

Stock Code: 600298
1986-2025



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Angel Yeast Co., Ltd.

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Official WeChat



Official Store

2024
Angel Yeast Co. Ltd.
Sustainability Report

A Letter to Stakeholders

Dear Stakeholders,

At Angel Yeast, we drive sustainable, high-quality growth through creating shared value for society. Over the past year, while accelerating our global expansion and surpassing RMB 15 billion in revenue, Angel Yeast has embedded sustainability into every aspect of our strategic decision-making and daily operations. As our first dedicated “Sustainability Report”, this publication aims to offer you a holistic view of Angel Yeast’s sustainability commitments, implementation practices, and tangible impacts.

Green Development - Environmental Competitiveness

Amid global sustainability imperatives and China’s “Dual Carbon” strategy, we understand that lasting corporate success requires not just price-based and non-price-based competitiveness, but equally environmental competitiveness. Only through accelerated green development can companies build this critical advantage and ensure sustainable growth.

Angel Yeast has built green DNA into its production systems from the ground up. The raw material used for yeast, molasses, is a prime example of transforming industrial byproducts into high-value inputs. After aerobic fermentation of molasses for cell proliferation, we extract yeast while repurposing the residual fermentation nutrients (yeast metabolites) as high-value inputs in agriculture, aquaculture, and other fields. Angel Yeast actively “harnesses microbial fermentation to produce protein”. As an industry pioneer, our microbial protein products offer a sustainable, efficient, and green alternative protein source. They generate significantly lower carbon emissions than both plant-based and animal proteins. Moreover, being produced through bio-fermentation, they avoid the challenges associated with plant-based alternatives, such as GMO concerns and land scarcity issues.

Additionally, Angel Yeast has enhanced clean and environmentally friendly production processes through technological innovation. As an industry pioneer, the Company has established smart yeast manufacturing facilities and

implemented continuous energy-saving and emission-reduction upgrades. These initiatives have achieved comprehensive “Green Factory” standards, including intensive land use, non-toxic raw materials, clean production processes, waste resource recovery, and low-carbon energy systems. Angel Yeast’s production bases in Chifeng, Chongzuo, Yichang, and other locations have been officially certified as National-Level “Green Factories” in China.

Innovative Development - Advancing New Quality Productive Forces

Angel Yeast adheres to the product development philosophy of “natural, nutritious, healthy, and delicious,” consistently driving technological innovation and advancement in the yeast industry.

The Company has established a multidisciplinary innovation team led by industry experts and built a comprehensive R&D structure encompassing fundamental research, product development, and application technologies. In 2024, Angel Yeast contributed to the development of 14 Chinese national and industry standards, further promoting the global application of yeast protein in food products. Additionally, the International Codex Alimentarius Standard for Baking Yeast, spearheaded by Angel, has been approved and officially established by the Codex Alimentarius Commission. Meanwhile, Angel Yeast further improved the operation of its intellectual property management system and advanced the strategic planning and layout of patents. In 2024, the Company filed 195 patent applications, including 105 invention patents, and was granted 75 patents. The patent applications covered various technical fields related to yeast and its associated products.

Harmonious Development - Empowering Social Sustainability

As a publicly listed company, Angel Yeast integrates the philosophy of “mutual benefit and shared success” with all stakeholders throughout its operations.

To our employees, we regard the 12,196 in-service staff members as our most valuable asset. We are committed to safeguarding their rights and interests, promoting physical and mental wellbeing alongside career development, fostering a harmonious and caring workplace, and continuously enhancing their sense of belonging and happiness.

To our customers, Angel Yeast upholds product quality as the lifeline of our enterprise, with an uncompromising commitment to both quality and food safety standards. Accordingly, Angel Yeast adheres to the quality control principle of “source control, prevention-first approach, and zero-defect pursuit.” The Company has successively implemented management systems such as ISO 9001, ISO 22000, HACCP, GMP, BRC, SEDEX, and CNAS to ensure that every stage of production and distribution is monitored under food quality and safety management systems. Additionally, it has established a full lifecycle quality assurance framework covering product planning, raw material quality control, production and transportation, and product quality monitoring.

To our suppliers, Angel Yeast regards responsible supply chains as the cornerstone of sustainable operations, committed to collaborating with upstream and downstream partners to build an environmentally friendly and socially accountable supply chain system. Angel Yeast has established a systematic management system to ensure that suppliers meet high standards in social responsibility, environmental protection, and business ethics. The Supplier Contract Framework incorporates the Code of Supplier’s Business Conduct as a standalone chapter, mandating compliance with labor rights (e.g., prohibition of forced labor), environmental compliance, and anti-corruption regulations.

