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# 2024

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

ANHUI YINGFA RUINENG TECHNOLOGY CO., LTD.

# About This Report

## Introduction

This Report is the second Environmental, Social, and Governance (ESG) Report (this "Report" ) released by Anhui Yingfa Ruineng Technology Co., Ltd., to disclose and exhibit its performance in environmental, social, and governance fields to stakeholders. This Report has been reviewed by the Company' s Board of Directors, which will be responsible for the authenticity and validity of the information contained herein.

## Reporting Period

The reporting period is from January 1, 2024 to December 31, 2024. Certain content may retrospectively reference past periods or extend to future periods based on considerations of continuity or material impact.

## Scope of Report

- The entities covered by this Report include Anhui Yingfa Ruineng Technology Co., Ltd. and its subsidiaries, specifically:
- Anhui Yingfa Ruineng Technology Co., Ltd. (Parent company)
- Anhui Yingfa Desheng Technology Co., Ltd. (Subsidiary)
- Yibin Yingfa Deyao Technology Co., Ltd. (Subsidiary)
- Yibin Yingfa Dekun Technology Co., Ltd. (Subsidiary)
- PT BINTAN CELLULAR INDONESIA (Subsidiary)
- Yibin Huashu New Energy Technology Co., Ltd. (Subsidiary)
- Yibin Huarong New Energy Technology Co., Ltd. (Subsidiary)
- Anhui Wake Weifu Intelligent Technology Co., Ltd. (Subsidiary)

## Information and Data Sources

The information and data in this Report are sourced from the operational data, internal statistical reports, and related reports of the Company. Public information and data published by government agencies, economic and social organizations, and media sources are also used where applicable.

The monetary amounts involved in this Report are all denominated in RMB, unless otherwise specifically indicated.

## Basis of Preparation

- Global Reporting Initiative (GRI) Sustainability Reporting Standards (GRI Standards)
- Task Force on Climate-related Financial Disclosure (TCFD) Climate-related Financial Disclosures Report
- Relevant regulatory documents issued by Shanghai Stock Exchange and Shenzhen Stock Exchange

## Abbreviations

Abbreviation	Full Name
We, the Company, Yingfa Ruineng	Anhui Yingfa Ruineng Technology Co., Ltd.
Yingfa Desheng	Anhui Yingfa Desheng Technology Co., Ltd.
Yingfa Deyao	Yibin Yingfa Deyao Technology Co., Ltd.
Yingfa Dekun	Yibin Yingfa Dekun Technology Co., Ltd.
Huashu Powerplant	Yibin Huashu New Energy Technology Co., Ltd. (Subsidiary)
Huarong Powerplant	Yibin Huarong New Energy Technology Co., Ltd. (Subsidiary)
Anhui Base	Yingfa Ruineng and Yingfa Desheng, including their affiliated factories
Sichuan Base	Yingfa Deyao and Yingfa Dekun, including their affiliated factories

## Report Release

This Report is published in both Chinese and English versions and is available online. Readers can access it through the Company's official website: <http://www.yingfa.com>.

## Reader Response

If you have any questions or feedback regarding this Report and its contents, please feel free to contact us via the following channels:

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# Message from the Chairman

“

**With an ambitious vision to uphold our principles of integrity, we are poised to embark on an innovative journey toward future success.**

In 2024, Yingfa Ruineng has firmly established high-quality development as its core guiding principle. By aligning with the global movement toward energy transformation, we adeptly execute national clean energy strategies while progressively constructing a sustainable development framework anchored in technological innovation. The integration of Environmental, Social, and Governance (ESG) principles into our governance structure, strategic planning, and operational practices underscores our commitment to responsible growth and value creation. With unwavering confidence and determination, we advance toward our ambitious objective of becoming a leading global brand in the photovoltaic industry.

**We enhance the foundational elements of governance to ensure robust oversight, while reinforcing essential principles to foster sustainable, long-term economic prosperity.**

We have systematically strengthened our modern corporate governance system by developing a management structure that delineates clear responsibilities and facilitates efficient coordination. This has enhanced our decision-execution-supervision trinity operation mechanism, resulting in a more strategic and forward-looking approach to corporate governance. By maintaining compliance as our foundational principle and utilizing a robust risk control system, we have fostered a culture of integrity. Moreover, we have improved our internal control processes to enhance quality and efficiency while pursuing stability. This dual focus on quality and stability lays a solid institutional foundation for the long-term, sustainable growth of the organization.

**We embrace the dual carbon objective with confidence and accountability, recognizing that pursuing green development is imperative in today's context.**

We have effectively integrated the principles of green and low-carbon development into our core corporate strategy, embedding environmental responsibilities throughout our operations. Our initiatives encompass a comprehensive array of systematic projects, including energy conservation, carbon emission reduction, clean production, green operations, and pollution prevention. By advancing efforts from green finance to green manufacturing, and from energy efficiency to carbon footprint management, we have significantly broadened the scope of our sustainable practices. Our commitment is illustrated by our practical initiatives aimed at realizing the vision of a "zero-carbon factory". Furthermore, we actively support the industry's green transformation through technological innovation, ultimately fostering a sustainable ecosystem within the photovoltaic industry.

**We mobilize collective commitment to nurture talent and foster collaboration, thereby uniting strengths for enhanced outcomes.**

We unwaveringly uphold a people-oriented principle, recognizing that talent constitutes the most invaluable resource of our business. Our commitment to optimizing the salary incentive mechanism and career development pathways is steadfast. We continuously enhance the employee health protection and safety management systems, fostering a cultural atmosphere characterized by unity, trust, inclusion, and diversity. We equally prioritize value recognition and skill enhancement, employing a comprehensive training system to unlock individual potential. This approach drives our organization toward shared growth.

**We foster collaborative efforts to achieve mutually beneficial outcomes and establish a responsible foundation that will sustain our journey into the future.**

We remain steadfast in our mission and vision of "Making Clean and Green Energy Affordable and Accessible to Everyone", with a commitment to fostering the inclusive accessibility of renewable energy resources. Central to our approach is the prioritization of customer needs, the cultivation of collaborative partnerships, and a dedication to public welfare. We are actively engaged in initiatives that enhance social value creation, support the green supply chain, and promote rural revitalization and educational assistance, thereby reinforcing our corporate responsibility in the pursuit of a sustainable, green future.

**The pursuit of dreams is an infinite journey, marked by the initiation of a new chapter through deliberate and practical actions.**

Positioned strategically within the burgeoning new energy industry, Yingfa Ruineng is focused on future planning through a clear strategic vision and systematic thinking. Our commitment to our mission is underpinned by a profound sense of responsibility as we drive forward green transformation, technological advancement, and international expansion. We are fully attuned to the evolving dynamics of society, ensuring that we take decisive, well-considered steps toward achieving a new stage of sustainable development.



# Message from the President

“

In 2024, under the robust leadership of the board of directors, Yingfa Ruineng firmly embraced the central theme of high-quality development. We have strategically anchored ourselves in green and low-carbon initiatives while effectively coordinating key tasks such as business management, technological innovation, safety and environmental protection, and compliant governance. As a result, we have experienced a marked enhancement in our comprehensive strengths and brand influence. Furthermore, the initial successes of its Environmental, Social, and Governance (ESG) initiatives are now becoming increasingly evident.

**We have adeptly consolidated our competitive advantages in business management by enhancing the coordination of production capacities**, refining our market positioning, and improving operational efficiency. In response to market fluctuations and industry adjustments, we have skillfully adjusted our strategic direction and optimized resource allocation. This approach has resulted in consistent growth throughout the year, with key business indicators remaining within industry norms. Such strategic maneuvers have established a robust foundation for Yingfa Ruineng's sustainable development.

**We have effectively embraced the “Dual Carbon” goals**, prioritizing green manufacturing alongside energy conservation and consumption reduction. We have made significant strides in the development of intelligent low-carbon factories. By implementing strategies such as thorough carbon footprint accounting, refining energy consumption management systems, and elevating green product standards, we have continually strengthened our green operational capabilities. Additionally, we have taken proactive measures to advance green supply chain management, thereby fostering a sustainable ecosystem that promotes the coordinated development of both upstream and downstream partners.

**We have decisively concentrated our efforts on technological innovation**, particularly in the research and development of high-efficiency modules and photovoltaic material technologies. By continuously advancing key projects, we have established core competitiveness rooted in independent intellectual property rights. In 2024, Yingfa Ruineng committed to increasing its R&D investment, successfully securing numerous patents and software copyrights. This proactive approach not only enhances product added value but also strategically positions us for expansion into overseas markets.

**We have consistently demonstrated a commitment to compliant governance by diligently adhering to applicable laws and regulations**. Efforts to enhance the corporate governance structure have included the fortification of internal control mechanisms as well as risk prevention and control systems, thereby enhancing management transparency and operational execution. In 2024, we undertook significant revisions to our rules and regulations, creating an improved information disclosure framework and reinforcing audit supervision in critical areas. These proactive measures ensure the standardized and orderly conduct of operations.

**Yingfa Ruineng prioritizes employee development and occupational health with unwavering commitment**. It has implemented continuous enhancements to its training systems, incentive mechanisms, and employee welfare initiatives, fostering a safe, stable, and inclusive work environment that instills a strong sense of belonging. Simultaneously, the organization actively engages in corporate social responsibility initiatives, participating in projects centered on photovoltaic public welfare, rural revitalization, and educational support. Through these efforts, it effectively cultivates a symbiotic relationship between its operational objectives and societal values, demonstrating its dedication to holistic growth and community engagement.

In the future, we will steadfastly concentrate on our core responsibilities and business operations while prioritizing green development. We will enhance our commitment to technological innovation, refine our management practices, and strengthen our ESG management system. Through these deliberate and strategic actions, we are poised to make substantial contributions to the high-quality development of the clean energy sector.

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# 目录 CONTENTS

About This Report	1
Message from the Chairman	3
Message from the President	5
About Yingfa Ruineng	9
Company Overview	9
Product Overview	10
Development History	11
Building a Global Leader in the PV Industry	13
Strengthening Brand Influence	14
ESG Highlights	15

## Sustainable Development System 17

Sustainable Development Strategy	17
ESG System Construction	17
Stakeholder engagement and materiality assessment	20

## Annual Special Topic: Establishing a Global PV Research Center to Illuminate Technological Innovation 23

Comprehensive R&D System Upgrade and Optimized Innovation Management	25
Breakthroughs in Core Proprietary Technologies, with Numerous Notable Technological Innovations	26

## Lean Governance for Sustainable Growth



Improving Governance Effectiveness	35
Integrity and Compliance Operations	36
Comprehensive Risk Management	43

## Green Development for a Low-carbon Future



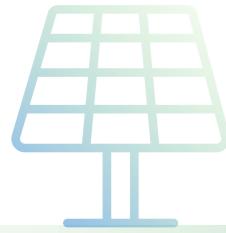
Environmental Management	47
Climate Change Response	50
Resource Management	53
Pollutant Management	61
Green Action	67

## Focus on Corporate Responsibility for Win-win



Employee Rights and Benefits	73
Safety Management	80
Products and Customers	84
Supply Chain Management	88
Social Benefit	91
Future Outlook	93
Appendix I: SEHK ESG Guidelines Inde	95
Appendix II: Index of Indicators	98
Appendix III: GHGs Emissions Verification Statement	102
Appendix IV: Independent Assurance Report	103
Appendix V: Reader Feedback Form	106

# About Yingfa Ruineng



## Company Overview

 **3**  
national-level honors

Anhui Yingfa Ruineng Technology Co., Ltd. ("Yingfa Ruineng") was established in June 2016. Since its inception, the Company has specialized in the field of solar cells, focusing on the R&D, production, and sales of photovoltaic (PV) cells.

 **over 50**  
provincial and  
municipal-level honors

Currently, the Company operates three major bases located in Anhui, Sichuan, and Indonesia, comprising four factories: Anhui Yingfa Desheng Technology Co., Ltd., Yibin Yingfa Deyao Technology Co., Ltd., Yibin Yingfa Dekun Technology Co., Ltd., and PT BINTAN CELLULAR INDONESIA. The Company has assembled a management and R&D team with extensive experience in the solar cell industry. Through precise market analysis and strategic planning, Yingfa Ruineng has swiftly established a leading position in the production of N-type TOPCon cells in terms of production capacity, conversion efficiency, and yield rates. Furthermore, the Company has obtained 3 national-level honors, over 50 provincial and municipal-level honors, and more than 120 national patents. With strong refined management capabilities, Yingfa Ruineng has achieved a leading position in the industry for non-silicon production costs of solar cells, positioning itself among the top-tier players in the market. Driven by its development needs and market dynamics, Yingfa Ruineng has strategically expanded its industrial structure and established overseas production bases. The Company has been recognized as a National Specialized, Refined, Differential, and Innovative "Little Giant" Enterprise,

 **more than 120**  
national patents

a National High-Tech Enterprise, and a National Unicorn Enterprise.

Under the guidance of the "Dual Carbon" strategy and the new development landscape, Yingfa Ruineng adheres to its mission of "Diligence and Integrity, Dream Creation" and vision of "Making Clean and Green Energy Affordable and Accessible for Everyone." The Company continues to enhance technological innovation and accumulation, aiming to become a leading global brand in the PV industry. Yingfa Ruineng maintains strict quality control over every stage of production, striving to provide customers with higher-quality and more cost-effective products. Additionally, the Company has established solid partnerships with industry leaders such as LONGi, Jinko Solar, and JA Solar. Through industry collaboration, complementary strengths, and joint development, the Company is driving technological innovation, product upgrades, and healthy growth in the Chinese PV industry and fulfilling the ambitious goal of "Photovoltaics Changing the World."

## Product Overview

The Company's equipment and technology are compatible with the production of solar cells in various sizes and specifications. Yingfa Ruineng offers a range of product solutions tailored to customer needs, including 182mm, 183mm, 210R, 210N, 9BB, 10BB, 16BB, 18BB, and 0BB.

## Development History

In 2020, the Tianchang Base was established. To seize strategic opportunities in the rapidly growing PV industry, Yingfa Ruineng invested RMB 5.5 billion in establishing Anhui Yingfa Desheng Technology Co., Ltd. This project officially began construction in August 2020, focusing on the production of 210mm large-size solar cells. Phase I of the project was officially put into operation in March 2021. Currently, the Yingfa Desheng facility operates 9 production lines, with an annual output of 4GW of high-efficiency crystalline silicon solar cells.

2020

In 2022, the Yibin Base was established. Yingfa Ruineng invested RMB 21.5 billion in building an intelligent PV manufacturing base in the Yibin High-Tech Zone, integrating research, production, and sales into one comprehensive facility. The project covers an area of 1,450 mu and includes a total planned capacity of 43GW for solar cell production and 24GW for monocrystalline silicon ingot production using the Czochralski (CZ) method. The Yibin Base consists of Yibin Yingfa Deyao Technology Co., Ltd. and Yibin Yingfa Dekun Technology Co., Ltd. and is being developed in four phases, including four manufacturing centers and one R&D and demonstration center. Notably, Yibin Yingfa Deyao Technology Co., Ltd. is the first PV company in Yibin City to exceed RMB 10 billion in both investment and output value.

2022

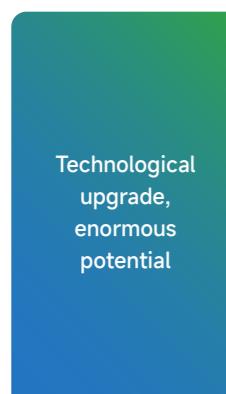
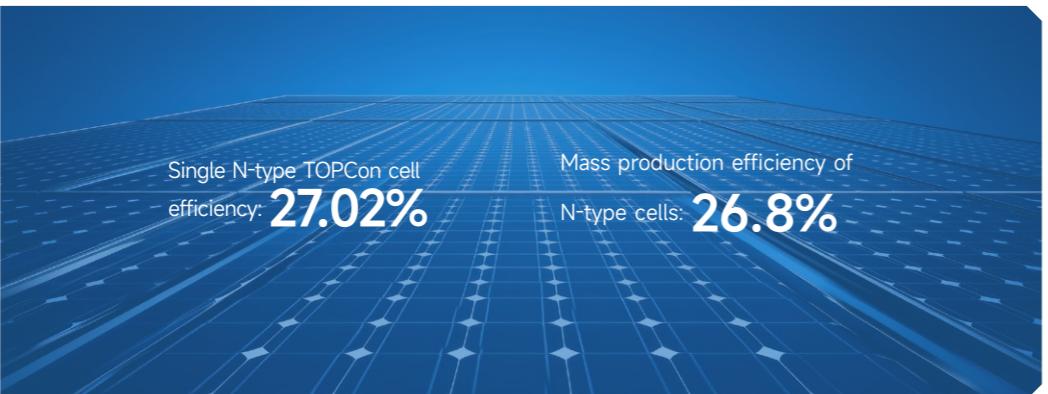
Phase I began construction on June 18, 2022, and produced its first cell on November 18, 2022. Phase II started on February 1, 2023, with the first cell coming off the production line on July 31, 2023. Both Phase I and Phase II are currently operating at full capacity. Phase III (16GW of high-efficiency crystalline silicon solar cells) and Phase IV (24GW of CZ monocrystalline silicon ingots) were launched on July 31, 2023. Phase IV started production in December 2023, while Phase III is currently under planning and construction. The Yibin Base is now the Company's largest production facility, focusing on TOPCon process products. Through continuous R&D and innovation, the conversion efficiency of the solar cells has reached a milestone of 27%. The R&D building is expected to be operational by the end of 2024.

2024

In 2024, the Indonesian Base was established. With a forward-looking strategic vision, Yingfa Ruineng has actively expanded into overseas markets, while PT BINTAN CELLULAR INDONESIA represents a significant strategic move by Yingfa Ruineng toward comprehensive development in the PV manufacturing sector. The base is located in Indonesia, with a total investment of RMB 2 billion and covering an area of 357 mu. A high-quality, professional workforce has been assembled for the project. The project is designed to produce 5 GW of high-efficiency crystalline silicon solar cells annually. Phase I includes the construction of a production line with an annual capacity of 2 GW of high-efficiency crystalline silicon solar cells, with the first cells expected to roll off the production line in August 2024, and it will reach full production by November 2024. Upon completion, Yingfa Ruineng's total cell production capacity will increase to 33 GW, further strengthening its brand influence in the global market.



## Building a Global Leader in the PV Industry



<sup>2</sup>Data are sourced from InfoLink Consulting.

