterprises in Yibin	Yibin Federation of Industry and Commerce

Recipient	Award	Issuing organization
Guangzhou Gokin	Enterprise in the 2023 Huadu District High-quality Development Flying Loong List	People's Government of Huadu District, Guangzhou Municipality
	Leading Enterprise in the 2024 Huadu District High-quality Development Flying Loong List	People's Government of Huadu District, Guangzhou Municipality
	2024 Influential Brand – PV Cells & Modules	Guangdong Solar Energy Association



Sustainability

Recipient	Award	Issuing organization
Gokin Solar	Jinwan District Red Cross Contribution Award	Red Cross Society of Jinwan District, Zhuhai
	"Passionate about Public Welfare, Warming Jinwan" corporate title	Federation of Industry and Commerce, Jinwan District, Zhuhai
	Green Sustainability Excellence Case Recognition	Caijing Magazine
Jinwan Gokin	2024 Guangdong Province Water-saving Benchmark Enterprise	Department of Industry and Information Technology of Guangdong Province, Water Resources Department of Guangdong Province
Qinghai Gokin	2024 Qinghai Plateau "Worker Vanguard"	Qinghai Federation of Trade Unions
	2023 Excellent Work Safety Enterprise	Qinghai Provincial Work Safety Committee
	2023 Excellent Entity in Green Development	Xi'ning Economic and Technological Development Zone Administration Committee, Qinghai National High-tech Industrial Development Zone Administration Committee
	2023 Excellent Work Safety Performance Enterprise	Xi'ning Economic and Technological Development Zone Administration Committee, Qinghai National High-tech Industrial Development Zone Administration Committee
	2024 Water-saving Benchmark Enterprise of Qinghai Province	Qinghai Department of Industry and Information Technology, Qinghai Department of Water Resources
Sichuan Gokin	Sichuan Province Integrity Demonstration Enterprise	Sichuan Association for Promotion of Market Economy Integrity
	AAA Credit Rating in Enterprise Credit Evaluation	San Gong International Credit Rating (Beijing) Co., Ltd.
Guangzhou Gokin	2023 Special Contribution Enterprise for High-quality Development & Philanthropy in Tanbu Town	People's Government of Tanbu Town, Huadu District, Guangzhou Municipality

Association Memberships

Gokin Solar proactively engages in industry associations, contributing to the collaborative development of the sector ecosystem.

Entity	Association name	Membership role
Gokin Solar	Zhuhai Quality Association	Vice President
	Guangdong Solar Energy Association	Vice President
	Intellectual Property Committee, China Photovoltaic Industry Association	Vice Chair
	Council of China Environment News	Executive Council Member
	China Photovoltaic Industry Association	Member

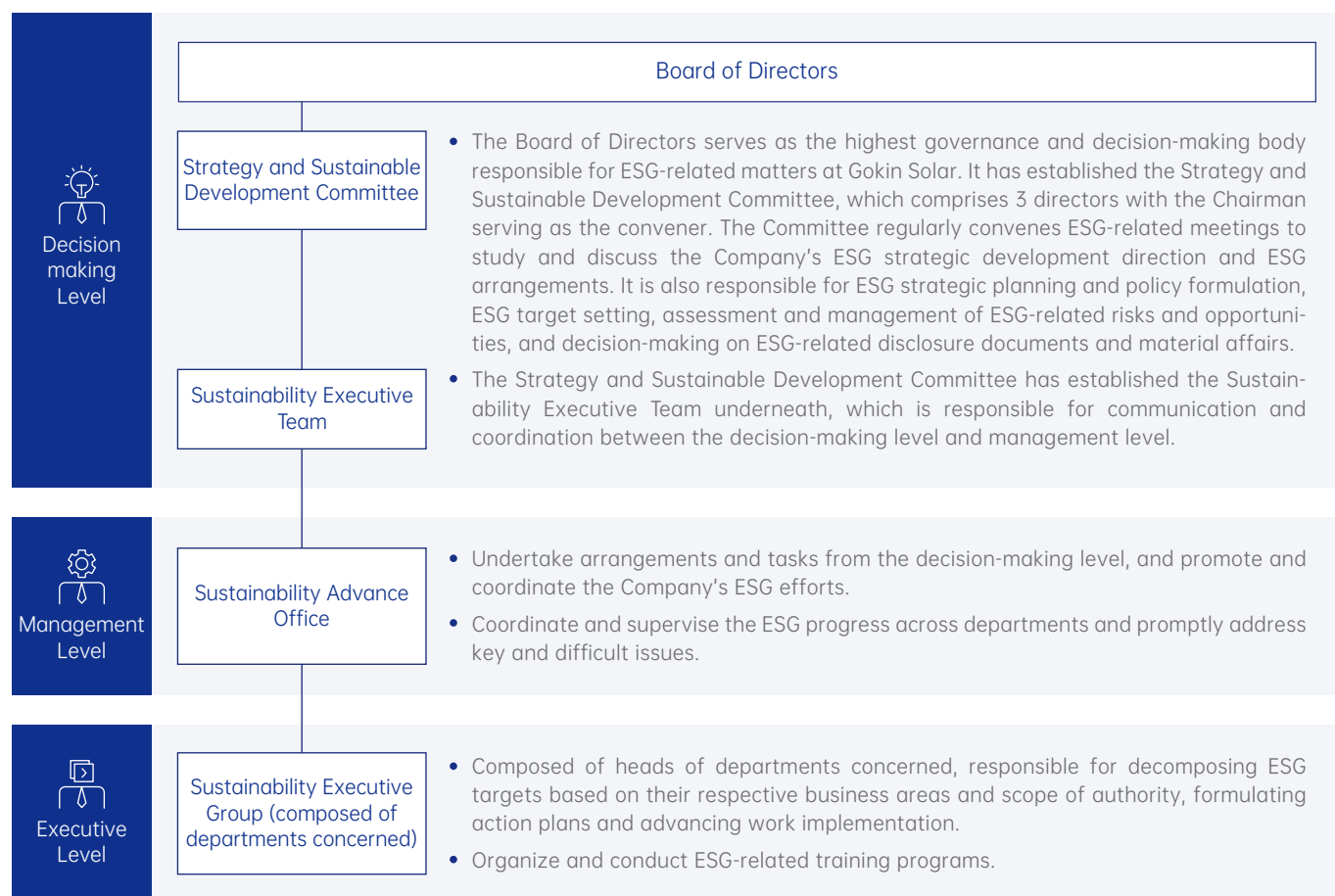
Entity	Association name	Membership role
Jinwan Gokin	Zhuhai Intelligent Manufacturing Federation	Executive Vice President
	Jinwan Institute of Intelligent Manufacturing	Vice President
	Zhuhai Association for Science and Technology Advancement	Vice President
	Zhuhai Federation of Industry and Commerce (Zhuhai General Chamber of Commerce)	Standing Committee Member, Executive Director
	Zhuhai Energy Conservation Association	Vice President
Qinghai Gokin	Council of China Environment News	Executive Council Member
	Guangdong Association of Circular Economy and Resource Comprehensive Utilization	General Member
	Qinghai Photovoltaic Industry Association	Member
Sichuan Gokin	Yibin Intelligent Manufacturing Industry Association	Council Member
	Sichuan Association for Promotion of Market Economy Integrity	Member

Sustainability Management

Gokin Solar remains steadfast in its commitment to sustainability, deeply integrating ESG principles into every aspect of its operations, and is dedicated to building a transparent, efficient, and sustainable ESG governance system. The Company not only proactively advances ESG strategies internally but also collaborates closely with stakeholders, including suppliers, customers, and industry partners, to lead the entire value chain towards a greener and low-carbon future.

ESG Governance Structure

A robust ESG governance structure serves as the foundation for the Company's steady pursuit of sustainable development. By optimizing the governance framework, strengthening risk management, and enhancing decision-making efficiency, the Company ensures its stable operations. Gokin Solar has established and continuously refined its internal ESG governance framework, with the Board of Directors serving as the highest authority. The Company has developed a comprehensive, hierarchical, and defined three-tier "decision-making-management-execution" ESG governance structure, while gradually improving its ESG management mechanisms to ensure the effective advancement of ESG efforts.



Gokin Solar's ESG Governance Structure

Board of Directors' ESG Statement

As the highest decision-making body for ESG-related matters, the Board of Directors of Gokin Solar bears the overarching responsibility for the coordination and deployment of the Company's ESG management efforts, including supervision of ESG activities, formulation of management policies and strategies, review of targets, and identification, assessment, and management of ESG risks and opportunities. The Board attaches great importance to the integration of ESG principles into the Company's development strategy, remains highly attuned to the expectations and demands of stakeholders, and continuously monitors the Company's overall ESG performance, striving to continuously enhance ESG management practices.

The Strategy and Sustainable Development Committee conducts annual assessments and updates of material ESG issues based on the Company's development strategies and plans, operational performance, and outcomes of stakeholder engagement. ESG management policies and strategies are promptly optimized and adjusted to ensure that the Company's ESG practices remain current and relevant. In 2024, the Board of Directors reviewed and validated the identified material issues.

The key ESG-related matters reviewed and resolved by the Board of Directors in 2024 included:



Hearing the 2024 key ESG work plan and arrangements



Reviewing the results of the materiality analysis and confirming the material issues for the year



Monitoring the progress of ESG-related work within the Company



Reviewing the draft of ESG report



Stakeholder Engagement

Gokin Solar attaches great importance to communication with stakeholders and has established an efficient engagement mechanism to listen to and promptly understand stakeholders' expectations and recommendations regarding the Company's ESG management strategies and performance. Based on these inputs, combined with the Company's business operations and peer benchmarking, 8 key stakeholder categories have been identified, each with corresponding engagement channels. The current stakeholder engagement practices are as follows:

Stakeholder category	Issue of concern	Engagement and response
 Government and Regulatory Authorities	• Corporate governance • Business ethics • Information security and privacy protection • Risk management	• Institutional visits • Policy implementation • Information disclosure
 Shareholders and Other Investors	• Technological innovation and intellectual property protection • Product quality and safety • Corporate governance • Business ethics • Risk management • Community contribution and philanthropy	• General Shareholders' Meeting • Financial reports • ESG report • Performance briefing • Field interviews, Telephone/ Social media communication
 Employees and Other Workers (Including Labor Unions)	• Human capital development • Occupational health and safety • Employee rights protection • Diversity, equality and inclusion	• Employee health check-ups • Employee activities • Internal communication tools • Employee training • Gokin "LEARNING DAY" program
 Suppliers	• Information security and privacy protection • Corporate governance • Business ethics • Risk management • Product quality and safety • Sustainable supply chain	• Supplier management platform • Supplier conferences • Supplier audits • Partnership negotiations • Telephone communication • Ad hoc visits • Industry exhibitions and training



Stakeholder category	Issue of concern	Engagement and response
 Customers and Consumers	• Information security and privacy protection • Product quality and safety • Customer relationship management • Product lifecycle management	• New product launch events • Customer surveys • Industry forums • Customer satisfaction surveys
 Industry Associations	• Technological innovation and intellectual property protection • Clean technology opportunities • Product quality and safety	• Official website • Press releases • Community and media engagement • Industry exhibitions • Industry seminars
 Local Communities	• Climate change response • Community contribution and philanthropy • Pollutant and waste management	• Participate in community activities • Participation in community activities • Charity activities
 Civil Society Organizations (Including NGOs)	• Product quality and safety • Clean technology opportunities • Climate change response • Corporate governance • Business ethics • Risk management	• Industry seminars • Corporate/NGO exchange meetings

Material Issues

Gokin Solar conducts annual materiality assessments based on the Company's operational performance and ESG strategic direction to identify and analyze core issues across environmental, social, and governance (ESG) dimensions. This process ensures consistency between the Company's ESG strategy, business development, and stakeholder expectations. In 2024, Gokin Solar enhanced its materiality assessment methodology by refining its double materiality assessment framework, integrating both financial materiality and impact materiality across environmental and social dimensions.

During the reporting period, the Company conducted a stakeholder survey and collected 2,394 valid responses from internal and external stakeholders. These responses covered seven key stakeholder groups: company management and employees, the public and media, shareholders and investors, business partners and industry associations, customers, government and regulatory bodies, and local communities. The scope of this assessment extended beyond conventional boundaries to cover the entire value chain, from suppliers at the production end to customers at the consumption end, leading to the identification of 16 material ESG issues.

The analysis revealed an increased focus on environmental issues, with "Climate Change Response" and "Sustainable Supply Chain" emerging as newly prioritized topics. Additionally, the participation of shareholders and investors across governance and development areas rose significantly, reflecting growing expectations for enhanced governance transparency. The outcomes of the materiality assessment will be addressed and reflected in this report.

Materiality Assessment Methodology and Process



Material issue identification

- Comprehensively referencing domestic and international standards such as GRI Standards and UN SDGs, benchmarking against peer companies' material topic distribution, and combining the Company's business characteristics and industry trends, an ESG topic pool comprising 21 topics was established.



Material issue survey

- Impact materiality assessment: Through stakeholder communications and interviews and online questionnaire surveys, we gained in-depth understanding of stakeholders' level of concern regarding ESG issues and scored their impact materiality
- Financial materiality assessment: Internal stakeholders were invited to assess the substantive impact of relevant topics on corporate business strategy and operational activities from a financial perspective, scoring their financial materiality



Material issue analysis

- Analysis of questionnaire survey results was conducted to assess and rank the materiality of ESG issues from two dimensions: "materiality to stakeholders" and "materiality to Gokin Solar". This process identified 6 ESG-related issues with double materiality, 1 ESG-related issue with financial materiality, and 5 ESG-related issues with impact materiality



Material issue review

- Company leadership, business departments, and external experts reviewed and confirmed the materiality analysis results, ultimately forming Gokin Solar's 2024 Double Materiality Matrix

Impact Materiality Assessment

Impact level assessment: Through internal and external stakeholder questionnaire surveys, we assessed the “impact level” of material ESG issues on economic, environmental, and social aspects, ranking them based on survey results.

Expert review and adjustments: External ESG experts adjusted the ESG issues' impact materiality assessment results based on international standards, peer performance, and Gokin Solar's operational circumstances.

Impact Materiality	ESG Issues		
Moderate	• Business Ethics • Risk Management	• Human Capital Development • Diversity, Equity, and Inclusion	• Community Contribution and Philanthropy • Biodiversity
High	• Technological Innovation and Intellectual Property Protection • Customer Relationship Management • Product Quality and Safety • Sustainable Supply Chain • Clean Technology Opportunities	• Climate Change Response • Occupational Health and Safety • Employee Rights Protection • Corporate Governance • Information Security and Privacy Protection	• Pollutant and Waste Management • Environmental Management System • Product Lifecycle Management • Water Resource Management • Energy Management

Gokin Solar's Impact Materiality Assessment Results

Financial Materiality Assessment

This assessment evaluates the materiality of ESG issues on the Company's short-, medium-, and long-term business model, business operations, strategic development, financial condition, operating results, cash flow, financing methods and costs. ESG issues with material financial impact are identified as financially material issues.

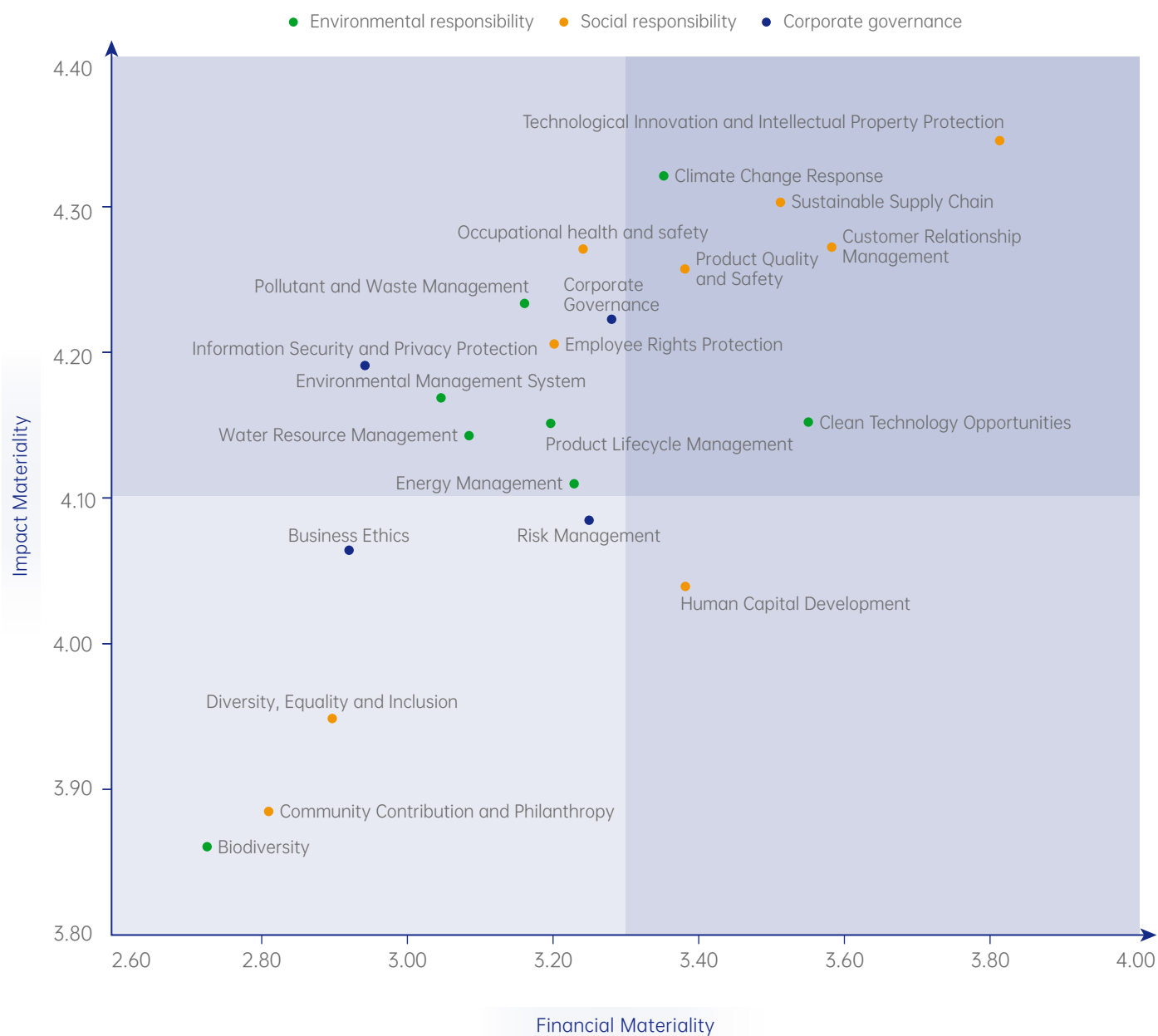
Impact Materiality	ESG Issues		
Moderate	• Occupational Health and Safety • Pollutant and Waste Management • Corporate Governance • Employee Rights Protection • Information Security and Privacy Protection	• Environmental Management System • Product Lifecycle Management • Water Resource Management • Energy Management • Risk Management	• Business Ethics • Diversity, Equity, and Inclusion • Community Contribution and Philanthropy • Biodiversity
High	• Technological Innovation and Intellectual Property Protection • Customer Relationship Management • Product Quality and Safety	• Sustainable Supply Chain • Clean Technology Opportunities • Climate Change Response	• Human Capital Development

Gokin Solar's Impact Materiality Assessment Results

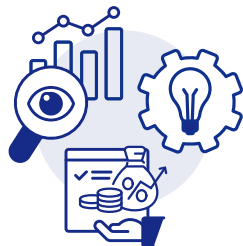
Materiality Matrix

Based on the results of the financial and impact materiality assessments, Gokin Solar developed a Materiality Matrix to visually present the overall prioritization of ESG issues. A total of 16 material issues were identified, including 6 with double materiality.

▼ Gokin Solar's Materiality Matrix



Impact Materiality Assessment



Financial materiality issues

- Technological Innovation and Intellectual Property Protection
- Customer Relationship Management
- Product Quality and Safety
- Sustainable Supply Chain
- Clean Technology Opportunities
- Climate Change Response
- Human Capital Development



Impact materiality issues

- Technological Innovation and Intellectual Property Protection
- Customer Relationship Management
- Product Quality and Safety
- Sustainable Supply Chain
- Clean Technology Opportunities
- Climate Change Response
- Occupational Health and Safety
- Employee Rights Protection
- Corporate Governance
- Information Security and Privacy Protection
- Pollutant and Waste Management
- Environmental Management System
- Product Lifecycle Management
- Water Resource Management
- Energy Management



Double materiality issues

- Technological Innovation and Intellectual Property Protection
- Customer Relationship Management
- Product Quality and Safety
- Sustainable Supply Chain
- Clean Technology Opportunities
- Climate Change Response



01

Prudent Operations to Strengthen the Foundation of Compliance

Gokin Solar firmly believes that robust corporate governance is the cornerstone of effective strategic execution, enhanced business resilience, and sustained value creation. We have been committed to building a transparent governance mechanism with effective checks and balances to accelerate the improvement of governance efficiency. To adapt to changing market conditions and leverage scale advantages, we have implemented a business unit system aligned with our development direction. Each business unit has relative independence in decision-making and accounting, achieving a high degree of specialization in segmented markets and centralized resource utilization, which provides long-term, stable support for the realization of the Company's strategy.

SDGs addressed in this Chapter



Material sustainability issues covered in this Chapter

- Corporate Governance
- Information Security and Privacy Protection



Corporate Governance

The Company complies with the *Company Law of the People's Republic of China* and other relevant laws and regulations, continuously optimizing its governance structure. We place strong emphasis on Board diversity and professionalism, enhance communication and engagement with investors, and foster endogenous growth momentum. Through high-quality governance practices, we lay a solid foundation for long-term development.

Governance Structure

The Board of Directors, as the Company's decision-making center, is responsible for business management and strategic implementation. The Board of Directors has set up four specialized committees: the Audit Committee, the Strategy and Sustainable Development Committee, the Nomination Committee, and the Remuneration and Assessment Committee, to improve the efficiency of the Board's operations and the quality of its decisions. Except for the convener of Strategy and Sustainable Development Committee, who is the Chairman of the Board, the conveners of the other specialized committees are all independent directors. The current Board of Supervisors has 3 members (2 shareholder representatives and 1 employee representative), responsible for supervising the Board of Directors and senior management in the performance of their duties, preventing abuse of power, and safeguarding the interests of the Company and its shareholders.

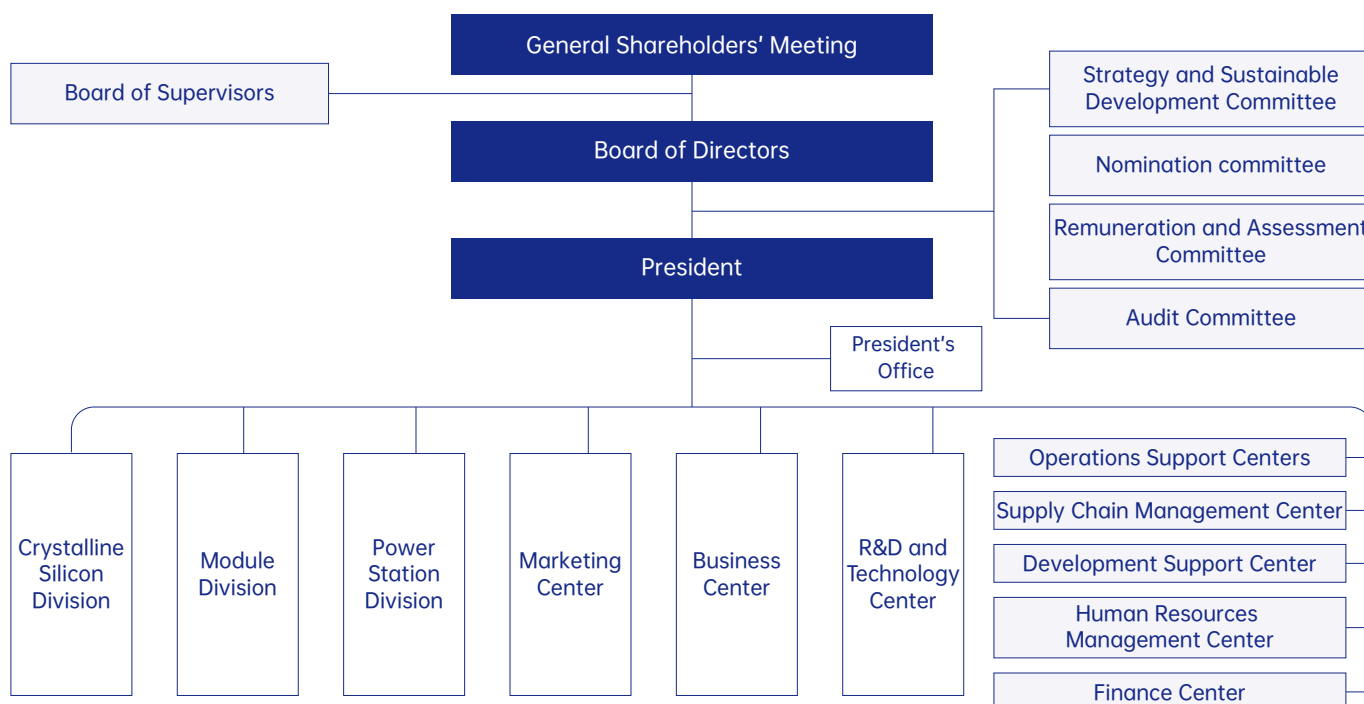
The current Board of Supervisors has,

3

2

employee representative

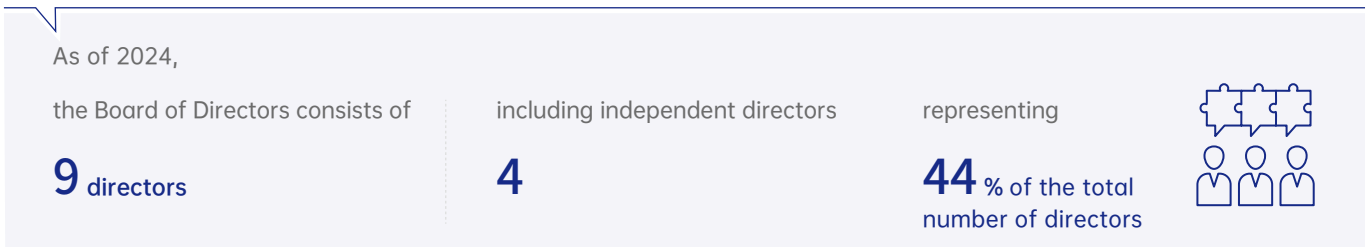
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Gokin Solar's Governance Structure

Board Independence

Gokin Solar recognizes the critical importance of standardized Board structure for corporate governance and continuously optimizes its Board composition to ensure that the qualifications of each Board member comply with relevant regulatory requirements. As of 2024, the Board of Directors consists of 9 directors, including 4 independent directors, representing 44% of the total number of directors. This proportion complies with modern corporate governance requirements for independent director systems, ensuring the independence and objectivity of Board of Directors' decision-making. Independent directors, independent from the Company's daily operations, are able to objectively review the Company's strategic planning and execution, providing professional advice and opinions for its development. During the reporting period, independent directors fully exercised their supervisory and advisory roles, scrutinizing Company operations and effectively safeguarding shareholders' interests.