To our communities, Angel Yeast actively fulfills social

responsibilities through philanthropic initiatives and volunteer programs that support community development and rural revitalization. Our diversified global citizenship programs advance educational and environmental causes, fostering inclusive community growth worldwide, demonstrating our commitment to being a caring corporate citizen.

Steady Development - Adhering to Operational Compliance

Maintaining a fair, just, and friendly business order is the foundation for achieving operational growth and long-term success. Angel Yeast consistently upholds high standards in business ethics and compliance management, continuously strengthens board construction, and consistently improves risk management mechanisms to create sustainable commercial value for shareholders, while fostering a favorable business environment with stakeholders.

Angel Yeast has established a comprehensive corporate governance structure to ensure the standardization and transparency of its corporate governance. The specialized committees of the Company’s Board of Directors strictly perform their duties in accordance with their respective working rules, executing all responsibilities with due diligence. By leveraging their functional and professional expertise, these committees play a significant role in enhancing the corporate governance framework, elevating governance standards, and driving business development.

By 2025, Angel Yeast will anchor its strategic goal of becoming the “global yeast industry leader and world-class biotech enterprise.” Guided by high-quality development principles, the Company will center on the objectives of steady growth, increased sales, higher profits, and product innovation. Moreover, we will further implement the “market-centric” philosophy, enhance quality and efficiency across the entire business value chain, innovate differentiated solutions, and achieve structural growth.

Report Highlights

This Report provides an in-depth disclosure of Angel Yeast’s reflections and actions on sustainability management, facilitating effective communication with all stakeholders. This report doesn’t contain any false records, misleading statements, or material omissions, and is responsible for the authenticity, accuracy, and completeness of this Report. We hope this Report offers you a clearer understanding of Angel Yeast and welcome your valuable feedback.

Reporting Period

January 1, 2024, to December 31, 2024. To improve the comparability and perspectiveness, some sections of this Report may extend appropriately to previous and subsequent years.

Reporting Scope

This Report is centered on Angel Yeast Co., Ltd. and covers its branches and subsidiaries, with reporting scope aligned with the Company’s Annual Report.

Reference Framework

Sustainability Reporting Standards (GRI Standards) of the Global Sustainability Standards Board

United Nations 2030 Agenda for Sustainable Development;

Shanghai Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 4 - Preparation of Sustainability Report;

Corporate Sustainability Disclosure Standards—Basic Standards (for Trial Implementation).

Data Sources

All information and data referenced in this report are sourced exclusively from the Company’s official documents, statistical reports, and financial statements.

Appellation Description

For the ease of expression and readability, “Angel Yeast Co., Ltd.” is also referred to as “Angel Yeast”, “the Company”, or “we” in this Report.

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Step into Angel »



About Us

Established in 1986, Angel Yeast specializes in yeast and its deep-processed products and has been developing for near 40 years. These products have been widely used in baked goods, flour-fermented foods, and flavorings, contributing to brewing & bioenergy, human nutrition & healthcare, and the nutrition of animals, plants, and microorganisms.

Angel has built factories in 11 cities in China and two overseas countries, with a total fermentation capacity of 450,000 tons, accounting for 55% of the domestic market share and over 20% of the global market share, making it the second largest yeast producer worldwide.

Equipped with national enterprise technical centers and Postdoctoral research workstations in China, Angel has its testing centers accredited by the China National Accreditation Service for Conformity Assessment (CNAS) and holds 300 authorized invention patents.



- Vice Chairman of China Biotech Fermentation Industry Association
Chairman of the Yeast Division
- Vice Chairman of the China Association of Bakery and Confectionery Industry
Chairman of the Bread Division
- Vice Chairman of the Chinese Cereals and Oils Association
Chairman of the Fermented Staple Food Division
- Vice Chairman of the China Food Additives & Ingredients Association
Director of the Natural Extracts Professional Committee
- Vice Chairman of the Chinese Association of Animal Science and Veterinary Medicine

1

Nomination for the China Quality Award

2

Times Winner of National Science & Technology Progress Award

12

Technology Centers

33

Production Facilities (Including 16 Yeast Factories)

170+

Marketing Networks

12000+

Employees

Business Philosophy

Angel will continue to strengthen the enterprise with talent, uphold integrity in operations, and standardize governance. Focusing on yeast, food ingredients, biotechnology, new healthy packaging materials, and the tea industry, the Company will actively integrate into agricultural industrialization, adhere to innovation-driven development, continuously improve technological R&D capabilities, accelerate the implementation of its international strategic layout, and strive to maintain high-performance growth.