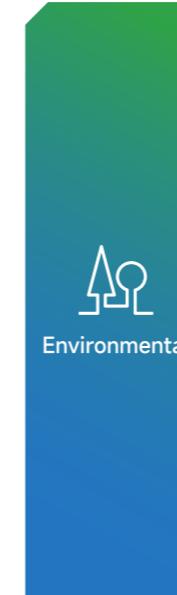
## Strengthening Brand Influence



# ESG Highlights



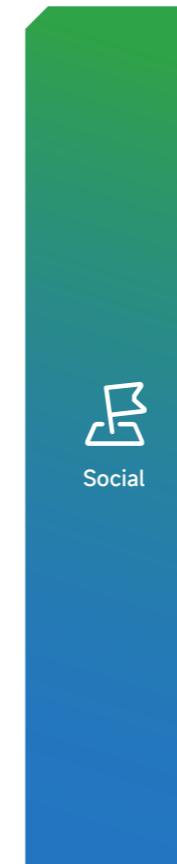
Investment into Global PV R&D Center	R&D personnel
<b>0.35</b> Billion	<b>160+</b>
YOY increase of the number of granted invention patents	projects under research
<b>50%</b>	<b>26</b>



Investment in environmental protection	Environmental protection training duration	Roof-mounted photovoltaic installed capacity
<b>7,444.57</b> RMB	<b>1,712.5</b> Hour	<b>24.99</b> Megawatt
10 thousand		
Decrease of cell electricity unit consumption	Decrease of cell water unit consumption	Water circulation utilization rate
<b>30%</b>	<b>70%</b>	<b>46.84%</b>
Total greenhouse gas emissions		
<b>263.64</b> tCO <sub>2</sub> e		



Rate of directors attending general meetings	Business ethics training coverage (all staff)
<b>100%</b>	<b>100%</b>
Participations in legal affairs compliance training	Rate of core supplier signing Supplier Code of Conduct
<b>3,904</b>	<b>86.07%</b>

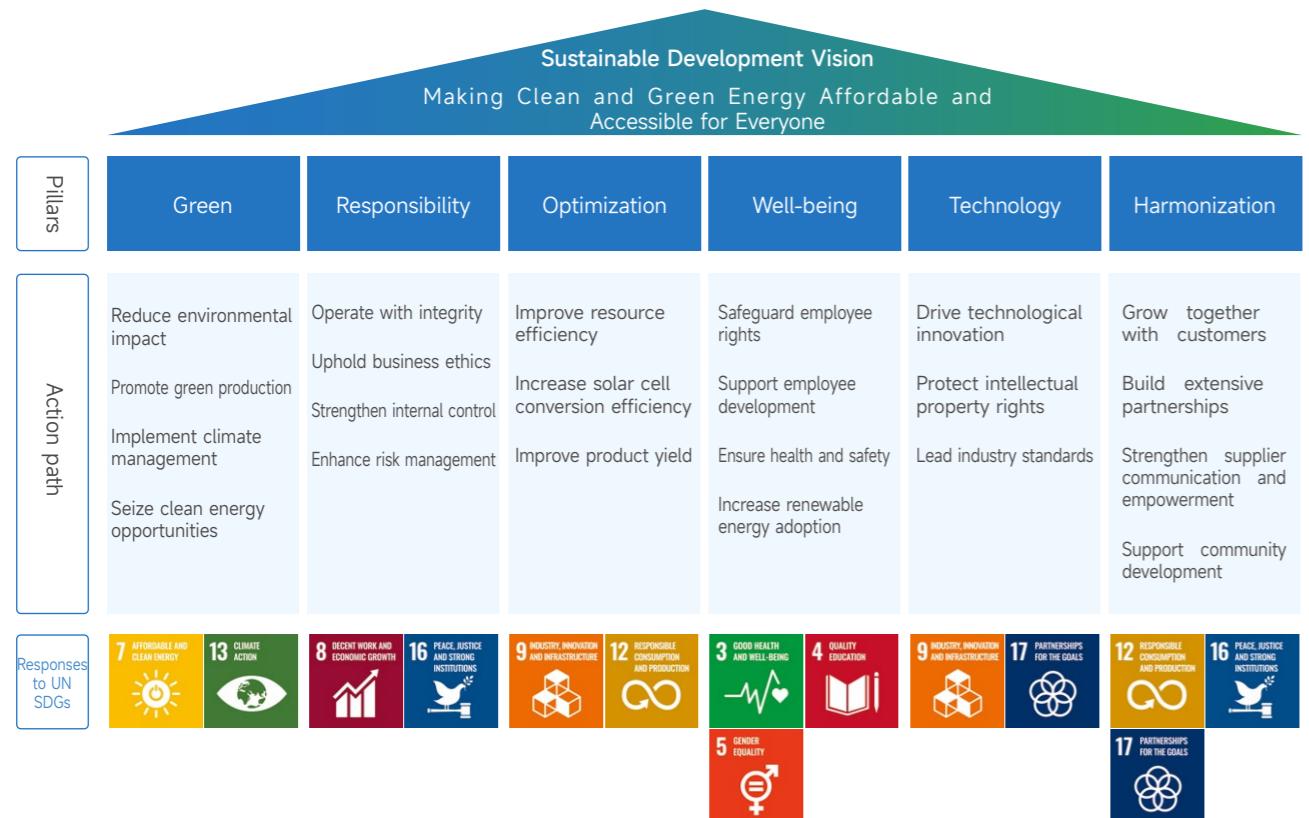


Total training sessions	Total training participations	Total training durations
<b>2,308</b>	<b>11</b>	<b>10.5</b> Hours
Annual incidence rate of occupational disease	Conformity rate of incoming materials	Rate of acceptance by customers/institutions
<b>0%</b>	<b>100%</b>	<b>100%</b>
Supplier response rate in communication	Coverage rate of conflict mineral investigations among core suppliers	
<b>100%</b>	<b>100%</b>	
Percentage of core suppliers which have signed letter of commitment on conflict minerals		
<b>100%</b>		

# Sustainable Development System

## Sustainable Development System

Yingfa Ruineng follows a sustainable development strategy guided by new quality productive forces and its vision of "Making Clean and Green Energy Affordable and Accessible for Everyone," to establish a distinctive "GROWTH" sustainable development strategy tailored to its corporate identity.



## ESG System Construction

The Company actively integrates ESG concepts into its operations and effectively enhances its overall ESG management standards.

### Establishing an ESG governance structure

- The Company establishes an ESG governance structure encompassing the "decision-making - management - execution" to promote the integration of ESG concepts into its governance from top to bottom.

### Improving the ESG management system

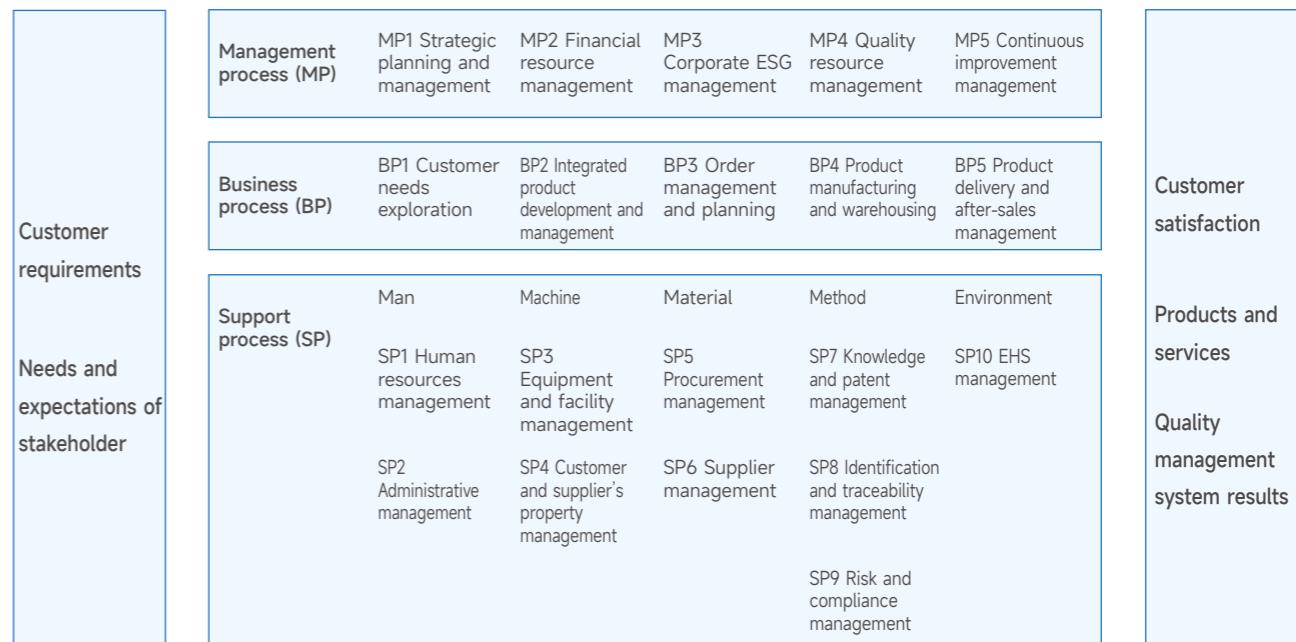
- The Company establishes a company-wide ESG management system and formulates the ESG Handbook.
- The Company sets ESG key performance indicators and annual targets, and links ESG indicators to management performance.

### Conducting ESG training and awareness promotion

- The Company organizes and conducts two specialized ESG management capability training sessions, covering 100% of domestic and overseas base managers and full-time and part-time ESG staff.
- The Company organizes employees to participate in its ESG concept solicitation activities, conducts the 2024 annual questionnaire survey of materiality issues among internal and external stakeholders, with 700+ questionnaires collected, and earnestly listens to stakeholders' expectations for its ESG work.

## Y-MODEL ESG system

Yingfa Ruineng has developed the Y-MODEL system to comprehensively enhance its management effectiveness and drive sustainable growth. The Company has obtained the "Excellent Performance Evaluation Certification" and formulated 11 sustainable development policies to establish a solid foundation for its long-term growth.



Yingfa Ruineng Y-MODEL System

**Full coverage**  
Covers all key aspects from strategy to execution, ensuring seamless coordination and alignment

**Customer-oriented**  
Extreme customer-oriented goes throughout the system to exceed customer expectations and become the preferred partner

**Continuous improvement**  
Continuous improvement mechanisms ensure the Company maintains competitiveness in a constantly evolving market



Excellent Performance Evaluation Certification of Yingfa Ruineng

### ● 11 Sustainable Development Policies of Yingfa Ruineng



## Stakeholder engagement and materiality assessment

### Stakeholder communication

Yingfa Ruineng highly values communication with all stakeholders. Based on industry and business characteristics, the Company has established diverse communication channels with stakeholders, including government and regulatory authorities, customers, employees, suppliers, and communities. This enables the Company to promptly understand their expectations and demands, and actively respond to their needs.

Main Stakeholder	Expectations and Demands	Communication Channels
 Government and regulatory authorities	Tax compliance Lawful and compliant operations Contribution to regional economy Technological innovation capability Climate change response Anti-corruption and anti-bribery	Proactive tax payment Acceptance of supervision Work reports Enhancement of innovation and R&D capabilities Boosting local economy through specialized industries Providing stable job opportunities
 Employees	Protection of employee rights Career development opportunities Improved welfare benefits Focus on occupational health and safety Strengthened democratic communication	Employee representative meetings Frontline employee forums Employee satisfaction surveys Employee feedback Cultural and welfare activities Professional skills training
 Customers	Protection of customer rights Assurance of product and service quality Honest and responsible performance Value creation capability	Customer satisfaction surveys Customer complaints and feedback (via phone, email, and WeChat) Technical exchange meetings
 Suppliers	Fair and just competition Transparent procurement Stable partnership	Disclosure of bidding information Supplier performance evaluation Long-term strategic cooperation Phone and email communication Technical exchanges and on-site factory audits
 Community	Building a harmonious community Participation in public welfare activities Local environmental protection	Volunteer activities Charitable donations Environmental protection in the community Support for community infrastructure Poverty alleviation and educational assistance

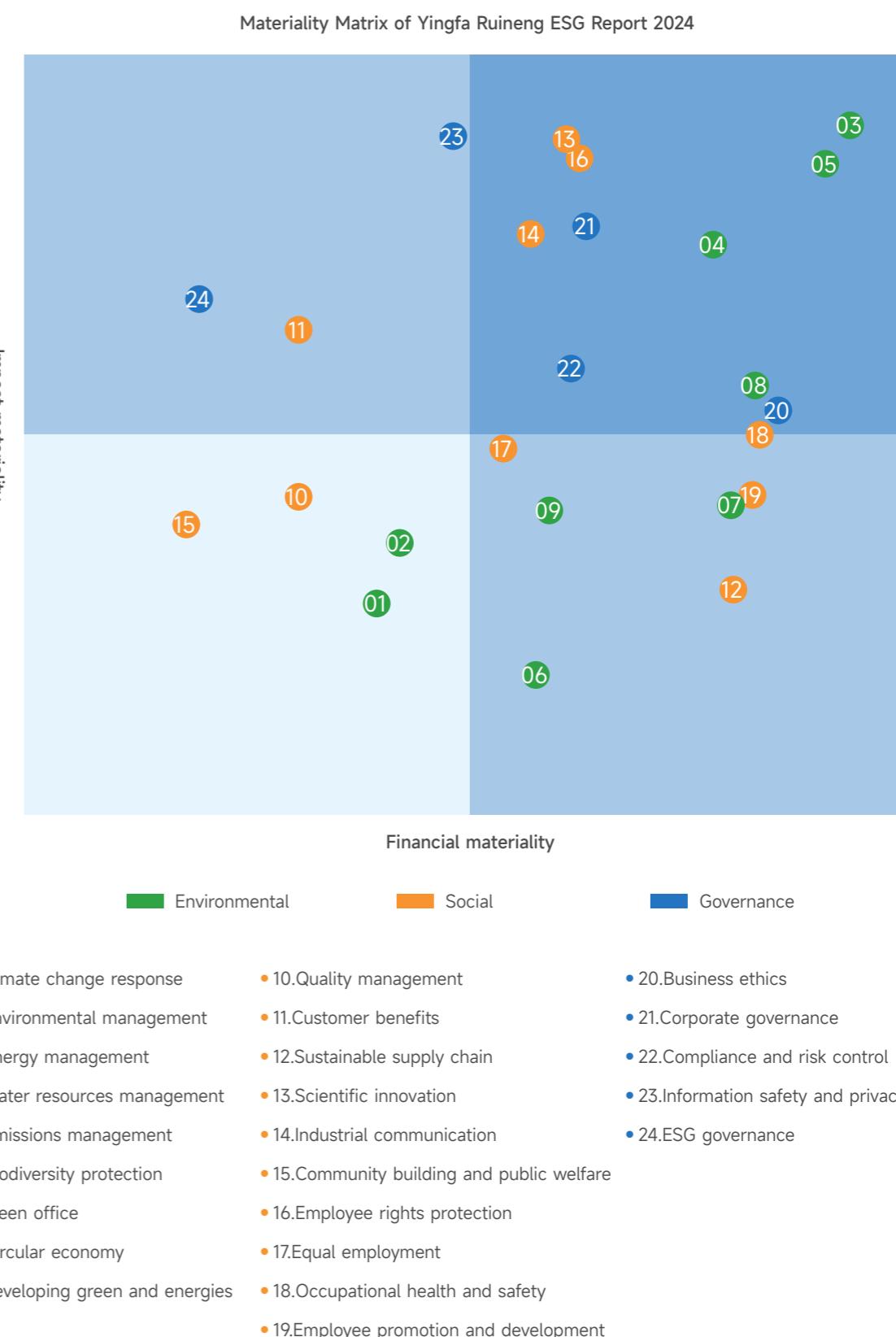
## Material topics analysis

Yingfa Ruineng continuously improves the identification and management of material topics. Through analysis of industry policy trends, industry benchmarking, and electronic questionnaires, it broadly gathers stakeholders' concerns and expectations for the Company. Key stakeholders then rank the issues based on their impact, helping the Company identify and prioritize materiality issues to strategically advance sustainable development.

## Material topic identification process

- Identifying material topics**
  - The Company refers to national policies, conducts industry benchmarking, and aligns with its development strategy to understand stakeholders' needs and expectations through electronic surveys.
  
- Assessing topic importance**
  - The Company performs a systematic quantitative analysis of the topics to understand their importance to its operations and stakeholders. The Company also presents the significance of the topics in the form of a matrix diagram, where highly important topics are located in the upper right corner, moderately important topics in the middle, and less important topics in the lower left corner.
  
- Analyzing topic impact**
  - The Company references the Global Reporting Initiative (GRI) Sustainability Reporting Standards to analyze the actual and potential impacts (both negative and positive) of its activities and operations related to 27 issues on the environment, economy, and people (human rights).
  
- Evaluating significance**
  - The Company invites key stakeholders to assess and score the impact of each topic through collective meetings and evaluation forms. The scoring results are presented in a materiality chart, showing the significance of each topic from two perspectives: impact importance and financial importance.
  
- Prioritization and confirmation**
  - Based on the importance of each topic to stakeholders and the impact of the Company's business activities on the environment, economy, and people (human rights) under each topic, combined with industry trends and policy influences, the Company quantitatively analyzes the materiality of each topic. The Company then ranks the topics in descending order of materiality, forming a list of material topics to determine the key focus areas for report disclosure.

## Material topic results (example)



## Annual Special Topic

# Establishing a Global PV Research Center to Illuminate Technological Innovation

In the fast-growing field of new energy technology, Yingfa Ruineng, a global leader in renewable energy, remains committed to driving the development and upgrading of the PV industry through technological innovation. The Company focuses on high-efficiency solar cell technology R&D, consistently increasing R&D investments, fostering independent technological innovation, and enhancing core technology development and accumulation. Yingfa Ruineng actively strengthens industry-university-research cooperation and exchanges, and builds a collaborative innovation ecosystem to drive progress through innovation and to lead the future with technology.

### Technology Innovation Strategy of Yingfa Ruineng

#### Strategic goal

The Company establishes systematic research and validation facilities and mechanisms conducive to technological innovation and achievement transformation, fosters and enhances independent innovation capabilities, builds a bridge between industry and research, accelerates the conversion of research achievements into real productivity, and drives the industry to new heights.

#### Strategic direction

Defining focus and highlighting strengths

Building an open innovation ecosystem

Enhancing commercialization effectiveness

Creating a talent hub

#### Implementation path

- The Company keeps pace with cutting-edge PV cell technology trends.
- The Company focuses on BC, Perovskite/TOPCon tandem cells as core development directions.
- The Company builds a research system characterized by new processes and key equipment.
- The Company establishes an open and cooperative research system.
- The Company develops a deeply integrated innovation network combining industry-university-research cooperation.
- The Company organizes and participates in the development of key industry technologies.
- The Company provides experimental and validation environments for technology development and commercialization.
- The Company strengthens collaboration with industry to develop technologies, products, and market applications.
- The Company cooperates with financial and investment institutions to attract social capital for technological innovation.
- The Company establishes a global perspective and actively competes for top global talents.
- The Company attracts and cultivates top scientists and young talents.
- The Company establishes a comprehensive talent incentive mechanism.
- The Company develops a scientific and reasonable performance evaluation system.

## Technical Roadmap



Yingfa Ruineng's Multi-Technology Strategy

# Comprehensive R&D System Upgrade and Optimized Innovation Management



## ◆ State-of-the-art facilities

The Yingfa Ruineng Global PV R&D Center, with an investment of RMB 350 million, completed its main structure capping in September 2024. Covering an area of 21,600 square meters, the R&D Center integrates key units such as an advanced PV characterization technology laboratory, a module testing line, and a reliability laboratory. It is equipped with specialized testing equipment and pilot production lines, providing advanced testing and R&D capabilities to support PV material development and product validation.



R&D Testing and Inspection Center (Rendering)

### PV Advanced Characterization Technology Laboratory

Solar Cell Reliability Laboratory  
Silicon Wafer Inspection Laboratory  
Chemical Laboratory

### Module Test Line and Reliability Laboratory

Module R&D Line  
Module Reliability Laboratory

Testing Conditions of the R&D Center

## Practice & Project-Driven Development

**Core project experience:** The Company assigns R&D professionals to key technology development projects based on project needs and individual capabilities. Through full-cycle involvement in planning, designing, implementing, and optimizing projects, they develop technical expertise and project management skills by solving real-world challenges.

**Industry-university-research cooperation projects:** The Company conducts industry-university-research cooperation projects with universities and research institutions to provide R&D professionals with opportunities to participate in academic research projects and key projects of research institutions. This leverages the research resources and academic atmosphere of universities and research institutions to enhance their scientific expertise and technological innovation capabilities.

## Mentorship Program

**Guidance from senior mentors:** Each high-potential R&D professional is paired with an experienced mentor who provides technical guidance, career development advice, and mindset coaching. Regular one-on-one discussions help address challenges at work and offer tailored solutions and recommendations.

## External Exchange & Collaboration

**Industry conferences & seminars:** The Company encourages R&D professionals to attend major domestic and international industry conferences, seminars, and technology forums to stay updated on global trends and advancements, and to exchange and collaborate with peers. The Company provides financial support for participation and requires attendees to share acquired knowledge with colleagues through internal sessions.

## Incentive & Career Development Mechanism

**Comprehensive compensation & incentives:** Beyond base salaries and bonuses, the Company offers various forms of incentives, including performance-based bonuses and project-based rewards. R&D professionals who make significant contributions to technological innovation and project breakthroughs are granted substantial bonuses and stock options to motivate them to create greater value for the Company.

**Dual career paths:** The Company develops parallel career paths for management and technical expertise, allowing R&D professionals to choose between a technical expert path and a management path based on their interests and strengths. The Company also defines clear promotion standards and career progression guidelines for each path to ensure broad opportunities for growth.

**Recognition & awards:** The Company establishes multiple awards, such as the "Annual Best R&D Award," "Innovation Star," and "Technology Contribution Award," to publicly acknowledge and reward high-performing R&D professionals. Their achievements are promoted through internal publications, bulletin boards, and annual meetings to strengthen their sense of recognition and belonging.

## ◆ Strong talent team

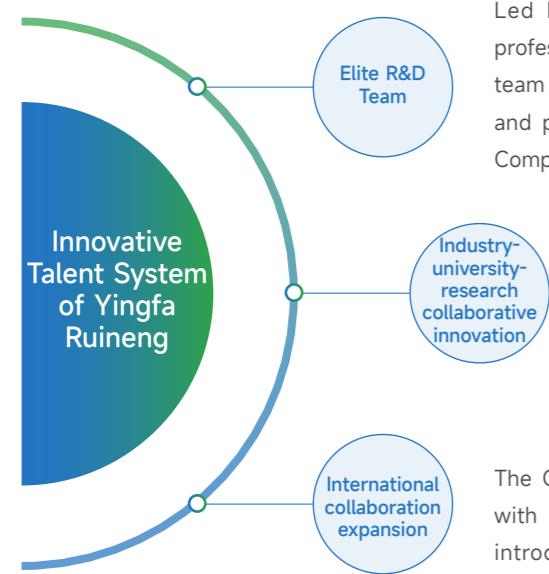
Yingfa Ruineng continuously strengthens its R&D team by implementing a series of talent development programs. With integrated academic research resources and talent development advantages, the Company organizes project training, professional lectures, and other internal and external training programs to enhance the technical and comprehensive skills of its R&D team, inspiring creativity and building a strong professional team.

### ● R&D Professional Development Programs

#### Diversified Training System

**Cutting-edge technology training:** The Company regularly invites top industry experts and scholars to deliver lectures on the latest technological advancements and trends. Additionally, it provides structured professional training courses on topics such as solar cell physics, semiconductor physics, and thin-film technology to help R&D professionals gain in-depth knowledge and expertise.