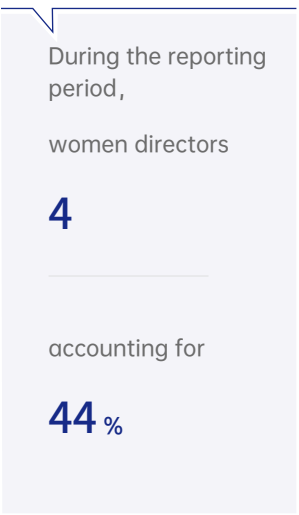


Board Diversity

We are committed to building a diverse and inclusive Board of Directors that brings together members with varied backgrounds, experiences, and perspectives, thereby enhancing the quality of decision-making, innovation capacity, and corporate governance performance to better serve shareholders, employees, and broader stakeholders.

The Company follows international ESG standards and principles, implementing diversity principles in director appointments. When electing Board members, we consider multiple factors, including but not limited to gender, age, cultural and educational background, professional experience, skills and knowledge, race and ethnicity, geography, nationality, and tenure, following the principle of merit-based selection while balancing diversity objectives. Current Board members possess both strong academic credentials and extensive industry experience. Their professional expertise spans semiconductors, PV technologies, financial auditing, and regulatory policy evaluation, forming a highly experienced and well-structured governance team. This ensures that the Company's highest decision-making body is equipped with the competencies and judgment necessary to perform its duties effectively and support efficient and science-based corporate governance.

During the reporting period, 4 out of 9 directors were women, accounting for 44% of the Board. This proportion exceeds the industry average and brings diverse perspectives to the decision-making process, enabling the Company to make more comprehensive and prudent decisions in a complex and dynamic market environment.



Remuneration and Assessment

The Board of Directors has established a Remuneration and Assessment Committee responsible for developing performance assessment criteria and remuneration standards for directors and senior executives. The committee also conducts assessments or provides recommendations based on these standards. Additionally, it plays a key role in formulating and reviewing compensation policies and plans for directors and senior management. To promote the effective implementation of ESG efforts, the Company is considering further enhancements to its remuneration framework by integrating ESG performance indicators, thereby ensuring the execution and accountability of efforts related to ESG issues.

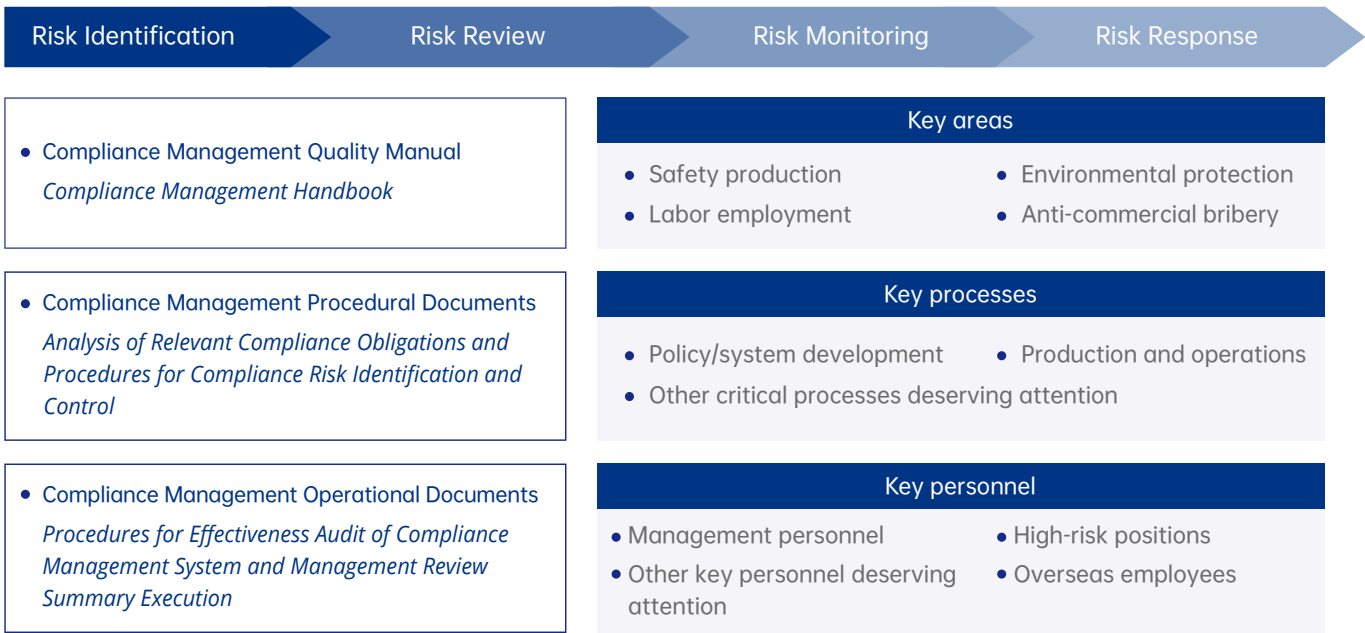
In pursuit of end-to-end compliance, Gokin Solar has proactively embraced advanced information technology since its establishment. The Company has systematically embedded all operational and management requirements into its OA (Office Automation) system. This measure has significantly improved the accessibility and enforcement efficiency of internal control requirements, while also enhancing the precision and timeliness of compliance guidance. Leveraging the automation and intelligent capabilities of the OA system, Gokin Solar is able to monitor and analyze business processes in real time, promptly identify deviations, and implement corrective actions to ensure all business activities are bound by compliance standards.

At the risk control level, Gokin Solar has built a "three lines of defense" compliance governance structure, composed of the Board of Directors, the Compliance Committee, and functional and business departments. Additionally, the Company has appointed a Chief Compliance Officer to guide comprehensive compliance management, ensuring that all aspects of the Company's operations stay sync with its commitment to ethical business conduct.



Gokin Solar's Compliance Governance Structure

The Company dynamically conducts comprehensive risk assessments and applies the PDCA (Plan-Do-Check-Act) cycle to enforce risk control. In compliance with system requirements, we implement risk identification, evaluation, monitoring, and response processes. Risk control is divided into internal risks (such as strategic decision-making, environmental, financial, managerial, and operational risks) and external risks (including policy, market demand, and business risks). In 2024, the Company reported 0 major operational risk incidents.



Gokin Solar's Risk Management Model

Business Ethics

Gokin Solar upholds high standards of business ethics and integrity, integrating responsible business practices with accountability to stakeholders. The Company is committed to building a compliant and harmonious market environment. We comply with applicable laws and regulations in all regions where we operate, both domestically and internationally, and have established a series of internal management policies, including the *Integrity Management Regulations* and the *Reward and Punishment Management Regulations*. These policies explicitly require Gokin Solar and its subsidiaries to follow relevant rules and uphold ethical standards in all commercial transactions.

In managing business ethics among employees and suppliers, we require all employees to sign the *Employee Handbook* and submit the *Integrity and Self-Discipline Agreement*. These documents clarify the code of conducts for employees, reinforce their awareness of ethical boundaries and legal responsibilities, and encourage employees to proactively comply with internal policies and cooperate in mitigating compliance risks in their daily work. In supplier partnerships, we also emphasize the importance of integrity by implementing a contractual integrity cooperation mechanism. Suppliers are required to acknowledge and sign the *Integrity Commitment Letter*, which defines "red line behaviors" such as commercial bribery, benefit transfer, collusion in bidding, and other illegal or unfair competitive practices. Through these provisions, we clearly communicate our firm stance on ethical business conduct, thereby ensuring a healthy and stable supply chain and laying a solid foundation for long-term corporate development.

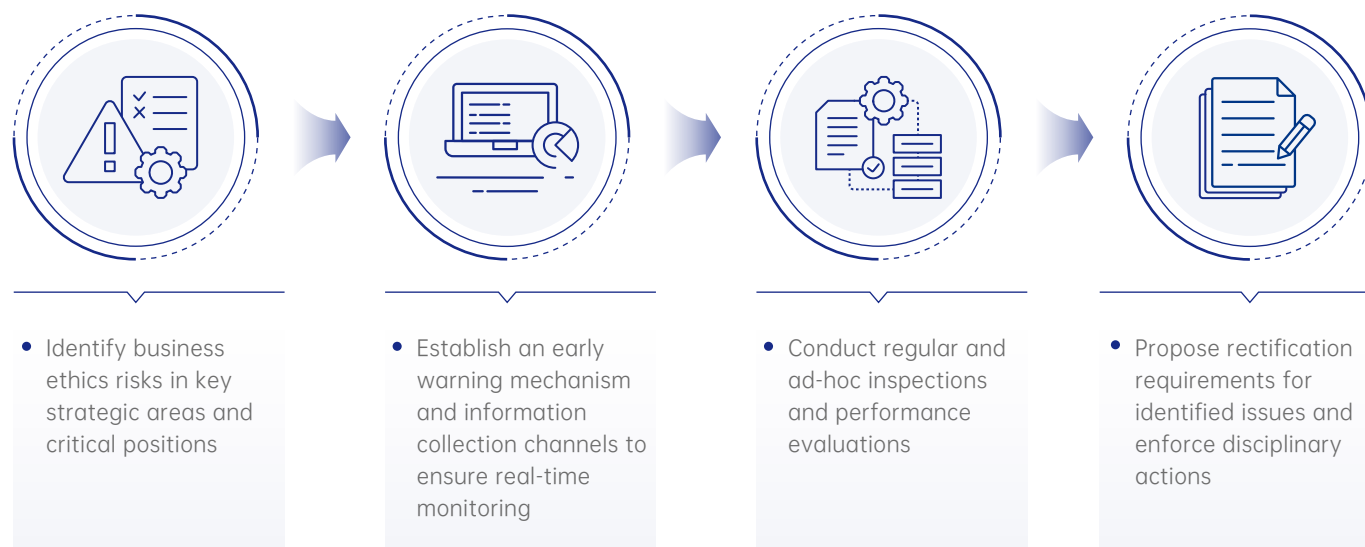
To ensure every employee fully understands and complies with the Company's code of business conduct, the Company has enhanced its ethics advocacy through monthly integrity communications and regular training sessions with assessments. During the reporting period, the Company conducted "Integrity Management Awareness" seminars for all supervisors and higher-level managers and employees in the Supply Chain Management Center and Power Station Division. These sessions aimed to help key personnel better grasp the importance of integrity and self-discipline, thereby enhancing their ethical awareness and sense of responsibility. In this training, we combined the national anti-corruption context by presenting anti-corruption cases and analyzing their underlying causes, integrating theory with practice in our comprehensive instruction. This approach guided employees to make ethical decisions when confronted with potential moral dilemmas.



In 2024, the Audit Department focused on key personnel in the area of business ethics, conducting the Company's first anti-corruption training for all employees at supervisor level and above. 485 key position managers were invited to participate, with 434 attending, achieving a participation rate of 94%. The Company has established a "manager-to-employee" integrity communication mechanism, and its anti-corruption framework now extends across all operational units. In 2025, the Company plans to allocate dedicated resources to promote Company-wide training, aiming to achieve 100% coverage of all key business lines.



To ensure a closed-loop management system for internal ethical oversight, we have established an internal integrity inspection mechanism. This mechanism relies on full-process management to mitigate business ethics risks.



Gokin Solar's Integrity Inspection Mechanism

In addition, to ensure that all stakeholders have safe and direct channels to report concerns related to business integrity, the Company has developed a robust whistleblowing mechanism with accessible reporting channels, while protecting the rights and privacy of whistleblowers. We provide multiple reporting platforms to internal and external stakeholders, including WeChat official account, complaint hotline, and email, encouraging all stakeholders to promptly report business ethics misconduct and corruption issues such as bribery, corruption, extortion, fraud, and money laundering that may occur during the Company's operations, assisting the Company in comprehensively preventing and managing business ethics-related risks.

Gokin Solar enforces strict confidentiality for all whistleblower information and prohibits any form of threat or retaliation. Hotline calls are answered by designated personnel, and email communications are encrypted to ensure full protection throughout the reporting process.

Channels for reporting integrity concerns

✉ Reporting email: shenjibu@gokin, GM@gokingsolar.com

☎ Reporting hotline, SMS: 15692038078

🗨 Reporting WeChat account: gokinsolarshenji1209 (15692038078)

⚙ Official WeChat accounts:



Access Gokin's official WeChat accounts (Gokin Solar, Jinwan Gokin, Sichuan Gokin, Qinghai Gokin, Guangzhou Gokin), click "Contact Us", and then click "Reporting Channels".

📍 Mailing address: Audit Committee, Gokin Solar Co., Ltd., No. 1566 Hubin Road, Sanzao Town, Jinwan District, Zhuhai City, Guangdong Province

Responsible Tax Practices

Tax management is a critical element in ensuring the Company's compliant operations. The Company acknowledges its responsibility to pay taxes in accordance with applicable laws across all jurisdictions in which it conducts economic activities, and to avoid any conduct that may violate legal or regulatory provisions. To effectively manage internal tax compliance, the Company has established internal management policies such as the *Accounting Management Regulations*, and adopted digital management tools to comprehensively control tax-related risks, thereby enhancing its risk forecasting and early warning capabilities.

For newly launched business activities, we organize internal workshops and consult with third-party experts to evaluate potential risks. This process enables the identification of potential tax-related risks and the development of appropriate risk management strategies to ensure the steady and compliant development of our business activities.



Information Security and Privacy Protection

Gokin Solar places a high priority on information security and the protection of personal privacy. In compliance with the *Data Security Law of the People's Republic of China*, the *Personal Information Protection Law of the People's Republic of China*, and other national laws and regulations, the Company continuously strengthens information security protection and privacy safeguards to effectively prevent information security risks.

Information Security

In the area of information security, Gokin Solar has revised and rigorously implemented internal policies such as the *Information Security Management Regulations* and the *Account and Access Rights Management Regulations* to regulate employee behavior from a policy level and ensure the effective execution of information security measures. The Company also released security culture awareness content covering 13 key topics to educate employees on common information security risks and preventive strategies, significantly improving overall risk prevention awareness and security competency across the organization.

Information Security Management Measures

To ensure the security and stability of its information systems, Gokin Solar has adopted a comprehensive set of effective measures:

- The Company deployed endpoint access control systems to significantly enhance network access security, ensuring that only authorized devices can connect to the corporate network;
- The Company implemented two-factor authentication for remote VPN access, strengthening identity verification mechanisms and effectively preventing unauthorized access;
- To address increasingly sophisticated cyber threats, the Company upgraded its email protection system, enhancing phishing email detection capabilities and reducing the risk of employees inadvertently clicking on malicious emails;
- The Company conducted regular penetration testing on core systems to identify and promptly remedy medium- and high-risk vulnerabilities, ensuring system security;
- The Company integrated key systems with a bastion host to audit and track user actions, providing a robust final safeguard for information security.

Through these measures, Gokin Solar has established a multi-layered information security defense system that supports stable operations and long-term sustainability. Additionally, the Company conducts regular information security drills and training sessions to enhance employee awareness and improve coordination and response capabilities in the event of security incidents.

Throughout the year,

service requests and incident reports were resolved over

3,577

with a satisfaction rate of

98 %

conduct information security and system operation training sessions more than

100

employee coverage achieving

100 %

Information Security Risk Management

Gokin Solar has developed a comprehensive information security management system to identify, assess, and address information security risks effectively, ensuring the protection of its information assets and reducing the likelihood of information security incidents.

▼ Information Security Management System

Policy Development and Enhancement

- Gokin Solar places great emphasis on the development and enhancement of information security management policies. The Company has revised and published policy frameworks including the *Information System Security Management Policy* and *Emergency Preparedness and Response Control Procedures*, defining response measures and accountability systems for various risk scenarios. These frameworks provide robust policy safeguards for the Company's information security risk management, ensuring swift and effective action when facing information security incidents.



Risk Identification and Remediation

- The Company has established a systematic information security risk identification mechanism, conducting regular assessments of internal and external information security threats to identify potential risks. For identified high-risk points, the Company has developed and implemented specific remediation and control measures, such as closing unnecessary ports and optimizing access control policies, ensuring effective risk control.



Closed-loop Process Development

- In collaboration with Sangfor, Gokin Solar has established a closed-loop process of "Detection-Notification-Response-Review" to ensure rapid response and traceability in the event of information security incidents. This process covers the entire cycle from incident detection to final resolution, ensuring clear accountability and operational procedures at each stage, thereby improving the efficiency and effectiveness of information security incident handling.



Internal Inspection and Audit

- Semi-annual internal information security audits are conducted, complemented by ad hoc inspections and special audits to ensure the effectiveness of information security measures. Audit scopes include core systems (such as ERP, OA, email, and VPN), network equipment, servers, account access control, and data backup and recovery mechanisms. In 2024, 5 information security issues were identified, including weak passwords, missing logs, and delayed server patching, all of which were fully rectified by the end of the year.



Security Auditing and Log System

- The Company has deployed a security auditing and logging system with automated alert mechanisms for abnormal login attempts, unusual network activity, and abnormal data exports. These technologies enable real-time information security monitoring and rapid response to anomalous behavior.

Access Control and Data Protection

- The Company enforces the principle of least privilege, implements two-factor authentication for sensitive systems, restricts data export and copying functions, and applies automated data encryption through the ESAFENET encryption system. These measures effectively safeguard the Company's sensitive data from leakage and unauthorized access.

Emergency Response Procedure

- A comprehensive information security emergency response process is in place. Upon detection of anomalies by employees, monitoring systems, or third parties, incidents must be reported immediately to the IT security officer. The officer will assess the incident level based on the severity and scope of impact, determine whether sensitive data and external leakage risks are involved, and activate emergency response procedures according to the classification. Specific measures include isolating affected systems, blocking attack vectors, and protecting data backups. The Company also conducts log tracing and source analysis, repair system vulnerabilities, confirm system security before service restoration, and notify relevant business departments as appropriate. Finally, a comprehensive incident report will be prepared for management review and archived.

Violation Handling

- If an employee is found to have caused a data breach due to misconduct or management negligence, the Company will enforce disciplinary actions in accordance with the *Information Security Management Policy* to ensure accountability and prevent recurrence.



Privacy Protection

In order to standardize the protection of employee and customer privacy, effectively safeguard their personal information and privacy security, protect their legitimate rights and interests, enhance trust in the Company, and strengthen its brand image and market competitiveness, Gokin Solar has formulated privacy protection policies including the *Customer Privacy Protection Management Policy* and *Employee Privacy Protection Management Policy*. These policies ensure that all aspects of privacy information management involved in the Company's operations comply with national laws, regulations, and supervisory requirements.

Governance Structure

To comprehensively safeguard employee and customer privacy, Gokin Solar has established a robust privacy protection governance structure. The Company's IT Department serves as the top decision-making body for privacy protection, comprising senior management from the IT Department, the Information Security Committee, and departmental information managers. This structure covers all levels from decision-making to execution, ensuring comprehensive and systematic privacy protection. Key responsibilities include the following:

- **Strategy and Policy Formulation:** Reviewing and approving the Company's privacy protection strategies, policies, and procedures to ensure compliance with legal requirements and tailoring to actual operational needs.
- **Cross-department Coordination:** Coordinating cross-departmental privacy protection efforts, resolving critical issues and disputes, and ensuring unimpeded implementation.
- **Supervision and Decision-making:** Receiving regular reports on privacy protection efforts, monitoring and inspecting implementation status, and deciding on and guiding major issues.
- **Emergency Response:** Organizing the development of emergency response plans for major incidents involving privacy protection and supervising their implementation.
- **Technical Protection Systems:** Establishing and maintaining technical protection systems for privacy information security, including data encryption, access control, security auditing, and other systems.
- **System Security:** Ensuring the secure and stable operation of privacy information storage servers and related information systems, conducting regular security assessments and vulnerability remediation.
- **Data Transmission Security:** Implementing encryption measures for privacy information transmission processes to ensure information security during transmission.
- **Technical Support and Services:** Collaborating with the Human Resources Department and other relevant departments to provide necessary technical support and services for privacy information management.

Through this framework and division of responsibilities, Gokin Solar ensures full coverage and effective implementation of privacy protection efforts, providing robust safeguards for the privacy and security of employees and customers.

End-to-End Privacy Information Management

To ensure appropriate use and handling of employee and customer privacy data, we manage the lifecycle of all privacy information, covering collection, storage, usage, sharing, transmission, and deletion.

Information Collection



- During the information collection process, the Company complies with the principles of legality, legitimacy, necessity, and transparency when collecting privacy information from customers and employees. We explicitly inform and obtain authorization before collection, employ secure technical measures to ensure the collection process is safe and accurate, implement stricter protection measures for sensitive information, and establish record ledgers to ensure traceability of information collection.

Information Storage



- Gokin Solar strictly follows the principle of security and reliability when storing employees' and customers' privacy information. We implement classified encryption storage and set access permissions based on information sensitivity levels, define storage periods, and promptly delete or anonymize information that exceeds retention periods. Storage equipment is deployed in secure physical environments with regular maintenance and inspection, and off-site backup mechanisms are established.

Information Use



- Following the principles governing the use of customer and employee privacy information, Gokin Solar uses privacy information solely within authorized scope and under agreed purposes and methods, and implements technical and administrative measures to ensure secure and controlled use. Use beyond routine operations or involving sensitive information requires strict approval, with detailed recording and traceability of the use process.

Information Sharing



- Gokin Solar maintains strict control over the sharing of employee and customer privacy information, sharing information with legitimate and compliant third parties only when necessary and with explicit authorization. We execute confidentiality agreements defining the rights and obligations of all parties and requiring third parties to implement security protection measures. Sharing demands undergo strict approval and risk assessment to ensure compliance. Additionally, we maintain detailed sharing ledgers recording key information to ensure traceability of the sharing process.

Information Transmission



- When transmitting employee and customer privacy information, Gokin Solar employs secure and reliable transmission protocols and technologies to ensure encrypted transmission and prevent information from being stolen, tampered with, or leaked during transmission. The Company avoids using insecure channels (such as public networks, instant messaging tools, etc.) for transmitting privacy information and, when necessary, employs security measures such as Virtual Private Networks (VPN) or encrypted channels. We also maintain detailed transmission record ledgers documenting transmission time, method, recipients, content, and other related information to ensure traceability of the transmission process.

Information Deletion



- Gokin Solar complies with principles governing the deletion of employee and customer privacy information. When information exceeds storage periods, relevant parties request deletion in compliance with legal and regulatory requirements, or information processing purposes have been achieved with no necessity for continued retention, the Company promptly deletes or anonymizes the information. The Company has established detailed deletion operation procedures, defining responsible personnel and operational requirements to ensure the deletion process is accurate and thorough. Upon completion of deletion operations, annotations are made in information record ledgers, and deletion records are retained for audit purposes.

Security Assurance and Supervision

Beyond lifecycle management of privacy information, Gokin Solar also implements a series of security assurance measures and supervises and manages privacy protection efforts. The Company has adopted technical measures including data encryption, access control, security auditing, intrusion detection and defense, and vulnerability scanning and remediation. In the management process, we conduct strict background checks, qualification reviews, and analytical assessments for employees and suppliers to ensure that they understand their privacy protection obligations. Additionally, we have developed privacy security incident emergency response plans and regularly assess privacy information security to ensure steady advancement of privacy security.

At the supervision level, we paralleled internal and external supervision inspection and established assessment and reward-punishment mechanisms. For departments and individuals who demonstrate outstanding performance and achieve significant results in privacy protection, we provide recognition and rewards, including but not limited to honor certificates, bonuses, and promotion opportunities. For departments and individuals who violate privacy protection policies, resulting in privacy information leakage, security incidents, or other adverse consequences, we impose serious disciplinary measures in accordance with laws and regulations, including but not limited to warnings, fines, demotions, and termination of employment contracts. Those who commit crimes shall be transferred to judicial authorities for criminal prosecution in accordance with the law.

Training and Awareness

Gokin Solar also places great emphasis on privacy security training and awareness, developing comprehensive training programs for customer and employee privacy protection. Training content covers national laws and regulations, company policies, operational procedures, security technologies, and emergency response procedures to ensure employees' comprehensive understanding of privacy protection requirements. New employees must receive basic knowledge training and pass assessments before assuming their positions. Employees in positions exposed to privacy information processing regularly participate in professional skills training and assessments to enhance their privacy protection awareness and professional capabilities. Furthermore, the Company invites external experts or internal professionals to conduct specialized training sessions and lectures to promptly communicate the latest policies and regulations, industry trends, and technical knowledge, broadening employees' perspectives.

In terms of promotional education, the Company conducts extensive privacy protection educational activities through multiple channels, including internal websites, bulletin boards, emails, and meetings, to disseminate privacy protection knowledge, enhance privacy protection awareness and sense of responsibility among all employees, and create a sound privacy protection cultural environment. These measures have effectively enhanced employees' attention to privacy protection, ensuring proper protection of customer and employee privacy information.