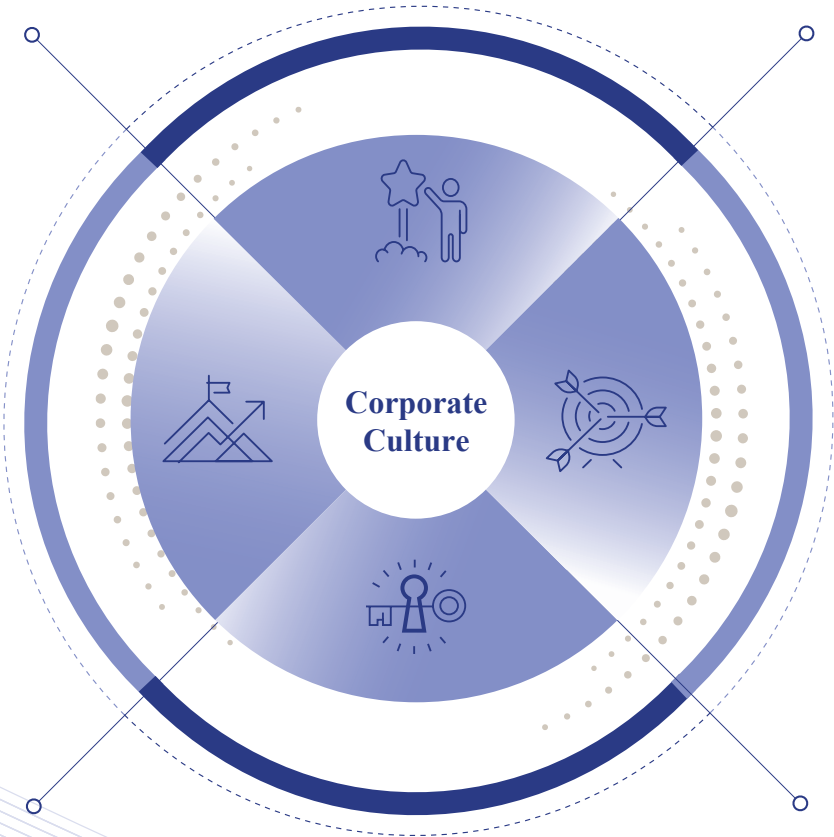


Our Mission

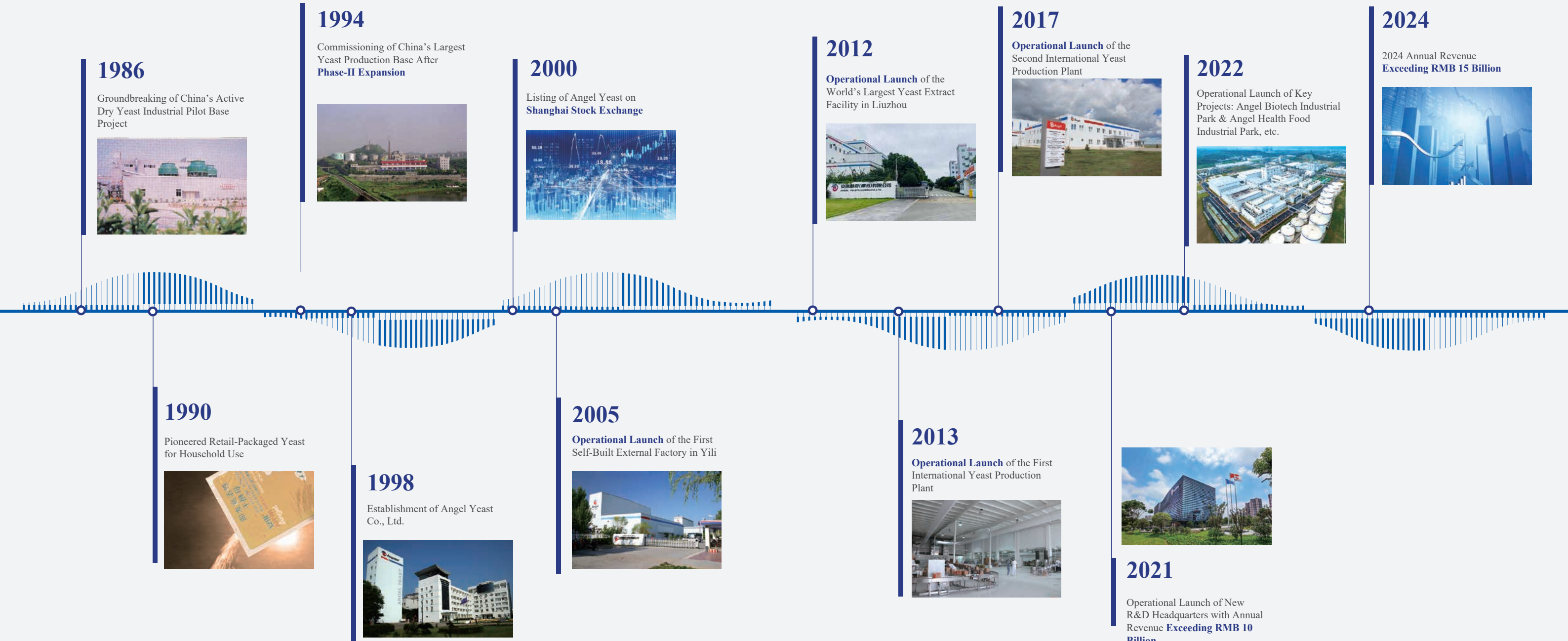
Develop yeast biotechnology, innovate for healthy life.