**Innovation thinking & methodology training:** To foster creativity, the Company organizes innovation-focused training sessions on design thinking, reverse thinking, and other methodologies. These sessions help R&D professionals break traditional thought patterns and enhance their innovation efficiency.



Led by PhD experts, the Company has an elite R&D team of 160+ professionals with deep expertise and extensive practical experience. This team serves as the intellectual backbone for technological breakthroughs and product advancements, as well as the core driving force behind the Company's R&D innovation.

The Company has established close partnerships with renowned universities such as Sun Yat-sen University, Wuhan University of Technology, Hefei University of Technology, and Chengdu Technological University. A perovskite research institute has been set up to integrate industry, university, and research, accelerating the transformation of technological achievements into practical productivity.

The Company actively expands international cooperation, and collaborates with leading global institutions such as the Martin Green Workstation to introduce cutting-edge technologies and concepts, enhancing its R&D capabilities and international competitiveness.

## Breakthroughs in Core Proprietary Technologies, with Numerous Notable Technological Innovations



### ◆ Outstanding Technological Innovations

Adhering to the core philosophy of "Focusing Solely on Solar Cells to Make the Best Solar Cells," Yingfa Ruineng actively pursues an R&D strategy centered on cost reduction and efficiency improvement, dedicating itself to the development of high-efficiency, eco-friendly, and low-degradation solar cell products. Through relentless innovation, the Company has successfully launched a series of high-performance and energy-saving solar cells. As a result, it has been recognized as a National High-Tech Enterprise for 2022-2025 and has received multiple technology innovation awards during the reporting period.



National High-Tech Enterprise Certification



PVBL 2024 Most Creative Company in Global PV&ES Industry



2024 OFweek Solar Awards - "Super-Efficient PV Cell Award"



2024 SMM "Light Cup" Innovation Pioneer Award

### ◆ Optimization of innovation management mechanism

The Company continuously optimizes its technological innovation management by establishing the Patent Incentive Management System to fully mobilize the enthusiasm and creativity of its employees in technical innovation. The Company encourages the generation of intellectual property (IP) assets, maximizing the value and effectiveness of human, financial, and informational resources for technological innovation. This drives comprehensive innovation centered on proprietary products, promotes the transformation of innovation outcomes, and facilitates the Company's transition from a project-based economy to an industrial economy. During the reporting period, the Company invested RMB 60,000 in R&D innovation incentives.

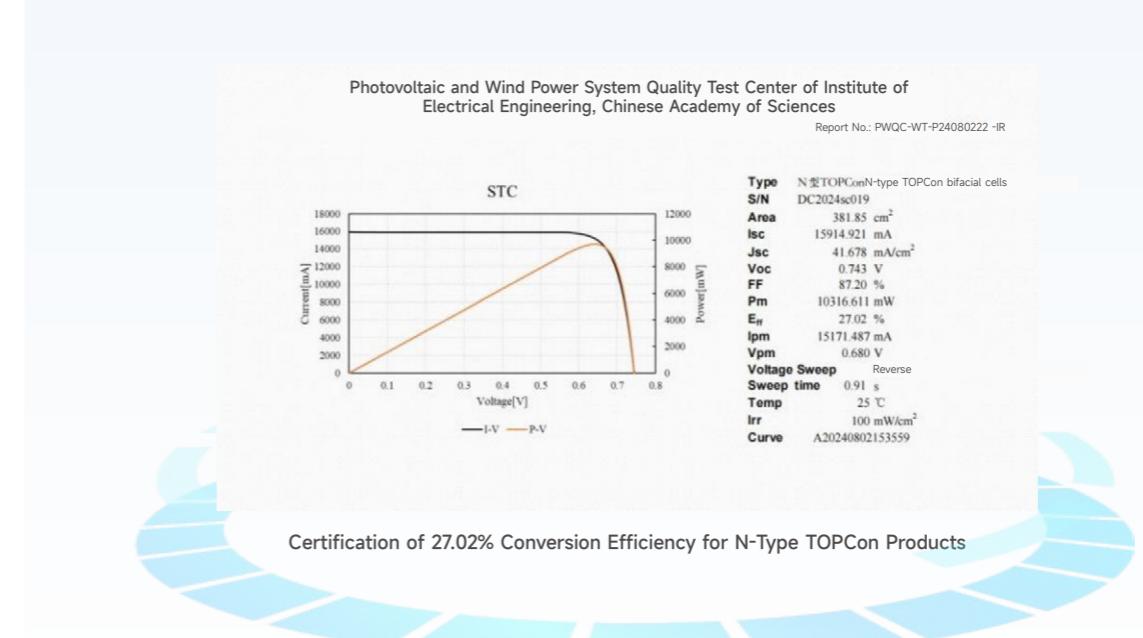
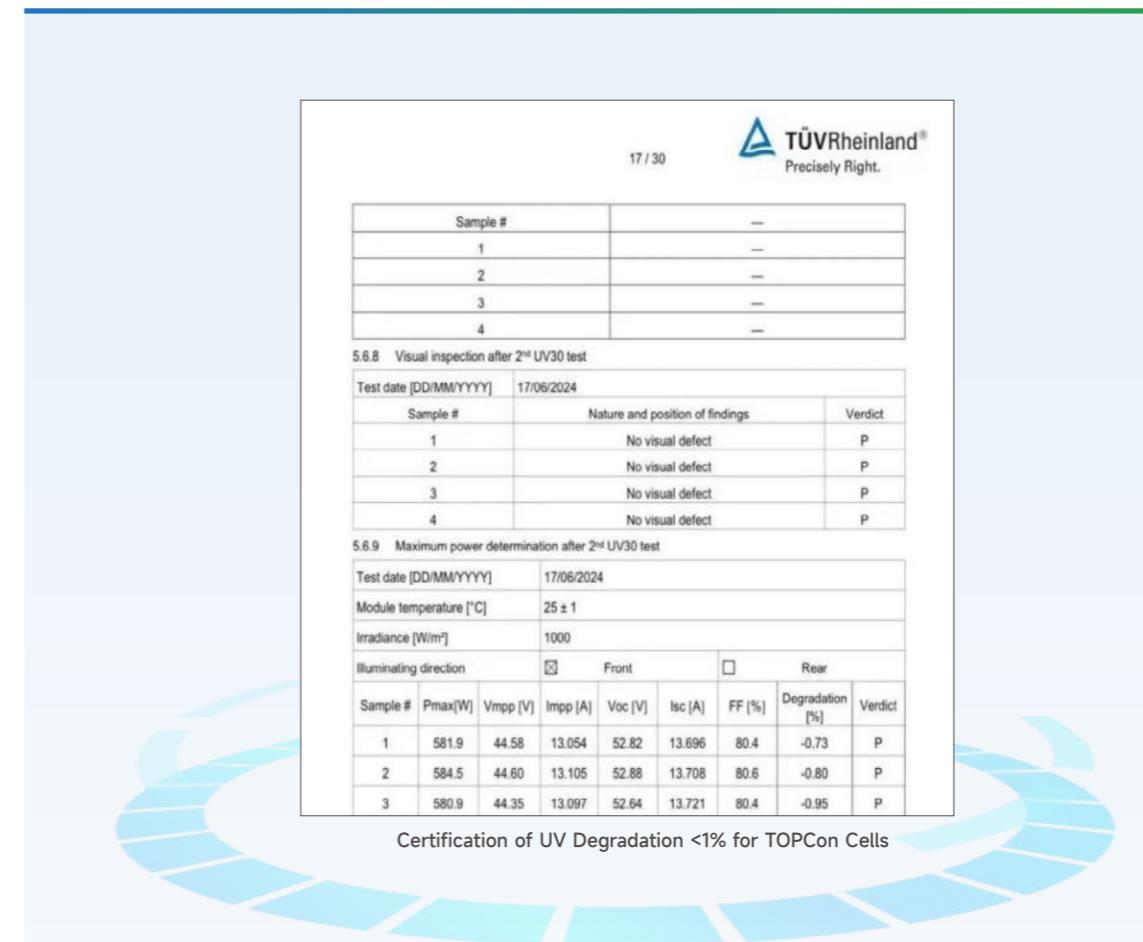
The Company protect IP rights, fully respecting the IP rights of others and focusing on preventing IP infringement risks. It has established internal guidelines, including the Intellectual Property Management Measures and the Patent Incentive Management System, to standardize IP management processes and provide comprehensive, timely, and effective protection for R&D achievements. In 2024, the Company continued to enhance both the quantity and quality of its patents. The number of patent applications exceeded the annual target by 14%, and the number of granted invention patents increased by 50% compared with the previous year.



Certification for Intellectual Property Compliance Management System of Yingfa Deyao

## ● Major Technological Innovations of Yingfa Ruineng

Technology Type	Achievements
Improved cell conversion efficiency	<p>Independently developed N-Type 210R solar cells with a conversion efficiency of 27.02%, setting a new industry benchmark for high-efficiency solar cells.</p> <p>Mass production efficiency of N-Type DeCon2.0 products has exceeded 26.8%, significantly higher than the industry average, offering more efficient energy conversion solutions and promoting the widespread adoption of clean energy.</p>
Laser-induced sintering technology	<p>The introduction of laser-induced sintering equipment has optimized manufacturing processes, raising cell efficiency by over 0.2% and improving production efficiency and product quality.</p>
Non-SE process optimization	<p>Enhanced non-SE process maintains high efficiency while reducing costs and environmental impact, thereby promoting green manufacturing and sustainable development, and contributing to environmental protection goals.</p>
Low silver consumption technology	<p>Optimized metallization pattern design and paste matching have reduced silver consumption. For example, silver consumption for the 183 series has decreased by 24.8%, significantly improving product cost efficiency.</p>
0BB cell mass production breakthrough	<p>Successfully achieved large-scale production of 0BB cells has largely reduced costs and increased efficiency, setting a new industry standard and driving overall technological advancement.</p>
Significant UV degradation improvement	<p>Developed ALD process has optimized coating and sintering technology, and reduced average UV degradation of TOPCon cells to less than 1%, far below the industry standard, greatly enhancing product stability and reliability.</p>



## ◆ Active Participation in Industry Exchange

The Company leverages its extensive practical experience and advanced technological expertise to engage in close collaboration with peer companies and industry associations. It takes an active part in industry standard-setting, research projects, industry summits, and technical exchange events, sharing cutting-edge technologies and professional knowledge to enhance its influence and competitiveness.

**Industry associations:** The Company maintains an open and proactive approach by joining relevant domestic and international industry associations. This helps break down information barriers and enhance information sharing within the industry.

Association Name
◆ Asian Photovoltaic Industry Association
◆ Shanghai Tianchang Economic and Cultural Promotion Association - Outstanding Member (2017)
◆ Outstanding Executive Vice President of Nanjing Chuzhou Chamber of Commerce (2018)
◆ Outstanding Executive Vice President of Nanjing Chuzhou Chamber of Commerce (2019)
◆ China Photovoltaic Industry Association
◆ Chuzhou Photovoltaic Industry Association
◆ Chuzhou Semiconductor Industry Association
◆ Sichuan Chuanlian Photovoltaic Industry Chamber of Commerce
◆ Vice President of the First Council of Anhui Chamber of Commerce
◆ Jiangsu Province Renewable Energy Industry Association
◆ Executive Member of Jiangsu Province Renewable Energy Industry Association
◆ Executive Member of Chuzhou Youth Chamber of Commerce
◆ Member of Anhui High-Tech Enterprise Association

Note: The entity that joined the Sichuan Chuanlian Photovoltaic Industry Chamber of Commerce is Yibin Yingfa Deyao Technology Co., Ltd.

**Participation in standard setting:** The Company plays a significant role in drafting and formulating industry and regional standards, propelling fair competition and sustainable development within the industry.

Standard Name	Type
General Principles for Green Product Assessment	Provincial
Guidelines for Carbon Footprint Evaluation of Crystalline Silicon Solar Cell Products	Industrial
Evaluation Specification of Zero-Carbon Factory in the Photovoltaic Industry	Industrial
SEMI Cell and Module Encapsulation Material PID Sensitivity Test	Industrial
Technical Specification for Green-Design Product Assessment - Solar Cells	Industrial

**Research projects:** The Company has initiated and researched scientific and technological projects systematically. During the reporting period, a total of 26 projects were under research, and its subsidiary Yingfa Dekun successfully secured approval for several high-level R&D projects, further consolidating the Company's technological leadership in the industry.

Project Name	Level	Approval Status
High-efficiency N-Type monocrystalline silicon ingot for smart photovoltaics	National	Approved
Provincial key industrial equipment renewal and technological upgrade	Provincial	Approved
Research on cost-reduction and efficiency-enhancing technologies for high-efficiency N-type monocrystalline silicon ingot	Municipal	Approved

### Case Yingfa Dekun Overcomes Key Technological Challenges in High-Efficiency N-Type Monocrystalline Silicon Ingots

This project focuses on overcoming key technological challenges related to high-efficiency N-type monocrystalline silicon ingots, including high-efficiency thermal field technology, crystal pulling technology, low-oxygen monocrystalline technology, long-lifetime control technology, and remote centralized control crystal pulling technology. It aims to resolve the conflicting issues between oxygen reduction and thermal field stability, finding a balance point during dynamic operation to ensure consistent output while meeting oxygen content requirements at the ingot head. This project is expected to break through technological barriers in the industry, effectively improving the efficiency of PV solar cells, increasing the power generation capacity of PV power stations, and reducing the levelized cost of electricity (LCOE). It will also enhance China's technological capabilities and industrial production capacity for monocrystalline silicon ingots, contributing to the high-quality and sustainable development of the PV industry and supporting the adjustment and upgrading of the national energy structure.

As of December 31, 2024, this project has achieved substantial progress in the independent development and technical optimization of high-efficiency N-type monocrystalline silicon ingots. The initial design and preparatory work for this project have been completed, including research into the CZ process for high-efficiency N-type silicon ingots, and advancements in high-efficiency thermal field technology, low-oxygen control technology, high minority carrier lifetime control technology, and remote centralized control crystal pulling technology. This project has also developed theoretical computer models and validated the feasibility of the oxygen reduction process through a series of experiments. Additionally, key equipment has been procured, installed, and commissioned. These efforts have led to improvements in the oxygen content, carbon content, and resistivity targeting accuracy of the high-efficiency N-type monocrystalline silicon ingots. The current product performance and stability have met required standards, and batch deliveries to customers have already commenced.

# Lean Governance for Sustainable Growth

We firmly believe that sound corporate governance is the cornerstone of sustainable development. Adhering to strategic guidelines, we have established a robust governance framework. Besides, we operate based on the principles of integrity and scientific management, strengthen internal compliance and risk control, uphold business ethics, and foster a culture of integrity to support the Company's high-quality growth.

## Responses to UN SDGs



# Improving Governance Effectiveness

Yingfa Ruineng strictly complies with the Company Law of the People's Republic of China and internal regulations such as the Articles of Association to establish a governance structure characterized by clear roles and responsibilities, independent operation, and mutual checks and balances. This ensures effective governance and operational efficiency.

## General Meeting of Shareholders

The general meeting is the Company's highest authority, responsible for deciding key business strategies, financing, investment, and profit distribution. Yingfa Ruineng follows the Rules of Procedure for the General Meeting of Shareholders to regulate the operation of the general meeting. The Company actively communicates with shareholders through multiple channels to gather feedback and ensure shareholder rights.

## Board of Directors

The Board of Directors fully exercises its role in strategic planning, decision-making, and risk prevention, with a focus on the critical task of achieving high-quality development. It has established the Rules of Procedure for the Board of Directors to standardize the deliberation methods and decision-making procedures, ensuring the effective implementation of resolutions of the General Meeting of Shareholders. The Board of Directors has also established the Nomination Committee, the Strategy and ESG Committee, the Remuneration and Appraisal Committee, and the Audit Committee, which jointly oversee and manage various aspects of the Company's operations. Since their establishment, each committee has diligently performed its duties in accordance with applicable laws, regulations, regulatory documents, and the relevant provisions of the rules of procedure for special committees.

Yingfa Ruineng consistently prioritizes the scientific basis, independence, and diversity of its operations and decision-making processes. When electing members of the Board of Directors, the Company adheres to a merit-based selection principle, taking into full consideration the candidates' industry experience, educational background, gender, personal professional skills, and overall competence to ensure the Board of Directors' professionalism and diversity.

## Supervisory Committee

The Supervisory Committee consists of [3] supervisors, including [1] employee supervisor. The supervisors diligently fulfill their duties and responsibilities in accordance with the Company Law of the People's Republic of China, the Articles of Association, and the Rules of Procedure for the Supervisory Committee, as well as other applicable laws, regulations, and internal policies. They oversee the Company's operations, financial activities, and legal compliance, participate in major corporate decisions, actively safeguard the Company's interests, and protect shareholders' rights.

In 2024, Yingfa Ruineng held **3** General Meeting of Shareholders, during which **12** resolutions were reviewed and approved, with a **100**% attendance rate by directors.

The Board of Directors consists of **9** directors, including **3** independent directors and **2** female directors. It encompasses expertise in [industry experience, finance, risk management, and law]. In 2024, the Company held **4** Board meeting, during which **23** resolutions were reviewed and approved, with a **100**% attendance rate by directors.

## Compensation and performance assessment

The management, led by the President, plays a central role in "business planning, implementation, and management enhancement of Yingfa Ruineng" by executing the Board of Directors' resolutions, diligently performing their duties, and ensuring the effective execution of the Company's daily operations and management activities. The Company has continuously improved its incentive and constraint mechanisms for management compensation and distribution, with the Remuneration and Appraisal Committee responsible for researching and reviewing the evaluation standards for executive qualifications, as well as the compensation policies and plans, and overseeing the implementation of the compensation system.

The Company has established a tenure system and performance evaluation framework for management, requiring management to sign performance responsibility agreements at different levels. Performance evaluations are conducted annually and at the end of each term based on refined management and categorized assessment principles. Management compensation consists of [basic salary and performance-based pay]. To advance the Company's SDGs, ESG performance indicators have been deeply integrated into the variable compensation structure for management, covering key areas such as [energy conservation and consumption reduction, EHS red-line incidents, and internal control audits], and constituting 20%- 40% of total compensation. The Company adopts flexible approaches, using either target-based or score-based evaluations depending on the nature of the indicator, ensuring that ESG principles are fully embedded in its strategic decision-making, operations, and management.

## Integrity and Compliance Operations

Yingfa Ruineng consistently adheres to the Law Against Unfair Competition Law of the People's Republic of China and the Interim Provisions on Banning Commercial Bribery and has continuously optimized and standardized its compliance management framework. The Company has strengthened compliance management and review processes in legal affairs, taxation, and internal audits - areas closely related to business operations - to ensure the smooth execution of business activities. Additionally, the Company is committed to fostering proper business ethics among employees and all stakeholders, working together to build a fair and honest business environment.

In 2024, the Supervisory Committee held **1** meeting, during which **8** resolutions were reviewed and approved, with a **100**% attendance rate by supervisors.

## Legal and compliance management

Yingfa Ruineng keeps to the principle of “legal compliance preceding business decisions” and strictly conducts its business activities in accordance with national laws and regulations. The Company actively promotes the deep integration of legal affairs and business operations, continuously strengthens its legal affairs management, effectively mitigates legal risks in business operations, and continues to enhance its compliance management capabilities.

### ● Legal and Compliance Management Mechanism of Yingfa Ruineng

Measure	Details
Quarterly risk identification and summary meetings	The Company summarizes and identifies potential risks encountered in daily operations, and develops preventive and responsive strategies to minimize legal disputes.
Contract template revisions	The Company updates contract templates based on identified risks to improve security and compliance, reducing legal risks caused by contractual loopholes.
Legal training	The Company provides regular legal training to business departments to enhance employees' legal awareness, strengthen holistic legal risk management, and minimize non-compliant conduct.
Pre-litigation negotiation	The Company engages in active negotiation before litigation to avoid unnecessary lawsuits, to save time and resources, and to reduce its legal costs.
Risk reporting and decision-making	The Company promptly reports identified risks to management and develops countermeasures together to prevent risk escalation, and to ensure stable business operations.
Post-case reporting	The Company documents and analyzes closed cases to identify legal risks and recommend improvements. Through case-based reflection, the Company aims to optimize internal processes and systems and enhance its legal risk management capabilities.

### ● Legal Compliance Performance of Yingfa Ruineng

 Contract review	The Company reviewed <b>10,402</b> procurement contracts and updated <b>49</b> contract templates.
 Compliance assessment	The Company reviewed regulations related to environmental protection, occupational health, and safety regulations, and confirmed operational compliance rate at <b>100%</b> after a comprehensive evaluation.
 Litigation management	The Company handled <b>24</b> legal disputes, successfully resolving <b>20</b> cases and recovering RMB <b>45.884</b> million] in owed payments.
 Legal compliance training	The Company held <b>54</b> legal training sessions, totaling <b>3,904</b> training hours.
 Case	Implements Labor Compliance Training Program
	The Company organized Labor and Personnel Compliance training for the HR Department to ensure a thorough understanding of labor laws and internal HR regulations, as well as the legality and standardization of HR management practices. The training focused on enhancing the department's compliance capabilities across the entire employee lifecycle, including recruitment, onboarding, employment management, and termination, to effectively mitigate legal risks. Additionally, the training emphasized fostering ethical standards and professional conduct among HR staff, encouraging them to handle employee relations with fairness and transparency. Through this training, it is expected that HR staff can contribute to building a harmonious and stable labor relation within the Company, thereby supporting its sustainable growth.