Intellectual Property Protection

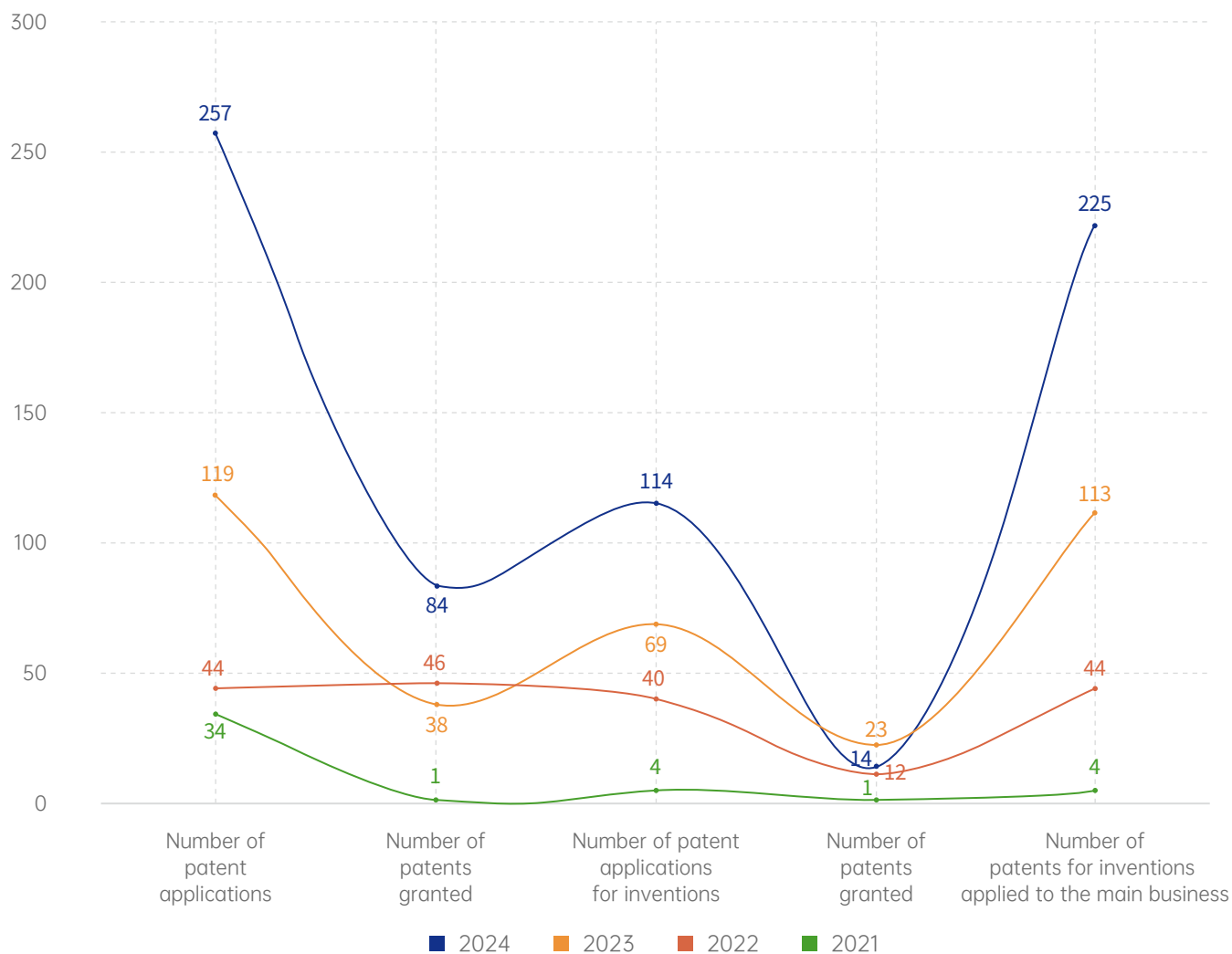
The Company's technological innovation and product development are closely linked to robust intellectual property protection. Gokin Solar consistently abides by the *Patent Law of the People's Republic of China*, the *Implementing Regulations of the Patent Law of the People's Republic of China*, and other applicable laws and regulations. The Company has established a comprehensive intellectual property policy: "Uphold technological innovation, protect intellectual property, comply with intellectual property compliance obligations, continuously improve the intellectual property compliance management system, pursue innovation-driven development strategies, deliver high-quality products as a solid foundation, adhere to customer-first and service-oriented principles, and become a leading enterprise in the manufacturing of PV equipment and components". Under this policy, the Company has developed regulatory documents such as the *Intellectual Property Compliance Management Manual* and the *Intellectual Property Risk Management and Control Procedures* to define intellectual property management objectives and mitigate associated risks, thereby ensuring full-spectrum protection of intellectual property rights.



During the reporting period, the Company advanced its efforts in establishing an intellectual property compliance management system and secured the Intellectual Property Compliance Management System Certificate in 2025.



▼ Line graph of intellectual property-related indicators (unit: cases)



To enhance employees' awareness and emphasis on intellectual property, the Company organized online and offline training sessions in 2024 for all R&D personnel and other departments. These courses included topics such as *Introduction to Foreign-related Patent Knowledge* and *Patent Fundamentals*, embedding intellectual property protection consciousness into the mindset of key business personnel and supporting compliant operations of the Company.

The Company has established a regularized intellectual property training mechanism, delivering 3 dedicated training sessions annually, with a cumulative attendance of 3,000 participants, achieving effective dissemination of key intellectual property compliance principles.



02

Product Responsibility: Forging Trust Through Quality

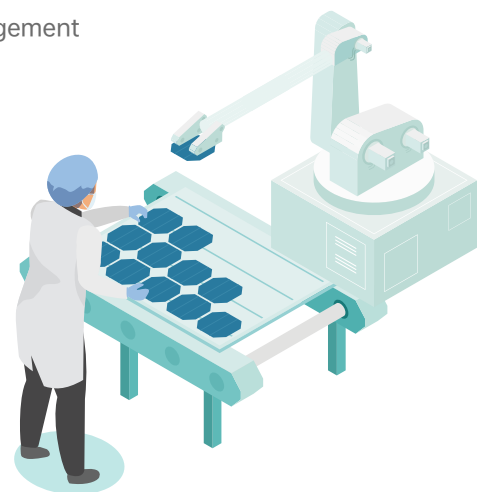
Gokin Solar places strong emphasis on technological innovation and R&D, continuously increasing its efforts in core technology breakthroughs and product innovation. The Company is committed to transforming critical technologies into practical applications and building a high-efficiency, low-carbon, and high-quality production system. Regarding product quality as a core competitive edge, Gokin Solar continually optimizes its quality management system, develops customized and high-performance solutions centered on customer needs, and provides lifecycle technological services to aid their high-quality and sustainable growth.

SDGs addressed in this Chapter



Material sustainability issues covered in this Chapter

- Technological Innovation and Intellectual Property Protection
- Customer Relationship Management
- Product Quality and Safety
- Clean Technology Opportunities
- Product Lifecycle Management



Technological R&D and Innovation

Gokin Solar is driven by technological innovation and actively enhances its in-house R&D capabilities and innovation efficiency. By improving its R&D system and advancing industry-academia-research collaboration, the Company is building an open and collaborative innovation environment and continuously strengthening its technological leadership.

R&D Innovation System

Guided by the development philosophy of being **"Technology-oriented, Innovation-driven"**, Gokin Solar consistently optimizes its R&D and innovation system. The Company has established a Technology R&D Center responsible for the introduction, research, and application of advanced technologies. Through collaborative innovation, in-house R&D, and industry-academia-research collaboration, Gokin Solar accelerates technological breakthroughs and their commercialization. To enhance the R&D management effectiveness, the Company has adopted Product Portfolio Management (PPM) and Integrated Product Development (IPD) methodologies to build a scientific and efficient R&D operational mechanism. This mechanism helps optimize management processes and policy frameworks, rationally allocate innovation resources, and strengthen the professionalism and synergy of the R&D system, laying a solid foundation for the Company's development and positioning Gokin Solar as a global benchmark for innovation in the PV sector.

In parallel, the Company emphasizes talent empowerment and innovation incentives. A technical expert training program has been established, with biannual specialized training sessions for core personnel to support their professional growth. For different types of innovation projects, Gokin Solar has implemented a diversified incentive mechanism encompassing promotion opportunities, performance-based bonuses, equity incentives, overseas training, and honorary recognitions, nurturing a sound innovation ecosystem. As of now, the Company has granted CNY 4,624,820 in innovation awards, benefiting 1,646 participants, encouraging initiative and a culture of bold innovation.

As of now,

the Company has granted

4,624,820 CNY

benefiting

1,646 participants



Advantages and Achievements in Innovation and R&D

Core Technological Advantages

Driven by technological innovation and guided by market demand, the Company has built a core competitive advantage characterized by full-size compatibility and comprehensive technology coverage. Our products are fully compatible with mainstream sizes such as 182/210/210R, enabling flexible adaptation to larger and thinner wafers, thereby effectively mitigating capacity impairment risks. We also boast full-process adaptability to mainstream cell technologies, including PERC, TOPCon, HJT, and XBC, ensuring rapid response to diverse customer needs. The Company's project, "Key Technology Research on High-efficiency n-type TOPCon PV Panels Based on Ultra-thin Silicon Wafers" was selected for the 2024 "Pioneer" and "Trailblazer" R&D Programs, further demonstrating its robust R&D capabilities in cutting-edge technologies. With a dedicated product management team, the Company continuously improves product quality and builds core performance advantages, such as low oxygen content, high resistivity consistency, and high minority carrier lifetime, thereby achieving ongoing technological advancement and reinforcing its market leadership position.

In 2024,

the market share of
Gokin silicon wafers ranked

among the global top **3**

Global silicon wafers shipments
reached

7.738 billion pieces

representing

18.7 % of China's
total exports



Indicator	Unit	2024	2023	2022	2021
R&D Investment	CNY 10 million	143.96	113.16	126.09	18.17
Proportion of R&D Investment to Main Business Revenue	%	12.38	5.53	7.35	7.53
Proportion of R&D Expenses to Main Business Revenue	%	3.53	1.71	0.62	1.30

R&D and Innovation Indicators

In addition, the Company focuses on overcoming technological bottlenecks in critical auxiliary materials, continuously increasing R&D investment. By adopting new technologies and processes, we enhance product performance and manufacturing efficiency, driving cost reduction, quality improvement, and operational excellence.



R&D Highlights and Achievements

Ultra-wetting cutting fluid

- Suitable for cutting processes including low-cost, high-performance, high-recycling, and half-cut wafers. Industry-leading dynamic surface tension; better slicing results than purchased alternatives; cutting fluid cost reduced by about **40** %.

3D diamond wire

- Achieved **16** % reduction in wire consumption, **0.2** % reduction in wire marks, and **15** % reduction in fluid consumption, resulting in a **10** % overall reduction in slicing costs.

Silicon material/wafer cleaning agent

- Reduced residual metal content in silicon by about **30** %; increased minority carrier lifetime by over **4** %. Hydrofluoric acid usage reduced by **70** %; cleaning cost reduced by **60** %.

Ultra-narrow main roller

- Reduced breakage rate by **1.6** %; decreased wire mark defects by **0.3** %; annual cost savings of approximately CNY **9** million.

Advancing Industry Development

Gokin Solar is committed to leading industry development through technological innovation and has achieved remarkable results in standardization system building. The Company has taken a leading or participatory role in drafting multiple industry standards, driving breakthroughs and standardization in key technology areas. These efforts have filled several gaps in the industry, contributing to its regulated, systematic, and sustainable development.

Standard Title	Standard Type
Determination of Carbon and Oxygen Contents in Single Crystal Silicon – Low Temperature Fourier Transform Infrared Spectroscopy Method	National Standard
Test Method for Gloss of Silicon Wafer	National Standard
Product Carbon Footprint – Product Category Rules – Photovoltaic Modules	Industry Standard
Evaluation Methods and Requirements for Low-carbon Products – Photovoltaic Modules	Industry Standard
Monocrystalline Silicon Wafers for Solar Cells	Enterprise Standard
Assessment Requirements for Quality Grading and Forerunner – Photovoltaic Silicon Wafer	Group Standard
Assessment Requirements for Quality Grading and Forerunner – Photovoltaic Silicon Ingot	Group Standard
Standard Project Title	Remarks
Compilation of National Standards for Semiconductor Materials	Participant
White Paper on Smart Photovoltaic Systems	Participant

List of Standards Involving Gokin Solar

Industry-Academia-Research Collaboration

Committed to improving its independent innovation system, Gokin Solar collaborates with leading domestic and international universities, research institutions, and partners throughout the industry chain to continuously stimulate innovation in core technologies. In 2024, Gokin Qinghai was approved as a Qinghai Provincial Engineering Technology Research Center. Leveraging this opportunity, the Company further deepened the industry-academia-research-application integration, conducting in-depth R&D in key PV technologies and enhancing core technological innovation. Focusing on five key areas: intelligent equipment manufacturing, silicon material innovation, wafer quality improvement, high-efficiency solar cell production, and smart technology development, the Company has established a multi-tiered collaborative R&D mechanism, accelerating the commercialization of technological achievements and strengthening the technological foundation for high-quality development.



Case: Collaborative Innovation in Low-oxygen, Low-energy Monocrystalline Furnace

To address technological bottlenecks such as high oxygen content and high energy consumption in monocrystalline silicon, Gokin Solar collaborated with Xi'an Jiaotong University, Qinghai University, and other institutions to optimize thermal field design and processing techniques. Leveraging interdisciplinary digital modeling and intelligent simulation, the Company dynamically optimized the crystal growth process, reducing oxygen content to 5 ppma, significantly improving product performance and stability. Simultaneously, through thermal field structure optimization and the application of high-purity materials, energy consumption was reduced by 30%, setting a new benchmark for the efficient and green production of high-power monocrystalline silicon.

Green Innovation and R&D

Upholding the concept of green development, the Company focuses on integrating cutting-edge technological breakthroughs with green manufacturing practices and driving low-carbon transformation across the entire product value chain. By optimizing product design and production processes, the Company aims to enhance product performance while maximizing resource utilization efficiency. This approach empowers the green transformation and upgrade of the PV sector and contributes to the construction of a sustainable energy future.

Seizing the Opportunities of Clean Energy

In response to the global shift toward green energy structures, Gokin Solar remains committed to advancing society through technology and safeguarding a better life through clean energy. The Company continues to deepen its presence across the entire PV value chain, building a green, intelligent, and sustainable development system. Since its inception, Gokin Solar has grown into a global leader in monocrystalline silicon wafers and module supply. Our business operations span high-purity silicon materials, wafers, ingots, cells, modules, and PV power plant construction and operation, delivering efficient, safe, and low-carbon energy solutions to customers worldwide.

As of 2024, Gokin Solar has continuously supported customer carbon reduction and energy saving through high-efficiency N-type product technology and integrated PV energy management capabilities. The Company has shipped over 150 GW of PV wafers, equivalent to a reduction of approximately 1.7 billion tons of carbon emissions, comparable to the environmental benefit of planting 90 million trees. Looking ahead, the Company remains committed to green and innovation-driven development, advancing high-quality clean energy growth and contributing continuously to the global transition toward a zero-carbon society.

To precisely quantify and minimize the environmental impact across the product lifecycle, Gokin Solar has embedded scientific methodologies throughout its product design and operational management.

Comprehensive Implementation of Life Cycle Assessment (LCA)

The Company has completed Life Cycle Assessments (LCA) for its core products, systematically covering the value chain, from raw material extraction, manufacturing, transportation, distribution, to product use and end-of-life disposal. The assessment scientifically identifies environmental impact hotspots (e.g., energy consumption, carbon emissions, and resource depletion), providing accurate data support and decision-making references for eco-design, process optimization, and supply chain management, thus driving the minimization of environmental impacts.

Case: Carbon Footprint Certification of Core Products

To further clarify the climate impact of its products, Gokin Solar has secured carbon footprint certificates for its core offerings, issued by authoritative institutions. These certifications strictly follow international standards (such as ISO 14067 and PAS 2050) and accurately calculate and verify total greenhouse gas emissions across the product life cycle. This achievement objectively demonstrates the Company's remarkable outcomes in pursuing carbon reduction pathways and significantly enhances green product competitiveness and transparency in domestic and international markets, responding directly to growing customer and investor demand for low-carbon solutions.

Additionally, to further communicate products' environmental performance in a globally recognized and transparent manner, the Company is advancing Environmental Product Declaration (EPD) certification. An EPD is a standardized environmental report based on LCA results and prepared under Product Category Rules (PCR), verified by an independent third party. Through the EPD, Gokin Solar will comprehensively disclose its product performance across multiple environmental dimensions, including resource and energy consumption, global warming potential (GWP), acidification, and eutrophication. These disclosures significantly strengthen our brand credibility, align seamlessly with international green procurement standards, and help expand global market opportunities.

By establishing and improving a product lifecycle management system, including LCA, carbon footprint certification, and EPD, and optimizing product design and manufacturing processes, Gokin Solar significantly enhances product performance and reliability. Simultaneously, we maximize the efficient use of resources and energy. The Company is firmly committed to green innovation and development, driving the high-quality growth of clean energy, and striving to inject continuous "Gokin Power" into building a zero-carbon society. All these efforts aim to lead the green upgrade and low-carbon transformation of the PV industry, contributing to the sustainable energy future.

Product Lifecycle Management

Gokin Solar proactively responds to China's national strategy for green and low-carbon development and consistently integrates the sustainability principles throughout the product lifecycle. At the material usage and product design stage, the Company minimizes the environmental impact by optimizing cutting processes, upgrading auxiliary material selection, and refining structural design – effectively reducing the consumption of critical resources such as diamond wire, silicon materials, heavy metals, and aluminum profiles. During the manufacturing stage, energy efficiency measures are continuously implemented across all production bases, including improving thermal efficiency and reducing energy consumption. Yield rates are also enhanced through the optimization of cleaning processes. In packaging and logistics, the Company adjusts packaging structures, optimizes transportation methods and warehouse layouts, and advocates green packaging materials to reduce resource waste and carbon emissions. Through material minimization, energy-efficient manufacturing, and green logistics, the Company is steadily building a robust green manufacturing system and advancing the path toward resource conservation and environmentally friendly development.

Case: Innovative Cleaning Technologies Drive Green Manufacturing Transformation

Focusing on green transformation in manufacturing, Gokin Solar pioneered three core technologies: Room-temperature Low-chemical Cleaning Processes, Environmentally Friendly Silicon Material Cleaning Agents, and Fluoride-removal Wastewater Recycling System. These innovations have reduced fluoride discharge concentrations to below 1 ppm – far superior to the national standard of 10 ppm. Remarkably, the Company's "Advanced Recycling Technology for Crystallization-Granulation Fluidized Bed" significantly enhances wastewater recovery efficiency and earned third prize in the Innovation Competition hosted by the Ministry of Industry and Information Technology. Through technological innovation across material usage, cleaning, and wastewater recycling, the Company has reached a higher level in resource circularity and energy efficiency, comprehensively elevating its green manufacturing capabilities.

Intelligent Manufacturing

Gokin Solar continues to advance the development of its intelligent manufacturing system by strengthening process coordination and workflow integration. The Company is steadily building a smart production infrastructure aimed at enhancing manufacturing efficiency and governance capabilities, thereby enabling a transition toward a more efficient, flexible, and sustainable manufacturing paradigm.

Digitalization Strategy

Guided by a digitalization strategy, the Company has established robust information infrastructure, migrated core business operations to the cloud, and enhanced data sharing and business collaboration. These efforts enable a full-scale digital transformation of production, management, and operations. Leveraging intelligent technologies to optimize production workflows and management decision-making, the Company improves operational efficiency and responsiveness. Backed by a unified data platform and an advanced data governance framework, Gokin Solar achieves accurate data analysis and application, aiding the reasonable formulation and implementation of strategic objectives.

	Infrastructure Development Stage	Business Cloud Migration Stage	Intelligent Collaboration Stage	Data Empowerment Stage
Key Measures	Enhance network architecture and information security system	Advance cloud migration of ERP, OA, SRM, and other systems	Introduce BI systems and mobile office platforms	Drive data governance and build a data middle platform
Focus Areas	Cybersecurity, platform construction	Process optimization, system integration	Data sharing, collaborative office	Data governance, decision-making support
Strategic Objectives	Strengthen platform-based operations, ensure data security and system stability	Standardize core business processes and enhance information transparency	Break down data silos to improve cross-departmental collaboration and decision-making	Provide real-time data support for management

Digitalization Strategy Roadmap

In addition, the Company has secured the Integration of Informatization and Industrialization Management System Certificate, establishing a data-driven framework for deep integration of IT and industrial systems. This integration enables digital collaboration and intelligent optimization across key functions such as R&D, production, quality, and supply chain management, remarkably enhancing overall operational efficiency.



Integration of Informatization and Industrialization Management System Certificates

Digital Management

Based on our digitalization strategy, we focus on enhancing operational efficiency and process synergy by building a core digital ecosystem centered on ERP, SRM, OA, and WMS systems. This ecosystem supports standardized business processes, paperless administrative workflows, and visualized warehousing and logistics, thereby accelerating organizational responsiveness and optimizing resource allocation. These efforts lay a solid foundation for lean and intelligent management, driving continuous improvement in digital governance.

Module Category	Core Systems	Description of Functions and Value
 Operations Management	• ERP • SRM • CRM • IPAAS	• Integrate financial, procurement, and customer processes to enable unified business management and improved resource allocation and integrated operations
 Office & Collaboration	• OA • Automated Reporting Tools	• Enable paperless workflows for approvals, meetings, and reimbursements, and automatically generate reports on production, work hours, and anomalies to enhance work efficiency
 Warehousing & Logistics	• WMS • TMS	• Intelligently manage inbound/outbound inventory and audits, and optimize transport scheduling, enabling end-to-end logistics tracking and transportation cost control

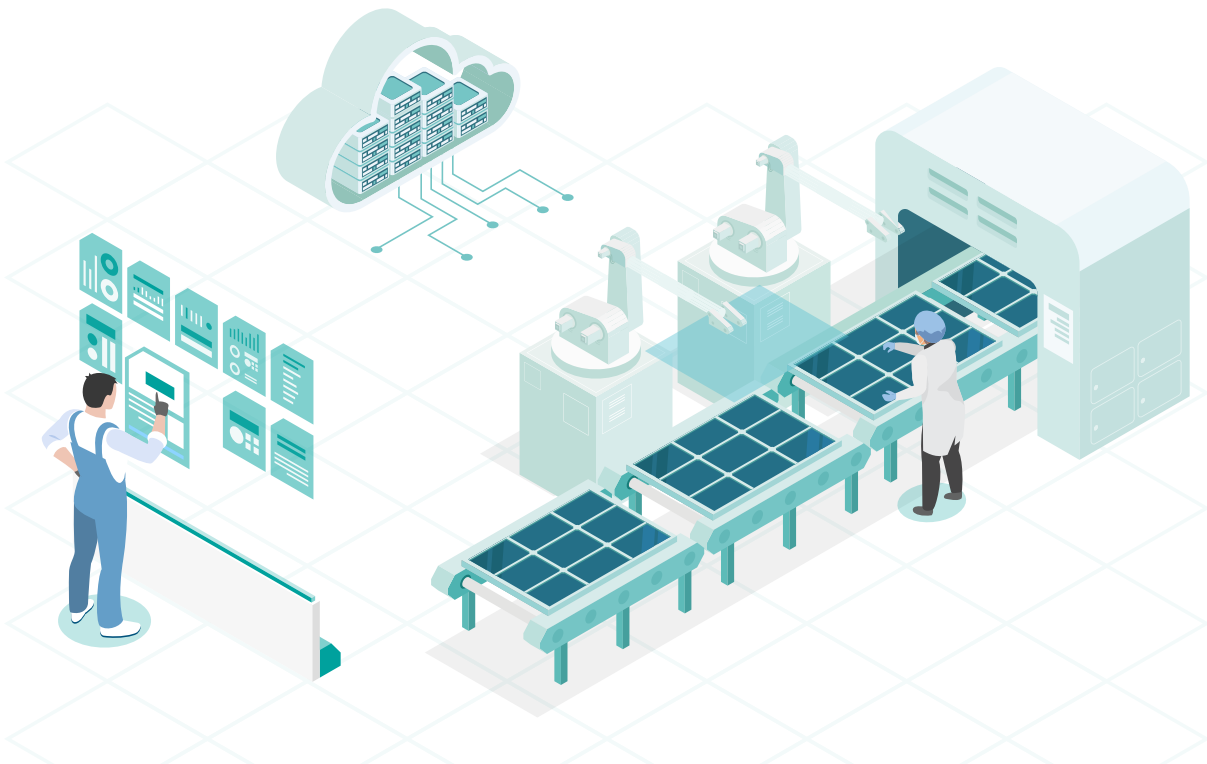
Digital Management Systems



 Smart Factory

To enable deep integration of digitalization with manufacturing operations, the Company is steadily advancing the development of smart factories, establishing an end-to-end intelligent production system that spans from monocrystalline manufacturing to wafer processing. Through comprehensive digital monitoring, the Company ensures visualization, controllability, and ongoing optimization of production processes, securing the efficient and stable operation of critical technologies. Upgrading the manufacturing models through intelligent means, the Company significantly enhances product yield and production efficiency, supporting cost reduction and efficiency improvement goals while strengthening its core competitiveness in the PV sector.

Application Scenario	Digitalized Production	Outcome
 Dynamic Wafer Process Parameter Control	- Real-time collection of equipment metrics such as wire tension, grinding pressure, and chemical concentrations - Optimization of process parameters using big data and machine learning	- Significant improvements in flatness and thickness uniformity 10%–15% reduction in energy consumption
 Equipment Coordination & Resource Scheduling	- Integration of equipment linkage and dynamic scheduling via MES and SCADA platforms - Reduction of idle time and unplanned downtime	- Improved capacity utilization 20%–30% reduction in production cycle
 End-to-End Data Traceability	Creation of digital twin records, including key production data such as monocrystal performance, cutting parameters, and timestamps	- Rapid quality traceability - Over 15% increase in yield rate



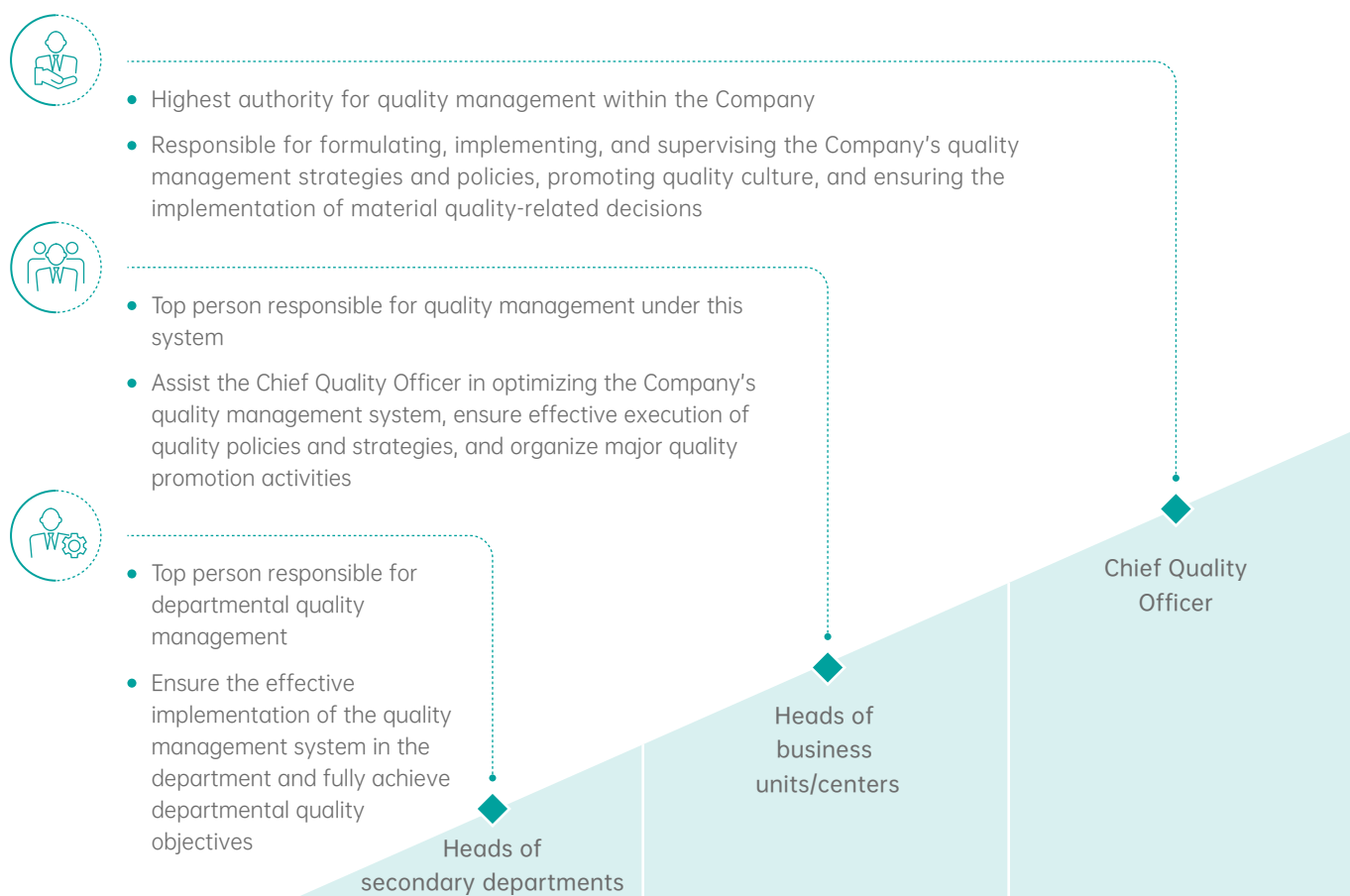
Product Quality and Safety

Gokin Solar upholds a quality-first philosophy and is committed to delivering safe, reliable, high-performance PV products to customers worldwide. By establishing a scientific and systematic product quality management system, the Company ensures end-to-end quality control throughout the product lifecycle, enabling robust, efficient, and green PV energy solutions through excellence in quality.