Our Spirit

Pursuing excellence, innovation, and keep improving.

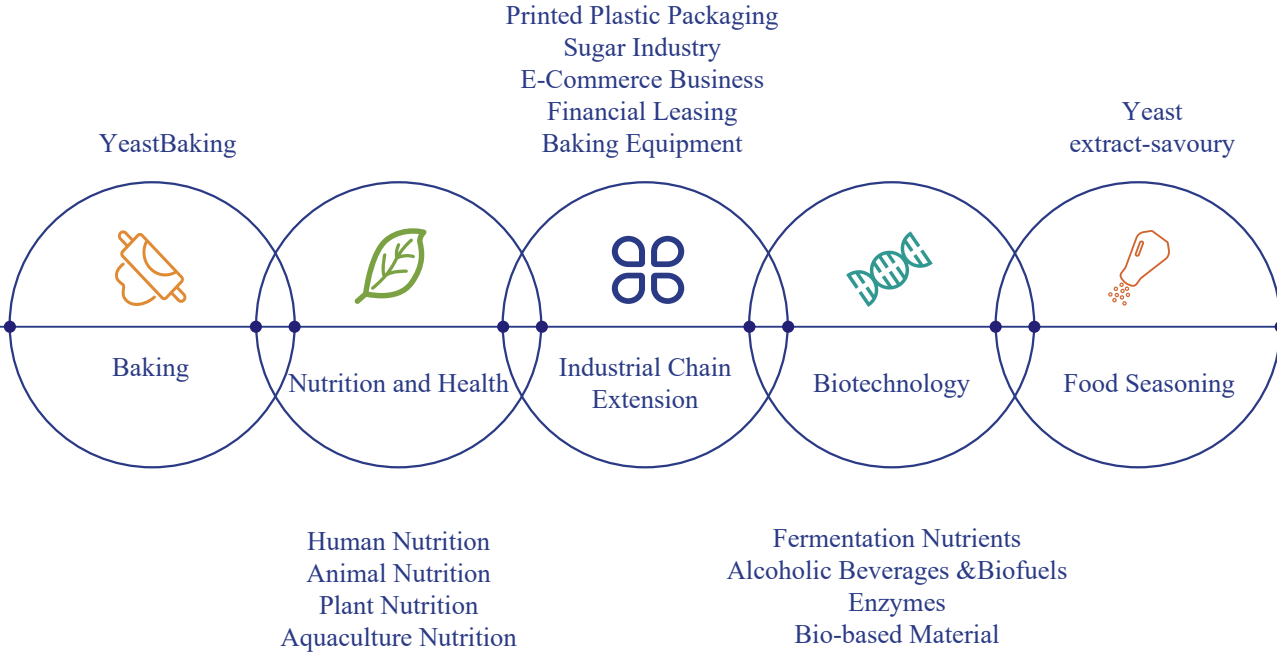


Development History



Business Scope

Angel Yeast specializes in yeast and its deep-processed products and has been developing for over 30 years. These products have been widely used in baked goods, flour-fermented foods, and flavorings, contributing to brewing & bioenergy, human nutrition & healthcare, and the nutrition of animals, plants, and microorganisms. Additionally, the Company is also engaged in businesses such as enzyme preparations, sugar production, printed plastic packaging, and financial leasing.



Annual Major Events »



03

The Department of Science and Technology of Hubei Province released the annual list of the top 100 high-tech enterprises in Hubei Province, with Angel Yeast ranking sixth and making the top ten for two consecutive years.

02

Angel made an appearance on China Central Television's New Strides Forward Program, showcasing the Company's fresh new image.