## Tax compliance

Following local tax laws and regulations, Yingfa Ruineng has implemented the Financial Management Procedures to standardize enterprise tax management. The Company has also calculated and reported tax obligations accurately and in a timely manner, ensuring full compliance with tax laws. As a result, the Company has received multiple honors from tax authorities, including recognition as a Top 10 A-Level Tax Credit Enterprise and Top 10 Tax Contribution Enterprise at the municipal level.

In 2024, the Company was **not involved** in any major tax-related litigation or arbitration cases.

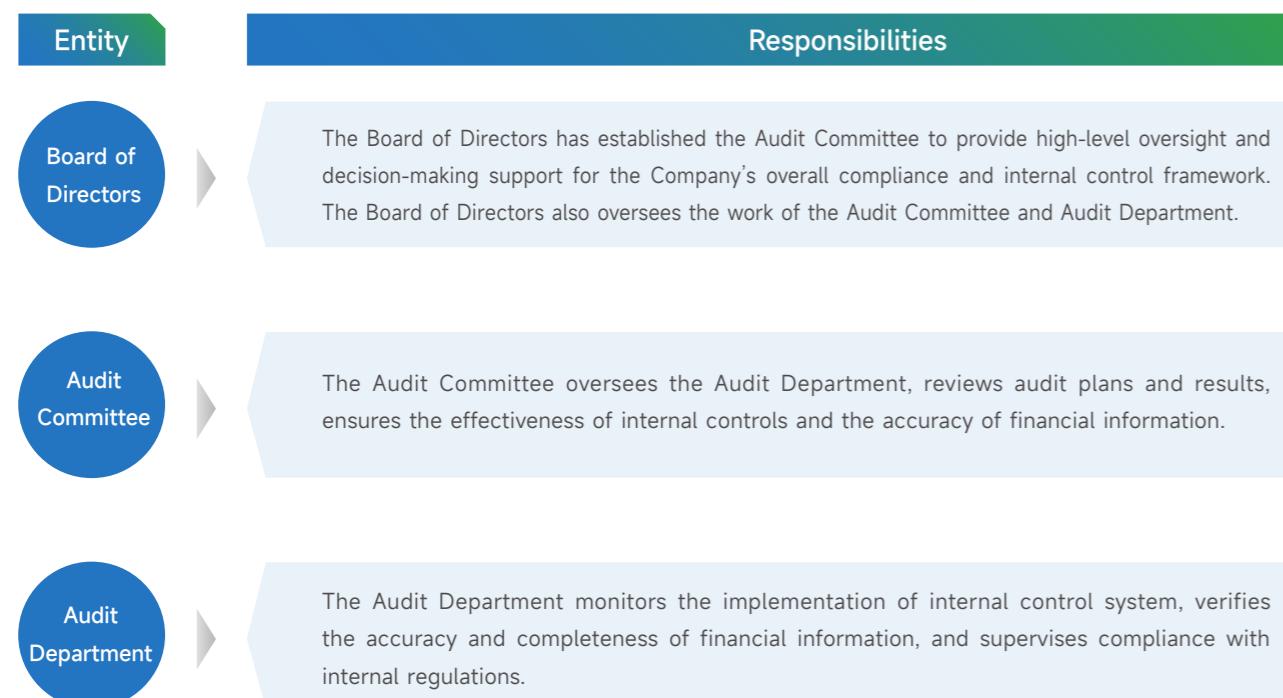
The Company is committed to serving its development strategy and core business as its foundation, with a focused emphasis on identifying emerging trends, tendencies, and typical issues in operational management. Upholding a goal-based, problem-driven, and results-oriented approach, the Company ensures that "all audits are conducted as required, every audit is thorough." Internal audits are leveraged as a key tool to strengthen internal management, enhance operational efficiency, and facilitate the formation of a closed-loop strategic management process.

In 2024, the Company conducted a total of **24** audits covering finance, operations, and compliance, identifying over **300** issues with a rectification rate of **90%**.

## Internal audit compliance

In line with the Audit Law of the People's Republic of China and the Regulations on Internal Audit Work, Yingfa Ruineng has established the Internal Audit System to implement full-coverage internal auditing, ensuring audit oversight extends comprehensively and penetrates all operational boundaries. Besides, the Company has set up the Audit Committee and the Audit Department to form a structured internal audit framework, creating an integrated internal audit mechanism led by the internal audit department, supported by cross-functional collaboration across all departments, and characterized by vertical integration, horizontal coordination, and efficient operation. This framework guarantees the effective execution of audit tasks and reinforces governance accountability.

### Internal Audit Management Framework of Yingfa Ruineng



### Internal Audit Mechanism of Yingfa Ruineng

Step	Description
Issuing internal audit notification	► The Company notifies the audited entity five days in advance to ensure adequate preparation and smooth audit execution.
Formulating the audit plan	► The Company defines clear audit objectives and methods to enhance efficiency and accuracy.
Conducting and documenting the audit	► The Company ensures the audit process is transparent and traceable, providing a solid basis for subsequent analysis.
Issuing the audit report	► The Company summarizes audit findings and proposes improvement suggestions to support management decision-making.
Follow-up and inspection of rectification status	► The Company builds a closed-loop management system to ensure corrective measures are implemented effectively, driving continuous management improvement.

## Upholding business ethics

In compliance with the principles of voluntariness, equality, fairness, and integrity in its business activities, Yingfa Ruineng adopts a zero-tolerance policy toward unethical business practices such as corruption, extortion, fraud, and money laundering. Furthermore, the Company is dedicated to maintaining a sound ethical business environment and actively promotes integrity and transparency across the supply chain, contributing to the creation of a fair, transparent, and sustainable business ecosystem.

## Preventing business ethics risks

The Company devotes itself to strengthening business ethics management. The Audit Department conducts annual audits on business ethics compliance in key high-risk departments and monitors their execution of business ethics standards. Additionally, all business lines are conducted a comprehensive review at least once every three years to ensure alignment with business ethics compliance standards. In 2024, the Audit Department carried out business ethics audits on [Deyao and Dekun], covering areas such as [environmental protection, anti-corruption, conflict of interest, fair competition, and employee rights]. This ensured effective control of potential business ethics risks during operations.

The Company actively fosters a culture of integrity by enhancing employee awareness of business ethics. For this end, it has established internal policies, including the Anti-Corruption Control Procedures, Employee Handbook, and Integrity and Clean Governance Regulations, to clearly define the professional conduct and business ethics standards employees are expected to follow. During the reporting period, the Company signed the Integrity and Self-Discipline Commitment with all employees and conducted regular business ethics training and education for all employees to build a clean and ethical business environment.

### Case Conducting Business Ethics Training

To strengthen corporate compliance with business ethics and enhance its reputation and credibility, Yingfa Ruineng held a training session titled Overview of Business Ethics in December 2024. The training targeted employees at Deyao, Dekun, and PT.BINTAN CELLULAR INDONESIA, including senior and middle management, frontline managers, and operational staff. A total of 3,904 employees participated in it, achieving a 100% participation rate. The training covered definition of business ethics, business ethics audits, role of business ethics audits, content of business ethics audits, compliance reviews, while practical case studies were used to deepen participants' understanding of business ethics and auditing.



Business Ethics Training

### • Business Ethics Training Performance of Yingfa Ruineng

Indicator	Unit	2024 Value
Total business ethics training sessions	/	172
Average business ethics training hours per employee	Hour	1
Total participants	/	3,904
Training coverage (all employees)	%	100
In which: Management training coverage	%	100
Among which: Non-management employee training coverage	%	100

Note: The statistics cover all business ethics-related training, including anti-corruption and anti-money laundering.

## Supplier integrity management

Yingfa Ruineng requires all business partners, including suppliers, to comply with applicable anti-corruption laws and uphold business ethics, maintaining high ethical standards in their business conduct. The Company has developed the Supplier Code of Business Conduct and Ethics, to explicitly prohibit suppliers from offering, promising, or providing improper benefits to Yingfa Ruineng employees through their staff, subcontractors, or agents in exchange for contracts or other advantages.

During the reporting period, the Company signed the Supplier Code of Conduct with its business partners, achieving a signing rate of

**86.07%**, with **100%** signing coverage among core suppliers.

## Enhancing whistleblowing and reporting mechanisms

The Company's efforts to combat commercial bribery, unfair competition, and other business ethics violations are centrally managed by the [Audit Department]. The Audit Department regularly reports the findings of misconduct investigations to management and the Board of Directors to ensure that the Company's operations meet ethical and compliance standards. The Company provides multiple reporting tools and channels, including [hotline, email, postal mail, and WeCom], which allow for both real-name and anonymous reporting. Stakeholders are encouraged to report any suspected misconduct or illegal activities within the Company, including issues related to accounting, internal audits, money laundering, bribery, and environmental crimes. This helps the Company effectively prevent and mitigate risks in these areas.

### • Business Ethics Reporting Channels of Yingfa Ruineng

**Tel:** 15926321150

**Email:** shenjijubao@yingfaruineng.com

**Post address:** Audit Department, Yibin Yingfa Deyao Technology Co., Ltd., 15926321150

**WeCom:** 15926321150

Yingfa Ruineng respects every whistleblower. The Audit Department complies with the relevant provisions of the Internal Control System to maintain the confidentiality of whistleblower reports, to protect the privacy of whistleblowers and to prevent retaliation, including unjustified dismissal or harm. Any personnel found violating confidentiality regulations or retaliating against whistleblowers will face strict disciplinary action and legal consequences.

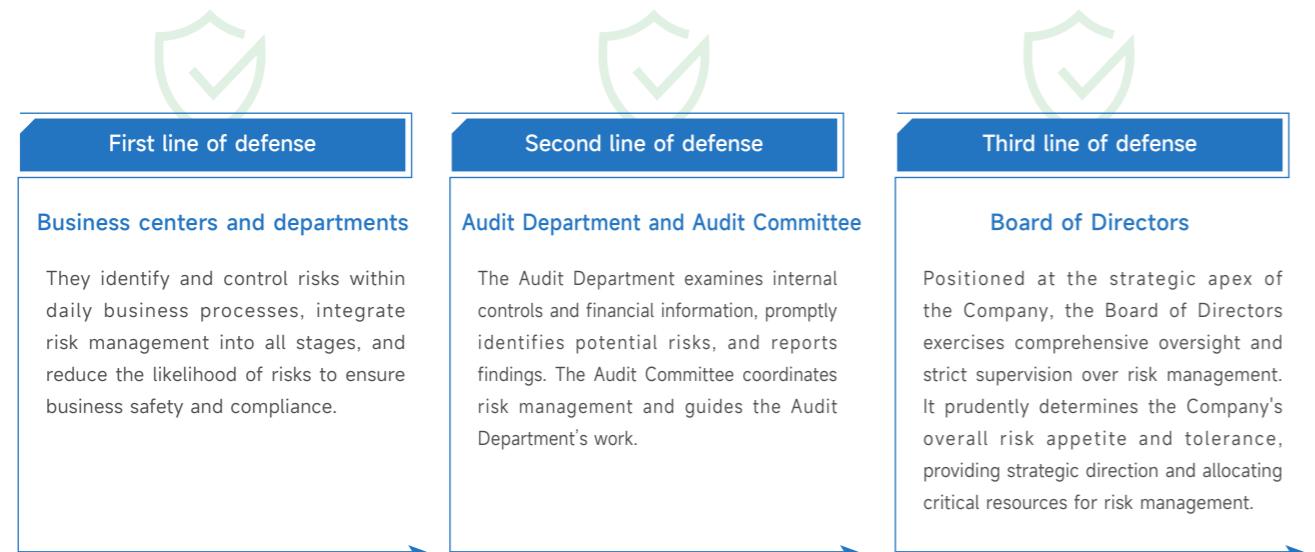
# Comprehensive Risk Management

Yingfa Ruineng has reinforced its overall risk control processes and mechanisms by establishing the Risk and Internal Control Management System and creating a standardized and effective risk control framework to ensure its stable operation. In 2024, the Company did not experience any major defects or significant risks affecting its governance, operational management, or business development.

## Robust risk management system

Following the principles of centralized management and responsibility by division, Yingfa Ruineng has established a three-tier risk defense system consisting of business centers and departments, the Audit Department and the Audit Committee, as well as the Board of Directors. All departments work together to coordinate efforts, establish checks and balances, and ensure the effective functioning of the Company's compliance and risk management framework.

### Three Lines of Defense in Risk Management of Yingfa Ruineng



## Risk identification and response

Yingfa Ruineng has established the Risk and Opportunity Response and Control Procedures based on its actual business conditions, industry characteristics, and global developments, and has defined the processes for risk identification, analysis, assessment, and handling to reinforce its risk management framework.

### Risk Management Process of Yingfa Ruineng

Step	Description
Information collection	▶ The Company annually gathers internal and external data, including operational data, market trends, and industry regulations, based on predefined risk categories and control objectives.
Risk assessment	▶ The Company analyzes and assesses collected information to determine the probability and impact of risks, identifying key risk points.
Strategy formulation	▶ The Company develops risk management strategies based on assessment results, including risk avoidance, reduction, sharing, and acceptance.
Monitoring and adjustment	▶ Under the supervision of the Audit Department, Audit Committee, and Board of Directors, the Company identifies emerging risks and changes, and adjusts response strategies and control measures accordingly.

The Company classifies risks into five main categories: strategic, financial, market, operational, and legal risks. Based on the causes and consequences of these risks, the Company further refines its risk classification and develops a comprehensive risk inventory, tailored to its specific circumstances. Additionally, the Company conducts risk monitoring according to the risk level, and studies and formulates risk prevention and response measures, with clear accountability and control targets.

# ESG

## Green Development for a Low-carbon Future

Yingfa Ruineng always pursues green development, and takes the initiative to response to the national Dual Carbon strategy. The Company integrates environmental protection into the enterprise development strategy and daily operation. The Company strictly abides by the environmental protection commitments, implements the green and low carbon measures from production to operation, effectively control pollution emissions and waste disposal, and promotes the efficient use of resources. Yingfa Ruineng is committed to be a leader in the sustainable development of the new energy industry.

### Performance Highlights in 2024

Investment in environmental protection  
**744.457** Billion RMB

Environmental protection training  
duration **1,712.5** Hour

Roof-mounted photovoltaic installed  
capacity **24.99** Megawatt

### Responses to UN SDGs



Decrease of cell water unit consumption

**70** %

Water circulation utilization rate

**46.84** %



# Environmental Management

Yingfa Ruineng constantly improves the environmental management system to jointly promote compliance control. The Company strengthens professional training to comprehensively improve the level of environmental protection work. By promoting its green operation and development, Yingfa Ruineng aims to lay a solid foundation for green and low-carbon development and ecological protection.

## Environmental Management System

Yingfa Ruineng strictly abides by national laws and regulations such as the Environmental Protection Law of the People's Republic of China and the Law of the People's Republic of China on Environmental Impact Assessment. It has improved the environmental management structure and promoted the building of environmental management system. The Company has developed the Quality, Environment, Occupational Health and Safety Management Manual, the Environmental Protection Responsibility System Management System, the Control Procedures for the Identification and Evaluation of Environmental Factors and other internal normative documents, to establish and improve the environmental protection management system.

The Company always carries out green EHS management policy. It set up the Environmental Protection Management Committee to supervise and guide specific environment work involved in the daily production and operation. It set up a full-time environmental protection management agency, Safety and Environmental Protection Department, responsible for coordinating its environmental protection work and ensuring continuous and effective operation of its environmental protection system. The Company implements environmental protection management responsibility system and includes the environmental indicators into the performance appraisal system, to fully implement environmental responsibility and goals.

In 2024, all the production bases of Yingfa Ruineng have obtained ISO 14001 environmental management system certification.



Environmental Management System Certification Certificates

## Environmental Compliance Control

Yingfa Ruineng has further standardized the environmental risk management procedures. The Company has prepared the Emergency Response Plan for Environmental Emergencies and submitted it to the regulator for the record. Yingfa Ruineng has set up a complete command and organization system which can achieve effective prevention and rapid response to environmental emergencies. In addition, it actively carries out the regular and sudden risk assessments of potential environmental hazards and special actions for hidden danger investigation.

### Environmental Compliance Performance in 2024

Indicator	Unit	2024 Value
Project coverage rate of environment impact assessment	%	100
Environmental emergency drills	/	8
Participations in the environmental emergency drills	/	81
Environmental hidden danger investigations	/	88

### Case Emergency Drill for Wastewater Leakage

In August 2024, Yingfa Ruineng organized an emergency drill for wastewater leakage. During the drill, it simulated the response and disposal of wastewater overflow. By doing this, the Company improved the emergency disposal knowledge and ability of wastewater treatment personnel. Besides, through this drill, the Company can reduce the environmental risks caused by wastewater leakage in the future, thus reducing environmental pollution and economic losses.



Gas Detection



Pumping Pit Wastewater

## Environmental Protection Training

The Company extensively organizes and carries out environmental protection knowledge publicity and education activities to improve employees' environmental awareness, prevent and reduce various environmental protection accidents. The Company adopts a systematic and scientific training system and diversified training forms to promote environmental protection information sharing, exchange and learning.

- Environmental Protection Training in 2024

Indicator	Unit	2024 Value
Environmental protection training sessions	/	30
Environmental protection training participations sessions	/	1,685
Environmental protection training duration	Hour	1,712.5



Training on Waste Gas Laws and Regulations and the Company's Existing Waste Gas Operation and Management

## Climate Change Response

Yingfa Ruineng highly recognizes the UN SDGs and the important value of the Paris Agreement for mankind to protect the earth. The Company resolutely implements the national Dual Carbon strategy, actively explores climate action and accelerates the certification of product carbon footprint. It commits itself to be a pioneer of climate action and green development in the industry.

### Climate Governance System

Yingfa Ruineng builds a climate change governance structure led by the Board of Directors, guided and supervised by the Strategy and ESG Committee, comprehensively coordinated by the ESG project team, implemented by all bases, safety and environmental protection center, power center and other departments, and cooperated by multiple departments. The Company continuously improves climate change risk identification and opportunity management.

### Climate Response Strategy

Yingfa Ruineng integrates climate risk identification and management into the daily risk management system. Combining external environmental changes and internal development status, the Company gradually improves the climate change risk management framework and process. It identifies and evaluates climate risks and opportunities, and enhances its ability to resist climate change risks.

### Climate Risk Identification and Coping Strategy

- Physical Risk Identification and Coping Strategy

Risk type	Risk description	Coping strategy
Acute risk	Extreme weather events, such as floods, typhoons, drought, etc.	<p>The Company maintains the equipment and timely repairs the damaged equipment after extreme weather events;</p> <p>The Company strengthens management training for suppliers and establishes emergency plans under special circumstances;</p> <p>The Company improves the emergency response ability of staff, formulates emergency plans for extreme weather, and carries out regular emergency drills.</p>
Chronic risk	Continuous high temperature, drought, sea level rise, etc.	<p>The Company improves the emergency response ability of staff, formulates emergency plans for extreme weather, and carries out regular emergency drills;</p> <p>The Company integrates the concept of climate change risk management in the site selection, construction and operation process of infrastructure such as production bases, photovoltaic power stations and operation facilities. It strengthens the research and development of climate change technologies.</p>

### • Transformation Risk Identification and Coping Strategy

Risk type	Risk description	Coping strategy
Policy risk	The state publishes stricter policies and regulations to mitigate climate change; Exported photovoltaic products face product carbon footprint and other requirements.	The Company pays close attention to changes in international and domestic environmental and carbon-related laws, regulations and policies; The Company develops and implements carbon emission reduction strategy, focusing on global carbon tariffs and carbon footprint requirements.
Technical risk	With the rapid expansion of the global new energy industry, the requirements on power generation efficiency and stability of photovoltaic modules are becoming higher.	The Company increases investment in research and development, actively promotes industrial technical exchanges and cooperation, and cultivates more professional talents.
Market risk	The change in supply and demand relationship affects the rise of raw material prices; Reduced government subsidies lead to increased costs.	The Company establishes strategic cooperation with quality partners to stabilize prices; The Company improves product efficiency and continues to reduce costs and increase efficiency, enhancing market competitiveness.
Reputation risk	Stakeholders have stricter requirements on the Company's ESG performance and climate-related information disclosure.	The Company regularly disclose environmental information to continuously improve the quality of information disclosure; The Company keeps communication with stakeholders to build a good relationship.