Product Quality Management

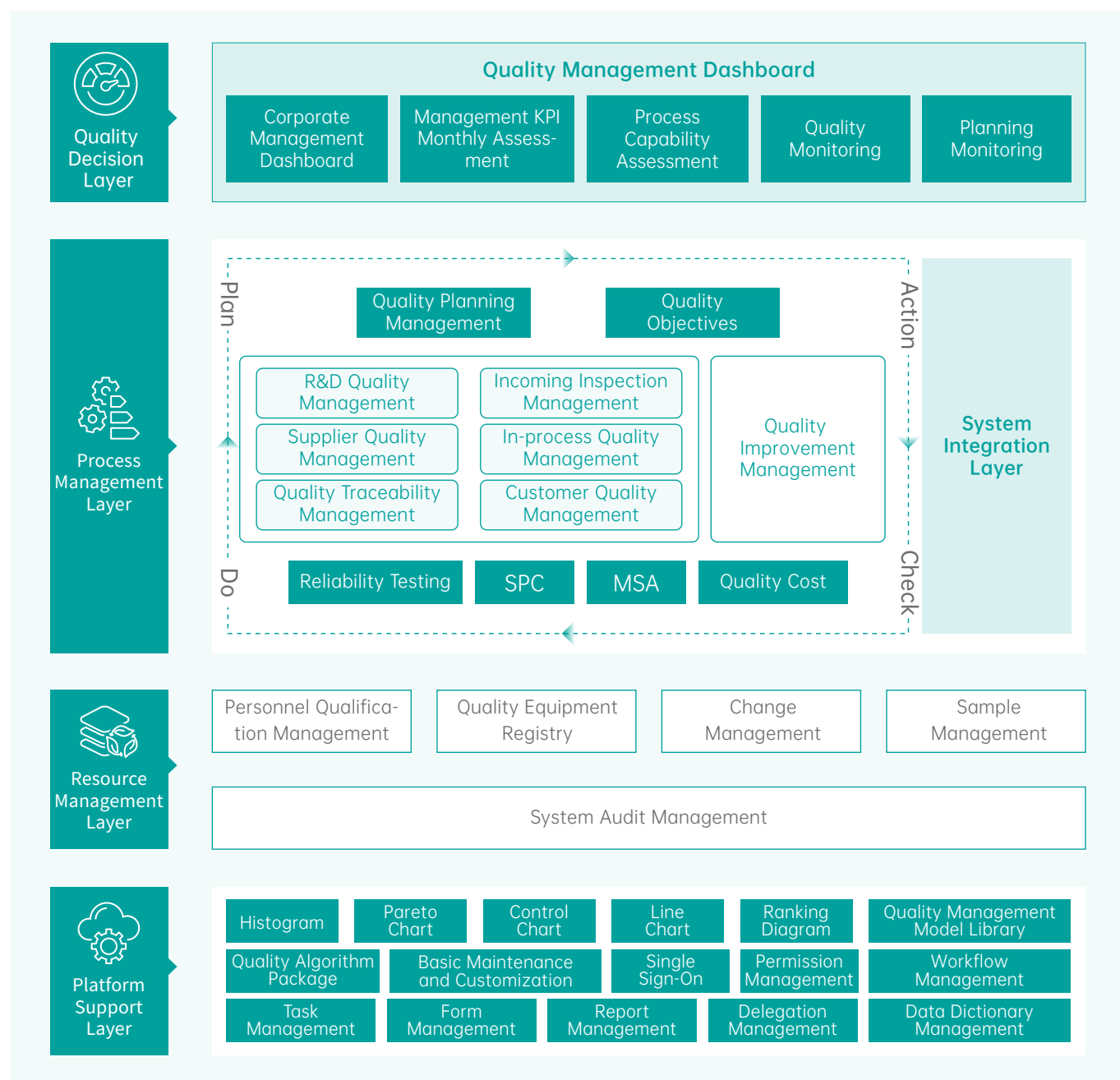
Quality Management System Development

Upholding the quality policy of **"Excellence in Craftsmanship for Perfection"**, Gokin Solar builds a quality management system where "quality drives operations". The Company's Chief Operating Officer concurrently serves as the Chief Quality Officer, creating a top-down responsibility transmission mechanism. This structure defines quality responsibilities across all organizational levels and ensures effective execution across every stage of the value chain.



Role Positioning within the Quality Management System

Gokin Solar has implemented a four-dimensional organization-wide quality management architecture that includes: platform support, resource management, process management, and quality decision-making. The decision-making level focuses on top-level strategy and core indicators. The process management level executes specific quality control tasks. The resource management level ensures optimal allocation of human and equipment resources. The platform support level provides technological tools and infrastructure. All these levels are integrated through a centralized information system to ensure efficient collaboration and seamless communication. Through this structured system, the Company continues to advance lean quality management practices, systematically enhancing product and service quality to meet evolving customer needs. At present, the Company has obtained ISO 9001:2015 Quality Management System Certificate and IEC 62941:2019 Certificate for Terrestrial Photovoltaic (PV) Modules - Quality System for PV Module Manufacturing. All core products have passed EU and international regulatory tests including RoHS, REACH, and PFAS compliance standards.



Type	Certificate
ISO 9001:2015 Quality Management System Certificate	
IEC 62941:2019 Certificate for Terrestrial Photovoltaic (PV) Modules - Quality System for PV Module Manufacturing	

Quality Management System Certificates

In addition, the Company conducts regular internal and external audits, and management reviews throughout the year to evaluate the implementation of its quality management system. These assessments are used to verify process consistency with established standards and systematically identify potential risks. For any issues identified during audits, Gokin Solar promptly assigns responsible departments to develop and implement corrective actions. These efforts ensure ongoing improvement of the quality management mechanism and guarantee that the system remains compliant, scientific, and well-governed.

In 2024,

the incidents of administrative penalties resulting from product or service-related quality or safety issues were

0

Product Quality Management Policies

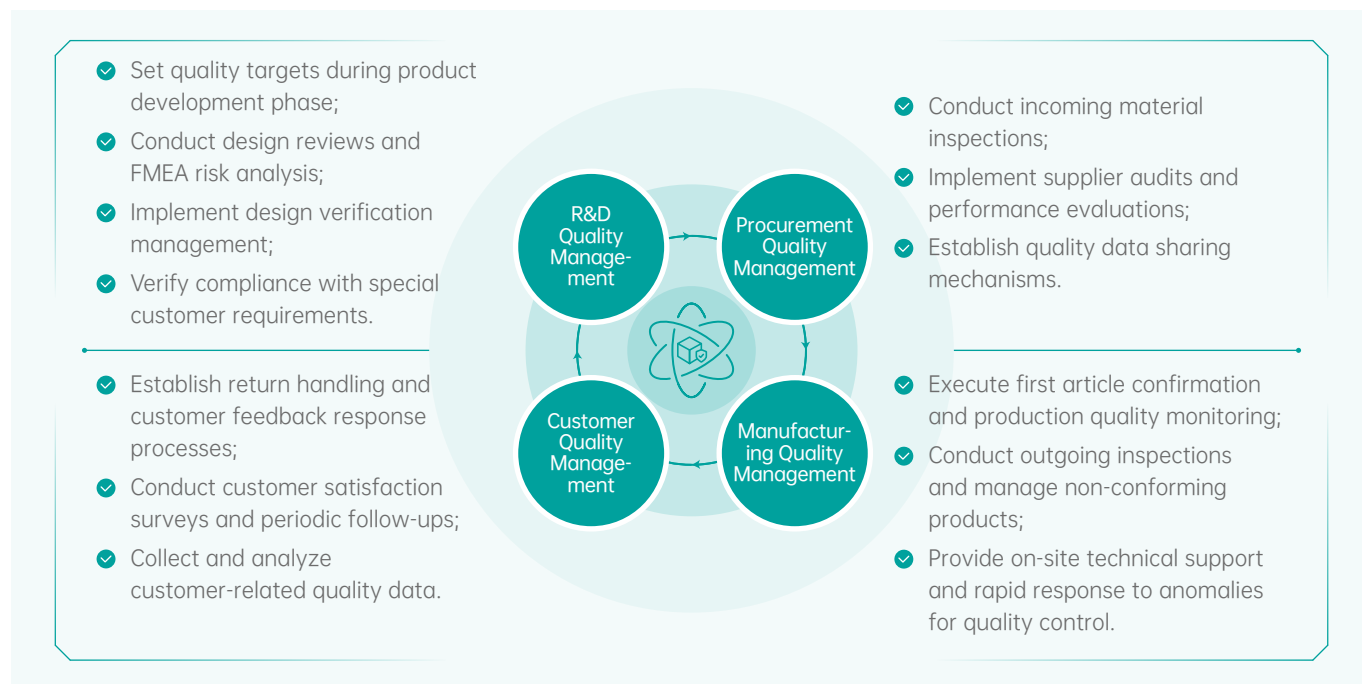
To comprehensively enhance the quality of PV modules and standardize production operation procedures, the Company has developed and implemented a series of PV module inspection standards. These standards encompass refined inspection criteria covering raw materials, production processes, and finished product quality, ensuring that every module undergoes rigorous quality control from raw material warehousing to finished product delivery, establishing a solid foundational defense line for product quality.

In parallel, the Company has issued the *Quality Red Line Management Regulations*, which clarifies non-negotiable quality thresholds during production at the policy level. The document explicitly lists violations such as falsification of test results, omissions in inspection, concealing quality issues, use of untested or non-compliant materials, and unauthorized modifications to process parameters as red-line offenses. Any infractions will trigger strict accountability under the policy. Additionally, the Company enforces *Quality Reward-Penalty Management Regulations*, integrating quality performance into the performance evaluation and incentive system to drive accountability across all levels.



Product Quality Management Process

Leveraging intelligent manufacturing technologies, the Company has established a digital and intelligent “Total Quality Management (TQM) System”, optimizing quality control processes across the value chain. This refined management framework spans R&D, procurement, manufacturing, and customer management, ensuring the continuity and integrity of quality control. The system enables real-time visibility throughout the product lifecycle, thereby strengthening quality assurance and operational efficiency. The Company has also implemented the *Traceability Management Regulations* to strengthen traceability information management across the entire value chain, from raw materials and production to finished product inspection, warehousing, logistics, and after-sales service. This process ensures product quality traceability, problem localization, and clear accountability assignment.



Quality Management Process

Quality Risk Identification and Control

To strengthen proactive quality risk control, the Company has enacted the *Quality Audit Management Regulations*, focusing on routine inspections of critical risk areas such as process parameters, equipment performance, operating standards, material usage, and documentation to proactively identify and address potential quality hazards. Auditors maintain detailed records of identified anomalies and implement the *Quality Inspection Abnormality Improvement Tracking Form* to assign accountability to responsible units, driving root cause analysis and preventive measure implementation to establish a comprehensive process mechanism encompassing risk discovery, control, remediation, and verification. For key risk areas, the Company conducts ad-hoc specialized audits implementing comprehensive screening to strictly control systemic quality risks.

Additionally, the Company has established a robust non-conforming product management mechanism through the *Non-conforming Product Management Standards*, implementing end-to-end prevention of non-conforming product release through identification, isolation, documentation, and information communication processes, controlling quality risks across raw materials, work-in-process, and finished products at all stages. Disposition methods include rework, repair, scrap, deviation approval, and downgrading. For major abnormalities, the Company requires submission of 8D reports to facilitate root cause analysis and closed-loop improvement, thereby ensuring effective management of quality issues.

Quality Culture Development

The Company continuously strengthens quality awareness and management capabilities across all employees by regularly organizing quality training programs, sharing best practice case studies, and enhancing employee understanding and execution of the quality management system. Simultaneously, the Company encourages employees to proactively propose quality improvement suggestions through diverse activities, including Quality Month campaigns, Improvement Weeks, skills competitions, and workshop quality interviews, creating a robust quality improvement culture that promotes experience sharing and problem resolution.

Case: "Quality Month" Quality Improvement Campaign

On August 26, 2024, the Gokin Crystalline Silicon Division leveraged the national "Quality Month" opportunity to launch quality management activities themed "Cultivating Quality Culture, Deepening Quality Awareness, Enhancing Quality Standards, and Strengthening Customer Satisfaction". The activities included tiered quality awareness training, on-site quality knowledge competitions, quality issue review campaigns, "My Recommendations for Quality" programs, and employee skills competitions, thereby deepening employee quality consciousness, improving operational compliance, and continuously optimizing and enhancing product quality.



"Quality Month" Launch Ceremony at Various Bases

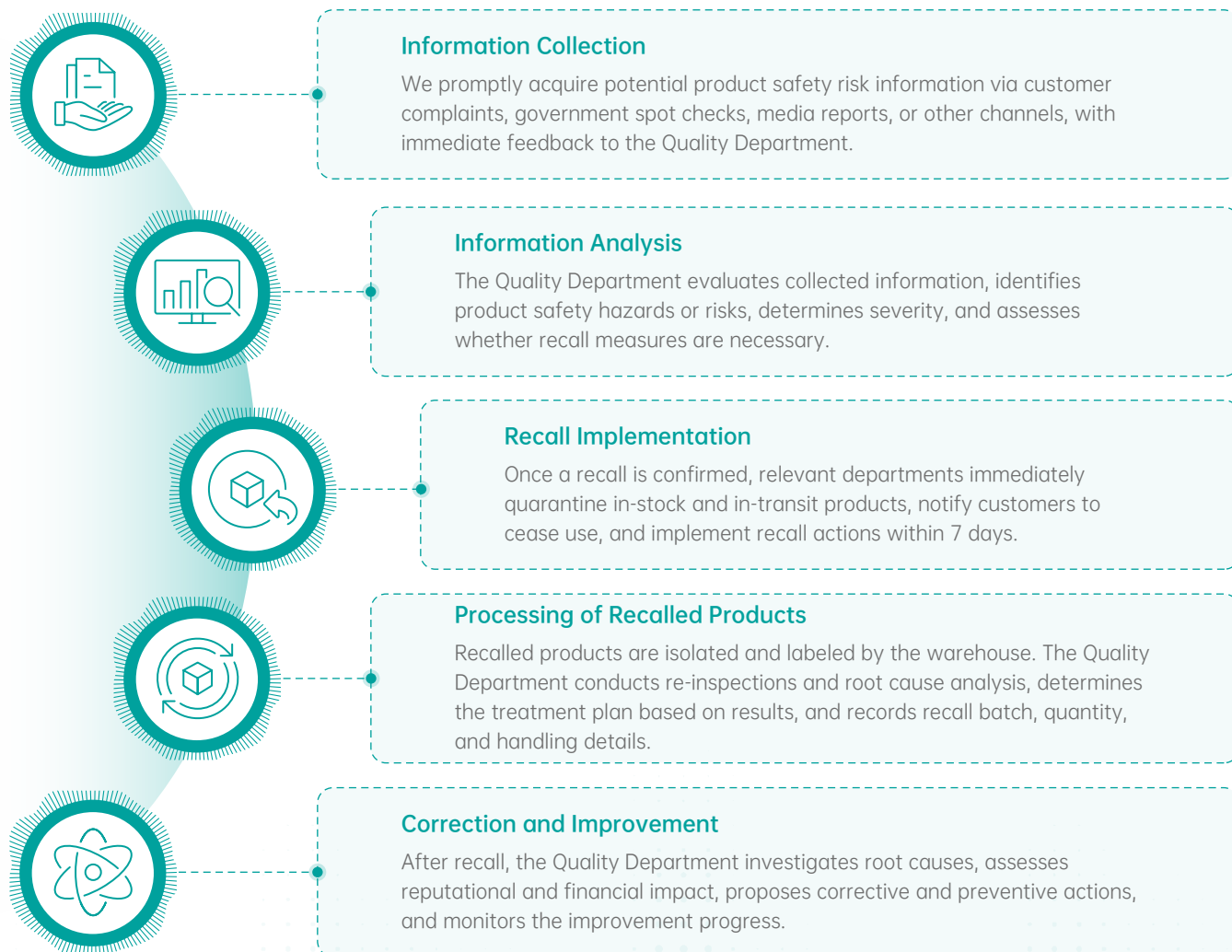
Product Recall Mechanism

To strengthen product quality management and ensure customer safety, the Company has established the *Product Recall Management Regulations*, encompassing critical key processes including information collection, analysis and assessment, recall execution, outcome management, and continuous improvement to ensure potential non-conforming products are effectively identified and addressed in a timely manner. Through cross-departmental collaboration and efficient response mechanisms, the Company promptly eliminates product quality risks, minimizes customer losses, and further reinforces brand image and reputation.

In 2024,

the Company had

0 product recall incidents attributed to product quality issues



Product Recall Process

Supplier Quality Management

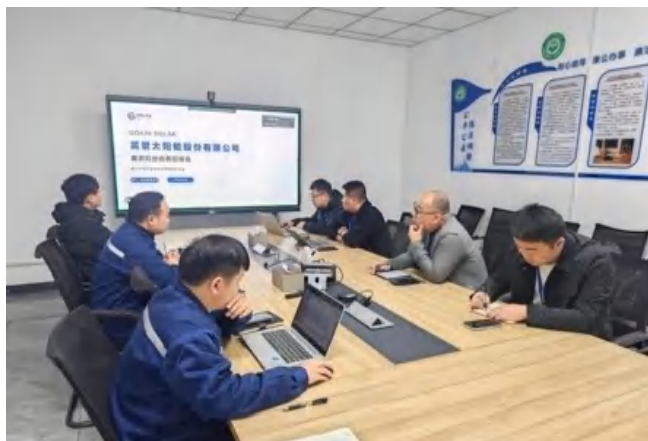
Supplier Quality Management Policies

To ensure production quality from the source, the Company has established a comprehensive supplier quality management system. We have formulated the *Supplier Quality Agreement* as an annex to procurement contracts, covering a wide range of aspects, including supplier quality assurance systems, quality audits, incoming material inspections, packaging management, and hazardous substance control. This framework ensures rigorous control of incoming materials. As an industry frontrunner, the Company pioneered the implementation of a "Quality Veto Power" for new suppliers. Under this mechanism, only those that meet strict evaluation standards and pass multi-dimensional assessments may enter the supply chain, thereby preventing unqualified vendors from becoming part of the supply chain. This approach enhances the overall stability of the supply chain and strengthens the Company's ability to manage quality risks at the source.

Furthermore, the Company has developed a lifecycle-oriented supplier quality evaluation system, encompassing pre-qualification, routine evaluation, and annual performance review. A robust *Supplier Evaluation and Audit Management Mechanism* has been established to support this process. Through regular supplier assessment reports, the Company provides timely feedback on quality issues and urges suppliers to enforce corrective actions. Suppliers failing to meet improvement requirements are subject to disqualification, ensuring sustained quality performance and reliable material inputs. This approach fosters efficient collaboration and quality assurance across the supply chain.

Supplier Quality Management Measures

To enhance suppliers' quality management capabilities, the Company adopts systematic, multi-dimensional management measures. Key quality metrics, monthly performance data, and annual improvement progress are closely monitored to drive continuous improvement in quality performance. For performance deviations or quality issues, the Company collaborates with suppliers to establish dedicated improvement teams, regularly conducting progress meetings, supplier quality training programs, and experience-sharing activities. Additionally, the Company conducts on-site problem analysis and remediation guidance at supplier facilities to ensure all improvement measures are implemented through closed-loop execution and achieve tangible results.



Joint Quality Improvement Team Meeting



On-site Supplier Collaboration for Corrective Actions

Customer Service and Experience

The Company remains steadfast in its customer-centric approach, committed to building an efficient and professional customer service system while continuously optimizing customer experience. By enhancing service mechanisms and strengthening customer communication and satisfaction management, the Company strives to improve service quality and customer satisfaction, earning broad recognition and trust from its customers and achieving mutual development and shared success.

Responsible Marketing Management

Gokin Solar complies with the *Advertising Law of the People's Republic of China* and other applicable laws and regulations, and has established a sound marketing management system and organizational structure. The Company has established a cross-departmental coordination mechanism involving the Branding Department, Marketing Department, and ESG management. All externally published promotional materials undergo rigorous review processes to ensure content authenticity, accuracy, and legal compliance, eliminating false advertising and misleading statements. This approach effectively enhances the professionalism and compliance of corporate communications, safeguards consumer right to information and trust, and establishes a responsible brand image. In 2024, the Company recorded zero violations related to product and service information or labeling.

Customer Service Management

The Company has established a customer-centric, end-to-end customer relationship management system that encompasses pre-sales, sales, and post-sales phases, ensuring efficient coordination and accurate service delivery in customer engagement, response, complaint handling, and service support. To standardize service operations, the Company has introduced and implemented a series of policies, including the Customer Complaint Management Regulations, the Module Product Return and Exchange Management Regulations, and the Module Technology Service Management Regulations. These documents define procedures for complaint reception, processing, and closed-loop follow-up. An "Iron Triangle" joint service team, comprising representatives from commercial customer service, quality management, and technological improvement, has been established to provide rapid, professional, and coordinated complaint resolution. Tailored solutions are formulated based on the nature of the complaint and negotiation outcomes, encompassing options such as return and exchange, repair, compensation, or credit deduction. This approach has significantly enhanced handling efficiency and customer satisfaction.

Customer Complaint Handling

- Channels for complaint handling include but are not limited to WeChat, phone, email, and online meetings;
- Complaint response time must be less than four hours.

Corrective Measures

- A preliminary analysis and improvement plan must be provided within 24 hours of feedback date;
- Implement improvement plan within 3 days.

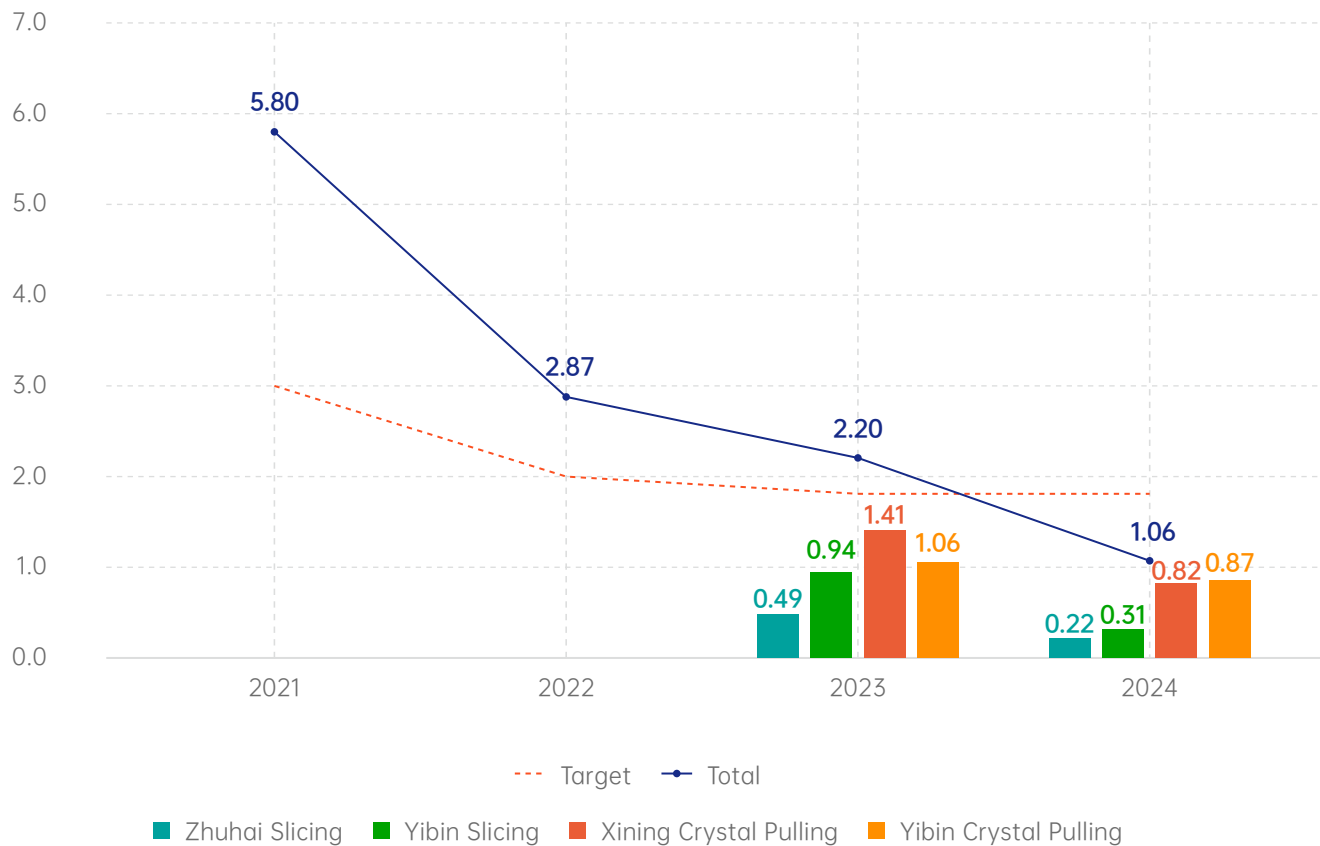
Complaint Closure

- Close the loop with customer satisfaction as the final point;
- In absence of customer feedback, closure is acceptable after 3 consecutive qualified batches or over 30 days without feedback.