Month

04

Angel Yeast, in collaboration with the team led by Academician Sun Baoguo from the Beijing Technology and Business University, won the first prize of the China National Light Industry Council Science and Technology Award for their project titled Key Functional Microbial Community Assembly and Fermentation Technology for Stable Synthesis of Flavor Substances in Traditional Brewed Baijiu and Its Applications.

Angel Yeast's 2021 proposal to establish the International Codex Alimentarius Standard for Baking Yeast has been formally approved



05

According to the China Brand Value Evaluation Report, Angel Yeast achieved a brand valuation of RMB 20.139 billion, ranking third in the food processing and manufacturing category. With a Brand Strength Index of 933, the Company secured the top position in this sector.

06

Angel Yeast made its debut at FBIF 2024, promoting the innovative applications of yeast protein.

07

A leading Chinese credit rating agency has assigned Angel Yeast an AAA issuer credit rating.

09

The list of the 5th Panorama Investor Relations Gold Award was announced, with Angel Yeast winning the "Outstanding Small and Medium-Sized Investor Interaction Award" for two consecutive years.

12

Angel Yeast's innovative business, the yeast protein brand AnPro (AngeoPro), was officially launched in Yichang, Hubei.

As a representative of "new quality productive forces", Angel Yeast made an appearance in the fourth episode titled Biological Creation of the CCTV program Setting Out Anew.

10

The 11th Dandelion Awards ceremony was held in Beijing, where the communication project jointly created by Angel Yeast and PR Newswire won the Silver Award in the "Annual Overseas Communication" category.

The 6th "Angel Yeast Cup" China Young Bakers Creative Bread Competition, sponsored and hosted by Angel Yeast, was successfully held in Wuhan, China.

ESG Management »

SDGs Goals Response

While accelerating its global expansion, Angel Yeast is also focusing on global sustainability. We actively promote the alignment of our business and value chain with the United Nations 2030 Sustainable Development Goals (SDGs), fully integrating the concept of sustainability into corporate strategy and operations. Together with our clients, supply chain, and other business partners, we strive to advance global sustainability.

Sustainable Development Goals (SDGs) of the United Nations	Our Actions
	Goal 1: No Poverty Goal 1: No Poverty. Focus on agricultural support policies, vigorously promote consumption-based poverty alleviation, actively connect with various agricultural and livestock cooperatives in local village for paired assistance, and organize employees to purchase poverty alleviation products.
	Goal 2: Zero Hunger Provide high-quality yeast and food ingredients to meet global food processing needs and ensure food safety, enhance the nutritional value of staple foods, and reduce food waste; contribute to global staple food initiatives and make a meaningful impact in the global effort to eliminate hunger.
	Goal 3: Good Health and Well-being Promote products such as yeast, yeast extracts, and aluminum-free leavening agents to transform traditional food processing practices and support the development of the healthy food industry. As China's largest yeast enterprise, Angel Yeast has taken the lead in yeast protein research and development.

Sustainable Development Goals (SDGs) of the United Nations	Our Actions
	Goal 4: Quality Education Established a robust talent development system to help employees continuously enhance their comprehensive capabilities and achieve personal growth. For three consecutive years, we have organized the “Hope Home·Summer Classroom” social practice activities and hosted public welfare childcare classes for children, addressing issues such as the “difficulty in care” and “nowhere to go” faced by left-behind children.
	Goal 5: Gender Equality Strictly adhere to the Labor Law of the People’s Republic of China, implement diversified employment practices, and uphold the principles of fairness, transparency, and impartiality in recruitment. Eliminate discrimination based on gender, ensure equal pay for equal work between men and women in salary determination, adjustments, and all benefit entitlements, and resolutely safeguard the legitimate rights and interests of female employees.
	Goal 6: Clean Water and Sanitation Continue water conservation management by optimizing production process water usage and recycling to consistently improve water resource utilization efficiency.
	Goal 7: Affordable and Clean Energy Adopt photovoltaic power generation to reduce non-renewable energy consumption; actively carry out energy-saving technical renovation projects to improve energy use efficiency through measures such as equipment optimization and upgrades.