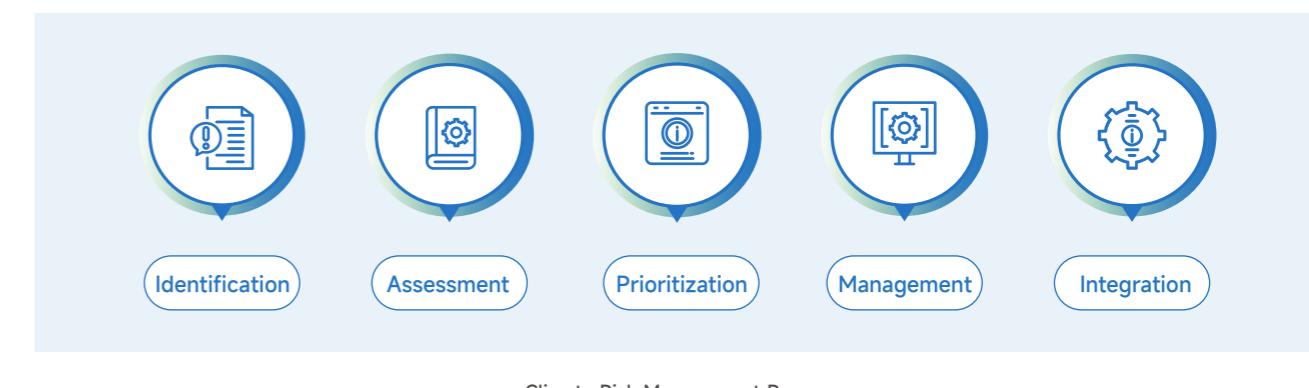
## Climate Opportunity Identification and Coping Strategy

### • Transformation Opportunity Identification and Coping Strategy

Opportunity type	Opportunity description	Coping strategy
Technical opportunity	The conversion efficiency of solar cells continues to improve. Accelerating technological iteration helps to adapt to the industry cycle.	The Company strengthens technology research and development, and optimizes the process, to constantly improve energy efficiency and to reduce product consumption per unit.
Market opportunity	Photovoltaic power generation is an important part of clean energy power. The market demand for green electricity will continue to increase, and the demand for solar cells and modules is also increasing.	The Company is dedicated to making the industry chain better and stronger to actively explore and layout the international market.

## Climate Risk Management

With continuous concern on climate change-related issues, Yingfa Ruineng strengthens the identification, assessment and management of climate-related risks. The Company actively explores corresponding actions and response strategies.



## Indicators and Goals

Yingfa Ruineng continues to promote the formulation of climate-related strategies and goals. The Company strengthens the disclosure of climate-related indicators (Scope 1, 2 and 3). With reference to the GB/T 32150-2015 General Guideline of the Greenhouse Gas Emissions Accounting and Reporting for Industrial Enterprises and the Guidelines for Accounting Methods and Reporting of Greenhouse Gas Emissions of Enterprises in Other Industrial Industries (Trial) issued by the National Development and Reform Commission, the Company carries out greenhouse gas inventory and obtains third-party verification statements.



### ● Greenhouse Gas Emission Data in 2024

Indicator	Unit	2023 Value	2024 Value
Total greenhouse gas emissions	tCO <sub>2</sub> e	1,882,914	2,636,379
Direct greenhouse gas emissions (Scope 1)	tCO <sub>2</sub> e	113.6	418.2
Indirect greenhouse gas emissions (Scope 2)	tCO <sub>2</sub> e	473.759	974,283
Other indirect greenhouse gas emissions (Scope 3)	tCO <sub>2</sub> e	1,409,036	1,661,678

In 2024, two business entities of Yingfa Ruineng obtained ISO 50001 energy management system certification.



Energy Management System Certification Certificates

## Resource Management

Yingfa Ruineng always practices the sustainable development concept of low energy consumption, low emission and recycling. Focusing on energy saving and consumption reduction and energy efficiency improvement, the Company supports the use of clean energy such as green electricity. The Company comprehensively promotes water resources management, to promote the effective combination of resource recycling and efficiency improvement.

## Energy Management

Positively shouldering corporate social responsibility, Yingfa Ruineng strives to build a green, low-carbon production and operation mode. Keenly aware of the importance of energy management for sustainable development, we constantly enhance energy management level in the Company. Setting up a three-level energy management framework, the Company comprehensively implements energy management responsibility system in production and operation. Actively responding to the national strategic call for energy transformation, the Company positively optimizes energy structure via China Certified Emission Reduction (CCER) to push forward green, low-carbon production and contribute to the national dual carbon goals. Focusing on increasing energy utilization efficiency in operation, we formulate related plans and goals yearly, and monitor its implementation progress. To achieve the energy utilization efficiency goals, we formulate interior energy policy with incentives for energy targets, set special award for energy conservation achievement, give reward to departments with remarkable energy conservation achievement and departments achieving key performance indexes in energy conservation, which stimulates departments' initiative for energy conservation and emission reduction, and effectively leads to significant reduction in energy consumption.

### ● Energy Consumption Performance in 2024

Indicator	Unit	2023 Value	2024 Value
Natural gas consumption	Standard cubic meter	35,390	53,306
Gas usage	Litre	12,101	8,509
Diesel usage	Litre	1,232	16,136
Purchased electricity	MWh	928,596	1,569,611

Purchased electricity: Yibin Yingfa Deyao Technology Co., Ltd., Yibin Yingfa Dekun Technology Co., Ltd., and PT BINTAN CELLULAR INDONESIA

Yingfa Ruineng promotes energy conservation and emission reduction measures such as process improvement, technical transformation and equipment upgrading. The Company has formulated internal documents such as Conservation Management System. It links the effectiveness of energy conservation with the assessment of economic responsibility system, and guides employees to actively participate in energy conservation and emission reduction, to improve energy efficiency.

Case

### Energy Saving Optimization of Factory Air Conditioning System

In 2024, Yingfa Ruineng conducted energy saving optimization and transformation of air conditioning and air pressure system. The Company realized energy saving and consumption reduction of central air conditioning system. It is expected that the Company can save 4.029 million kWh, with a comprehensive energy saving rate of about 15%, and an annual operating cost of RMB 2.78 million.



### ● Benefits of Energy Conservation and Emission Reduction Projects in 2024



#### Reduction of the frequency of exhaust air fan in the auxiliary room

It is expected that the Company can reduce annual power by 2,060,200 kWh; The energy consumption per unit of 10,000 cells is decreased by 0.0137MW/10,000 cells



#### Thermal insulation for workshop high-temperature exhaust pipes

It is expected that the Company can reduce annual power by 692,100 kWh; The energy consumption per unit of 10,000 cells is decreased by 0.0046MW/10,000 cells



#### Transformation of medium warm water to medium warm ice machine for cooling

Annual electricity savings reached 20.2 million kw.h/year in comprehensive energy consumption.



#### Replacement of low-resistance HEPA

It is expected that the Company can save 3,062,100 kWh of electricity per year

Case

### Project of Using Recyclable Heat Exhaust to Increases the Cooling Tower Pre-cooling

In September 2024, Yingfa Ruineng organized and implemented the Project of Using Recyclable Heat Exhaust to Increases the Cooling Tower Pre-cooling. By installing the pre-cold AHU, the Company reduced the recyclable air temperature of the heat exhaust in the workshop, reduced the load of the ice machine by the way of water pump circulation, and saved the electricity consumption. It is expected that the Company can achieve an annual electricity saving of 6.41 million kWh and save electricity cost of RMB 1.923 million.



The Company actively responds to the national energy structure adjustment strategy. It vigorously promotes the use of clean energy such as green electricity, and continuously increases the installed capacity of rooftop photovoltaic panels and the purchase volume of green electricity, to increase the use proportion of renewable energy.

### ● Clean Energy Performance in 2024

Indicator	Unit	2024 Value
Cumulative installed capacity of rooftop photovoltaic panels	MW	24.99
Annual rooftop photovoltaic power generation capacity	MWh	5,919

Case

## Case Study: Rooftop Photovoltaic Power Generation Project

In 2024, Yingfa Ruineng actively grasped the development opportunity of clean energy. The Company laid rooftop photovoltaic panels in Sichuan and Anhui bases. The Company connected a total of 37.89MW distributed photovoltaic power generation project to the grid at Yibin base. By these, the Company can achieve an annual power generation capacity of 33.4 million kWh, saving 9,360tce and reducing carbon dioxide emissions by 25,800 tons. The Company effectively adjusts the energy structure and practices environmental responsibility.



Rooftop Photovoltaic Panels of Yingfa Ruineng Yibin Base

## Water Resources Management

For Yingfa Ruineng, water resource management is not only an indispensable link in daily operation, but also an important cornerstone for our sustainable development and fulfillment of environmental protection responsibility. Thus, we are positively broadening diversified water channels by innovative plans of exploration and waste water recycling and reutilization to reduce dependence on natural water resources. Meanwhile, great efforts are made in undertaking water conservation projects from the aspects of optimizing production process, increasing equipment efficiency and cultivating staff's water conservation awareness to establish a system for efficient and cyclic utilization of water resources and promote green production. Strictly abiding *Water Law of the People's Republic of China*, we constantly improve production water management system in various plants, formulate monthly water utilization plan and set quarterly water resource management goals in the beginning of each year based on enterprise operation status. To better manage water resource utilization indexes, several wastewater recycling projects are consistently carried out to turn wastewater with potential burden on the environment into recyclable water resources.

### • Water Resources Management Performance

Indicator	Unit	2023 Value	2024 Value
Total water consumption	Ton	8,591,206	10,935,959

Tap water: Yibin Yingfa Deyao Technology Co., Ltd., Yibin Yingfa Dekun Technology Co., Ltd., and PT BINTAN CELLULAR INDONESIA

## Water Resources Management Objectives

The Company attaches great importance to water resources conservation and management. The Company establishes water resources management system to strictly manage the production water. The Company sets water saving goals according to the actual production and operation to promote the fine water management. The Company continuously reduces the total water consumption and water consumption intensity, realizing scientific water use.

### • Water-saving Goals of Yingfa Ruineng

Indicator	Unit	2024 Value
Decrease of cell water unit consumption	%	70
Water circulation utilization rate	%	46.84

## Water Conservation

Yingfa Ruineng actively carried out water-saving measures and regularly carried out pipe network investigation and water use analysis, preventing water running, emitting, dropping and leakage in production and operation. The Company explores wastewater treatment and reclaimed water recovery technology, improving the efficiency of water resources use and recovery.

Case

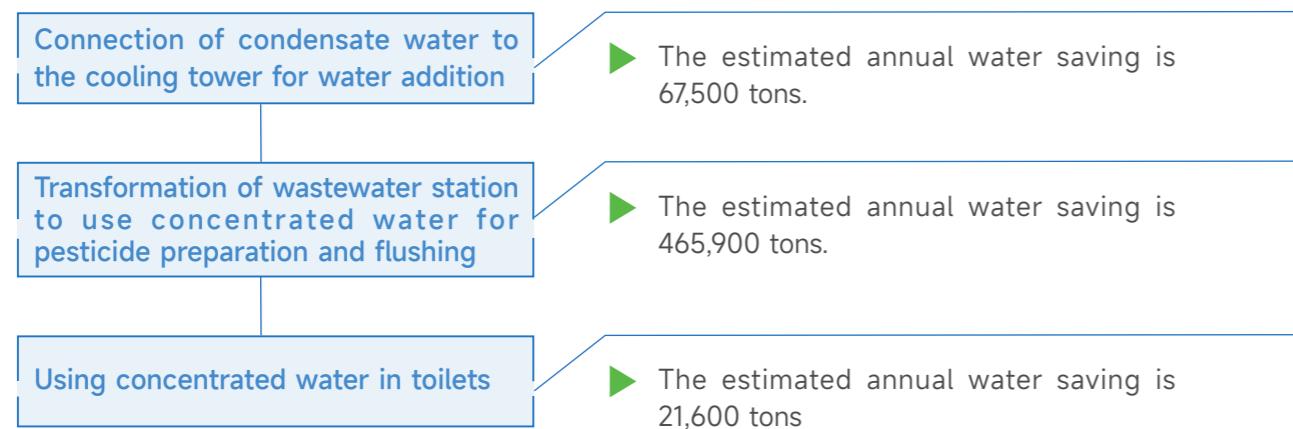
## Reuse of Cooling Tower Overflow Water into Waste Gas Tower Project

In 2024, Yingfa Ruineng carried out a cooling tower overflow water reuse and exhaust gas tower retrofit project, recovering wastewater generated by the cooling tower as a make-up water source for the tail gas tower. This achieved wastewater recycling, with an expected annual saving of 1.1 million tons of tap water, a reduction of RMB 2.7 million in water costs per year, and RMB 4.2 million in sewage discharge fees per year.



Cooling Tower for Recycling

### ● Benefits of Water Resources Conservation Project in 2024



## Resource Utilization

Yingfa Ruineng actively practices the green and low-carbon high quality development concept. The Company reduces and recycles packaging materials by packaging material recycling, which minimizes packaging waste impact on the environment and health. The Company reduces the harm of logistics to the environment by using the form of mixed delivery, and formed a modern symbiotic logistics system that promotes win-win economic and environmental outcomes.

### ● Resource Recycling Performance of Yingfa Ruineng

Indicator	Unit	2024 Value
Number of wooden pallets recovered	piece	8,262
Wooden pallet recovery proportion	%	19.28

Yingfa Ruineng continues to improve the recycling rate of packaging materials. When recycling self-use paper corner protectors, silicon wafer outer boxes, silicon wafer inner bladders (EPE), pallets and other materials, the Company saves resources and reduces its costs.



### Case

#### Wooden Pallet and Carton Recycling

The wooden pallets of the supplied crucibles were collected by PMC for loading single wafer rods after being turned over. The cartons of the supplied crucibles were recycled for transporting garbage and takeout materials in the production workshop.



Auxiliary Material Packaging



Wooden Pallet Recycling



Carton Recycling

### Case

#### Packaging Material Recycling

The packaging materials of square rods were totally recycled (including EPE and packing covers), which were used simultaneously in the pallets for the square rod turnover, and the plastic pallets were recycled continuously.



Packaging material recycling

Case	Mixed Pallet Shipping
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According to customer needs, Yingfa Ruineng set up a mixed delivery cost reduction project. The Company made reasonable use of space to control the maximum load of vehicles. The Company improved the loading and storage efficiency of goods, sped up the distribution speed of goods, and shortened the transportation cycle, reducing the transportation and packaging costs.



Mixed Pallet Shipping

#### ● Wastewater Management Performance of Yingfa Ruineng

Indicator	Unit	2023 Value	2024 Value
Total wastewater	Ton	7,019,464	9,087,473
COD discharge	Ton	478.86	270.42
Ammonia nitrogen emissions	Ton	77.24	56.27
Total nitrogen emissions	Ton	150.95	99.99
Fluoride emissions	Ton	31.45	31.91
Discharge of suspension	Ton	42.42	117.14
Total phosphorus emissions	Ton	3.06	1.49

## Pollutant Management

Yingfa Ruineng strictly abides by the laws on the discharge of sewage, waste gas and waste. The Company comprehensively strengthens the management of pollutants, and actively promoted various measures to strengthen the management of pollutants. In 2024, the Company carried out work in strict accordance with the requirements of the discharge permit. The Company discharged wastewater, waste gas, solid waste and other pollutants after they met the standards.

## Wastewater Management

Yingfa Ruineng has formulated and implemented the Wastewater Pollution Prevention and Control System and other internal system according to the Law of the People's Republic of China on Prevention and Control of Water Pollution. The Company adopts advanced wastewater treatment process to effectively treat wastewater in the production process. The Company conducts regular maintenance and upgrade of wastewater treatment facilities, to improve the efficiency of wastewater treatment, reduce the risk of environmental pollution, and ensure that wastewater is discharged after meeting the national and local discharge standards.

Case **Wastewater Discharge Reduction Transformation Project**

In 2024, the new MVR evaporation crystallization device of Yingfa Ruineng was used to recycle and treat the drainage of the whole plant coated waste gas washing tower (high-concentration ammonium sulfate wastewater). By reducing energy consumption per unit of hydrofluoric acid and hydrochloric acid, reducing tank liquid replacement frequency, and adjusting the tank layout, the Company reduced the wastewater production and discharge. The Company realized the average daily wastewater discharge under full production condition of about  $28,127\text{m}^3/\text{d}$  and the wastewater discharge per unit product dropped to  $0.375\text{m}^3/\text{kW}$ . The Company over-fulfilled the wastewater discharge reduction goal.



Wastewater Discharge Reduction Transformation Project

## Waste Gas Management

Yingfa Ruineng actively manages the emissions of atmospheric pollutants, reduces the negative impact of the atmospheric pollutants on the environment, and protects the ecological environment around the base. The Company strictly abides by the Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution and other laws and regulations. The Company implements the internal Waste Gas Pollution Prevention and Control System. It conducts classification monitoring and strict treatment for waste gas generated in each production link.

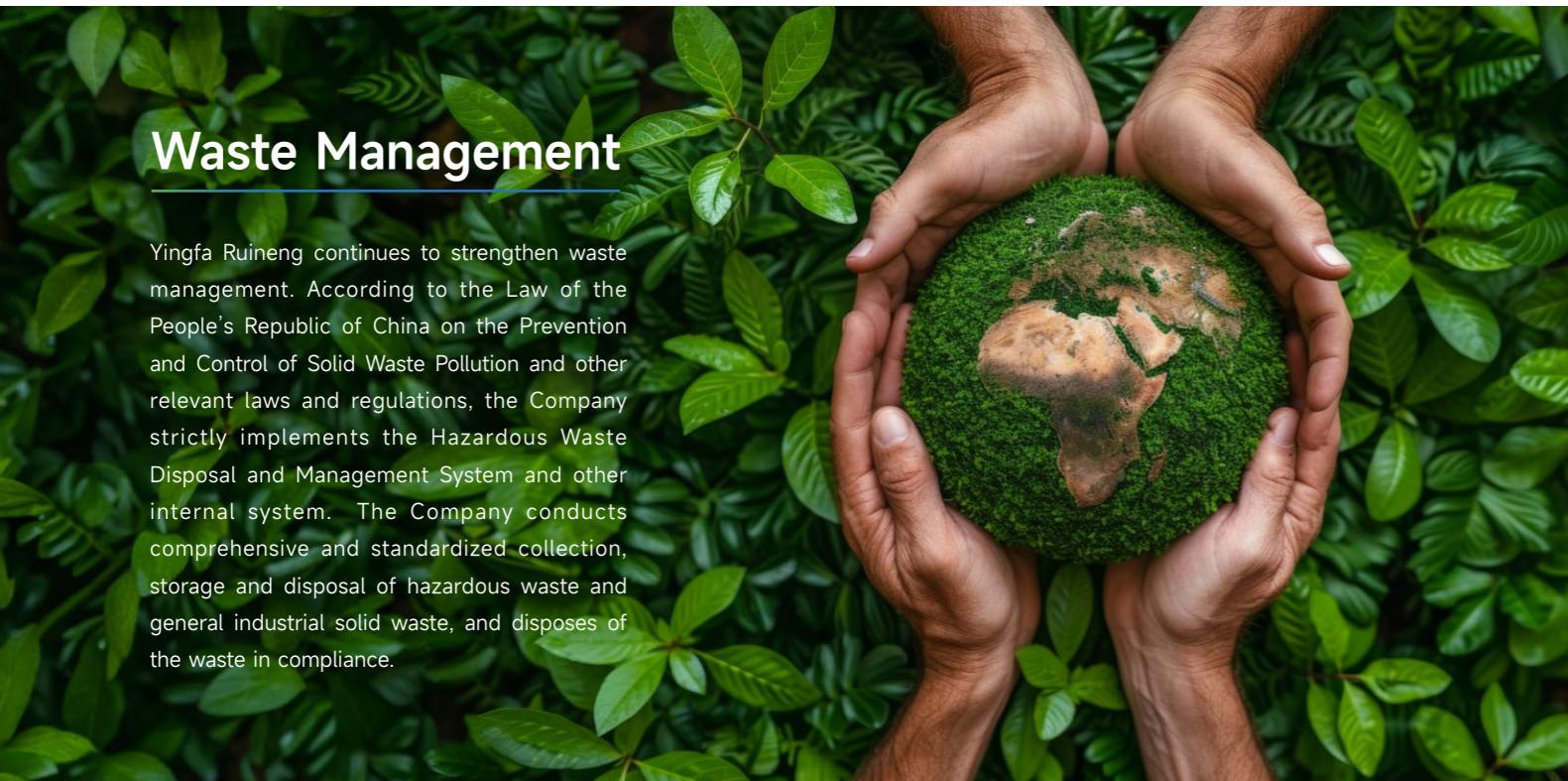
● **Waste Gas Management Performance of Yingfa Ruineng**

Indicator	Unit	2023 Value	2024 Value
Total waste gas emissions	Ton	15.25	26.15
Nitrogen oxides	Ton	5.47	7.83
Particulate matter (PM)	Ton	3.26	8.26
Non-methane hydrocarbons	Ton	6.52	10.06



## Waste Management

Yingfa Ruineng continues to strengthen waste management. According to the Law of the People's Republic of China on the Prevention and Control of Solid Waste Pollution and other relevant laws and regulations, the Company strictly implements the Hazardous Waste Disposal and Management System and other internal system. The Company conducts comprehensive and standardized collection, storage and disposal of hazardous waste and general industrial solid waste, and disposes of the waste in compliance.