Customer Complaint Handling Model

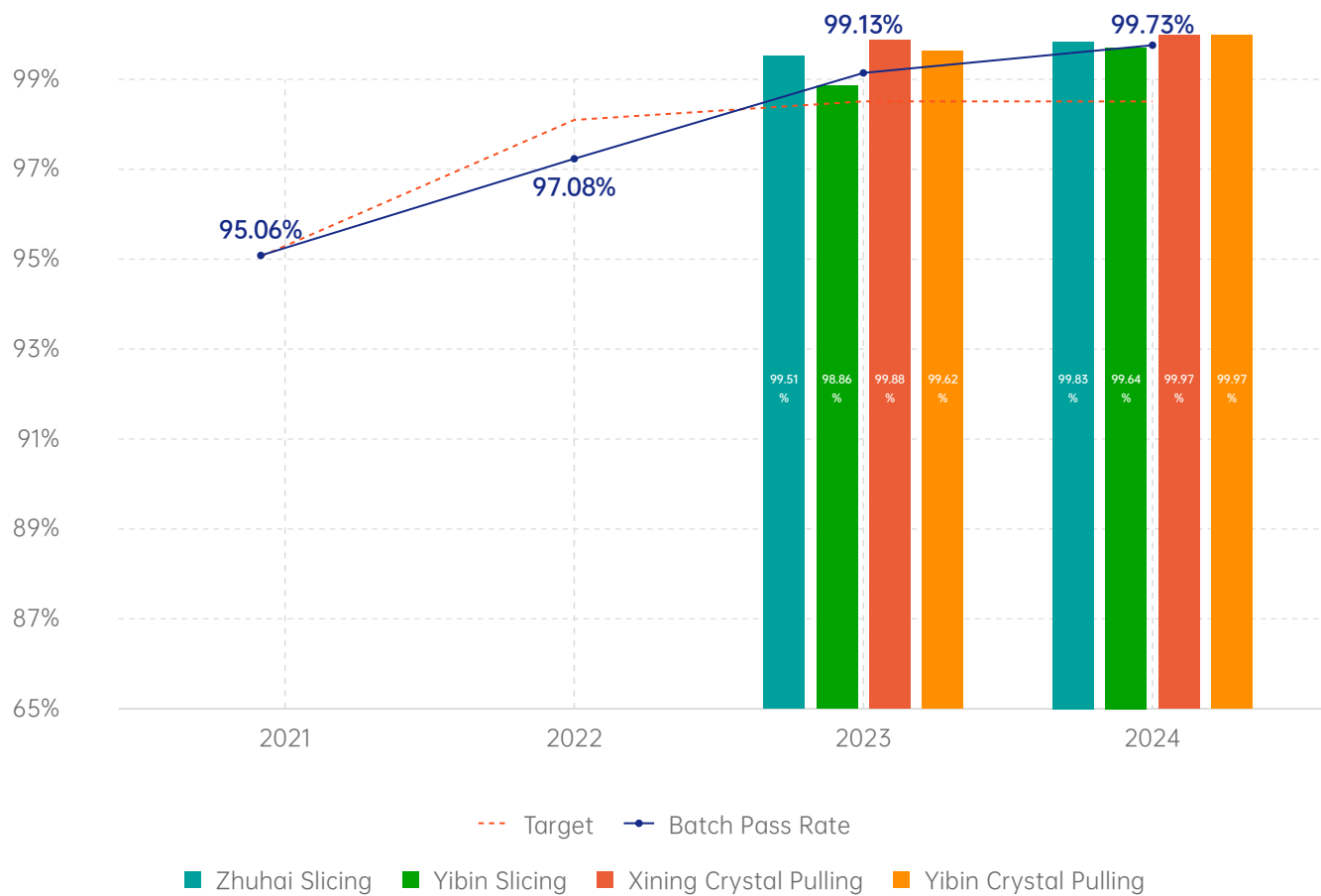
As a result of continuously optimized service management system, the Company's customer complaint rate per 100 million modules dropped from 5.8 in 2021 to 1.06 in 2024, with a complaint improvement rate of 82%, marking a notable enhancement in service quality¹.

▼ Customer Complaint Rate per 100 Million Pieces



1.The data does not include the Guangzhou base.

▼ Incoming Batch Pass Rate



Customer Satisfaction Management

The Company places strong emphasis on customer satisfaction management and is committed to systematically enhancing customer experience through reasonable and structured methodologies. To this end, the Company has established the *Customer Satisfaction Management Regulations*, mandating at least one comprehensive satisfaction survey annually. In addition, the Company maintains close communication with customers via diverse channels including forums, interviews, roundtable discussions, WeChat, and email to collect feedback and suggestions on an ongoing basis. Monthly follow-ups are conducted for key customers to ensure prompt response to customer input and facilitate service improvements based on feedback.

For satisfaction evaluation, the Company has developed an assessment system encompassing "4 dimensions and 14 evaluation points", covering quality, logistics, delivery, and corporate reputation. This framework enables thorough analysis of customer needs and pain points. Based on the insights gained, targeted improvements have been implemented in three key areas: post-sales process optimization, logistics service upgrades, and delivery tracking enhancement – all for ongoing service optimization. Meanwhile, the Company has conducted online training for the Customer Service Department, focusing on customer care and service capability enhancement, standardizing service procedures, and minimizing errors in customer service.

From 2021 to 2024, the Company's customer satisfaction score increased from 88 to **98**, reaching an industry-leading level. The Company has received supplier satisfaction awards for three consecutive years and maintained a customer retention rate exceeding

95 %



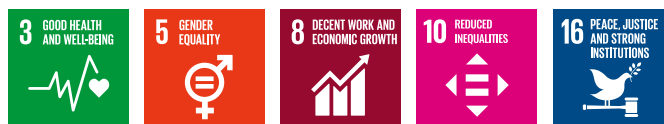


03

People-oriented Philosophy, Building a Happy Workplace

Gokin Solar firmly believes that employees are the driving force and invaluable assets behind corporate development. The Company regards employee rights and development as an integral part of its sustainable growth strategy. We continuously enhance our human capital management system, embedding a people-oriented philosophy into every aspect of corporate operations. We proactively build talent development platforms to unlock employee potential, empowering them to realize personal value and advance in step with corporate progress – moving steadily toward the vision of becoming a world-leading photovoltaic technology enterprise.

SDGs addressed in this Chapter



Material sustainability issues covered in this Chapter

- Human Capital Development
- Employee Rights Protection
- Occupational Health and Safety



Employee Rights Protection

Gokin Solar 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 labor regulations. We resolutely respond to international initiatives and standards, such as the *Universal Declaration of Human Rights* and the *International Labour Organization (ILO) Conventions*, striving to safeguard employees' fundamental human rights and labor entitlements. Upholding the principles of fairness and equity, the Company respects every employee regardless of their background. Moreover, the Company is committed to strengthening employee communication channels and enhancing democratic management mechanisms to create a safe, healthy, diverse, inclusive, and non-discriminatory workplace environment.

Compliant Employment Practices

Gokin Solar has established internal policies and regulations, including the *Onboarding Management Regulations* and the *Protection Regulations for Child and Juvenile Labor*, to ensure that the hiring and employment processes are free from discrimination on the basis of race, ethnicity, religion, gender, age, sexual orientation, or any other characteristic. The Company strives to create an open, fair, and impartial working environment. In the event a minor under the age of 16 is mistakenly hired, the Company will implement immediate corrective measures and investigate personnel involved for violations of employment policies. During the reporting period, there were no incidents of child labor or forced labor.

On May 23, 2024, at the 2024 National Campus Recruitment Trend Seminar in Chengdu themed "Vision for the Future, Growth in the AI Era", Gokin Solar Co., Ltd. ("Gokin Solar") stood out for its outstanding 2024 graduate recruitment performance and innovative campus employer branding. The Company was honored with the "2024 China Best Employer Campus Recruitment Case Award".

During the reporting period,
there were

0 incidents of child labor or
forced labor



Remuneration Policy and Basic Benefits

To regulate remuneration management, we have established a scientific and rational salary system. Compensation policies are formulated based on market conditions, job value, and individual competencies. Employee remuneration is regularly adjusted in response to employee performance and market salary dynamics, ensuring both internal equity and external competitiveness.

From 2021 to 2024,

Gokin Solar maintained a

100 % coverage rate in both social insurance enrollment
and employment contract execution for 4 consecutive years

Additionally, the Company has established the *Welfare Management Regulations* to provide comprehensive employee benefits and diversified leave entitlements for all employees. These benefits are subject to timely adjustments based on actual implementation outcomes and employee feedback to ensure their reasonableness and employee satisfaction.

Gokin Solar's Compensation and Benefits



The Company provides all statutory benefits required by law, including social insurance and housing provident fund contributions.

◆ Year-end bonus

Determined through comprehensive evaluation of the Company's annual operating performance and individual employee performance throughout the year. The Company considers annual results, profitability, and market conditions, while employees' bonus amounts are determined based on their work performance, contribution levels, and performance evaluation results. The specific framework is governed by the annual performance evaluation plan published by the Human Resources Department each year.

◆ Paid leave

In accordance with the Attendance Management Regulations, employees are entitled to paid leaves, including annual leave, marriage leave, maternity leave, bereavement leave, and family visit leave.

◆ Annual health examination

Free annual health examinations are arranged for all employees from their date of employment.

◆ Special benefits

Based on the Company's operating conditions and employee engagement and satisfaction levels, the Company provides various benefits, including holiday benefits, training benefits, assistance funds, and position allowances.

◆ Holiday benefits

Administrative departments distribute holiday gift packages to all employees during statutory holidays.

◆ Training benefits

Based on performance evaluation results, the Human Resources Department develops and implements training programs to ensure employees' knowledge and skills remain sync with evolving professional technologies and external environments. Our training programs include on-the-job training, academic advancement, and continuing education.

◆ Assistance fund

The Company established the "Starlight Foundation" to provide emergency relief for employees and families facing urgent or exceptional difficulties, and to offer financial support to academically excellent students from financially disadvantaged families who are unable to afford tuition fees.

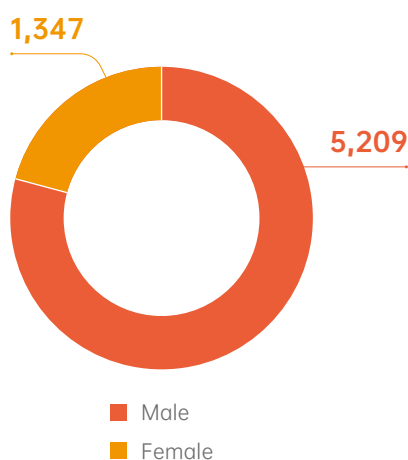
◆ Position allowances

High-temperature allowances are provided to employees working in high-temperature environments from June to October each year. Position allowances are also provided for roles requiring urgent skilled labor or positions with high professional skill requirements, based on the Company's production output and business needs.

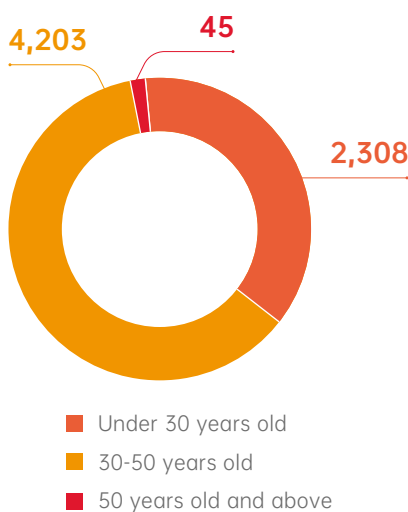
Employee Diversity

We firmly believe that a diverse workforce and unique individual characteristics are key drivers of corporate vitality. We are committed to respecting and valuing each employee, creating a supportive and inclusive working atmosphere where everyone feels a sense of belonging and dignity. We offer broad career development opportunities and equitable growth pathways, enabling employees to fully unleash their talents and integrate personal achievement with organizational advancement. We endeavor to cultivate a workplace that is inclusive, innovative, and efficient, in which employees can realize their career aspirations while contributing to the Company's sustainable development.

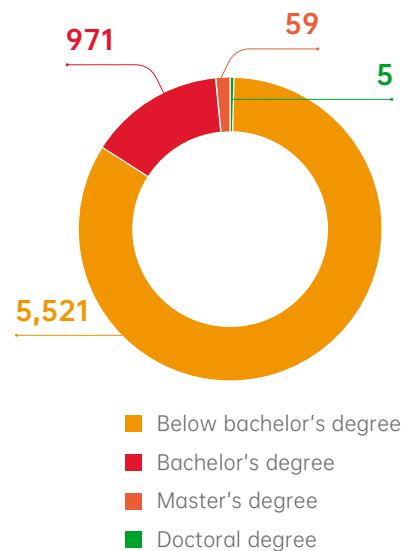
▼ Number of employees by age



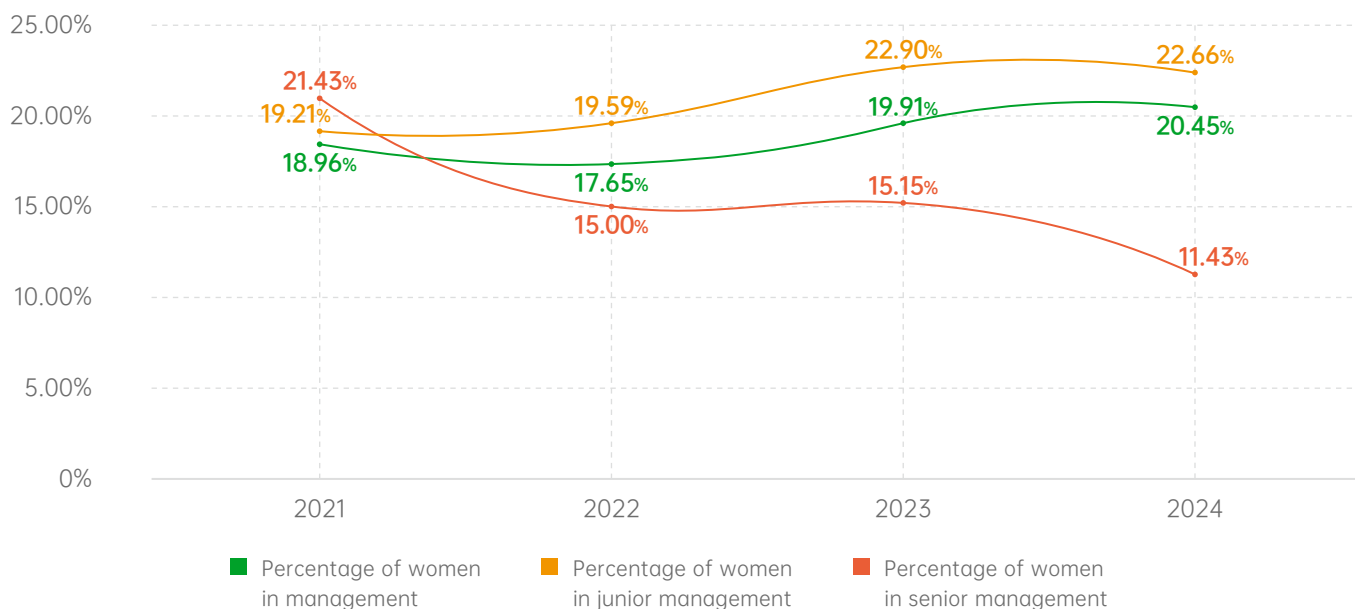
▼ Number of employees by gender



▼ Number of employees by educational background



▼ Proportion of women in management



Talent Cultivation and Development

Gokin Solar has established open and diverse channels for attracting talent, positioning its talent strategy as a core pillar of corporate development. The Company has developed an information-based recruitment platform, significantly enhancing recruitment efficiency and quality through streamlined processes. By leveraging big data analytics, the Company is able to precisely target suitable candidates, thereby improving recruitment accuracy and success rates while strengthening the match between job roles and talent profiles.

The Company has established a series of policy documents, including the *2024 Year-end Excellence Evaluation Plan*, the *2024 Year-end Performance Appraisal Plan*, and the *Job System Management Policy*, while continuously optimizing compensation management and performance evaluation mechanisms. We have built a diversified compensation structure encompassing base salary, performance bonuses, long-term incentives, and welfare benefits. Our comprehensive assessment framework evaluates employees across multiple dimensions, including performance achievement, learning and development, and match between corporate values and culture. Additionally, we design tailored incentive programs for different positions to meet diverse motivational needs and support employee engagement across all organizational levels.

In terms of compensation management, the Company collaborates with third-party institutions to conduct industry salary benchmarking studies and comparative analysis. We have also restructured salary bands, and introduced a "broadband compensation" model to enhance compensation flexibility. As a result of these enhancements, our compensation competitiveness rose to rank within the top 40% of the industry, recruitment cycles for critical positions were shortened by 20%, and the turnover rate of core employees decreased by 15% year-on-year. Furthermore, the Company has integrated ESG indicators into the performance appraisal system, with ESG components accounting for an average of approximately 10% of the overall evaluation. These indicators cover energy conservation and emissions reduction targets, work safety, and employee training, driving sustainable development across operations.

Regarding performance management, we have adopted a "monthly dynamic assessment + annual comprehensive evaluation" model. An online performance appraisal system has been established to digitize the entire process, including goal setting, progress tracking, and results feedback. A newly introduced "green appeal channel" ensures employees have the right to provide feedback on their appraisal results. These measures have remarkably improved appraisal efficiency, fairness, and transparency.

In 2024,

the efficiency of the appraisal process improved by

30%

and the appeal mechanism achieved a

100% resolution rate for disputes raised during its operation

In terms of career development, the Company has refined its management and professional career tracks. Through the "Qianlima Program", we provide targeted training for future managers and have upgraded our technical ranking system by introducing titles such as "Chief Engineer" and "Senior Technician". These initiatives led to a 40% year-on-year increase in promotions in the technical career path in 2024, while the retention rate of key technical personnel rose to 92%. The Company also launched a management trainee program, covering 50 core talents, with a 95% qualification rate for the talent reserve pool.



Additionally, the Company has implemented equity incentive plans through 10 employee stock ownership platforms. Incentive recipients include the founding team, core management, mid- to senior-level executives, key technical and business personnel, as well as newly recruited talents essential to the Company's growth. These incentives aim to attract and retain high-caliber talent, aiding the Company's healthy and stable development.

Through these measures, Gokin Solar has improved employee satisfaction, retention, and compensation competitiveness in 2024, laying a solid foundation for its long-term sustainable development.

Beyond comprehensive compensation and performance appraisal mechanisms, the Company continuously strengthens employee training and development efforts to comprehensively cultivate employee capabilities, maximize individual value realization, and support personal advancement. During the reporting period, ESG training coverage for employees reached 100%, and the Company allocated CNY1.4 million to support employees in pursuing higher education. Simultaneously, we promote university-industry collaboration to drive synergy between academia and business.

During the reporting period,

ESG training coverage
for employees
reached

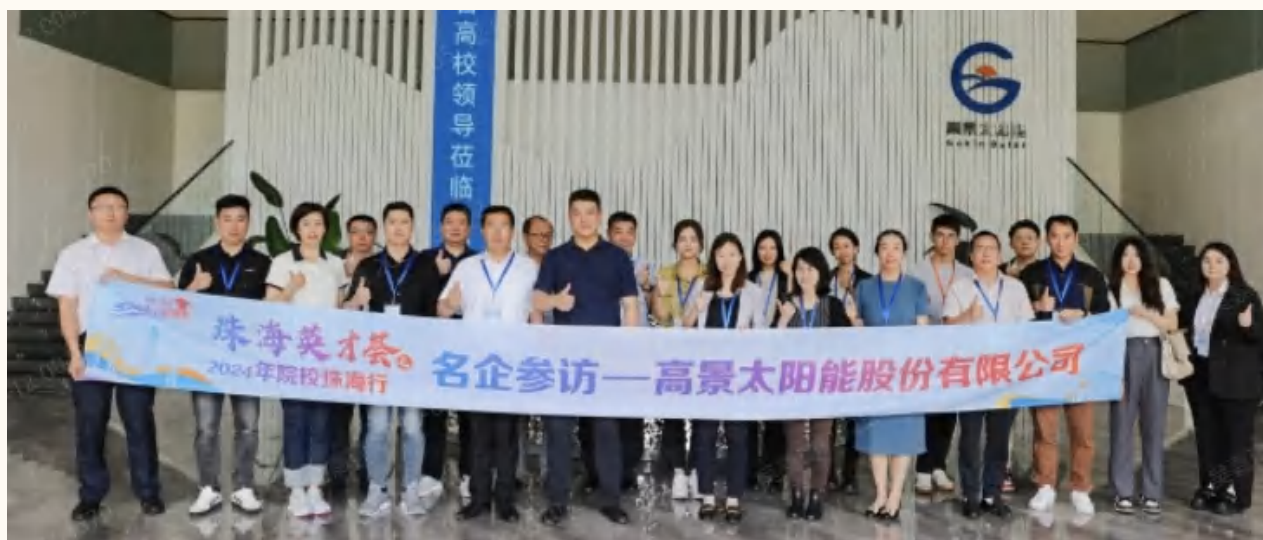
100 %

to support employees in
pursuing higher education ,
the Company allocated

CNY1.4 million

Case: Zhuhai Talent Exchange: University-Industry Collaboration

On May 27, 2024, Gokin Solar's Zhuhai base hosted the "Zhuhai Talent Exchange 2024 – Campus Visit to Zhuhai" event, jointly organized by the Zhuhai Talent Work Task Force Office and the Zhuhai Human Resources and Social Security Bureau. Delegations from over 20 universities, including Peking University, Guizhou University, Xiangtan University, and Dalian University of Technology, visited Gokin Solar's showroom, production workshops, and R&D center to comprehensively understand the Company's business development and talent strategy. This event strengthened mutual understanding between universities and enterprises, laying the groundwork for future collaborations. It also facilitated cooperation in talent cultivation, internship base development, and scientific research, supporting Gokin Solar's efforts to build a robust talent pipeline and advance industrial diversification and high-quality development.



Employee Care and Communication

Gokin Solar places deep emphasis on understanding and responding to employee needs, consistently prioritizing employee care and communication. We are committed to building an open, inclusive, and supportive work environment. By establishing effective communication channels and implementing diverse care initiatives, we ensure that every employee feels respected and supported.

Employee Care

Employee well-being is always a top priority. We have organized a wide range of engaging employee activities to enhance team cohesion and enrich employees' lives outside of work. Special attention is also given to the needs of female employees, with thoughtful programs to provide them with dedicated support and care.

Tug-of-war Competition:

In 2024, the Company organized a team-building tug-of-war competition that embodied the spirit of teamwork, where employees demonstrated unity and collaborative excellence through collective effort. The competition venue was filled with enthusiastic atmosphere, with cheering and encouragement resonating throughout, not only enhancing inter-team synergy but also elevating employees' sense of belonging and organizational cohesion.



Basketball Tournament:

As the flagship event of the Company's annual sports program, the basketball tournament attracted active participation from numerous basketball enthusiasts among our workforce. Throughout the competition, employees demonstrated their commitment to excellence and perseverance through dedicated effort. The Company provided professional facilities and equipment to ensure unimpeded tournament execution. Through such sporting events, the Company not only enriches employees' work-life balance but also fosters enhanced communication and collaboration among team members.



Family Fun Camp:

To strengthen employees' family wellbeing and happiness, the Company organized Family Fun Camp activities. Employees and their families were invited to participate in interactive games and activities that helped strengthen family bonds and reflected the Company's commitment to supporting employees' work-life balance. The event was filled with laughter and joy, leaving participants with cherished and memorable experiences.



In addition, Gokin Solar pays particular attention to the needs of female employees. The Company has thoughtfully established Mother Care Rooms and Baby Care Rooms to provide convenience and comfort for employees during pregnancy and breast-feeding periods. These measures reflect the Company's respect and care for every individual. We firmly believe that through these efforts, employees can experience a greater sense of happiness and belonging, which in turn empowers them to reach their full potential and grow together with the Company.

Communication Channels

We respect employees' rights to freedom of association and collective bargaining. A labor union is in place to safeguard their labor rights and interests. The Company listens to employee concerns and values employee feedback, striving to maintain an open and inclusive workplace culture. To ensure that employees' voices are heard and addressed effectively, we have implemented the *Employee Complaint, Grievance, and Whistleblowing Management Regulations*, establishing a diversified set of communication channels, including but not limited to face-to-face meetings, telephone calls, SMS communication, and submission of written materials (including postal mail), thereby fully safeguarding employees' rights to voice grievances, lodge complaints, and report misconduct.

Moreover, under confidentiality principles, the Company assigns designated professional case handlers and investigators to conduct serious and diligent processing of employee complaints, grievances, and whistleblowing reports. Employee personal data and privacy are strictly protected throughout the process, preventing any form of data leakage or misuse. The Company also closely monitors the outcome of each case to ensure employees' legitimate rights are upheld. Through these efforts, we are committed to creating a workplace environment that is safe, healthy, diverse, inclusive, and free from discrimination.

Employee Activities

At Gokin Solar, employees are regarded as the Company's most valuable asset. Through regularly organized activities, the Company demonstrates genuine care for every team member. These activities not only enrich employees' personal lives, but also serve as a bridge for communication, fostering mutual understanding and trust in a relaxed, enjoyable atmosphere. By cultivating a warm and harmonious workplace environment with these activities, Gokin Solar ensures that every employee feels at home, which in turn enhances their motivation and commitment to advancing together with the Company.

Case: Towards the "Light" – Sharing the Green Dream

Gokin Solar has long been committed to green energy development. Through our family-friendly carnival event, we aim to inspire children to become future advocates and practitioners of sustainable living. Together with our employees, we strive to create a brighter, greener future for the next generation.



Case: "Planting the Future" – Gokin Solar's Rural Farming Experience

During the reporting period, Gokin Solar organized a countryside farming activity under the theme "Sowing in Midsummer, Planting Our Hopes", which showcased the Company's advocacy for a green lifestyle and its emphasis on teamwork. Employees stepped into the fields to sow seeds with their own hands, embodying values of frugality and environmental responsibility through tangible action. Throughout the activity, participants demonstrated collaborative teamwork. From soil preparation to seeding and watering, each task reflected the power of teamwork. This experience not only allowed employees to enjoy the rewards of physical labor but also symbolized their hopes for a better future. Through this practice, Gokin Solar transformed its sustainability philosophy into practical action, making the goal of "planting the future" a shared pursuit among its people.



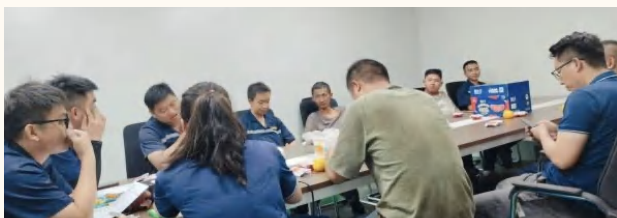
Case: Sports Competitions

Gokin Solar organizes a variety of sports competitions annually, using athletic events as a platform to break down departmental silos and strengthen team cohesion through collaborative activities. Employees relieve work-related stress and improve their physical and mental well-being through these competitions, while simultaneously cultivating a habit of regular exercise and embracing the Company's health-oriented culture. These activities not only develop a stronger sense of belonging and professional well-being among employees but also enhance identification with the corporate culture in an engaging and relaxed atmosphere, further motivating employees and boosting workplace morale.