Sustainable Development Goals (SDGs) of the United Nations	Our Actions
	Goal 8: Decent Work and Economic Growth Adhere to employment policies of transparency, fairness, and equality, provide equal job opportunities for all employees, establish a scientific talent management system, offer competitive compensation, and safeguard occupational health.
	Goal 9: Industry, Innovation, and Infrastructure Angel Yeast has established an innovation platform to achieve world-leading yeast technology and top-tier biotechnology. This includes 58 innovation platforms such as the Agricultural Microbial Discovery and Utilization Laboratory and the Yeast Function Laboratory. A 36,500-square-meter R&D complex has been completed and put into use, accommodating over 1,500 researchers and staff for scientific research and office work.
	Goal 10: Inequality Reduction Create a diverse and equitable work environment, providing equal employment opportunities for all, without any discrimination based on ethnicity, race, nationality, religion, gender, age, disability, marital status, or other factors.
	Goal 11: Sustainable Cities and Communities Build green factories and strengthen waste management to minimize environmental impact based on lawful disposal and recycling; actively carry out community volunteer services to contribute corporate efforts toward creating sustainable cities and communities.
	Goal 12: Responsible Consumption and Production Build green smart factories to advance sustainable production and promote the efficient utilization of resources and energy; increase the proportion of renewable electricity in production operations; enhance internal energy efficiency; strictly comply with national and regional emission requirements to reduce waste discharge.
	Goal 13: Climate Action Angel Yeast integrates climate objectives into its long-term strategic planning, balancing the relationship between green, low-carbon transformation, and high-quality corporate development. The Company actively cultivates new drivers for sustainable growth, building more competitive industrial, supply, and value chains.
	Goal 14: Life Below Water Leverage the resource advantages of yeast metabolites and the technological strengths of yeast biotechnology to achieve functional product integration. Fully meet the safety, environmental protection, quality, and efficiency requirements of the external water environment and internal intestinal environment for special aquaculture species such as fish, shrimp, crabs, clams, shellfish, and sea cucumbers.
	Goal 15: Life on Land Comply with local environmental protection policies to avoid land-use changes harmful to biodiversity; actively organize and participate in public welfare activities such as waste cleanup, and advocate for attention to endangered species.
	Goal 16: Peace, Justice, and Strong Institutions Adhering to the principles of integrity and lawful operations, we establish and improve compliance systems in areas such as clean business practices, fair competition, labor protection, environmental conservation, information security, and intellectual property rights. This enhances corporate governance to achieve better organizational management.
	Goal 17: Partnerships for the Goals Actively engage with global industry associations to exchange sector achievements; conduct stakeholder communications and publish annual ESG reports; form “interest communities” with governments, financial institutions, social organizations, residents, and industry chain partners.

Communications with Stakeholders

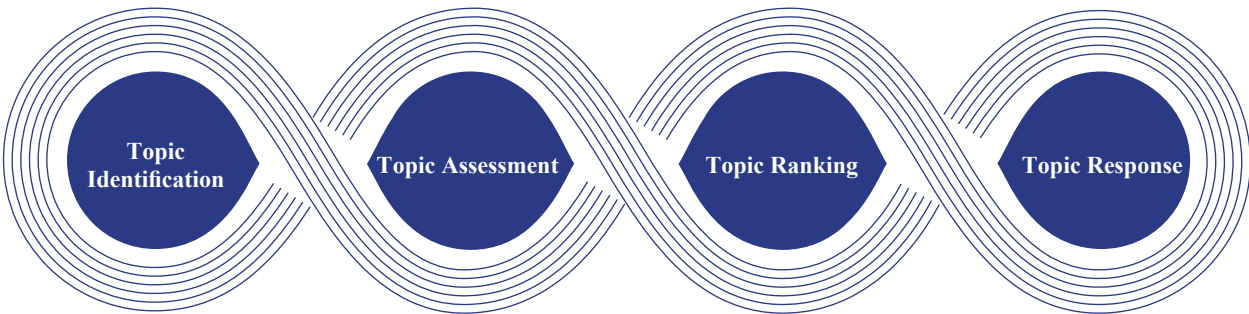
Based on the industry characteristics, business features, and operational conditions of Angel Yeast, we have identified multiple stakeholders, including employees, consumers, shareholders and investors, government and regulatory agencies, suppliers, distributors, and the community. In our daily operations, we fully consider the needs of stakeholders and actively respond to their concerns and suggestions through open and transparent communication channels such as websites, meetings, reports, events, and media.