### ● Hazardous Waste Management Performance of Yingfa Ruineng

Indicator	Unit	2023 Value	2024 Value
Total generation of hazardous waste generated	Ton	84.37	84.77
Among them: contaminated waste	Ton	3.35	5.59
Spent activated carbon	Ton	52.83	65.83
Online monitoring of waste liquid	Ton	1.46	0.73
Packing materials from waste gas absorption tower	Ton	8.37	4.91
Waste filter cartridges contaminated with chemical reagents	Ton	1.89	4.18
Others	Ton	16.48	3.52
Hazardous waste treatment rate	%	—	100

### ● General Waste Management Performance of Yingfa Ruineng

Indicator	Unit	2023 Value	2024 Value
Total generation of general waste generated (including total amount of non-hazardous waste)	Ton	32,334	34,339
Among them: calcium fluoride sludge	Ton	30961.48	31,488.43
Waste plastics	Ton	462.41	629.52
Waste wood	Ton	184.59	493.31
Waste paper	Ton	671.51	688.49
Waste iron	Ton	11.75	66.03
Silane powder	Ton	0	0
General waste treatment rate	%	—	100%



Hazardous Waste Storage Partition Identification

Hazardous Waste Pollution Prevention and Control Responsibility Information Disclosure Column

In response to the global call of low-carbon, the Company actively develops and produces environmentally friendly low-carbon products. The Company promotes the application of green concept in the whole life cycle of products, and continues to promote the photovoltaic industry towards the road of green development. In 2024, the cell products produced by the Company successfully obtained the French Carbon Footprint PPE 2 Certificate.



French Carbon Footprint PPE 2 Certificate

## Green Action

Yingfa Ruineng always implements the concept that "lucid waters and lush mountains are invaluable assets". By actively exploring green manufacturing and low-carbon products, advocating the implementation of green office and strengthening the green awareness of employees, the Company contributes to the realization of sustainable development and the construction of a beautiful China.

## Low-carbon Products



Solar Cell Production Workshop of Yingfa Yingfa Ruineng

Yingfa Ruineng integrates the concept of low carbon and environmental protection into product design. The Company constantly increases the investment in green technology research and development and application to meet the market demand for green, low-carbon and efficient photovoltaic products. The Company attaches the bright "green, environmental protection and sustainable" label for its cell products.

The Company focuses on the manufacturing of high-efficiency photovoltaic cells, and continues to deliver green energy for the global energy transformation. In the past three years, its cumulative shipment of cells has reached 37GW, which can output 13.4 billion kWh of clean power, save 1.65 million tel, and reduce carbon dioxide by 6.3 million tons.

## Green Factory

As a leading enterprise in the photovoltaic industry, Yingfa Ruineng has always been committed to building a green and smart factory to promote the sustainable development of the industry. In 2024, Yingfa Ruineng invested in the construction of the global green energy headquarters in Jiangbei New Area, Nanjing, to build an integrated research and production project of hydrogen and photovoltaic storage charging, electronic manufacturing and landscape, setting a benchmark for the sustainable development of photovoltaic industry.



Start Site of Integrated Research and Production Project of Hydrogen and Photovoltaic Storage Charging, Electronic Manufacturing and Landscape

## Green Office

In response to the national call for energy conservation and emission reduction, Yingfa Ruineng promotes green and low-carbon development, reduces enterprise operating costs, and improves the efficiency of resource utilization. The Company has issued an Energy Conservation and Emission Reduction Proposal to All Employees, which advocates all employees to strengthen the awareness of conservation, put an end to extravagance and waste, and create a low-carbon and environmentally friendly green office atmosphere.

### Green Office Performance

Indicator	Unit	2024 Value
Office paper	Ton	5.05
Saved office paper	Ton	0.1
Produced household garbage	Ton	825
Produced kitchen garbage	Ton	90
New energy official vehicles	Vehicle	5
Proportion of new energy official vehicles	%	62.50

### Green Office Initiatives

#### Power saving

Make full use of natural light, set the air conditioning temperature reasonably, turn off the lights and air conditioning timely after work; reduce the use of large conference rooms, and turn off the equipment, lights and air conditioning when leaving.

#### Green office

Implement electronic office to reduce unnecessary printing and copying; office paper should be used after application; non-important documents shall be subject to double-sided printing and color printing shall be avoided as much as possible.

#### Water saving

Control water flow and turn off the faucet in time; conference water is only for important reception and employees shall not drink it privately.

#### Low-carbon travel

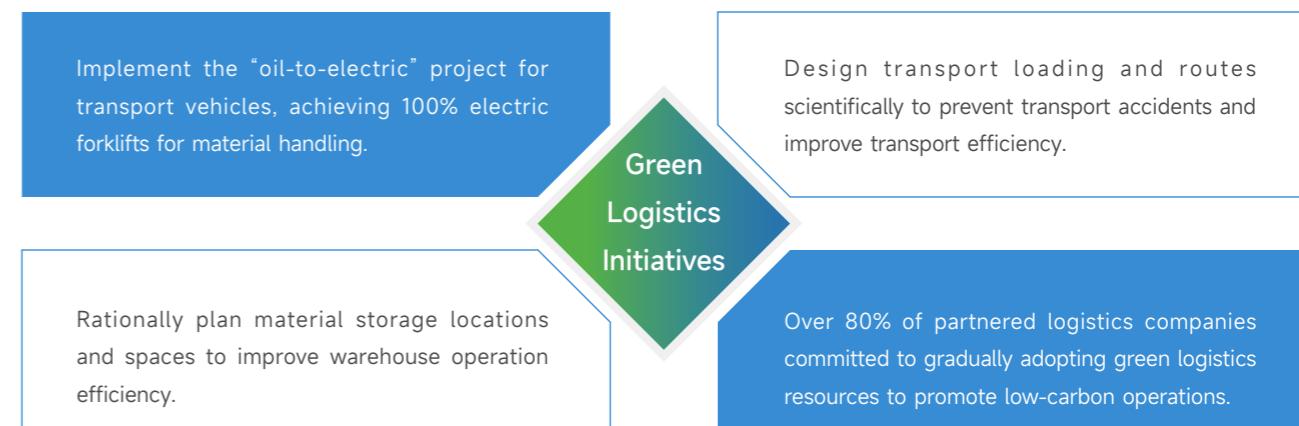
Open commuter buses and advocate the staff to travel by bus; the Company is equipped with three new energy office vehicles.

#### Garbage classification

Set enough garbage classification collection containers in densely populated areas such as dormitory, canteen and office area, and mark garbage classification labels; collection containers are cleaned and disinfected regularly and kept hygienic.

## Green Logistics

Yingfa Ruineng actively carries out the practice of green logistics. Through optimizing the logistics process, adopting environmental protection technology and equipment, promoting the green transportation mode, and reasonably selecting the warehouse location, the Company shortens the transportation mileage and reduces the transportation costs. In addition, the Company jointly promotes the construction of green logistics with suppliers.



## Environmental Protection Public Welfare

Yingfa Ruineng actively organizes and carries out environmental protection public welfare activities. The Company increases the intensity of publicity and implementation of environmental protection concepts to enhance the environmental awareness of employees and all walks of life. The Company promotes the dissemination and practice of green and low-carbon concepts, and practice the green concept with practical actions.

### Case

#### Voluntary Tree-planting Theme Activity

In March 2024, Yingfa Ruineng organized a voluntary tree-planting theme activity. Through this activity, the Company strengthened the collaborative spirit of enterprise teamwork, improved the enthusiasm of enterprise employees to participate in "Loving and Protecting Green", and rooted the concept of "Planting trees for green, low-carbon, environmental protection, ecological harmony and green growth in everyone's heart. The Company contributed to improving the ecological environment and building a green home.



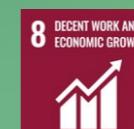
Voluntary Tree-planting Theme Activity of Yingfa Ruineng



# Focus on Corporate Responsibility for Win-win

Yingfa Ruineng adopts a people-centered approach and resolutely implements management responsibilities in production safety and data safety to effectively guard customers' rights and provide high-quality products and services. By actively absorbing resources of all parties to build up a sustainable industrial chain, the Company joins hands with all stakeholders to create a good future.

## Responses to UN SDGs

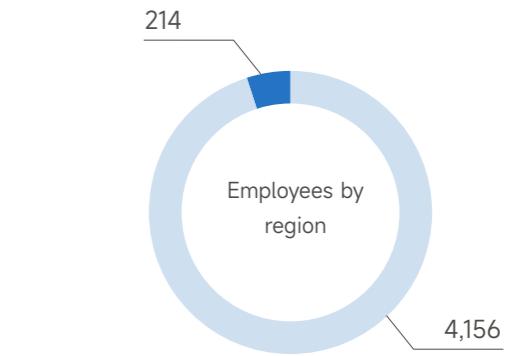
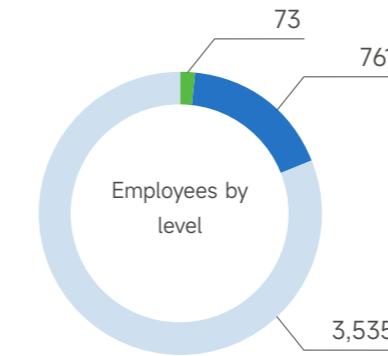
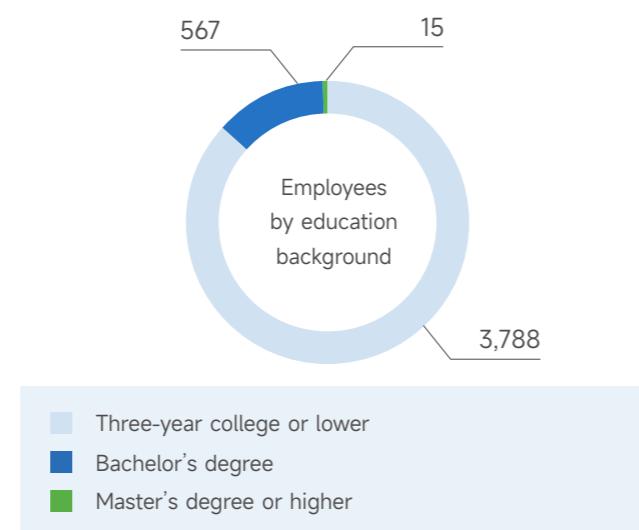
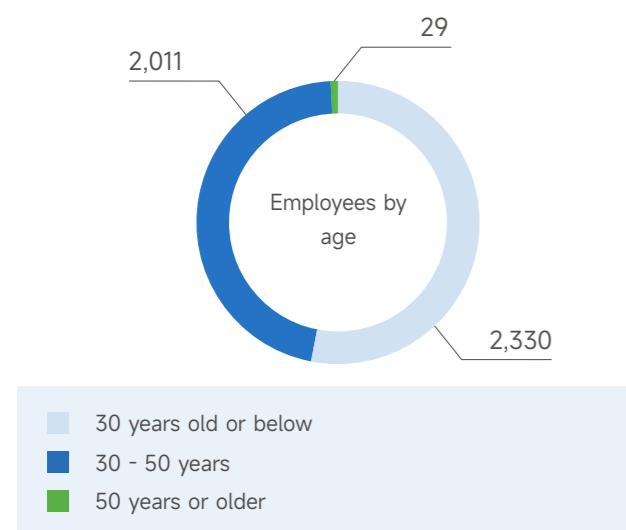
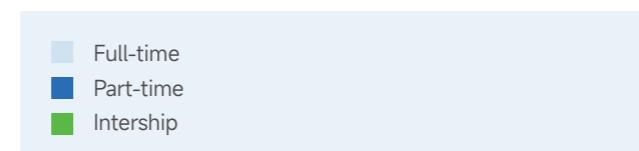
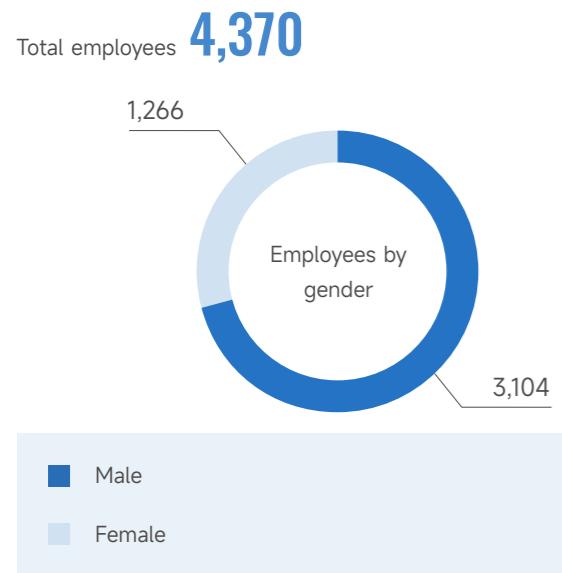


# Employee Rights and Benefits

## Employment Management

Yingfa Ruineng strictly follows national laws and regulations such as Labor Law of the People's Republic of China and Labor Contract Law of the People's Republic of China and formulates employment management measures for internal employees, for instance, Regulations for Recruitment Management. Abiding by principles of fairness, equality, diversity and non-enforcement, the Company has no discrimination over religious faith, family or disease, and there is no employment of child labor and forced labor.

### Staff composition



Yingfa Ruineng establishes a perfect employee benefit protection system, pays various social insurances and housing provident fund for employees, and provides paid annual leave for all employees as well as maternity leave, breastfeeding leave for female employees. Meanwhile, a flexible salary distribution mechanism aligned with management benefit and personal job performance is established based on considerations for official rank and employees' career development channel to effectively motivate employees and increase their job enthusiasm.



## Employee Training

Yingfa Ruineng makes continuous efforts to build a sound talent team training mechanism covering five modules of induction training, rookie training, job foreman training, engineer training and supervisor training to provide hierarchical, systematic training. Multidimensional capabilities are trained through practice to achieve problem solution and management ability enhancement.

### Employee training system



In 2024, the Company trained **37** internal lecturers and gave lectures on **34** courses. **2,308** trainings were provided, attracting **11** trainees and totaling **10.5** training hours. **523** high-potential talents were provided via the talent pool and **424** front-line employees participated in the First Employee Skill Competition.

### Employee Training Performance of Yingfa Ruineng

Indicator	Unit	2024 Value
Total training sessions	/	2,308
Total training participations	10k	11
Total training durations	10k Hours	10.5

## Employee Care

With persistent care for employees, the Company grants consolation payments for those with major diseases and family financial difficulties. Internal donations will be organized for those in severe distress.



Consolation to Employees

## Employee Activities

Diverse employee activities are held monthly, including sports competition, hiking and speech contest. On the occasion of major holidays such as Spring Festival, Labor Day, Mid-Autumn Festival and Dragon Boat Festival, the Company organizes festival activities and offers holiday benefits.

Case

## Meeting with the President

In March 2024, the Yibin Base in Sichuan witnessed the cerebration of two-year anniversary of founding as well as the meeting with the President in the activity titled "Yingfa News Broadcasting". Surrounding topics of "communication barrier removal, cultural cohesion, happiness co-creation", the management team led by President Min had thorough discussions with new and old employees from various centers and workshops. President Min answered questions regarding employee promotion, cost reduction, benefit increase and cultural construction, and put forward three management requirements, namely "high quality, high efficiency, coordination", "perfect talent training mechanism" and "enrichment of employee activities". In the session of "personal value" sharing, President Min took dual perspectives of professional manager and entrepreneur to analyze subjects of sentiment management, pressure relief, balance between family and career, conveying his ideas of "self-growth via diligence, altruism for joint development".

In the special session of "Journey of Two-year Anniversary", the management team looked back the base construction process changing from barren mountain to smart plant, from PERC 23.7% to TOPCON 26.61% in efficiency breakthrough, and from 4.0 to 5.0 upgrade in smart manufacturing, demonstrating Yingfa's spirits of "Diligence and Integrity, Dream Creation". In the face of intensified challenges in homogeneous competition, Yingfa defined its dual-track strategy of "smart manufacturing for cost reduction" and "technological innovation for benefit increase", driving the company's high-quality development via cultural cohesion and strategic force.



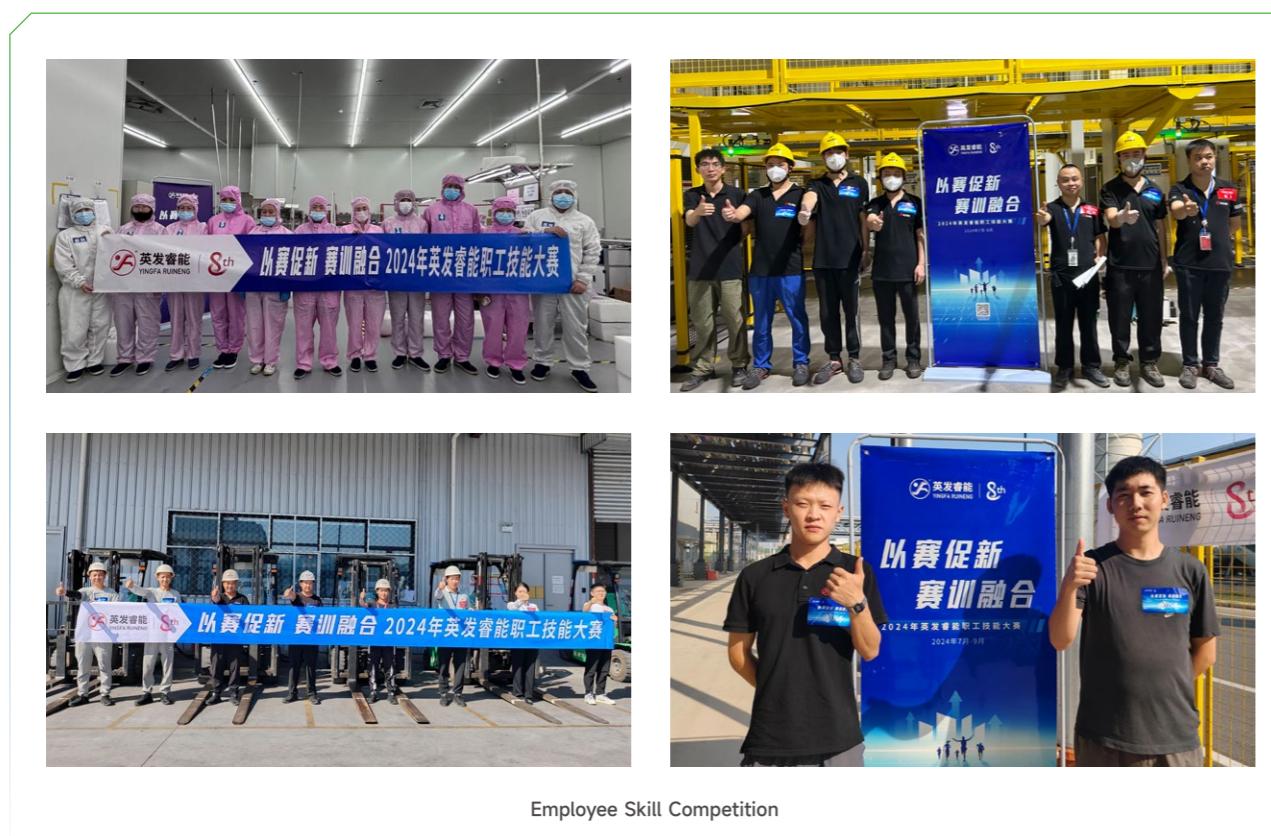
Photo of Meeting with the President



Annual Meeting



Spring Hiking Activity



# Safety Management

## Production Safety

### • Safety Production System

Resolutely implementing EHS management principles, the Company sets up Safety Production Committee to constantly improve safety production management system and strictly practice safety production responsibilities. In 2024, the Company refined Safety Production Responsibility System based on the existing safety production management system to clarify safety production roles for administrative personnel and operation personnel at all levels. Hazardous operation management system was improved to eradicate, reduce safety production accidents. In 2024, the Company achieved the goals of zero major EHS responsibility accident, zero fire disaster, zero occupational disease or occupational health hazard.

By setting up routine mechanisms for safety training, safety hazard investigation and safety emergency drill, the Company formulates and implements various safety production measures.

### • Routine safety management mechanism

#### Safety production month

The department heads took oath before the General Manager and employees took oath before the department heads in the emergency drill. Also, fire protection competition was held.

#### Safety training

Monthly, the safety and environment protection department provides special safety training on the safety officers, as well as three-level safety education on new employees.

#### Safety inspection

The General Manager leads teams in safety inspection weekly, while production department and safety and environment protection department perform safety inspections on a daily basis.

### • Emergency Management Mechanism

ERT Management System was introduced to strengthen standardized construction and management of the emergency team and enhance various departments' regularity, timeliness and effectiveness in emergency response and handling. Safety management systems including Reward System for Safety Hazard Report and Whistle-blowing were improved to strengthen safety management, eradicate "three violations" and reduce accidents, thus guaranteeing stable and orderly corporate production and operation.

In 2024, the Company actively carried out safety hazard investigations and emergency drill activities to lower safety risks.