Case: Employee Roundtable Discussions

Regular employee roundtables are held to promote two-way communication and break down information barriers. Management participates in these sessions as listeners, gaining direct insights into the real challenges and feedback from employees. This open and egalitarian dialogue helps remove hierarchical boundaries, making employees feel respected and encouraging them to express their thoughts freely. The result is stronger trust and a greater sense of psychological safety. Such dialogues not only inform more grounded corporate decision-making but also enable employees to evolve from passive executors into active contributors.



Case: In-depth Dialogues with "Behind-the-Scenes" Contributors

During the reporting period, the Company conducted in-depth dialogue sessions with "behind-the-scenes" contributors to gain a deeper understanding of employees' daily efforts and needs. These sessions provided a platform for employees to share experiences and exchange ideas – whether it was the technological team presenting innovative solutions during late-night brainstorming sessions, or project team members driving progress through open and honest communication, such contributions were brought to light through this method. In addition, ongoing interactions aided experience-sharing and trust-building, enabling the Company to better recognize employee contributions and continuously improve workflows and team collaboration. Such meaningful dialogues not only enhanced employees' sense of engagement and belonging but also provided robust support for Gokin Solar's long-term sustainability.



Employee Health and Safety

At Gokin Solar, the health and safety of employees is a top priority. The Company complies with the *Work Safety Law of the People's Republic of China*, the *Law of the People's Republic of China on the Prevention and Control of Occupational Diseases*, and other applicable laws and regulations. Gokin Solar continuously enhances its safety management system and strengthens its risk prevention and control mechanisms, with the goal of creating a secure, reliable, and safeguarded working environment.

Occupational Health and Safety Management

Occupational Health and Safety Management System

Gokin Solar has established an occupational health and safety policy based on the principles of **"safety first, source prevention, people-oriented, standardized management, full participation, and continuous improvement"**. The Company is building and continuously improving its work safety management system. A designated occupational health and management representative is appointed to coordinate day-to-day operations, performance optimization, and regular reporting to top management. The EHS Department systematically manages applicable laws, regulations, standards, and other relevant requirements to ensure compliant operations. In addition, each base has established occupational health management committees or occupational hygiene task forces to implement specific safety measures and promote ongoing improvement, thereby ensuring the protection of employees' health and safety. As of the end of the reporting period, Gokin Solar and all four of its bases had obtained ISO 45001 Occupational Health and Safety Management System Certificate.



ISO 45001
Occupational Health and Safety Management System Certificate

Occupational Health and Safety Management Policies

To ensure effective safety management practices, the Company has established a series of policies, including the *Full-employee Work Safety Responsibility Management Regulations* and the *EHS Reward and Punishment Policy*, alongside the *Corporate-level Safety and Environmental Management Red Lines*. These measures aim to drive the safety responsibility system development through enhanced policies. By integrating safety and environmental performance with employee evaluations, the Company has developed a management mechanism that balances incentives and accountability – rewarding excellence while addressing shortcomings – to comprehensively elevate safety and environmental management standards. These policies categorize and classify incidents and accidents, detailing reporting procedures, investigation methods, and responsibility attribution criteria. Based on the severity of each case, disciplinary actions or commendations are administered to responsible individuals, ensuring that every issue is effectively addressed and accountability is clearly assigned, ultimately creating a closed-loop management process.

In parallel, the Company applies refined management practices to critical areas and key operations, with specialized policies such as the *Facility and Equipment Safety Management Regulations*, *Special Equipment Safety Management Regulations*, and *Fire Safety Management Regulations*. These protocols ensure stable equipment operations, standardized procedures, and controllable risks, while enhancing capabilities in hazard identification, routine inspections, and emergency response. Through ongoing reinforcement of safety barriers and strict execution, the Company ensures a stable production environment and provides strong protection for employees' lives and well-being.

Moreover, the Company places equal emphasis on the operational safety of external contractors, maintenance personnel, and on-site service providers. The *Third-party Safety Management Regulations* have been formulated and implemented to that end. The Regulations outline key pre-construction requirements, including qualification review, safety training, risk deposit arrangements, and on-site access protocols. During project execution, contractors must follow procedures for special work approvals, on-site safety supervision, use of personal protective equipment, and, for high-risk tasks, the formulation of dedicated safety plans. These measures are designed to identify and mitigate potential hazards in all aspects.

Work Safety Assurance

Identification and Management of Safety Risks

To establish a sustainable and effective mechanism for identifying and mitigating work safety risks and hazards, and to prevent accidents proactively, the Company has developed a comprehensive set of internal management policies, including *Safety Inspection and Risk Hazard Identification and Mitigation Management Regulations* and the *Safety Risk Identification, Evaluation, and Graded Control Management Policy*, in accordance with the *Work Safety Law of the People's Republic of China* and other relevant laws and regulations.

The Company employs a variety of methodologies, such as Job Hazard Analysis (JHA), Safety Checklist (SCL) Analysis, Likelihood and Severity (LS) Matrix, and Likelihood, Exposure, and Consequence (LEC) Analysis, to comprehensively identify potential accident risks and hazardous factors at production sites. By evaluating the likelihood and consequences of incidents, the Company establishes a risk matrix that defines the risk levels and assigns responsibilities across all tiers, enabling targeted and tiered safety risk control. Based on the risk classification, specific safety control measures are formulated, including inspection frequency, operating procedures, and training requirements, to ensure that all identified risks are effectively managed.

In parallel, the Company continuously advances the standardization and normalization of its risk hazard identification and rectification processes, building a three-level governance structure that covers workshops, departments, and the corporate level, and conducting comprehensive safety risk and hazard inspections. Guided by the risk hazard inspection checklist and the dual-prevention mechanism standard, the Company carries out systematic inspections to ensure that hazards are identified, assessed, recorded, and rectified in a timely and effective manner, thereby enhancing the overall effectiveness of hazard governance.



Furthermore, the Company places strong emphasis on the reporting of near-miss incidents and the dynamic tracking of potential hazards. Employees are encouraged to proactively identify and report risks, and participate in safety risk control efforts, developing a culture of safety where all employees are engaged. Sustained investment is made in safety facilities and management systems to raise employee safety awareness and ensure the protection of life and health, supporting ongoing improvements in the Company's overall safety governance capabilities.

Emergency Response Policies

To effectively prevent and respond to potential work safety incidents, the Company has developed an *Emergency Plan for Production Safety Accidents* covering a wide range of possible emergencies, including fires, electric shocks, and equipment malfunctions. The plan defines organizational command structures, personnel responsibilities, and response procedures in incidents. An annual emergency response training plan is implemented to enhance employees' emergency preparedness, self-protection awareness, and proficiency in the use of emergency equipment and resources. The Company also conducts annual emergency drills that simulate real-life accident scenarios, allowing employees to participate in emergency handling processes. These drills familiarize employees with emergency procedures and help to maximize protection of employee safety and corporate assets.

In 2024,
the Company conducted

192 emergency drills

reaching

37,601 participants



Case: Emergency Drill on Mechanical Injury from Machining Equipment

On July 26, 2024, the Xi'ning base conducted an emergency drill simulating a sudden incident in which a grinding wheel fractured during operation, striking an employee's arm and causing sparks that ignited nearby flammable materials, resulting in a fire. The drill covered such key phases as alarm response, on-site emergency actions, medical rescue, and safety cordoning. Response teams acted promptly and coordinated efficiently, meeting expected outcomes. Following the drill, participants conducted a full evaluation and proposed enhancements including strengthened emergency training and more practical, hands-on simulations, with the goal of further improving the Company's emergency response capabilities and overall safety management standards.



On-site Emergency Drill

Safety Culture Development

The Company places strong emphasis on enhancing employees' safety awareness and technical competencies. To standardize safety education and training efforts, the Company has formulated the *EHS Training Management Regulations*. The Regulations mandate a three-tiered safety education system – at the Company, workshop, and team levels – for all new hires, returning employees, and other relevant personnel. In addition, all employees are required to participate in routine safety training programs. It further stipulates that key leadership, safety management personnel, and operators of special equipment must undergo accredited training provided by certified third-party institutions. Only after completing such training and obtaining the necessary qualifications are individuals permitted to assume their respective roles. By strengthening the training system and developing a robust safety culture, the Company reinforces its safety defenses, effectively prevents production-related accidents, and minimizes occupational health risks.

In 2024,

the Company conducted safety training for

44,188 participants

accumulating

301,217.8 training hours

achieving a

100 % training coverage rate



On-site Safety Training



Occupational Health Management

The Company has established a robust occupational health management system and implemented relevant policies such as the *Occupational Health Management Regulations*. Regular annual assessments and routine monitoring of occupational hazard factors are conducted across all work areas. Additionally, maintenance and servicing of relevant equipment are carried out to ensure that noise control measures meet the required standards.

Furthermore, the Company advances multiple occupational health and safety management measures, including organizing occupational health training, providing regular occupational health check-ups, and placing prominent safety warning signs, all of which effectively reduce the risk of occupational diseases. The *Personal Protective Equipment Management Regulations* have also been formulated to define standards, classifications, and requirements for the distribution of protective gear. The Company strictly selects qualified suppliers and ensures the provision of high-quality PPE to comprehensively safeguard employees' health and safety.

In 2024,

the coverage rate of employee health check-up is	and the incidence rate of occupational diseases is
100 %	0

Occupational Health Check-ups	- Conduct targeted pre-employment, in-service, and post-employment health check-ups for employees engaged in work exposed to occupational hazards - Record health check results in the occupational health management system and archive them
Labor Protection Measures	- Provide employees with appropriate protective equipment, such as protective helmets, protective clothing, respiratory protection, and noise earplugs - Guide employees in proper use to ensure the effective utilization of personal protective equipment
Safety Warning Signage	- Set up bulletin boards at prominent locations in production workshops to display regulations on occupational disease prevention, operating procedures, and emergency rescue measures - Install prominent warning signs at positions with occupational disease hazards to remind employees of work risks
Occupational Health Training	- Promote occupational health knowledge and urge employees to abide by laws, regulations, and operating procedures for occupational disease prevention - Establish employee training and education records



04

Environmental Protection: Building a Green Future

Gokin Solar upholds the principles of green and low-carbon operations, establishing and continuously refining an environmental management system. The Company is committed to optimizing its energy mix, enhancing water recycling efficiency, standardizing waste and emissions management, and minimizing environmental impact. We implement carbon reduction initiatives and proactively respond to climate change, contributing to the preservation of clear waters and lush mountains while promoting a green transition across the industry.

SDGs addressed in this Chapter



Material sustainability issues covered in this Chapter

- Climate Change Response
- Clean Technology Opportunities
- Pollutant and Waste Management
- Environmental Management System
- Water Resource Management
- Energy Management
- Biodiversity



Environmental Management

Gokin Solar builds a scientific and systematic environmental governance framework along with well-defined environmental objectives. The Company continuously improves its environmental management system, conducts environmental risk assessments and monitoring, and optimizes its environmental emergency response plans. These efforts aim to reduce environmental risks and comprehensively protect the ecological environment, driving harmonious development between industrial production and the natural ecosystem.

Environmental Commitment and Management Policy

Gokin Solar upholds the environmental management policy of "complying with laws and regulations, enhancing environmental awareness, persisting in pollution prevention and control, promoting energy saving and consumption reduction, and achieving green development". The Company maintains strict compliance with environmental regulations, optimizes resource utilization throughout the operational process, and enforces rigid controls to ensure emissions and waste discharge meet prescribed standards. An Environmental Protection Committee, led by the Chairman, has been established to define the top management's supervisory and decision-making responsibilities in environmental management. Responsibilities are assigned to representatives at all management levels and employees to ensure accountability in environmental governance.

The Company sets scientific environmental targets annually and continuously tracks and monitors progress to ensure full implementation of its ecological and environmental protection philosophy.

Environment Management Goals:

environmental incidents

0

external environmental complaints

0

excessive pollutant discharges

0

government penalties

0



Environmental Management System

Gokin Solar remains steadfast in practicing the philosophy of green development. The Company has established policy documents such as the *Environmental Factors Identification, Evaluation, and Control Procedures* and the *Environmental Operation Control Procedures* to effectively monitor and control environmentally related activities throughout its production and service processes, thereby continuously improving its environmental management system. Gokin Solar and all four of its bases have obtained ISO 14001 Environmental Management System certification. As of the end of the reporting period, the Company had not experienced any major environmental pollution incidents nor received any regulatory penalties for environmental non-compliance.



Gokin Solar places high importance on environmental risk management and monitoring. Through systematic environmental risk assessments and enhanced environmental impact monitoring, the Company conducts comprehensive investigations into potential risks and formulates reasonable countermeasures to continuously elevate its environmental management standards. These actions lay a strong ecological foundation for the Company's green and sustainable development. In 2024, the Company organized a professional team in collaboration with a third-party agency to conduct a comprehensive environmental risk assessment across the production process. The assessment covered critical aspects such as wastewater treatment, exhaust gas emissions, solid waste disposal, and hazardous chemical handling. A risk matrix methodology was employed to quantify the likelihood and severity of potential risks. The evaluation was conducted using on-site inspections, historical data analysis, and expert consultations, enabling the identification of potential environmental risk sources. Based on the findings, the Company implemented measures such as facility upgrades and emergency response system improvements, effectively identifying and mitigating environmental risks.

Furthermore, the Company complies with laws and standards such as the *Emergency Response Law of the People's Republic of China* and the *Technical Specifications for Emergency Monitoring in Environmental Accidents*. We have formulated the *Emergency Preparedness and Response Control Procedures* and the *Sudden Environmental Incident Emergency Plans* to define procedures for prevention, early warning, emergency response, and management of environmental emergencies across all bases. These measures ensure the Company can respond swiftly and effectively to sudden environmental pollution events and ecological disruptions, standardizing its emergency response efforts.

Case: Emergency Drill for Hazardous Chemical Incidents at Sichuan Gokin

To enhance the emergency response capability for hazardous chemical accidents and minimize the resulting environmental and social impacts, Sichuan Gokin conducted a hazardous chemical environmental emergency response drill in April 2024. The drill simulated a chemical leak at the wastewater treatment dosing connection point and aimed to validate the effectiveness of the emergency response plan and test interdepartmental coordination. The drill included key procedures such as incident alerting, emergency response, leak containment, and personnel evacuation, with a total of 12 emergency personnel participating. This exercise further improved employees' understanding and application of environmental emergency response protocols and enhanced the on-site emergency handling capabilities of the rescue team.



Emergency Drill for Hazardous Chemical Incident at Sichuan Gokin

Gokin Solar embraces the philosophy of harmonious coexistence between humanity and nature, with a strong focus on energy conservation, material efficiency, clean production, and circular economy practices to enhance biodiversity conservation. The Company has systematically established a green industrial operation framework, upholding green principles while continuously optimizing its products and services to enhance ecological protection outcomes and support the development of a harmonious ecosystem. During the reporting period, the Company's operational areas were located away from biodiversity conservation zones. No species listed on the International Union for Conservation of Nature (IUCN) Red List or China's national protection catalog were identified, and the Company's business activities did not encroach upon ecological redline zones or biodiversity priority areas.

Green Operations

Gokin Solar practices green operations by promoting the efficient utilization of energy and water resources through integrated resource management and optimized allocation. The Company executes waste discharge standards to ensure that exhaust gas, wastewater, and solid waste are discharged in compliance with regulations, thereby minimizing the environmental impact of production, operations, and daily activities.

Energy Management

Gokin Solar upholds the energy management policy of **"full employee participation, compliance with laws and regulations, continuous improvement, and energy efficiency"**. In compliance with the *Energy Conservation Law of the People's Republic of China* and other relevant laws and regulations, we have implemented a series of energy management procedures, including *Energy Baseline and Energy Performance Parameter Management Procedure*, *Energy Data Collection Management Procedure*, *Energy Planning and Design Management Procedure*, *Energy Operation Management Procedure*, and *Energy Review Management Procedure*, to improve our energy management, reduce production energy consumption, save energy costs, and enhance the Company's energy performance, thereby achieving energy management policy and objectives. To effectively control the energy used in the production and service processes and improve energy efficiency, we have established an Energy Conservation Management Team responsible for evaluating the energy management status, identifying key energy-consuming areas, and uncovering opportunities for performance enhancement. As of the end of the reporting period, all four of the Company's bases have obtained ISO 50001 Energy Management System certification.



ISO 50001 Energy Management System Certificates of Gokin Solar's Four Bases



In 2024, the Company advanced the optimization and upgrading of its renewable energy portfolio. On one hand, Gokin Solar significantly increased its deployment of clean energy by constructing self-owned PV power stations, participating in full-hydropower trading, and procuring wind and solar electricity through multiple channels to expand renewable energy supply. The Company also deepened its involvement in green electricity certificate (GEC) trading and carbon allowance offsetting, leveraging market mechanisms to further optimize its energy mix. On the other hand, the Company implemented technological retrofits and upgrades, such as building high-efficiency data centers and launching waste heat recovery projects, to enhance energy efficiency.

By the end of the reporting period,

the share of renewable energy in total energy consumption had increased to

38.33%

Measure	Outcome
 Construction of self-owned PV stations	In 2024, the Company invested in a 52.37 MW distributed PV project, generating 22.49 million kWh annually, saving 2,755 tons of standard coal, significantly increasing the share of renewable electricity and reducing carbon emissions
 Green electricity certificate trading and carbon allowance offsetting	In 2024, Qinghai Gokin traded 268,497 green electricity certificates, while Sichuan Gokin offset 2,051 tons of certified carbon sinks, fulfilling its carbon reduction responsibilities  
 Technological retrofits and upgrades	The Company constructed high-efficiency data centers with a COP exceeding 5.8, achieving annual energy savings of 13 million kWh. We also implemented waste heat recovery projects with annual savings of 9.2 million kWh, significantly enhancing energy efficiency and reducing energy consumption

Energy Structure Optimization Measures and Results



In 2024, the Xi'ning base, Yibin base, and Zhuhai base each developed comprehensive energy-saving systems integrated with smart factories' digital management platforms, enabling centralized, unified monitoring and management of all resources. These energy management platforms are interconnected to form a centralized supervisory system, granting the Company real-time visibility over the operational status and information of key monitoring nodes. These efforts ensure stable operation of electromechanical systems and equipment while enabling intelligent operational management.

In 2024,

the electricity consumption intensity
for wafer slicing decreased by

21 % compared to 2023



Case: Gokin Solar's Smart Energy System Ushers in a New Era of Digital Energy Management

Gokin Solar has introduced the "Housekeeper – Smart Energy System", a comprehensive intelligent energy management solution designed to reduce energy consumption. The system employs centralized intelligent energy dispatching and visualizes operational safety status to precisely control energy flows. By monitoring operating parameters of systems such as HVAC, the platform automatically optimizes COP to ensure peak performance, achieving annual electricity savings of 3.6 million kWh. It also enables real-time tracking of unit energy consumption and provides alerts for processes with excessive energy use, facilitating rapid adjustment and optimization. This platform has significantly improved the Company's energy efficiency and operational stability of the energy system, establishing a model for digital energy management across the industry.



Housekeeper – Smart Energy System

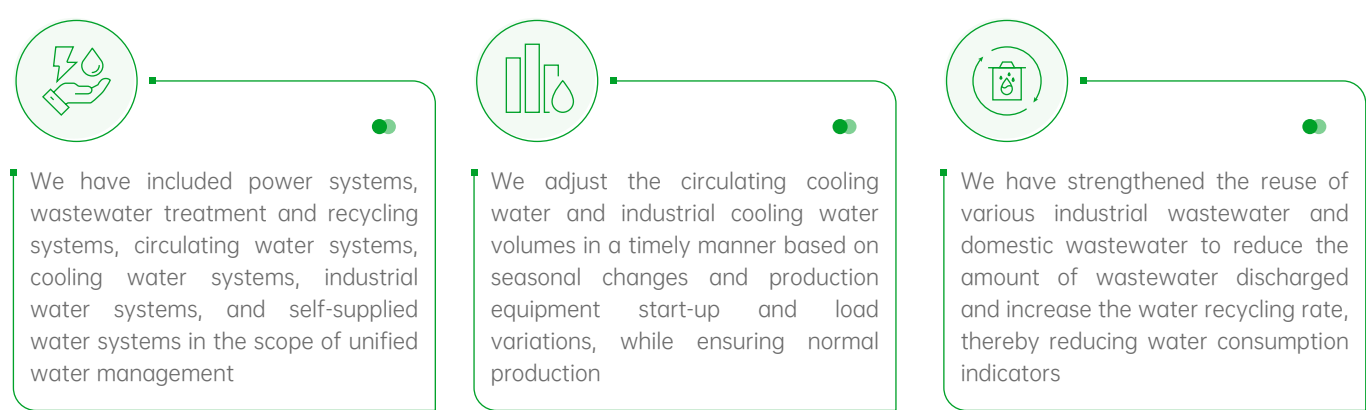
Water Resource Management

Gokin Solar consistently regards water resource management as a priority. In compliance with the *Water Law of the People's Republic of China* and the *Law on the Prevention and Control of Water Pollution of the People's Republic of China*, and other relevant laws and regulations, the Company has implemented multiple water-saving programs for the efficient utilization of water resources. During the reporting period, all water was sourced from municipal supply systems. No water was withdrawn from regions experiencing water stress, and the Company's water usage did not negatively impact local communities near its bases.

In 2024,
the water consumption intensity
for wafer slicing decreased by

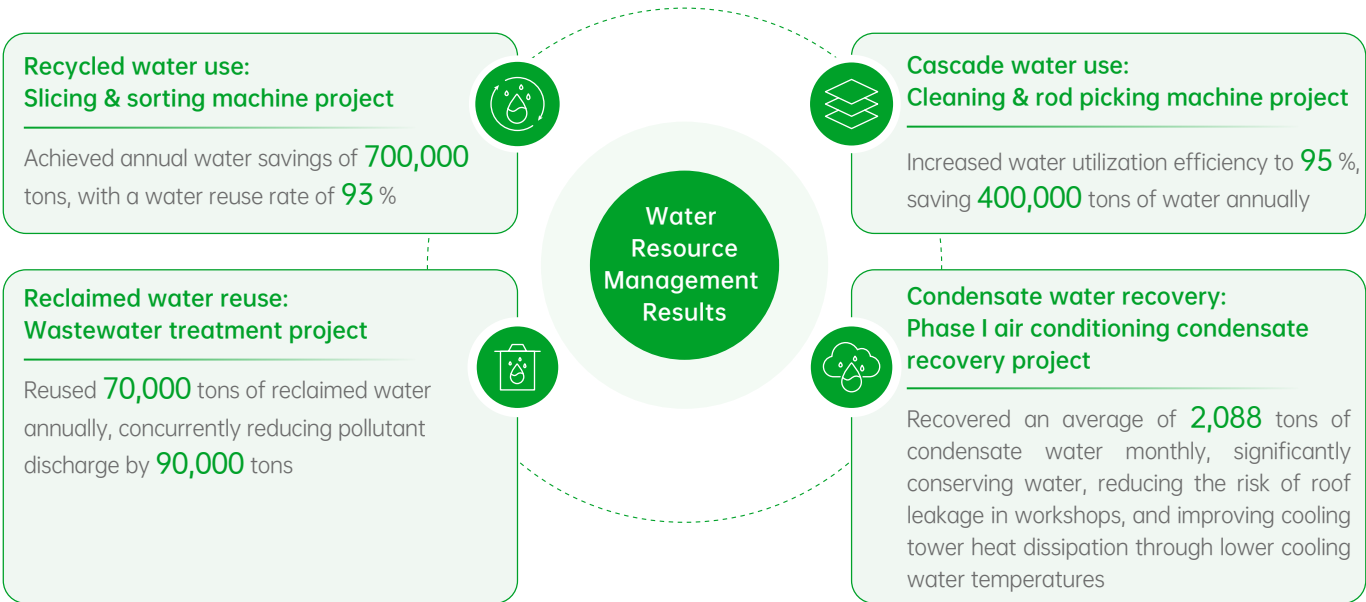
34% compared to 2023





Water Resource Management Measures

In 2024, Gokin Solar achieved remarkable progress in water resource management. By innovating water-saving processes and implementing projects such as water recycling, cascade water utilization, and reclaimed water reuse, the Company has built a near-zero wastewater ecosystem, pioneering a green transformation in the PV industry.

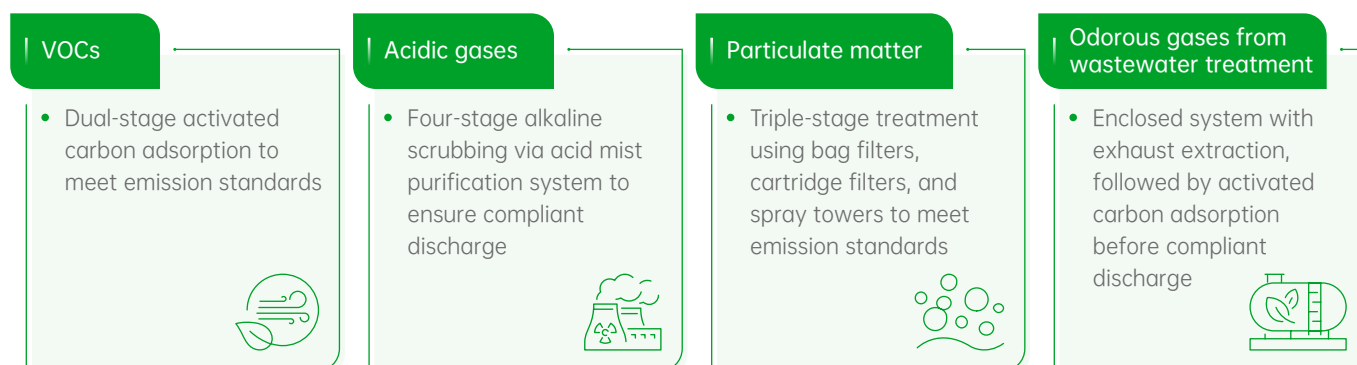


Waste Management

Gokin Solar continuously strengthens its pollutant discharge management system, increasing investments in pollution prevention technologies and projects. The Company strictly controls the generation and discharge of exhaust gas, wastewater, and solid waste throughout its production and operations to ensure all pollutant emissions comply with national and local discharge standards, thereby minimizing the environmental impact of its operations.

Exhaust Gas Management

The Company has developed a series of guiding manuals, including the *Operating Guide for Wastewater Stations and Exhaust Gas Scrubbers* and the *Standard Operating Procedures for Organic Gas Systems: Operation, Inspection, and Maintenance*. These documents provide clear protocols for the classification, treatment, and regular monitoring of various types of emissions such as volatile organic compounds (VOCs), acidic gases, particulate matter, and malodorous gases from wastewater treatment processes. Gokin Solar ensures that all emissions meet national and local standards.