Key Stakeholders	Concerns	Communication and Response Channels
Shareholders and Investors	Compliant Operations Asset Preservation and Appreciation. Corporate Governance Investor Returns	Official Website Communication with Investors Roadshows Information Disclosure in the Form of Annual Reports, Announcements, etc.
Government and Regulatory Agencies	Compliant Operations Lawful Tax Payment Business Ethics Driving Local Economic Development. Environmental Protection Community Development and Well-Being.	Government Consultation. Supervision and Assessment Special Reports Lawful Tax Payment
Customers/Consumers	Nutrition and Health Products. Diverse Product Options. Excellent Customer Service Smooth Communication Channels. Customer Data and Privacy Protection.	Consumer Service Hotline. Transparent Factory. Responsible Marketing/Communication.
Suppliers	Open, Fair, and Just Procurement Operation with Integrity Equal Treatment of Small and Medium-Sized Enterprises	Supplier Conference Supplier Assistance. Supplier Training
Distributors	Mutual Benefit Common Development.	Distributor Conference. Distributor Satisfaction Survey.
Employees	Diversity and Inclusivity. Occupational Health and Safety Offering Clear Career Development Channels Work-life Balance. Salary & Benefits and Welfare Protection.	Employee Congress Training Exchange. Employee Care Activities
Community/the Public	Contributing to Rural Revitalization Community Development and Well-Being. Driving Local Economic Development. Emergency Disaster Relief.	Provision of Employment Opportunities Driving the Development of Local Related Industries. Improving Local Infrastructure Construction. Charitable Activities/Donations.

Management of Material Topics

The material topic management serves as the foundation and core of Angel Yeast’s ESG strategic planning, risk and opportunity management, and information disclosure. In accordance with reporting disclosure standards, the Company conducted its first analysis of the dual materiality topic, integrating financial perspectives into impact materiality assessments. This comprehensive process incorporated inputs from multiple departments and over 1000 stakeholders to holistically evaluate how ESG issues affect the Company’s financial performance as well as economic, environmental, and social impacts. The report highlights key responses to the material topics identified through this analysis.

Topic Identification Process



By analyzing global policies, regulatory requirements, and industry trends, conducting industry benchmarking, and aligning reporting standards with the Company’s actual conditions, Angel Yeast identifies and establishes its ESG topic library.

Through various methods such as material topic surveys and internal company communication interviews, we gain an in-depth understanding of stakeholders’ perspectives on various ESG topics.

Based on internal research interviews and survey results, the topics are prioritized in terms of their impact, importance, and financial importance.

Conduct targeted disclosure and practice enhancement based on the results of the dual materiality assessment.



Angel Yeast Dual Materiality Topics



Financial Materiality Impact Materiality Dual Materiality

Identification Results of Material Issues	 Environmental	1 Response to Climate Change 2 Pollutant Emissions 3 Waste Discharges 4 Sustainable Packaging 5 Ecosystem and Biodiversity Protection 6 Environmental Compliance Management	7 Energy Utilization 8 Water Resource Utilization 9 Circular Economy 10 Raw Material Procurement 11 Carbon Footprint of Product 12 Green Office
	 Social	13 Rural Revitalization 14 Contribution to Society 15 Innovation-driven 16 Science and Technology Ethics 17 Supply Chain Security 18 Product Safety and Quality 19 Data Security and Customer Privacy Protection	20 Protect employee rights and interests 21 Strengthening Employee Care 22 Occupational training and development 23 Occupational Health and Safety 24 Strengthening Nutrition and Health Research
	 Corporate Governance	25 Due Diligence 26 Anti-Commercial Bribery and Anti-Corruption 27 Anti-Unfair Competition 28 Corporate Governance	29 Risk Management 30 Protection of Shareholders’ Rights and Interests 31 Compensation Management



Our Focus Areas in SDGs

01

Compliant Business Operations to Build a Solid Foundation for First-Class Development

Maintaining a fair, just, and friendly business order is the foundation for achieving operational growth and long-term success. Angel Yeast consistently upholds high standards in business ethics and compliance management, continuously strengthens board construction, and consistently improves risk management mechanisms to create more sustainable commercial value for shareholders, while fostering a favorable business environment with stakeholders.



Improvement of Corporate Governance

Angel Yeast strictly complies with the requirements of laws, regulations, and normative documents governing the governance of listed companies, including the Company Law of the People’s Republic of China, the Securities Law of the People’s Republic of China, the Code of Corporate Governance for Listed Companies, the Rules Governing the Listing of Stocks on Shanghai Stock Exchange, and the Self-Regulatory Guidelines for Listed Companies on the Science and Technology Board of the Shanghai Stock Exchange No. 1 - Standardized Operation. The Company continuously optimizes its governance structure and decision-making processes, standardizes the operations of the three governance bodies (the shareholders’ meeting, Board of Directors, and supervisory board), and ensures the standardization and effectiveness of its corporate governance framework.