**136** safety hazard investigations were conducted and **121** safety emergency drills with **4,700** participants were organized. No safety responsibility accident occurred in the year.

● Yingfa Ruineng's Safety Production Performance

Indicator	Unit	2024
Work deaths	/	0
Lost workdays due to work injuries	Day	215
Number of recordable accidents and events	/	9
Number of production accidents	/	7
Number of safety emergency drills	/	121
Number of safety emergency drill participants	/	4,700
Number of safety hazard investigations	/	136
Number of safety hazard investigations and rectifications	/	4,168
Safety hazard rectification rate	%	99
Number of occurred safety responsibility accidents	/	0

Case Activity of Safety Production Month

During the safety production month in June 2024, Yingfa Dekun held safety publicity and implementation activities under the themes of "safety concern for every individual, emergency capability as a must for every person, and smooth life channel". The department organized all staff to systematically learn 2024 policy requirements of the State Council for safety month, combed development course of safety month and its previous themes, and strengthened employee safety awareness, safety redline management, industry ban and emergency skill training. The activity covered theoretical learning of safety knowledge and development of practical operation capabilities, and ended with the staff's oath, namely, "safety concern for sixth seconds throughout every minute on the job". By leveraging multi-dimensional safety education systems, the activity prompted employees to change from "passive compliance" to "positive practice" and strengthened the foundation for safety management at the basic level, providing effective support for establishing long-term safety production mechanism and guaranteeing high-quality corporate development.



Case

Closed-loop Management System for Safety Supervision

In the "three-layered, closed-loop control" safety supervision system set up by Yingfa Dekun, the Base General Manager takes the lead in comprehensive monthly investigation, the production department heads organize special weekly investigations, and the safety and environment protection department joins hands with safety officers to carry out daily patrols and key examinations before holidays, thus covering units of month, week, day and pre-holiday periods. The hidden danger data is uniformly collected by the safety and environment protection department, which is then sent to the local departments for time-limited rectifications. A closed-loop is formed after the review and confirmation of rectification results. Through layered implementation of responsibilities and dynamic tracking of hidden danger management, the system allows "complete and thorough" safety management to effectively increase safety level, which provides a systematic guarantee for the company to consolidate defense line for safety production, thus achieving sustainable operation.



● Occupational Health Management

In strict accordance with Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, Yingfa Ruineng formulates Occupational Health Management System with a view to improving employee health. In addition to annual occupational health examinations, the Company buys safety production insurance for employees. All the bases put into production have passed the ISO 45001 occupational health safety management system certification, thus allowing employees to work in safe and reliable environment.

- Yingfa Ruineng's Occupational Health Management Performance

Indicator	Unit	2024
Annual incidence rate of occupational disease	%	0
Number of employees receiving occupational disease examinations	/	3,103
Number of employees identified with occupational diseases	/	0
Number of employees identified with occupational contraindications	/	32
Coverage rate of occupational health examinations (among occupation hazard positions)	%	100
Project coverage rate of environment impact assessment	%	100
Number of incurred environmental violations	/	0
Number of incurred environment emergencies	/	0
Environmental emergency drills	/	8
Participations in the environmental emergency drills	/	81
Environmental hidden danger investigations	/	110

## Data Safety

Yingfa Ruineng values customers' rights and interests and privacy management. It is clearly required in Order Assessment Management Rule that confidential agreement should be signed with customers to inform customers of usage scope of their information, and that the collected customer information should not be used beyond the original authorized scope of the customer. In addition, it is guaranteed through access control that only customer business-related personnel are authorized to view relevant customer information, thus maximally protect customers' rights and interests and privacy information.



## Products and Customers

Dedicated to providing customers with high-quality products and services, Yingfa Ruineng improves quality management organization structure, and formulates over one hundred product quality management measures to further standardize product quality management process. In 2024, the Company product quality gained wide recognition from the customers.

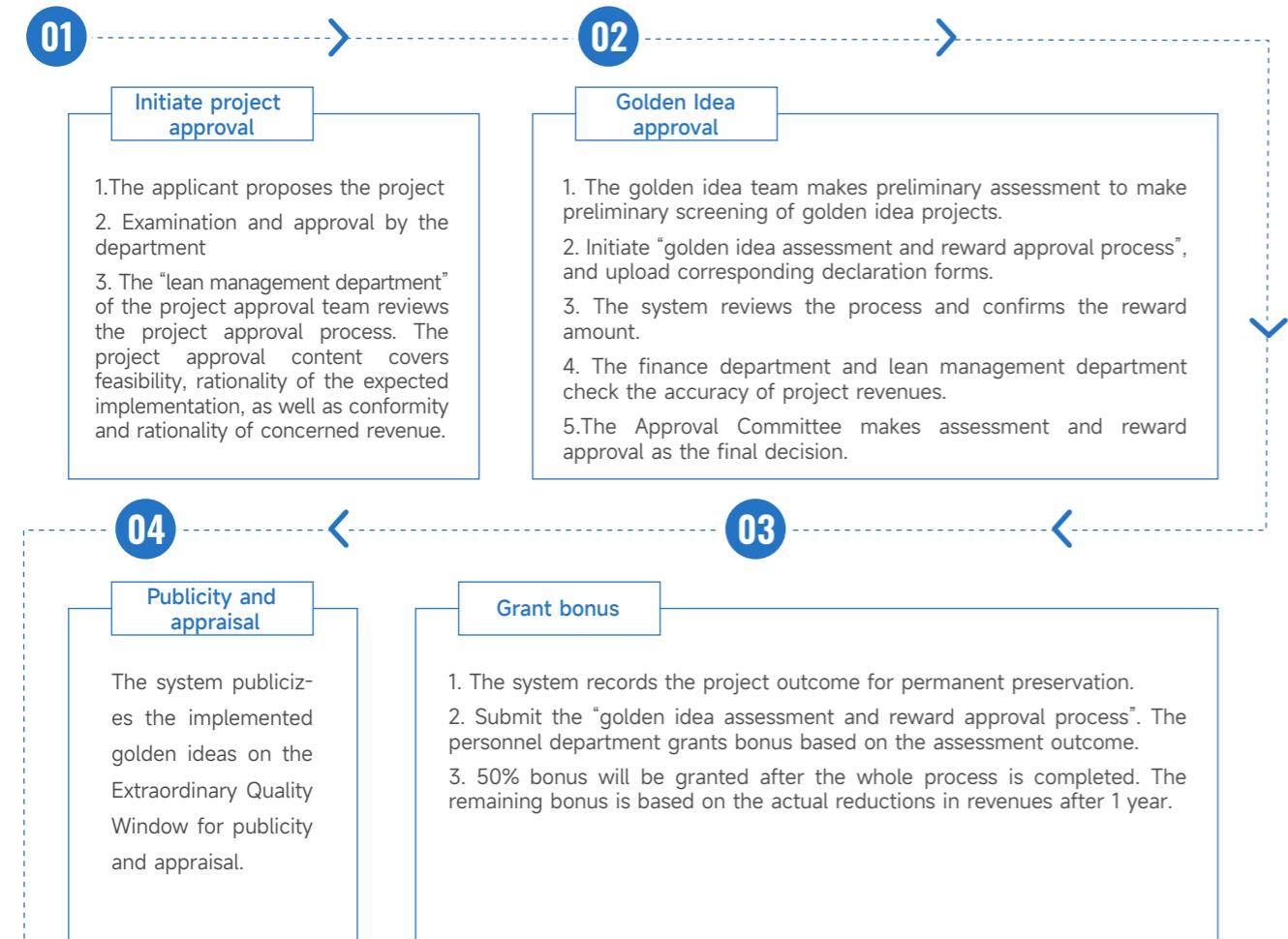
## Product Quality Management

Adhering to the quality principles of diligence and integrity, customer-first, reputation-based and constant improvement, the Company builds quality barriers through full-process management and control system. In strict accordance with the certification requirements in ISO 9001 quality management system, the Company forms closed-loop quality management by formulating 17 core systems including Product Inspection Control Procedure, Non-conformity Control Procedure to strictly implement preventive management and correction measures and establish an accurate management system covering the process from entry of raw materials to after-sale traceability.



With continuous efforts to improve process mechanism management, the Company introduces Golden Idea Management Measures into daily work to prompt product quality improvement. Employees are motivated by project reward to enhance enthusiasm for better quality and higher efficiency. In 2024, 360,000 RMB was granted to reward golden ideas.

### ● Golden Idea Management Process



The Company sets up strict requirements for solar cells materials, achieving 100% conformity rate for incoming materials and 100% acceptance rate in review by customers and third-party institutions. Its solar cell products successfully passed the international authoritative TÜV NORD certification and all the bases put into production have achieved full coverage of certification by ISO 9001 quality management system. Thus, we demonstrate our persistent pursuit of extraordinary quality with quality acceptable across the world.

### ● Yingfa Ruineng's Quality Management Performance

Indicator	Unit	2024
Conformity rate of incoming materials	%	100
Rate of acceptance by customers/institutions	%	100

Meanwhile, the Company makes consistent efforts to establish and improve the safeguard mechanisms covering all processes including product inspection, exception handling and customer complaint response. In particular, layered response mechanism is set up for exception events and standardized process is designed for customer complaint and recall to ensure 100% traceability of product safety risks, and 100% closed-loop handling of quality incidents. In this way, we are able to constantly meet customer needs and regulatory requirements with execution force above the industrial standard.



Yingfa Dekun's ISO9001 Quality Management System Certification Certificate

## Protection of Customer Rights and Interests

Adhering to the service concepts of “extraordinary service, commitment, customer service and self-achievement”, the Company abides by the four major requirements for customer service and builds a customer-centered “triangle” framework. Customer satisfaction surveys are regularly held, with core customers giving a satisfaction score of  $\geq 97$  points. In addition, an efficient feedback mechanism is created for customer complaints. For exceptional customer complaints, temporary schemes are hammered out within 2 hours, arrival to the scene is made within 24 hours, analysis outcome and improvement measures are provided with 3 days, significant improvement is achieved within 7 days, cases are totally settled within 15 days and major customer complaints are settled within 30 days.



### ● Ten Major Requirements for Customer Service

Concept	Serving customers is the only reason why we exist.	Initiative	Plan ahead and take the initiative in serving customers.
Attitude	Take a service mindset in honest and efficient communication.	Speed	Provide fast response and accomplish the mission despite great challenges.
Quality	Guarantee both quality and quantity in fulfilling service commitment.	Depth	Empathize customers and solve their pain points in demand.
Professionalism	Improve oneself to provide customers with professional support.	Virtues	Equality, respect, self-restraint and self-examination.
Integrity	Adhere to principles, and stay committed to the company.	Bottom line	Zero complaint, positive improvement.

### • Measures for Improving Customer Service

#### Set up working group

We set up pre-sale, in-sale, after-sale working groups for optimization of product process. Meanwhile, abnormalities are regularly reviewed to sum up experiences and lessons for customer satisfaction.

#### Strengthen customer service team construction

To shorten service response time, after-sale team responds within 2 hours and arrives at the customer site within 24 hours. Also, training is provided to develop their professional skills. The customer service department makes regular visits to maintain customer relation, has face-to-face communications with customers to grasp our shortcomings and business competitors' performance, thus effectively improving product quality and after-sale service.

#### Strengthen personalized service level

Data analysis enables us to thoroughly understand particular requirements of different customer groups. On this basis, customized service options are provided to adjust service contents according to different customers' needs, thus improving their exclusive service.

#### Concern for customer health and safety

Health and safety always remain as our top priority among all service processes. The most strict industrial standards and health regulations are obeyed in both product manufacturing and service implementation to ensure customer satisfaction.

#### Case Improvement of Poor Appearance

In the first half of 2024, silicon wafers had a conformity rate of 71.8% in incoming inspection, which seriously impaired customer satisfaction. Regarding this, the Company arranged personnel to perform random inspections on slices in OEM factory and record, feed back the random inspection findings. By optimizing production links and strengthening employee training, the conformity rate in incoming inspection of silicon wafers increased from 71.8% to 98.73%, thus effectively enhancing customer satisfaction.

#### Conformity rate in incoming inspection



## Supply Chain Management

Attaching great importance to supply chain management, Yingfa Ruineng pushes forward directional product traceability management to consistently increase supply chain stability. Also, the Company holds regular technical exchanges and trainings with suppliers, and makes concerted efforts with supply chain enterprises for common development.

### Supply Chain Management

Yingfa Ruineng makes consistent efforts in building responsible supply chain, perfects management systems and organization structure, identifies potential risks in the supply chain and formulates coping measures. A strict management system is launched for the access, examination and withdrawal of suppliers to enable hierarchical supplier management. Behavior standard agreement is signed with 100% core suppliers and new suppliers to effectively lower exposure to supply chain risks.

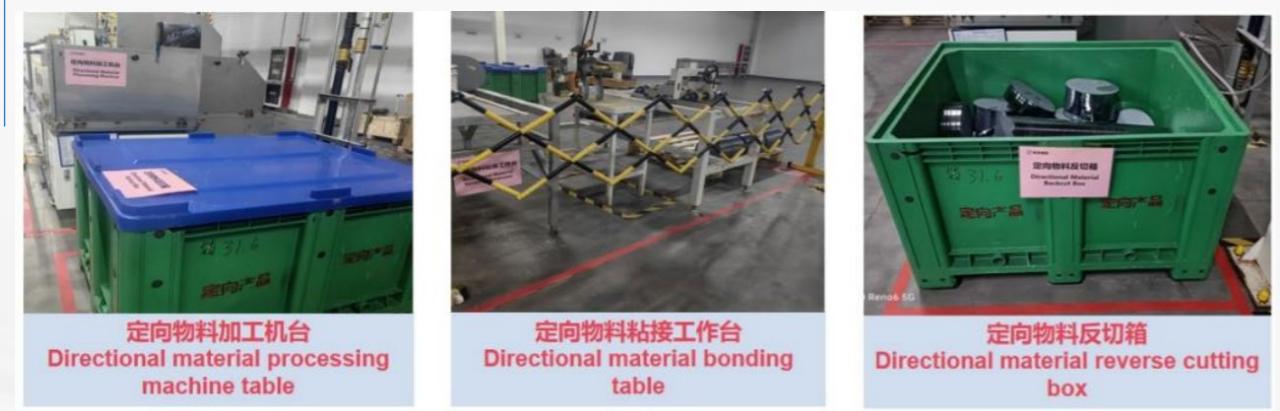
#### • General information of Yingfa Ruineng's suppliers

Indicator	Unit	2024
Total number of suppliers	/	754
Including: Number of domestic suppliers	/	745
Number of Hong Kong, Macao, Taiwan and overseas suppliers	/	9
Number of important or core suppliers	/	147
Number of new suppliers in the year	/	260
Supplier response rate in communication	%	100.00
Number of suppliers which have signed behavior standard agreement	/	649
Percentage of suppliers which have signed behavior standard agreement	%	86.07
Percentage of core suppliers which have signed behavior standard agreement	%	100.00
Percentage of new suppliers in the year which have signed behavior standard agreement	%	100.00
Number of suppliers eliminated due to violations of behavior standard	/	0

## Material Traceability Management

The Company makes persistent efforts to push forward supplier traceability management to guarantee quality reliability of supplied materials. In September 2024, to enable directional product traceability, the Company successively formulated 6 production documents including Provisions for Traceability Management of Directional Materials, Operation Instructions for Directional Production Directional traceability information framework was built to create a traceability system. A task force was created for supply chain traceability to trace every process of the directional material through ERP/MES information system and prevent artificial tampering. Also, consistent improvements are made to meet requirements of overseas markets and customers.

The Company regularly examines and verifies the implementation status of internal whole-process directional traceability of suppliers/companies to guarantee suitability/conformity. Customized color marking, order number, crystal rod number and packing list are made in bilingual languages at the production site to synchronize markings and records in the production process.



In 2024, the Company launched conflict mineral management over **260** upstream suppliers, achieving the goal of utilizing **0** conflict mineral and making **0** revenue in conflict mineral products.

Indicator	Unit	2024
Number of suppliers receiving conflict mineral investigations	/	380
Coverage rate of conflict mineral investigations among core suppliers	%	100.00
Coverage rate of conflict mineral investigations among new suppliers in the year	%	100.00
Percentage of suppliers which have signed letter of commitment on conflict minerals	%	86.07
Percentage of core suppliers which have signed letter of commitment on conflict minerals	%	100.00
Percentage of new suppliers in the year which have signed letter of commitment on conflict minerals	%	100.00

## Supplier ESG Management

The Company persistently leverages the impact of core enterprises in the industrial chain on suppliers, and stipulates the terms in the contract regarding suppliers' environment protection, safety, human rights and labor to enhance internal ESG management of suppliers. In 2024, 16.18%, 29.71% and 16.05% suppliers passed ISO14001 environment management system certification, ISO9001 quality management system certification and ISO45001 occupational health safety management system certification, respectively. Moreover, CSR examination was carried out among 36.05% core suppliers to constantly increase supplier ESG management efficiency.

### Yingfa Ruineng's Supplier Training Performance

Indicator	Unit	2024
Number of suppliers which have passed ISO14001 environment management system certification	/	122
Number of suppliers which have passed ISO9001 quality management system certification	/	224
Number of suppliers which have passed ISO45001 occupational health safety management system certification	/	121
Percentage of suppliers which have passed ISO14001 environment management system certification	%	16.18
Percentage of suppliers which have passed ISO9001 quality management system certification	%	29.71
Percentage of suppliers which have passed ISO45001 occupational health safety management system certification	%	16.05
Number of suppliers receiving CSR examination	/	53
Percentage of suppliers receiving CSR examination	%	7.03
CSR examination coverage rate of core suppliers	%	36.05
CSR examination coverage rate of new suppliers in the year	%	20.38

## Social Benefit

Devoted to public welfare, Yingfa Ruineng promotes social harmony with “entrepreneurial warmth” and pursues the value of “charity-oriented business” in practice. By reinforcing the bonding role of communities via public welfare actions, the Company effectively gathers resources and advocates social benefit activities among the public to jointly build a vision of a good life.

Case

Donation to Xuzhou District Teenager and Children Assistance Fund

On January 23, 2024, the eve of Spring Festival, Yibin Yingfa Deyao Technology Co., Ltd donated 30,000 RMB as public welfare fund to Xuzhou District Teenager and Children Assistance Fund, which would be used to subsidize impoverished children's school supplies, daily necessities and psychological counseling. At the donation ceremony, the enterprise representatives stressed that teenager growth related to the future of the society, conveying the concept of “running business with responsibility, engaging in public welfare as way of self-development”.

Leaders of Xuzhou District highly recognized the practical value of the action in perfecting children's growth environment, and praised the company for building a model in “charity-oriented business”. Centered on “warm assistance”, the activity accurately aligned fund with resources, demonstrating Yingfa Deyao's role in fulfilling social responsibilities. Moreover, by motivating the government and public forces, the activity built a support network linking “government, enterprise and society” for teenagers' all-round development, thus contributing to regional people's wellbeing and social harmony.

中国农业银行		账户交易明细			
凭证号: 00000000		交易时间: 2024-01-26 13:20:04			
付款方		日志号: 389731901			
户名	宜宾英发德耀科技有限公司	收款方	户名	宜宾市叙州区慈善总会	
账号	22-475301040013987		账号	88150120059569944	
开户行	中国农业银行股份有限公司叙州支行		开户行	宜宾农村商业银行股份有限公司	
金额	小写 30,000.00				
	大写 叁万元整				
币种	人民币				
受理渠道	网上银行				
摘要	转取		企业自制凭证号		
交易用途	宜宾市叙州区青少年儿童暖心帮扶基金。				
重要提示:此明细可重复打印,请注意核对,勿重复记账					

Case

Greeting Activity on Double Ninth Festival

On October 10, 2024, the eve of Double Ninth Festival, Yingfa Deyao donated 6,000 RMB to Xuzhou District High-tech Community as public welfare fund, which would be used to purchase greeting gifts and organize activities for the elders. The company representatives had in-depth discussions with community elders to show concern for their living health and send holiday wishes. The affectionate interactions at the site demonstrated the traditional virtue of “respect for the elders”.



Case

Donations to Yeshan Town Elderly Care Service Center

On May 17, 2024, Yingfa Ruineng donated living materials worth 11,568 RMB to Yeshan Town Elderly Care Service Center as a greeting to the elders. The enterprise representatives went into nursing institutions to donate materials, listen to the elders' views and show concern for their health. By meeting the elders' living needs, the Company practiced the traditional filial piety culture with actual deeds, thus demonstrating the synchronization between “charity-oriented business” and people's wellbeing.



## Future Outlook

Yingfa Ruineng has always committed itself to the vision of "Making Clean and Green Energy Affordable and Accessible for Everyone". Looking back on 2024, the Company actively explored and forged ahead in the field of ESG, made constant breakthrough, and achieved something from nothing. In the future, the Company will continue to make great strides on the green and low-carbon road. Driven by innovation and based on integrity, the Company will work with its partners to make clean and green new energy products benefit more people, and realize the deep integration and win-win development of enterprises with the environment and society!