Treatment Method of Exhaust Gas

Case: Acid Mist Source Reduction Project

Qinghai Gokin advanced its acid mist source reduction project by replacing the traditional nitric acid + hydrofluoric acid cleaning method with a citric acid-based silicon cleaning agent. This move significantly reduced organized gas emissions at the source. In 2024, nitrogen oxide emissions dropped to **0.73** tons/year, representing an **89.2** % year-on-year reduction; fluoride emissions decreased to **0.49** tons/year, a **48.9** % year-on-year reduction, effectively reducing pollutant emissions.

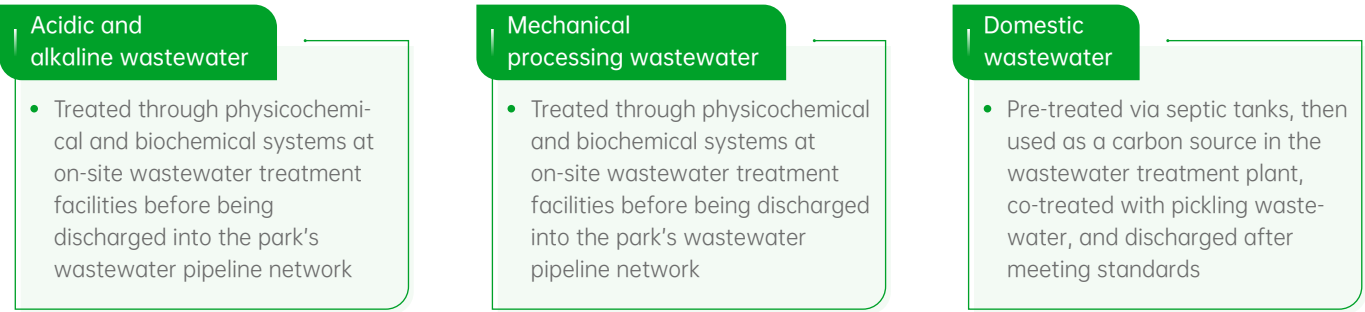
Case: Waste Heat Recovery and Utilization Project

Qinghai Gokin implemented a waste heat recovery project that utilized residual heat from monocrystalline furnaces to replace gas boilers for heating. This project has conserved fossil fuels and reduced pollutant emissions. In 2024, sulfur dioxide emissions decreased by **1.6329** tons/year, and nitrogen oxide emissions dropped by **3.2** tons/year year-on-year, reducing reliance on traditional energy sources while significantly lowering air pollution from boiler operations.



Wastewater Management

The Company rigorously identifies and manages all sources of wastewater, primarily including acidic and alkaline wastewater, mechanical processing wastewater, and domestic sewage. During the reporting period, all categories of wastewater met the relevant discharge standards, ensuring harmony between operational activities and the surrounding ecological environment.



Treatment Method of Wastewater

 **Case: Reclaimed Water Reuse Project**

All bases have implemented reclaimed water reuse projects. Wastewater was collected and recycled through dedicated reclaimed water systems. In 2024, the Zhuhai base achieved a **50 %** reuse rate of production wastewater, saving **1** million cubic meters of water annually. The Yibin base's reclaimed water system saved **1,800** cubic meters per day, and the Xi'ning base launched a silicon material cleaning water reuse project, redirecting effluent from washing machines to pre-cleaning systems to replace tap water, reducing wastewater discharge by **370,700** tons annually.

Waste Management

In 2024, Gokin Solar revised its *Environmental Management Policy for Solid Waste* in response to hazardous waste and general industrial solid waste generated on-site. The updated policy details the management requirements across all stages, including classification, storage, transportation, and disposal. The Company also conducts regular audits of disposal contractors to ensure regulatory compliance in waste treatment. Through robust storage infrastructure, advanced management systems, and standardized disposal processes, all solid waste is handled in a compliant manner, effectively mitigating environmental risks and upholding the principles of green manufacturing.

General solid waste

- Stored in designated waste storage areas and treated via environmentally responsible methods such as recycling, secure landfill, or waste-to-energy incineration

Hazardous waste

- Stored in dedicated hazardous waste storage facilities marked with identification labels; managed through an IoT-enabled smart system; transferred and disposed of by licensed contractors in accordance with environmental regulations and hazardous waste management agreements

Treatment Method of Waste

Hazardous Waste Treatment Measures and Outcomes at Each Base

Zhuhai base

In 2024, the comprehensive utilization rate of hazardous waste reached **96.7 %**, promoting a shift from "incineration and landfill" to "recycling and reuse", thereby mitigating the environmental impact of hazardous waste disposal

Xi'ning base

In 2024, continued advancement of hazardous waste downgrade projects, through projects such as "reagent replacement" and "pollution and emission reduction", enabled reclassification of sludge from wastewater treatment stations from hazardous waste to general solid waste, resulting in a **76 %** reduction in hazardous waste disposal volume

Yibin base

In 2024, through sustained R&D investment, a new type of silicon cleaning agent was successfully developed. This cleaning agent is non-corrosive, and its waste solution can be discharged directly, eliminating the generation of hazardous waste

Climate Change Response

With the global climate crisis intensifying, achieving carbon neutrality has become a universal consensus and a shared mission. Gokin Solar advances its greenhouse gas (GHG) inventory efforts and has established a comprehensive GHG emissions accounting system covering its entire value chain. The Company implements emission control and management at each base and module within defined organizational boundaries. As of the end of the reporting period, GHG emissions data for the Company and all four bases have been verified by an independent third party.



GHG Verification Statements from Each Base

Gokin Solar's First Zero-carbon Factory

To set a benchmark for low-carbon development in the industry, the Yibin base has completed a carbon neutrality audit and received a PAS 2060 Carbon Neutrality Declaration from a third-party verification body, becoming the first "zero-carbon factory" in Yibin's PV sector. Since its operation, the Yibin base has achieved an annual carbon emissions reduction of approximately **470,000** tons through rooftop PV power generation, energy structure optimization, and energy-efficient technology upgrades. It has also implemented innovative circular economy practices to enable efficient waste recovery. This milestone demonstrates the Company's internationally recognized zero-carbon practices across energy transition, production processes, and operational management, providing a replicable model for carbon neutrality in the manufacturing sector.



Yibin Base's Carbon Neutrality Verification Statement

Gokin Solar responds to China's "Dual Carbon" strategy. Based on a comprehensive 2023 GHG emissions inventory, verification, and validation, the Company has formulated clear short- and medium-term emission reduction targets, continuously enhancing its capabilities and management performance in climate change response.

GHG Emission Reduction Targets

Short-term target

- Reduce total annual GHG emissions by **5** % year-on-year

Medium-term target

- By 2030, reduce total GHG emissions by **50** % compared to the baseline year 2023



05

Partner Collaboration for Harmonious Development

Gokin Solar is committed to building an efficient, lean, and transparent sustainable supply chain management system. Emphasizing the deep integration of ESG principles in supply chain governance, the Company enhances supplier collaboration through end-to-end management, practices responsible procurement, strengthens supply chain resilience, and promotes win-win cooperation with partners.

SDGs addressed in this Chapter



Material sustainability issues covered in this Chapter

- Sustainable Supply Chain



Supply Chain Management System

Gokin Solar continuously strengthens the management of the supply chain lifecycle. The Company has established the *Supplier Management Regulations* to standardize the entire process of supplier development, onboarding, assessment, tiered management, and disqualification. This process ensures timely delivery and quality compliance from suppliers, securing a stable supply of competitively advantageous materials and components.

Supplier Development and Onboarding

The Company has established a strict supplier development and onboarding mechanism. Based on supplier due diligence results, procurement risk assessments, industry dynamics, departmental development needs, and overall business planning, the Company regularly formulates supplier development plans. Under the principles of openness, transparency, tiered management, and comprehensive capability prioritization, the Company incorporates timeliness, quality, service, geographic proximity, environmental management, and social responsibility as key evaluation factors for supplier admission, ensuring product stability and reliability.

By the end of this reporting period,

the Company has located in China

195 suppliers

100 %

Supplier Assessment and Tiered Management

The Company has developed internal policies such as the *Supplier Evaluation and Audit Management Regulations* and *Supplier Annual Supervision Plan*. These documents guide monthly and annual assessments of suppliers based on quality, cost, delivery performance, and cooperation level. The Company conducts annual on-site audits for selected suppliers, issuing *Supplier On-site Non-conformance Reports* to address non-compliance matters and provide targeted improvement recommendations.

In 2024,

representing

21.56 % suppliers underwent on-site audits

Supplier tier	Follow-up actions	2024 proportion
Tier A	Priority is given to procurement from Tier A suppliers. Based on monthly or annual evaluation results, the procurement volume may be appropriately increased.	65.86 %
Tier B	Procurement is maintained and corrective actions are implemented when necessary. These suppliers are cultivated to reach Tier A status.	31.70 %
Tier C	Corrective measures are required. Suppliers must address deficiencies and submit a Supplier Quality Abnormality Improvement Report. The Supplier Quality Engineer (SQE) reviews and verifies the corrective actions and their outcomes.	1.22 %
Tier D	Disqualification as approved suppliers. Suppliers follow the same corrective process as Tier C. If the improvement results are accepted, they are managed under the new supplier onboarding process. If results are not accepted, all cooperation is terminated and supplier status is revoked.	1.22 %

Supplier collaboration

Gokin Solar advances supplier collaboration to drive quality improvement and problem-solving. The Company organizes supplier quality improvement workshops, thematic forums, and quality advocacy sessions. It conducts special rectification efforts on quality anomalies and extensively communicates expectations on quality policies and prevention of recurring issues to enhance supplier awareness and increase incoming material acceptance rates. In 2024, the Company launched 13 supplier improvement programs, all of which were completed by the end of the reporting period under defined annual improvement targets.

In 2024,

the Company launched

13 supplier improvement programs



Case: Gokin Solar's Cross-regional Benchmarking to Enhance Supplier Quality

To improve the quality of foam box products, Gokin Solar held a cross-regional benchmarking workshop, inviting a leading industry enterprise from Yibin to share best practices. Suppliers from the Zhuhai base participated in this knowledge exchange. The workshop focused on process optimization and cost control, aiming to enhance product quality through technological upgrades. By building bridges for communication and experience sharing, the Company supports suppliers in quality enhancement and explores collaborative supplier management and sustainable partnership models.



Cross-regional Quality Benchmarking Workshop

Localized Procurement

The Company implements a localized procurement strategy, giving preference to local suppliers to support regional economic development. This approach also reduces energy use and time consumption during transportation, effectively minimizing environmental impact.

In 2024,

the local procurement ratio reached

35 %



Supply Chain ESG Management

Gokin Solar integrates ESG principles into all aspects of supply chain management, striving for supply chain sustainability by standardizing supplier conduct, enhancing ESG audits, and avoiding the use of conflict minerals.

The Company regards ESG performance as a critical criterion in supplier selection and evaluation. Suppliers are required to sign the *Social Responsibility Commitment Letter* and the *Supplier Integrity Commitment Letter*, which cover key areas including wages and compensation, working hours, occupational health and safety, environmental protection, human rights, conflict minerals, and business ethics.

The Company has established the *Safety and Environmental Management Agreement for External Suppliers*, requiring suppliers to comply with all applicable safety and environmental regulations and internal policies. Suppliers must establish a sound safety and environmental management system, appoint dedicated personnel, and provide qualification documents such as environmental impact assessment reports and pollutant discharge permits. In addition, the Company has developed the *Hazardous Substances Management Regulations*, setting clear requirements for hazardous substance control in the crystalline silicon segment. The Company regularly evaluates suppliers' ability to deliver compliant products, maintains comprehensive supplier records, and conducts inspections of materials and packaging for excessive hazardous substance content.

During the reporting period,
the signature rate of the Supplier
Integrity Agreement reached

99 %

the signature rate of the Social
Responsibility Commitment Letter
reached

87 %

the signature rate of the Conflict
Minerals Non-use Commitment Letter
reached

87 %



ESG Dimension	Requirements
Governance	• Legal compliance: All business activities of suppliers and their employees must comply with relevant laws and regulations • Business ethics: Suppliers and their employees must not gain unfair advantages in business dealings with Gokin Solar
Environmental	• Environmental protection: Suppliers must comply with national and local environmental laws and regulations, minimize environmental impact from production activities, and provide required documents such as environmental impact assessment reports, pollutant discharge permits, and emergency response plans
Social	• Working hours: Suppliers must comply with local laws and industry standards regarding working hours • Human rights: Suppliers shall not employ child labor or forced labor and must respect all employees' rights to freedom of association and collective bargaining • Occupational health and safety: Suppliers must ensure a safe and hygienic workplace and provide health and safety training to all employees • Conflict minerals: Suppliers' products must not contain minerals such as gold, tantalum, tungsten, cobalt, and tin sourced from conflict-affected areas of the Democratic Republic of the Congo

Supply Chain ESG Management



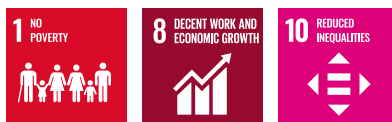


06

Giving Back to Society and Fulfilling Corporate Responsibility

Gokin Solar embraces its corporate social responsibilities, contributing to society with dedication and upholding its mission: "bring greater benefits to humanity through solar energy". To standardize its philanthropic and charitable efforts, the Company has established the Public Welfare and Philanthropy Management Policy and plunges in a variety of public welfare programs. Through charitable donations and practical actions, the Company demonstrates its social value in social welfare, community investment, educational equity, public health, and emergency relief, ensuring that the fruits of corporate development benefit broader communities. During the reporting period, there were no reported incidents of violations of indigenous rights.

SDGs addressed in this Chapter



Material sustainability issues covered in this Chapter

- Community Contribution and Philanthropy





Case: Gokin Solar Issues the *Public Welfare and Philanthropy Management Policy*

On May 21, 2025, Gokin Solar issued the *Public Welfare and Philanthropy Management Policy* to standardize the Company's public welfare and philanthropy management practices, systematically fulfill its corporate social responsibilities, advance the achievement of the Sustainable Development Goals (SDGs), and drive harmonious development between the Company and society. This policy applies to all public welfare and charitable activities carried out by the Company and its departments, branches, wholly owned subsidiaries, and majority-owned subsidiaries. These activities include but are not limited to donations, volunteer services, and the investment and implementation of social welfare projects.

In accordance with the *Public Welfare and Philanthropy Management Policy*, the Company will disclose information on its philanthropic and public welfare activities to the public as needed and establish a feedback mechanism for related projects. The Company will collect and consider input and suggestions from stakeholders, and promptly adopt and implement reasonable recommendations for improvement. The Company encourages employees to voluntarily participate in volunteer activities and charitable giving, and provides opportunities and platforms for such engagement. Employees who demonstrate outstanding performance in volunteer service will be recognized and rewarded accordingly.

Case: Gokin Solar Receives Letter of Appreciation from Xinguang Villagers Committee

As a benchmark enterprise in the field of photovoltaic in Zhuhai, Gokin Solar actively participates in and contributes to community construction and development. The company donated 70,000 yuan of public welfare money to the Red Cross Society of Zhuhai, and the Red Cross Society allocated this donation to the social public welfare activities and community development of Xinguang Village, Longxing Town, Xishui County.

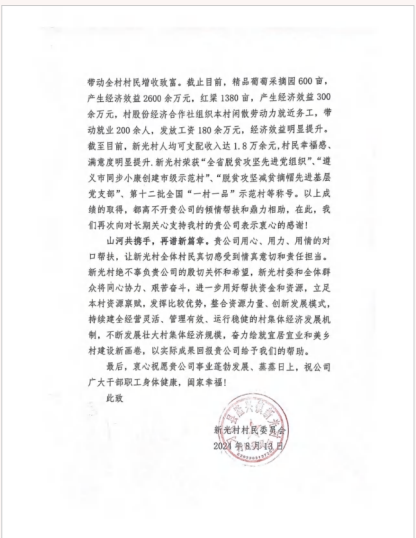
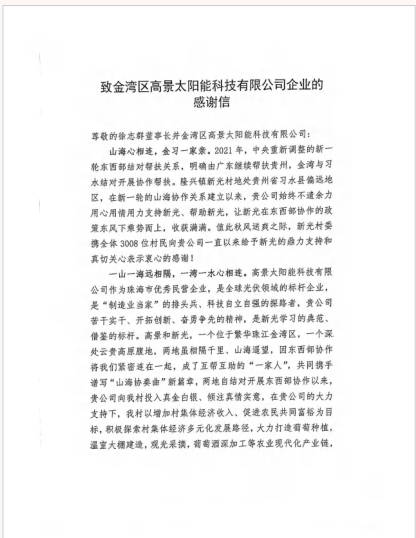
By the end of 2024, with the support of Gokin Solar, Xinguang Village had developed a 600-mu premium grape picking garden, generating over CNY26 million in economic benefits; cultivated 1,380 mu of red sorghum, generating over CNY3 million in revenue; and mobilized its village-level cooperative to organize local surplus labor for nearby employment. Over 200 villagers were employed, with wages totaling over CNY1.8 million. The village has seen remarkable economic improvement, with per capita disposable income reaching over CNY18,000.

By the end of 2024, with the support of Gokin Solar,

Xinguang Village had developed a generating over cultivated generating over

600 mu premium grape picking garden CNY26 million in economic benefits 1,380 mu of red sorghum CNY3 million in revenue

Over with total wages over reaching over
200 villagers were employed CNY1.8 million CNY18,000 per capita disposable income



Letter of Appreciation from the Xinguang Village Community to Gokin Solar

Gokin Solar actively participates in social welfare activities to help community development. In 2024, the Company procured agricultural products from Xishui County totaling CNY1.41 million. Leveraging media platforms, we helped expand the brand influence of local agricultural products, effectively supporting the supply-demand integration and contributing to increased income for local farmers.

This philanthropic effort not only develops the agricultural industry in Xishui County but also facilitates the integration of local products into broader provincial and national markets by building bridges between production and sales. Gokin Solar will continue to deepen its cooperation with Xishui County, focusing on brand promotion and channel expansion, and encouraging broader societal engagement in community help. Through such collaborative efforts, the Company aims to achieve mutual benefit and contribute to community development.

习水县农业农村局

感谢信

贵客太阳能源股份有限公司：
首先衷心感谢贵公司长期以来对我县三农工作的关心与支持。

为深入贯彻落实乡村振兴战略，贵公司积极帮扶我县乡村振兴工作，2024年采购我县农产品总额达141万元，并通过媒体宣传显著提升了我县农产品品牌影响力，为促使我县农业产业发展和农民增收注入了强劲动力。在此，我们由衷地感谢贵公司对我县农产品产销对接帮扶及捐赠物资的资助，向贵单位表示最诚挚的敬意。

未来，我县将继续深化产品产销，整合农产品品牌宣传，平台搭建，积极引导和激发全社会参与消费帮扶，不断拓宽农产品销售渠道，推动农产品和服务融入省内外大市场，不断促进产业发展，带动农民增收致富。我们将有信心与贵公司一起抓住机遇，合作共赢，不断开拓市场，创造美好未来。

Letter of appreciation
from the local community

Case: Qinghai Gokin Donates Emergency Supplies to Xi'ning Red Cross Society

On April 20, 2024, Qinghai Gokin donated bunk beds worth approximately CNY90,000 to the Xining Red Cross Society as part of its emergency reserve supplies, enhancing the region's disaster preparedness and response capacity. This donation reflects the Company's strong sense of responsibility and commitment to public welfare. In recognition of the contribution, the Xining Red Cross Society presented a banner of honor bearing the message: "Wholehearted Donation Reflecting Great Love, Spreading Warmth and Benefiting Society".



Xi'ning Red Cross Society Presents Honorary Banner to Qinghai Gokin

In 2024, Gokin Solar received wide recognition for its philanthropic efforts and was honored with several public welfare awards, including: "Passionate about Public Welfare, Warming Jinwan" corporate title, and "Jinwan District Red Cross Contribution Award". "2023 Special Contribution Enterprise for High-quality Development & Philanthropy in Tanbu Town" was awarded to Guangzhou Gokin in February 2024.

During the reporting period,
the Company donated a total of

CNY **258,000**

Since 2021, the Company has
donated a cumulative total of

CNY **1,758,000**



高景太阳能股份有限公司

热心公益 情暖金湾

珠海市金湾区工商业联合会
二〇二四年三月

人道 博爱 奉献
高景太阳能股份有限公司

金湾区红十字奉献奖

珠海市金湾区红十字会
二〇二四年三月

广州高景太阳能科技有限公司

特颁发:

2023年度炭步镇高质量发展

爱心公益特别贡献企业

广州市花都区炭步镇人民政府
二〇二四年二月

Public Welfare Awards Received in 2024



Performance Indicators Table

Information Security Indicators

Indicator	Unit	2024	2023	2022	2021
Number of information security inspections	Time	48	36	24	6
Number of participants in data security and privacy protection training	Person	3,500	1,500	600	180
Number of data security and privacy protection training sessions	Time	10	8	2	1
Number of cybersecurity incident simulation drills	Time	2	2	2	1

Intellectual Property Indicators

Indicator	Unit	2024	2023	2022	2021
Number of patent applications	Item	257	119	44	34
Number of patents granted	Item	84	38	46	1
Number of invention patent applications	Item	114	69	40	4
Number of invention patents granted	Item	14	23	12	1
Number of valid invention patents	Item	50	36	13	1
Number of invention patents applied to core business operations	Item	225	113	44	4
Number of participants in intellectual property awareness and training sessions	Person	3,000	2,000	500	100

R&D and Innovation Indicators

Indicator	Unit	2024	2023	2022	2021
R&D expenditure	CNY10 million	143.96	113.16	126.09	18.17
Proportion of R&D Investment to Main Business Revenue	%	12.38	5.53	7.35	7.53
Proportion of R&D Expenses to Main Business Revenue	%	3.53	1.71	0.62	1.30
Number of R&D personnel	Person	1,383	1,484	378	162
R&D personnel as percentage of total employees	%	21.10	18.56	5.82	4.54
Number of R&D personnel with below bachelor's degree	Person	1,051	924	283	102
Number of R&D personnel with bachelor's degree	Person	322	542	91	58
Number of R&D personnel with master's degree	Person	8	17	3	2
Number of R&D personnel with doctoral degree	Person	2	1	1	0

Product-related indicators

Indicator	Unit	2024	2023	2022	2021
Production output of photovoltaic (PV) solar modules	GW	2.11	/	/	/
Solar module shipments	GW	1.96	/	/	/

Employment Indicators

Indicator	Unit	2024	2023	2022	2021
Employment data					
Total number of employees	Person	6,556	7,994	6,495	3,568
Under 30 years old	Person	2,308	3,653	2,087	1,314
30-50 years old	Person	4,203	4,317	4,327	2,207
50 years old and above	Person	45	24	81	47
Below bachelor's degree	Person	5,521	6,827	5,721	3,179
Bachelor's degree	Person	971	1,107	748	378
Master's degree	Person	59	57	24	10
Doctoral degree	Person	5	3	2	1
Male	Person	5,209	6,284	5,140	2,868
Female	Person	1,347	1,710	1,355	700
General employees	Person	6,160	7,560	6,206	3,357
Junior management	Person	256	297	194	151
Middle management	Person	105	104	75	46
Senior management	Person	35	33	20	14
Employee diversity data					
Number of R&D personnel	Person	1,383	1,484	378	162
Number of female R&D personnel	Person	241	245	67	9
Percentage of female R&D personnel	%	17.43	16.51	17.72	5.56
Ethnic minority employees	Person	1,175	1,583	1,852	1,029
Non-ethnic minority employees	Person	5,381	6,411	4,643	2,539

Employee Training Indicators

Indicator	Unit	2024	2023	2022	2021
Training data					
Total training hours	Hour	157,344	191,856	116,910	64,224
Average training hours per employee	Hour	24	24	18	18
Total training hours for male employees	Hour	125,016	150,816	92,520	51,624
Total training hours for female employees	Hour	32,328	41,040	24,390	12,600
Average training hours per male employee	Hour	24	24	18	18
Average training hours per female employee	Hour	24	24	18	18
Total training hours for general employees	Hour	147,840	181,440	111,708	60,426
Total training hours for junior management	Hour	6,144	7,128	3,492	2,718
Total training hours for middle management	Hour	2,520	2,496	1,350	828
Total training hours for senior management	Hour	840	792	360	252
Average training hours for general employees	Hour	24	24	18	18
Average training hours for junior management	Hour	24	24	18	18
Average training hours for middle management	Hour	24	24	18	18
Average training hours for senior management	Hour	24	24	18	18

Employee Training Indicators

Indicator	Unit	2024	2023	2022	2021
Performance assessment data					
Percentage of employees receiving regular performance and career development evaluations	%	83.08	82.88	83.34	81.08
Internal promotions					
Promotion rate of senior management (director level and above)	%	28.00	22.00	25.00	20.00
Promotion rate of middle management (manager level)	%	13.00	24.00	22.00	21.00
Promotion rate of professional and technical staff (supervisors, technicians, and engineers)	%	3.00	5.00	6.00	4.00

Work Safety Investment Indicators

Indicator	Unit	2024	2023	2022	2021
EHS-related expenditures	CNY 10,000	17,312,205	20,086,594	10,113,807	3,858,773
Labor protection expenses	CNY 10,000	5,709,373	11,012,075	13,380,404	5,362,059
Safety expenses ²	CNY 10,000	356,328	246,204	149,889	/

2. In 2021, the Company was in the initial stage of facility construction, and no safety-related expenditures were incurred during this period.

Occupational Health and Safety Indicators

Indicator	Unit	2024	2023	2022	2021
Occupational health and safety training					
Total number of employees trained in safety	Participant	44,188	36,035	12,478	11,779
Total hours of employee safety training	Hour	301,217.8	296,740.8	21,967.8	13,864.7
Average safety training hours per employee	Hour	6.82	8.23	1.76	1.18
Coverage of safety training	%	100	100	100	100
Number of safety emergency drills	Session	192	160 ³	123	108
Number of participants in safety emergency drills	Participant	37,601	34,255 ³	10,629	10,289
Occupational disease prevention and treatment					
Number of employees covered by health examinations ⁴	Person	6,715	8,941	6,375	7,442
Employee physical examination coverage ⁴	%	100	100	100	100
Number of occupational disease cases	Case	0	0	0	0
Investment in work-related injury insurance and work safety liability insurance	CNY	1,383,789	1,758,572.22	722,161.77	149,973.95
Coverage of work-related injury insurance and work safety liability insurance	%	100	100	100	100

3. Due to adjustments in statistical scope, the data for 2023 has been revised accordingly for the current reporting year.

4. Frontline employees undergo three medical examinations annually: pre-employment, during employment, and upon termination. The total number of employees is based on year-end headcount, while the number of employees undergoing medical examinations includes those who resigned during the year. Therefore, the actual medical examination coverage rate for employees is 100%.

Occupational Health and Safety Indicators

Indicator	Unit	2024	2023	2022	2021
Work-related injury statistics					
Number of employee fatalities due to work-related incidents	Person	0	0	0	0
Fatal accident rate (FAR)	%	0	0	0	0
Lost workdays due to work-related injuries	Day	332	303	198	225
Lost time injury frequency rate (LTIFR) per million working hours	/	0.16	0.68	1.34	3.32

Environmental Management Indicators

Indicator	Unit	2024	2023	2022	2021
Number of environmental protection training sessions for employees	Session	33	22	18	12
Number of employees trained on environmental protection	Person	4,433	4,940	2,480	220

Energy Consumption Indicators⁵

Indicator	Unit	2024	2023 ⁶	2022	2021
Energy Consumption					
Gasoline consumption	L	33,864.99	0	0	0
Diesel consumption	L	0	1,500	0	0
Natural gas consumption	m ³	132,904.00	745,279.02	1,210,466.00	646,483.00
Electricity consumption	M	3,215,380	2,920,250	1,849,590	376,180
Total Energy Consumption	tce	395,044.20	/	/	/
Grid Electricity Percentage	%	61.67	68.38	100	100
Renewable Energy Share	%	38.33	31.62	0	0
Clean energy					
Installed capacity of self-used solar power	MW	82.18	/	/	/
Self-generated solar power consumption	MWh	19,815.80	/	/	/
Hydropower Consumption	MWh	780,446.9041	923,491.315	/	/
Power consumption intensity per prod					
Power consumption intensity per wafer	Kpcs	57.70	69.37	85.47	87.86
Power consumption intensity per ingot	Kpcs	21.01	21.52	24.69	72.03

5. The data scope for the environmental section includes Gokin Solar and its subordinate Zhuhai base Xi'ning base, Yibin base, and Guangzhou base.

6. Due to adjustments in statistical scope, the environmental data for 2023 has been revised accordingly for the current reporting year.

Water Resource Utilization Indicators

Indicator	Unit	2024	2023	2022	2021
Total water withdrawal	m ³	9,884,474	11,161,565	7,508,018	1,735,456
Total water consumption	m ³	5,314,698	6,353,669	5,421,499	1,171,488
Water consumption intensity per product					
Water consumption intensity per wafer	Ton/Kpcs	0.71	0.90	1.26	1.52
Water consumption intensity per ingot	Ton/Kpcs	32.90	37.40	52.90	/

Exhaust Gas Emissions Indicators

Indicator	Unit	2024	2023	2022	2021
Total exhaust gas emissions	Ton	20.65	18.87	15.31	7.87
Nitrogen oxides (NO _x)	Ton	3.51	0.86	0.49	0
Volatile organic compounds (VOCs)	Ton	13.25	15.82	14.74	7.65
Particulate matter (PM)	Ton	3.89	2.19	0.075	0.22

Wastewater Discharge and Recycling Indicators

Indicator	Unit	2024	2023	2022	2021
Total wastewater discharged	m ³	5,532,607.06	6,019,139.12	3,453,610.5	644,407.28
Wastewater recycled	m ³	4,677,375.00	4,822,396.00	3,632,925.00	1,382,400.00

Wastewater Discharge and Recycling Indicators

Indicator	Unit	2024	2023	2022	2021
Wastewater pollutant disch					
Ammonia nitrogen (NH ₃ -N)	Ton	7.06	23.16	17.58	1.38
Total nitrogen (TN)	Ton	1,888.60	4,616.73	50.05	24.36
Chemical oxygen demand (COD)	Ton	618.05	1,046.42	304.99	139.54
Total phosphorus (TP)	Ton	441.12	169.05	2.61	0.96

Waste Generation and Recycling Indicators

Indicator	Unit	2024	2023	2022	2021
Total waste generated	Ton	80,921.98	68,937.73	23,456.18	7,821.2
General solid waste generated	Ton	49,610.61	43,469.63	21,516.17	7,549.69
Hazardous solid waste generated	Ton	741.36	2,588.83	1,940.01	271.51
General waste recycled	Ton	30,570.01	22,879.27	0	0

Greenhouse Gas Emissions Indicators

Indicator	Unit	2024	2021
Total GHG emissions	tCO ₂ eq	9,824,661.39	6,715,582.97
GHG emissions (Scope 1)	tCO ₂ eq	8,879.28	7,121.13
GHG emissions (Scope 2)	tCO ₂ eq	1,712,226.17	1,153,453.61
GHG emissions (Scope 3)	tCO ₂ eq	8,103,555.94	5,555,008.23

GRI Index

GRI Index



Disclaimer

Gokin Solar has prepared this report in accordance with the Global Reporting Initiative (GRI) Standards, covering the reporting period from January 1, 2024, to December 31, 2024.



GRI Standards used

GRI1: Foundation 2021

Standard	Item	Related chapters
GRI 2: General Disclosure	2-1 Organizational details	Company Overview
	2-2 Entities included in the organization's sustainability reporting	About This Report
	2-3 Reporting period, frequency and contact point	About This Report
	2-4 Restatements of information	About This Report
	2-5 External assurance	Third-party Assurance Report
	2-6 Activities, value chain and other business relationships	Our Business
	2-7 Employees	Employee Rights Protection
	2-8 Workers who are not employees	Employee Rights Protection
	2-9 Governance structure and composition	ESG Governance Structure、Corporate Governance
	2-10 Nomination and selection of the highest governance body	ESG Governance Structure、Corporate Governance
	2-11 Chair of the highest governance body	ESG Governance Structure、Corporate Governance
	2-12 Role of the highest governance body in overseeing the management of impacts	ESG Governance Structure、Corporate Governance
	2-13 Delegation of responsibility for managing impacts	ESG Governance Structure、Corporate Governance

Standard	Item	Related chapters
GRI 2: General Disclosure	2-14 Role of the highest governance body in sustainability reporting	ESG Governance Structure、 Board of Directors' ESG Statement
	2-15 Conflicts of interest	Compliant Operations
	2-16 Communication of critical concerns	Stakeholder Engagement、 Material Issues
	2-17 Collective knowledge of the highest governance body	Corporate Governance
	2-18 Evaluation of the performance of the highest governance body	Corporate Governance
	2-19 Remuneration policies	Corporate Governance
	2-20 Process to determine remuneration	Corporate Governance
	2-21 Annual total compensation ratio	Corporate Governance
	2-22 Statement on sustainable development strategy	ESG Governance Structure
	2-23 Policy commitments	Message from the Chairman
	2-24 Embedding policy commitments	Message from the Chairman
	2-25 Processes to remediate negative impacts	Compliant Operations
	2-26 Mechanisms for seeking advice and raising concerns	Reader Feedback
	2-27 Compliance with laws and regulations	Compliant Operations
	2-28 Membership associations	/
	2-29 Approach to stakeholder engagement	Stakeholder Engagement
	2-30 Collective bargaining agreements	Employee Care and Communication
GRI 3: Material Issues	3-1 Process to determine material issues	Material Issues
	3-2 List of material issues	Material Issues
	3-3 Management of material issues	Material Issues

Standard	Item	Related chapters
GRI 201: Economic Performance	201-1 Direct economic value generated and distributed	Company Overview
	201-2 Financial implications and other risks and opportunities due to climate change	/
	201-3 Defined benefit plan obligations and other retirement plans	/
	201-4 Financial assistance received from government	/
GRI 202: Market Presence	202-1 Ratios of standard entry level wage by gender compared to local minimum wage	/
	202-2 Proportion of senior management hired from the local community	/
GRI 203: Indirect Economic Impacts	203-1 Infrastructure investments and services supported	/
	203-2 Significant indirect economic impacts	/
GRI 204: Procurement Practices	204-1 Proportion of spending on local suppliers	/
GRI 205: Anti-corruption	205-1 Operations assessed for risks related to corruption	Compliant Operations
	205-2 Communication and training about anti-corruption policies and procedures	Compliant Operations
	205-3 Confirmed incidents of corruption and actions taken	Compliant Operations
GRI 206: Anti-competitive Behavior	206-1 Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Compliant Operations
GRI 207: Tax	207-1: Approach to tax	Compliant Operations
	207-2: Tax governance, control and risk management	Compliant Operations
	207-3: Stakeholder engagement and management of concerns related to tax	Compliant Operations
	207-4: Country-by-country reporting	/

Standard	Item	Related chapters
GRI 301: Materials	301-1 Materials used by weight or volume	/
	301-2 Recycled input materials used	/
	301-3 Reclaimed products and their packaging materials	/
GRI 302: Energy	302-1 Energy consumption within the organization	Green Operations
	302-2 Energy consumption outside of the organization	Green Operations
	302-3 Energy intensity	Green Operations
	302-4 Reduction of energy consumption	Green Operations
	302-5 Reduction in energy requirements of products and services	Green Operations
GRI 303: Water and Effluents	303-1 Interactions with water as a shared resource	Green Operations
	303-2 Management of water discharge-related impacts	Green Operations
	303-3 Water withdrawal	Green Operations
	303-4 Water discharge	Green Operations
	303-5 Water consumption	Green Operations
GRI 304: Biodiversity	304-1 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	Environmental Management
	304-2 Significant impacts of activities, products, and services on biodiversity	Environmental Management
	304-3 Habitats protected or restored	Not applicable. The company has not engaged in habitat restoration activities
	304-4 IUCN Red List species and national conservation list species with habitats in areas affected by operations	Not applicable. No habitats affected by the company's operations are listed on the IUCN Red List

Standard	Item	Related chapters
GRI 305: Emissions	305-1 Direct (Scope 1) GHG emissions	Climate Change Response
	305-2 Energy indirect (Scope 2) GHG emissions	Climate Change Response
	305-3 Other indirect (Scope 3) GHG emissions	Climate Change Response
	305-4 GHG emissions intensity	Climate Change Response
	305-5 Reduction of GHG emissions	Climate Change Response
	305-6 Emissions of ozone-depleting substances (ODS)	Not applicable
	305-7 Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	Green Operations
GRI 306: Waste	306-1 Waste generation and significant waste-related impacts	Green Operations
	306-2 Management of significant waste-related impacts	Green Operations
	306-3 Waste generated	Green Operations
	306-4 Waste diverted from disposal	Green Operations
	306-5 Waste directed to disposal	Green Operations
GRI 308: Supplier Environmental Assessment	308-1 New suppliers that were screened using environmental criteria	Supply Chain ESG Management
	308-2 Negative environmental impacts in the supply chain and actions taken	Supply Chain ESG Management
GRI 401: Employment	401-1 New employee hires and employee turnover	Employee Rights Protection, Performance Indicators Table
	401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees	Employee Rights Protection, Employee Care and Communication
	401-3 Parental leave	Employee Rights Protection
GRI 402: Labor/Management Relations	402-1 Minimum notice periods regarding operational changes	/

Standard	Item	Related chapters
GRI 403: Occupational Health and Safety	403-1 Occupational health and safety management system	Employee Health and Safety
	403-2 Hazard identification, risk assessment, and incident investigation	Employee Health and Safety
	403-3 Occupational health services	Employee Health and Safety
	403-4 Worker participation, consultation, and communication on occupational health and safety	Employee Health and Safety
	403-5 Worker training on occupational health and safety	Employee Health and Safety
	403-6 Promotion of worker health	Employee Health and Safety
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Employee Health and Safety
	403-8 Workers covered by an occupational health and safety management system	Employee Health and Safety
	403-9 Work-related injuries	Employee Health and Safety
	403-10 Work-related ill health	Employee Health and Safety
GRI 404: Training and Education	404-1 Average hours of training per year per employee	Performance Indicators Table
	404-2 Programs for upgrading employee skills and transition assistance programs	Talent Cultivation and Development
	404-3 Percentage of employees receiving regular performance and career development reviews	Talent Cultivation and Development, Performance Indicators Table
GRI 405: Diversity and Equal Opportunity	405-1 Diversity of governance bodies and employees	Employee Rights Protection
	405-2 Ratio of basic salary and remuneration of women to men	Employee Rights Protection
GRI 406: Non-discrimination	406-1 Incidents of discrimination and corrective actions taken	Employee Rights Protection
GRI 407: Freedom of Association and Collective Bargaining	407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Employee Rights Protection

Standard	Item	Related chapters
GRI 408: Child Labor	408-1 Operations and suppliers at significant risk for incidents of child labor	Employee Rights Protection
GRI 409: Forced or Compulsory Labor	409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Employee Rights Protection
GRI 410: Security Practices	410-1 Security personnel trained in human rights policies or procedures	/
GRI 411: Rights of Indigenous Peoples	411-1 Incidents of violations involving rights of indigenous peoples	Giving Back to Society and Fulfilling Corporate
GRI 413: Local Communities	413-1 Operations with local community engagement, impact assessments, and development programs	Giving Back to Society and Fulfilling Corporate
	413-2 Operations with significant actual and potential negative impacts on local communities	Giving Back to Society and Fulfilling Corporate
GRI 414: Supplier Social Assessment	414-1 New suppliers that were screened using social criteria	Supply Chain ESG Management
	414-2 Negative social impacts in the supply chain and actions taken	Supply Chain ESG Management
GRI 415: Public Policy	415-1 Political contributions	Giving Back to Society and Fulfilling Corporate
GRI 416: Customer Health and Safety	416-1 Assessment of the health and safety impacts of product and service categories	Product Quality and Safety
	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	Product Quality and Safety
GRI 417: Marketing and Labeling	417-1 Requirements for product and service information and labeling	Customer Service and Experience
	417-2 Incidents of non-compliance concerning product and service information and labeling	Customer Service and Experience
	417-3 Incidents of non-compliance concerning marketing communications	Customer Service and Experience
GRI 418: Customer Privacy	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	Customer Service and Experience

SASB Index

Indicator Code	Indicator	Unit	Disclosure Location
Table 1.Sustainability Disclosure Topics & Metrics			
Energy Management in Manufacturing			
RR-ST-130a.1	Total energy consumed	GJ	Performance Indicators Table
	Percentage grid electricity	%	Performance Indicators Table
	Percentage renewable energy	%	Performance Indicators Table
Water Management in Manufacturing			
RR-ST-140a.1	Total water withdrawn	m ³	Performance Indicators Table
	Total water consumed	m ³	Performance Indicators Table
	Percentage of each in regions with High or Extremely High Baseline Water Stress	%	Water resource management
Hazardous Waste Management			
RR-ST-150a.1	Amount of hazardous waste generated	t	Performance Indicators Table
	Percentage of hazardous waste generated that is recycled	%	Performance Indicators Table
RR-ST-150a.2	Number and aggregate quantity of reportable spills	/	Waste Management
	Quantity recovered	kg	Waste Management
Ecological Impacts of Project Development			
RR-ST-160a.1	Number of project delays related to ecological impacts	/	Environmental Management System
	Duration of project delays related to ecological impacts	/	Environmental Management System

Indicator Code	Indicator	Unit	Disclosure Location
Product End-of-life Management			
RR-ST-410b.1	Percentage of products sold that are recyclable or reusable	%	Not applicable
RR-ST-410b.2	Weight of end-of-life material recovered	t	Not applicable
	Percentage recycled	%	Not applicable
RR-ST-410b.3	Percentage of products by revenue that contain IEC 62474 declarable substances, arsenic compounds, antimony compounds, or beryllium compounds	%	Not applicable

Table 2. Activity Metrics

RR-ST-000.A	Total capacity of photovoltaic (PV) solar modules produced	GW	Advantages and Achievements in Innovation and R&D
RR-ST-000.B	Total capacity of completed solar energy systems	GW	Advantages and Achievements in Innovation and R&D
RR-ST-000.C	Total project development assets	/	Not applicable

Third-party Assurance Report



INDEPENDENT ASSURANCE OPINION STATEMENT

Statement No: SRA-828147

Gokin Solar Co., Ltd.

Environmental, Social and Governance Report of 2024

The British Standards Institution is independent of Gokin Solar Co., Ltd. (including its subsidiaries, hereinafter referred to as "Gokin Solar"), and its subsidiaries (hereafter referred to as "Gokin Solar" collectively in this statement), and has no financial interest in the operation of Gokin Solar Co., Ltd. other than for the assessment and assurance of Gokin Solar's Environmental, Social and Governance Report of 2024 (the "ESG Report").

This independent assurance opinion statement is prepared on the basis of review by the British Standards Institution of "ESG Report" of 2024 presented by "Gokin Solar". The review does not extend beyond such information and is solely based on it. In performing such review, the British Standards Institution has assumed that all such information is complete and adequate.

Scope & Criteria

The scope of engagement agreed upon with "Gokin Solar" includes the following:

1. The assurance scope is consistent with the description of Gokin Solar Co., Ltd. "ESG Report" of 2024.
2. This report was prepared in accordance with the "Sustainability Accounting Standards Board (SASB)-Solar Technology & Project Developers", and referenced the "Global Reporting Initiative (GRI) Sustainability Reporting Standards" (2021 Edition).
3. Type 1 Moderate Assurance Level, in line with the AccountAbility Sustainability Assurance Standard (AA1000AS), this assessment examines the nature and extent to which "Gokin Solar" adheres to the four principles of accountability: Inclusivity, Materiality, Responsiveness, and Impact. It does not involve an assurance on the reliability of specific sustainability performance data.
4. The report organization uses the principle of assessing the importance of dual significance issues to determine the significance of the identified substantive issues. It has conducted substantive evaluations on all aspects both within and outside the organization, which complies with the substantive requirements of the AA1000 verification principle.

Opinion Statement

We conclude that Gokin Solar's "ESG Report" of 2024 objectively and fairly presents the organization's environmental, social, and governance (ESG) performance during the reporting period.

Based on the assurance procedures described in this report, we have not identified:

- Any materiality misrepresentation or omission in the ESG data and information provided by "Gokin Solar".
- Any unresolved issues related to the AccountAbility AA1000AS principles of Inclusivity, Materiality, Responsiveness, and Impact.

This assurance engagement has been conducted by a team of qualified sustainability assurance professionals in accordance with the AccountAbility AA1000AS (2021). Through review of documentation and data collected during planning and fieldwork, we confirm that Gokin Solar's claim of compliance with: The "Sustainability Accounting Standards Board (SASB)-Solar Technology & Project Developers", and refer to the Global Reporting Initiative (GRI) Sustainability Reporting Standards (2021 Edition) is a fair and accurate representation.

For and behalf of BSI:



AA1000
Licensed Report
000-4/V3-OI4J1

Dr. Tatiana Schmollack-Tarasova, Managing Director Greater
China, APAC Assurance

...making excellence a habit.™

Page: 1 of 2

Issue Date: 2025-06-23

Effective Date: 2025-06-23

The British Standards Institution is independent of the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards Institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond

Statement No: SRA-828147**Methodology**

Our work was designed to gather evidence on which to base our conclusion. We undertook the following activities:

- Conducted interviews with Gokin Solar's senior management to validate the appropriateness of materiality topics in the "ESG Report", particularly those raised by external stakeholders regarding Gokin Solar's sustainability performance.
- Discussed with Gokin Solar's senior management the methods for stakeholder engagement (note: no direct contact with external stakeholders was made as part of this assurance).
- Interview with staff involved in sustainability management, report preparation and provision of report information.
- Review of key organizational developments.
- Review of supporting evidence for claims made in the Report.
- An assessment of the Gokin Solar' reporting and management processes concerning reporting against the principles of Inclusivity, Materiality, Responsiveness and Impact as described in the AA1000 Assurance Standard.

Conclusions

We have conducted the review of the AA1000AS v3 standards for the verification of sustainability reports regarding the principles of inclusiveness, substance, responsiveness and impact, as well as the verification of the "Sustainability Accounting Standards Board (SASB)-Solar Technology & Project Developers" as follows:

Based on the verification results, we have not identified:

- Any materiality misrepresentation or omission in the ESG data and information provided by "Gokin Solar";
- Any unresolved issues related to the AccountAbility AA1000AS principles of Inclusivity, Materiality, Responsiveness, and Impact.

We confirm that the contents related to social responsibility and sustainable development in the "ESG Report" are disclosed in accordance with the requirements of "Sustainability Accounting Standards Board (SASB)-Solar Technology & Project Developers".

From our professional perspective, this "ESG Report" includes the social responsibility and sustainable development affairs of "Gokin Solar". The suggestions for improvement of the report have been adopted by "Gokin Solar" before issuing this statement of improvement opinions.

Assurance Level

The Type 1 Moderate Level of Assurance provided in our review is defined by the scope and methodology described in this statement.

Responsibilities

It is the responsibility of Gokin Solar' senior management to ensure that the information being presented in the Report is accurate. Our responsibility is to provide an independent assurance opinion statement to stakeholders giving our professional opinion based on the scope and methodology described.

Ability and Independence

The assurance team was composed of Lead Assurer and Assurer, who are experienced in the industrial sector, and trained in a range of sustainability, environmental and social standards including GRI Series Standards, AA1000, ISO14064, ISO20400, ISO 14001, ISO45001, ISO 9001, etc. British Standards Institution is a leading global standards and assessment body founded in 1901. The assurance is carried out in line with the BSI Fair Trading Code of Practice.

Team Leader : Zhonghua DENG

Issue Date: 2025-06-23

Effective Date: 2025-06-23

Page: 2 of 2

The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards Institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above named client only.

Reader Feedback

Thank you for reading the 2024 Environmental, Social and Governance (ESG) Report of Gokin Solar Co., Ltd. To provide more valuable information to you and other stakeholders and to further enhance our ESG management capabilities and performance, we sincerely welcome your comments and suggestions on this report. Please feel free to send your feedback to esg@gokinsolar.com.

• Which of the following stakeholder groups do you belong to?

- | | | |
|---|--|-------------------------------------|
| ☐ Consumer | ☐ Government and Regulatory Agencies | ☐ Employees |
| ☐ Shareholders/Investors | ☐ Partners (Suppliers/Distributors) | ☐ Media |
| ☐ Society | ☐ Charity Organizations/Industry Associations | ☐ Other_____ |

• Do you think this report comprehensively reflects Gokin Solar's performance in environmental, social, and governance aspects?

- | | | |
|------------------------------|----------------------------------|-----------------------------|
| ☐ Yes | ☐ Average | ☐ No |
|------------------------------|----------------------------------|-----------------------------|

• Do you believe this report adequately addresses the expectations and requirements of Gokin Solar's stakeholders?

- | | | |
|------------------------------|----------------------------------|-----------------------------|
| ☐ Yes | ☐ Average | ☐ No |
|------------------------------|----------------------------------|-----------------------------|

• Do you think the quantitative information disclosed in this report is objective, truthful, and effective?

- | | | |
|------------------------------|----------------------------------|-----------------------------|
| ☐ Yes | ☐ Average | ☐ No |
|------------------------------|----------------------------------|-----------------------------|

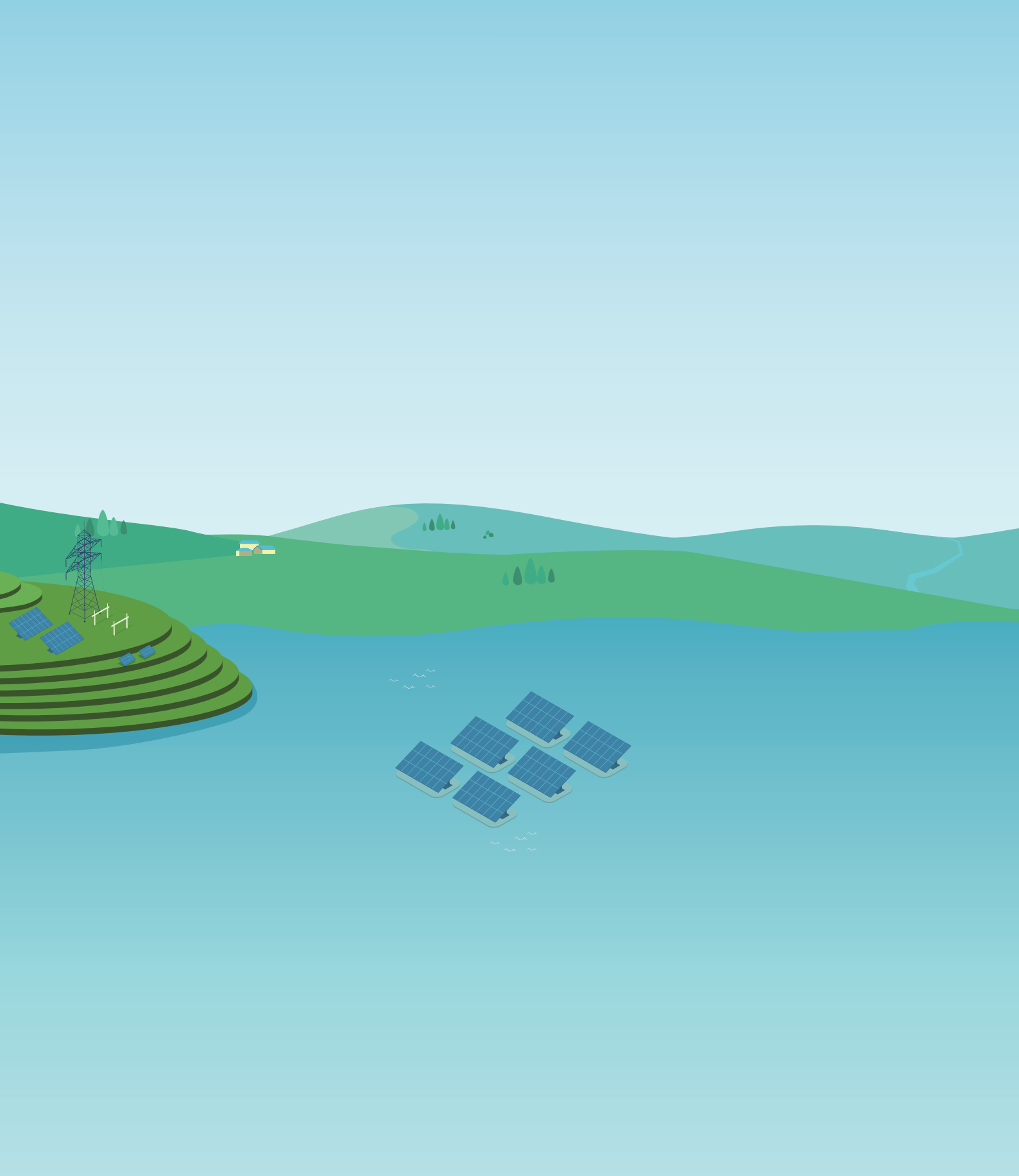
• Do you think this report is clear and easy-to-read?

- | | | |
|------------------------------|----------------------------------|-----------------------------|
| ☐ Yes | ☐ Average | ☐ No |
|------------------------------|----------------------------------|-----------------------------|

• Do you think the layout design of this report helps you understand relevant information?

- | | | |
|------------------------------|----------------------------------|-----------------------------|
| ☐ Yes | ☐ Average | ☐ No |
|------------------------------|----------------------------------|-----------------------------|

• Do you have any additional comments or suggestions on Gokin Solar's ESG management or this ESG report?



Gokin

2024 | Environmental, Social and Governance (ESG) Report