## Appendix I: SEHK ESG Guidelines Index

Aspects	Content	Section in this Report
<b>Part B: Mandatory Disclosure Requirements</b>		
Board Statement	Message from the Chairman	
Materiality	ESG Assurance Report	
Quantitative	ESG Assurance Report	
Consistency	ESG Assurance Report	
Scope of Reporting	About This Report	
<b>Part C: "Comply or explain" Provisions</b>		
Environmental		
Aspect A1: Emissions		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Pollutant Management
A1.1	The types of emissions and respective emissions data.	Pollutant Management
A1.2	[Repealed 1 January 2025]	
A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Pollutant Management
A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Pollutant Management
A1.5	Description of emission target(s) set and steps taken to achieve them.	Pollutant Management
A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	/
Aspect A2: Use of Resources		
General Disclosure	Policies on the efficient use of resources, including energy, water and other raw materials.	Resource Management
A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	Resource Management
A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	Resource Management
A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	/
A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	Resource Management
A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	/

Aspects	Content	Section in this Report
Aspect A3: The Environment and Natural Resources		
General Disclosure	Policies on minimising the issuer's significant impacts on the environment and natural resources.	/
A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	/
Social		
Aspect B1: Employment		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Employment Management
B1.1	Total workforce by gender, employment type (for example, full- or part-time), age group and geographical region.	Employment Management
B1.2	Employee turnover rate by gender, age group and geographical region.	/
Aspect B2: Health and Safety		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Production Safety
B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	/
B2.2	Lost work-days due to work injury.	Production Safety
B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored.	Production Safety
Aspect B3: Development and Training		
General Disclosure	Policies on improving employee knowledge and skills for discharging duties at work. Description of training activities. Note: Training refers to vocational training. It may include internal and external courses paid by the employer.	Employee Training
B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	/
B3.2	The average training hours completed per employee by gender and employee category.	/
Aspect B4: Labor Standards		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.	Employment Management
B4.1	Description of measures to review employment practices to avoid child and forced labour.	/
B4.2	Description of steps taken to eliminate such practices when discovered.	/
Aspect B5: Supply Chain Management		
General Disclosure	Policies on managing environmental and social risks of the supply chain.	Integrity and Compliance Operations

Aspects	Content	Section in this Report
B5.1	Number of suppliers by geographical regions.	Supply Chain Management
B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored.	Integrity and Compliance Operations
B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	/
B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	/
Aspect B6: Product Responsibility		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.	Product Quality Management
B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	/
B6.2	Number of products and service related complaints received and how they are dealt with.	Product Quality Management
B6.3	Description of practices relating to observing and protecting intellectual property rights.	Comprehensive R&D System Upgrade and Optimized Innovation Management
B6.4	Description of quality assurance process and recall procedures.	Product Quality Management
B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	Product Quality Management
Aspect B7: Anti-corruption		
General Disclosure	(a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	Integrity and Compliance Operations
B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Integrity and Compliance Operations
B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	Integrity and Compliance Operations
B7.3	Description of anti-corruption training provided to directors and staff.	Integrity and Compliance Operations
Aspect B8: Community Investment		
General Disclosure	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests.	/
B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	/
B8.2	Resources contributed (e.g. money or time) to the focus area.	/
<b>Part D: Climate-related Disclosures</b>		
(I)	Governance	Climate Change Response
(II)	Strategy	Climate Change Response
(III)	Risk Management	Climate Change Response
(IV)	Metrics and Targets	Climate Change Response

## Appendix II: Index of Indicators

### Index of Global Sustainability Standards Board (GSSB) GRI Sustainability Reporting Standards

Instructions: Yingfa Ruineng reported the information referenced in this Index in accordance with the GRI Sustainability Reporting Standards from January 2024 to December 2024.

Referenced GRI 1: GRI 1: Standards 2021

Indicator	Description	Response Section
GRI2:General Disclosures		
Organization Profile and Reporting Method		
2-1	Organization details	About Yingfa Ruineng
2-2	Entities included in the organization's sustainability reporting	About this Report
2-3	Reporting period, frequency and contact	About this Report
2-4	Restatements of information	/
2-5	External assurance	/
Activities and Workers		
2-6	Activities, value chain and other business relationships	/
2-7	Employees	Employee Rights and Benefits
2-8	Workers who are not employees	/
Governance		
2-9	Governance structure and composition	Improving Governance Effectiveness
2-10	Nomination and selection of the highest governance body	Improving Governance Effectiveness
2-11	Chair of the highest governance body	Improving Governance Effectiveness
2-12	Role of the highest governance body in overseeing the management of impacts	Improving Governance Effectiveness
2-13	Delegation of responsibility for managing impacts	Improving Governance Effectiveness
2-14	Role of the highest governance body in sustainability reporting	Sustainable Development System
2-15	Conflicts of interest	全面风险管理
2-16	Communication of critical concerns	Sustainable Development System
2-17	Collective knowledge of the highest governance body	Improving Governance
2-18	Evaluation of the performance of the highest governance body	Improving Governance Effectiveness
2-19	Remuneration policies	Improving Governance Effectiveness
2-20	Process to determine remuneration	/
2-21	Annual total compensation ratio	/
Strategy, Policy, and Practice		
2-22	Statement on sustainable development strategy	Sustainable Development System
2-23	Policy commitments	Sustainable Development System

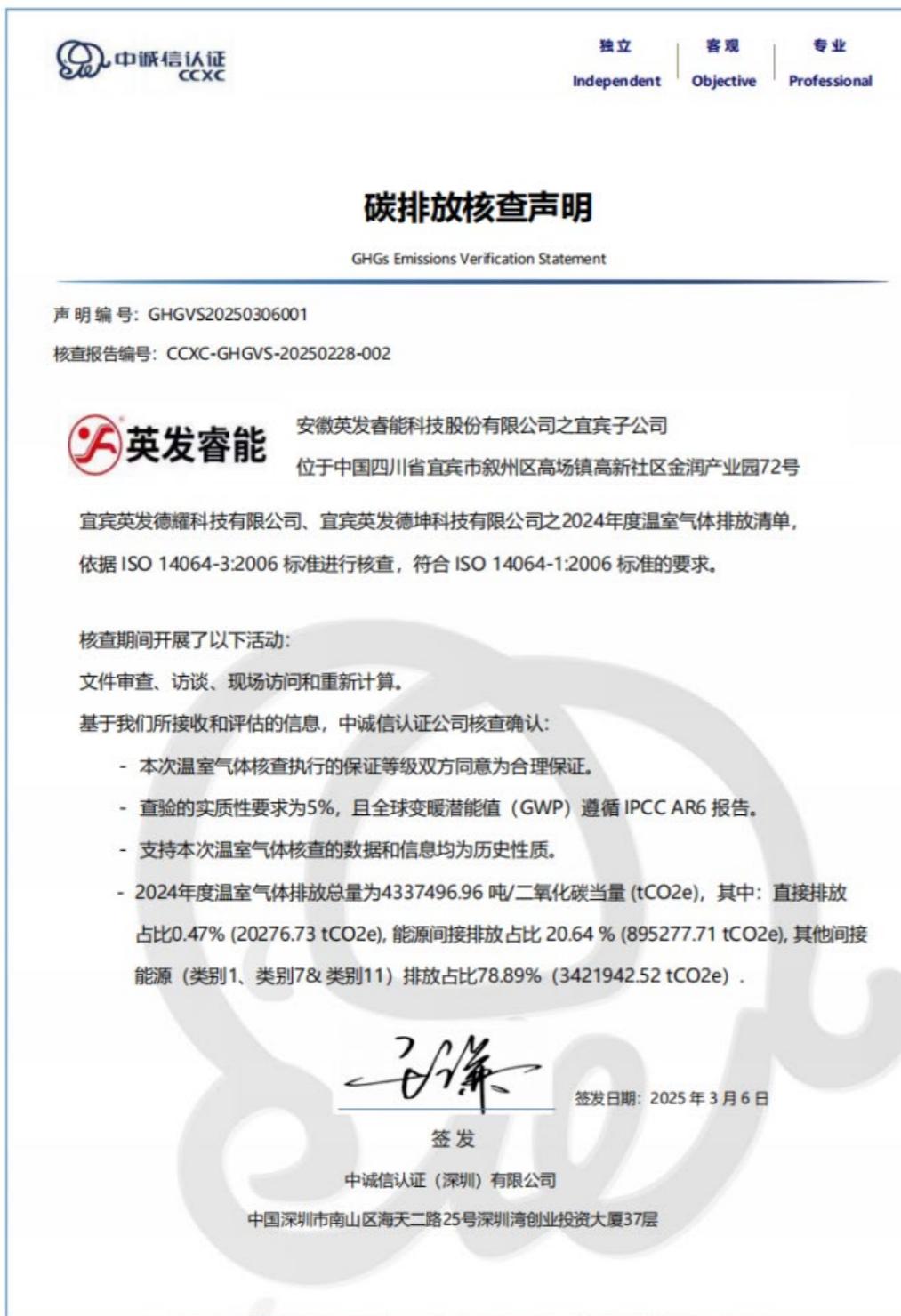
Indicator	Description	Response Section
2-24	Embedding policy commitments	Sustainable Development System
2-25	Processes to remediate negative impacts	/
2-26	Mechanisms for seeking advice and raising concerns	Sustainable Development System
2-27	Compliance with laws and regulations	Integrity and Compliance Operations
2-28	Membership associations	Annual Special Topic
Stakeholder Engagement		
2-29	Approach to stakeholder engagement	Sustainable Development System
2-30	Collective bargaining agreements	/
GRI 3:Material Topics		
3-1	Process to determine material topics	Sustainable Development System
3-2	List of material topics	Sustainable Development System
3-3	Management of material topics	Sustainable Development System
GRI 201:Economic Performance		
201-1	Direct economic value generated and distributed	/
201-2	Financial implications and other risks and opportunities due to climate change	Climate Change Response
201-3	Defined benefit plan obligations and other retirement plans	Employee Rights and Benefits
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	Integrity and Compliance Operations
205-2	Communication and training about anti-corruption policies and procedures	Integrity and Compliance Operations
205-3	Confirmed incidents of corruption and actions taken	/
GRI 206:Anti-competitive Behaviour		
206-1	Legal actions for anti-competitive behaviour, anti-trust, and monopoly practices	/
GRI 207:Tax		
207-1	Approach to tax	Integrity and Compliance Operations
207-2	Tax governance, control, and risk management	Integrity and Compliance Operations
207-3	Stakeholder engagement and management of concerns related to tax	Integrity and Compliance Operations
GRI 301:Materials		

Indicator	Description	Response Section
301-1	Materials used by weight or volume	/
301-2	Recycled input materials used	Resource Management
301-3	Renewable products and their packaging materials	Resource Management
GRI 302:Energy		
302-1	Energy consumption within the organization	Resource Management
302-2	Energy consumption outside the organization	/
302-3	Energy intensity	Resource Management
302-4	Reduction of energy consumption	Resource Management
302-5	Reductions in energy requirements of products and services	Resource Management
GRI 303:Water and Effluents		
303-1	Interactions with water as a shared resource	Resource Management
303-2	Management of water discharge-related impacts	Pollutant Management
303-3	Water withdrawal	Resource Management
303-4	Water discharge	Resource Management
303-5	Water consumption	Resource Management
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	/
304-2	Significant impacts of activities, products and services on biodiversity	/
304-3	Habitats protected or restored	/
304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operation	/
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	Intensity of GHG emissions	/
305-5	Reduction of GHG emission	/
305-6	Emissions of ozone-depleting substances /ODS	/
305-7	Nitrogen oxides /NOX, Sulfur oxides /SOX, and other significant air emissions	Pollutant Management
GRI 306:Waste		
306-1	Waste generation and significant waste-related impacts	Pollutant Management
306-2	Management of significant waste-related impacts	Pollutant Management
306-3	Waste generated	Pollutant Management
306-4	Waste diverted from disposal	Pollutant Management
306-5	Waste directed to disposal	Pollutant Management
GRI 308:Supplier Environmental Assessment		
308-1	New suppliers that were screened by using environmental criteria	Supply Chain Management
308-2	Negative impacts of the supply chain on the environment and actions taken	Supply Chain Management
GRI 401:Employment		
401-1	New employee hires and employee turnover	/
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Employee Rights and Benefits
401-3	Parental leave	/

Indicator	Description	Response Section
GRI 402:Labor/Management Relations		
402-1	The shortest notice periods regarding operational changes	/
GRI 403:Occupational Health and Safety		
403-1	Occupational health and safety management system	/
403-2	Hazard identification, risk assessment, and incident investigation	/
403-3	Occupational health services	Employee Rights and Benefits
403-4	Worker participation, consultation, and communication on occupational health and safety	/
403-5	Worker training on occupational health and safety	/
403-6	Promotion of worker health	Employee Rights and Benefits
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	/
GRI 404:Training and Education		
404-1	Average hours of training per year per employee	Employee Rights and Benefits
404-2	Programs for upgrading employee skills and transition assistance programs	Employee Rights and Benefits
404-3	Percentage of employees receiving regular performance and career development reviews	/
GRI 405:Diversity and Equal Opportunity		
405-1	Diversity of governance bodies and employees	Employee Rights and Benefits
405-2	Ratio of basic salary and remuneration of women to men	/
GRI 406:Non-discrimination		
406-1	Incidents of discrimination and corrective actions taken	/
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	/
GRI 408:Child Labor		
408-1	Operations and suppliers at significant risk for incidents of child labor	/
GRI 409:Forced or Compulsory Labor		
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	/
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	/
GRI 413:Local Communities		
413-1	Operations with local community engagement, impact assessments, and development programs	/
413-2	Operations with significant actual and potential negative impacts on local communities	/
GRI 414:Supplier Social Assessment		
414-1	New suppliers that were screened using social criteria	Supply Chain Management
414-2	Negative social impacts in the supply chain and actions taken	/
GRI 415:Public Policy		
415-1		/

Indicator	Description	Response Section
GRI 416:Customer Health and Safety		
416-1	New suppliers that were screened using social criteria	Products and Customers
416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	/
GRI 417:Marketing and Labelling		
417-1	Requirements for product and service information and labelling	Products and Customers
GRI 418:Customer Privacy		
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	/

## Appendix III: GHGs Emissions Verification Statement



## Appendix IV. Independent Assurance Report

China Chengxin Green Finance Technology (Beijing) Ltd. ("CCXGF") has been engaged by Anhui Yingfa Ruineng Technology Co., Ltd. ("Yingfa Ruineng") to perform an independent assurance of the sustainability information disclosed in Yingfa Ruineng's 2024 Environmental, Social, and Governance Report (the "ESG Report"). This assurance report articulates our findings, providing insight and clarity for stakeholders and users of the ESG Report.

### Independence and Competence

CCXGF is a reputable independent third-party firm that specializes in providing green financial services. The assurance team comprises seasoned professionals with extensive expertise in the Environmental, Social, and Governance (ESG) sector and a comprehensive understanding of the AA1000ASv3, enabling them to conduct thorough ESG verifications. Importantly, neither CCXGF nor the assurance team maintains any business relationships with Yingfa Ruineng, its directors, or senior management. Furthermore, robust measures, such as internal firewall isolation, are implemented within CCXGF to eliminate any potential conflicts of interest with Yingfa Ruineng. This ensures the integrity and independence of the assurance process.

### Yingfa Ruineng's Responsibilities

Yingfa Ruineng is tasked with preparing the ESG report in alignment with the Sustainability Reporting Standards established by the Global Reporting Initiative (GRI), as well as the disclosure recommendations of relevant regulatory authorities. In addition, Yingfa Ruineng must follow the assurance scope agreed upon with the assurance provider by providing the assurance provider with all necessary documents and materials required for the assurance process. It shall also have a robust management and monitoring system in place for assurance performance indicators to ensure that performance data remains consistent across all types of disclosure documents post-assurance.

### Assurance Provider's Responsibilities

In accordance with applicable assurance standards and the agreed-upon scope of work with Yingfa Ruineng, CCXGF is responsible for conducting assurance procedures on the subjects addressed in Yingfa Ruineng's ESG Report. This process involves a thorough evaluation of the assured subjects through internal control assessments. Subsequently, CCXGF shall issue an independent assurance report for the exclusive use of Yingfa Ruineng's Board of Directors.

## Basis for Assurance

CCXGF has conducted a Type 2 Moderate-Level Assurance engagement on Yingfa Ruineng's 2024 ESG Report, in strict compliance with AA1000ASv3.

## Subject Matters and Scope

- Evaluation of Yingfa Ruineng's ESG Report compliance with AA1000's four core principles (Inclusivity, Materiality, Responsiveness, and Impact);
- Reliability and quality assessments on selected performance indicators;
- The assurance boundaries are generally aligned with the consolidated financial reporting scope of Yingfa Ruineng, with adjusted coverage for specific performance indicators.

## Adherence to AA1000(2018) Principles

**Inclusivity:** Yingfa Ruineng places emphasis on stakeholder communication. Through the implementation of the Y-MODEL system, it collects and analyzes stakeholder demands and expectations, effectively identifying their key concerns. Furthermore, Yingfa Ruineng integrates the requirements of its core stakeholders into its management processes, ensuring that the ESG report aligns with the inclusivity principle.

**Materiality:** Based on the primary concerns of its stakeholders, Yingfa Ruineng has conducted a comprehensive assessment of materiality issues, integrating its unique industry characteristics, strategic development planning, and the impacts on the economy, environment, and society. Furthermore, the company has established a sustainable development framework that ensures the ESG report adheres to the principles of materiality.

**Responsiveness:** Yingfa Ruineng has addressed the significant sustainability issues raised by its stakeholders in its ESG report. Furthermore, this report adheres to the principles of responsiveness.

**Impact:** Yingfa Ruineng has performed impact assessments of important sustainable issues, identified and evaluated climate risks and opportunities, which helps enhance its ability to withstand climate change risks. The ESG report meets the requirements of the principle of impact.

## Procedures

To ensure the effective implementation of the assurance engagement, CCXGF has developed a detailed assurance action plan and timeline, conducting the review with strict objectivity through the following procedures:

- Assessed Yingfa Ruineng's adherence to AA1000 principles, and reviewed stakeholder engagement practices and operational workflows based on collected evidence;
- Conducted sampling audits on key performance data and evaluated their reliability and quality;
- Independently recalculated the selected performance data; and
- Performed supplementary reviews where CCXGF believed necessary.

## Quality of the Specific Performance Data in the ESG Report

- Total carbon emissions (Yibin Yingfa Deyao Technology Co., Ltd., and Yibin Yingfa Dekun Technology Co., Ltd.)
- Direct emissions (Yibin Yingfa Deyao Technology Co., Ltd., and Yibin Yingfa Dekun Technology Co., Ltd.)
- Indirect emissions from energy (Yibin Yingfa Deyao Technology Co., Ltd., and Yibin Yingfa Dekun Technology Co., Ltd.)
- Indirect emissions from other energy sources (category 1, category 7 and category 11) (Yibin Yingfa Deyao Technology Co., Ltd., and Yibin Yingfa Dekun Technology Co., Ltd.)
- Number of patents granted within the year (consolidated scope for Yingfa Ruineng)
- Purchased electricity (Yibin Yingfa Deyao Technology Co., Ltd., Yibin Yingfa Dekun Technology Co., Ltd., and PT BINTAN CELLULAR INDONESIA)
- Tap water consumption (Yibin Yingfa Deyao Technology Co., Ltd., Yibin Yingfa Dekun Technology Co., Ltd., and PT BINTAN CELLULAR INDONESIA)

## Conclusions

CCXGF has determined that Yingfa Ruineng's 2024 ESG Report exemplifies complete adherence to the principles outlined in AA1000ASv3. This conclusion is supported by the following findings:

Through our procedures, we confirm that the specified performance indicators contain no material misstatements.

## 8. Limitations

- The lack of internationally standardized methodologies for evaluating and measuring non-financial information results in variations in acceptable assessment approaches and measurement techniques, which can impact the comparability of data across assurance institutions.
- The CCXGF team's assurance was explicitly confined to the key performance indicators identified in this assurance report, excluding other ESG metrics.
- The review process was conducted solely through interviews with Yingfa Ruineng's internal management and the verification of documentation, and it did not include consultations with external stakeholders.



## Appendix V. Reader Feedback Form

### Respected readers:

Thank you for reading this report. We appreciate and look forward to your feedback. Your opinions and suggestions are important for us to continuously improve corporate ESG information disclosures and promote corporate ESG management and practice. Welcome and sincerely thank you for your valuable opinions!

1. Your overall assessment of our ESG performance is:

Excellent  good  average  bad  very bad

2. Your overall assessment of this report is:

Excellent  good  average  bad  very bad

3. What do you think of our performance in communication with stakeholders?

Excellent  good  average  bad  very bad

4. What do you think of our performance in sustainability?

Excellent  good  average  bad  very bad

5. What do you think of our performance in green development?

Excellent  good  average  bad  very bad

6. What do you think of our performance in digitalization?

Excellent  good  average  bad  very bad

7. What do you think of our performance in social contribution?

Excellent  good  average  bad  very bad

8. What are your opinions and suggestions for our ESG performance and this report?