During the reporting period,

the Company convened a total of 7 meetings of the Shareholders Meeting

14 meetings of Board of Directors,

13 meetings of Board of Supervisors

7 meetings of the Strategy Committee

8 meetings of the Audit Committee

3 meetings of the Remuneration and Assessment Committee

and 1 meeting of the Nomination Committee

Standardized Governance Structure

The Company has established a comprehensive corporate governance structure to ensure the standardization and transparency of its corporate governance. The corporate governance structure consists of four core components: the Shareholders Meeting, the Board of Directors, the Board of Supervisors, and the Executive Management. Each part has clearly defined powers and responsibilities, operates efficiently, and forms a governance mechanism characterized by mutual support and effective checks and balances. The Company’s Board of Directors has established four specialized committees: the Audit Committee, the Strategy Committee, the Nomination Committee, and the Compensation and Evaluation Committee. These committees perform their duties in accordance with the Company’s articles of association and the authorization of the Board of Directors.

The specialized committees of the Company’s Board of Directors strictly perform their duties in accordance with their respective working rules, executing all responsibilities with due diligence. By leveraging their functional and professional expertise, these committees play a significant role in enhancing the corporate governance framework, elevating governance standards, and driving business development. They have completed decision-making on relevant matters, provided professional recommendations, and ensured the quality of decisions.

Roles and Responsibilities of Board Members

The Board of Directors consists of 11 directors, including 1 Chairman elected by all directors. There are 6 independent directors, constituting the majority of the Company’s board members. All directors are elected by the Shareholders Meeting, ensuring the independence of the board. The Board of Directors has established specialized committees, including the Audit Committee, the Nomination Committee, and the Remuneration and Assessment Committee. Independent directors constitute the majority in these committees and serve as conveners. The convener of the Audit Committee is a professional in accounting.

Name	Independent Director or Not	Gender	Strategy Committee	Audit Committee	Remuneration and Assessment Committee	Nomination Committee
Xiong Tao	No	Male	●			●
Xiao Minghua	No	Male	●			●
Zhou Lin	No	Female		●	●	
Zheng Nian	No	Male	●			
Wang Xishan	No	Male	●			●
Jiang Chunqian	Yes	Male	●	●	●	●
Liu Xinguang	Yes	Male		●	●	●
Sun Yanping	Yes	Female		●	●	●
Tu Juan	Yes	Female		●	●	
Mo Deman	Yes	Female	●	●	●	●
Cheng Chi	Yes	Male	●	●	●	



Board Diversity

The diverse backgrounds and experiences of board members can provide varied perspectives and value to the Company’s strategic planning, enabling each committee to evaluate issues from a broader standpoint and consider the best interests of stakeholders. The Company adheres to the latest international ESG governance initiatives and continuously enhances the diversity of its board members. In terms of gender, 4 out of the 11 board members are female. Regarding professional backgrounds, the Company’s directors come from diverse fields such as chemical engineering, financial accounting, safety production, marketing, financial investment, and bioengineering, with extensive experience in corporate management accumulated in their respective areas. Their complementary knowledge structures, professional skills, industry expertise, and cultural backgrounds enable the board to make scientifically sound decisions when navigating complex and dynamic market environments and strategic choices. This enhances the board’s effectiveness and ensures its efficient operation.

Board Independence

The six independent directors of the Company fulfill their obligations and exercise their powers in accordance with the requirements of the Articles of Association, Rules of Procedure for the Board of Directors, Independent Directors Work System, and other relevant laws and regulations. They attend relevant company meetings as required, participate in decision-making on major company matters, and leverage their professional knowledge and practical experience to make objective and impartial judgments on matters reviewed by the Board of Directors. The Company’s Board of Directors actively supports independent directors in fulfilling their duties by regularly organizing thematic meetings and on-site inspection activities to enhance their understanding of the Company’s production and operations. In 2024, the Company scheduled an annual special work report meeting to brief the independent directors on capital market regulatory trends and the development of the Company’s hydrolyzed sugar and enzyme preparation businesses. It also organized field visits for the independent directors to Chongzuo Company, Enzyme Preparation Company, Xiaoshi Tea, the cranberry production line, and Europe, providing strong support for the independent directors in fulfilling their duties.

Fulfillment of Responsibilities of Board of Directors

To continuously enhance the Board of Directors’ ability to fulfill its responsibilities, this year the Company has strengthened the capacity building of board members, reinforced the communication of regulatory policies, and provided training for directors, supervisors, and senior management. Additionally, the Company collaborated with the Listed Companies Association of Hubei to organize a corporate governance-themed exchange event under the new Company Law Framework, along with “Stepping into Angel Yeast”. In 2024, more than 20 training sessions on relevant regulatory policies and business were completed. The Company attaches great importance to the training for directors, supervisors, and senior management on fulfilling their duties. It organized the Company’s directors, supervisors, and senior management to participate in training sessions such as the second-phase special training on the reform of the independent director system organized in the Company’s statutory jurisdiction and the interpretation of key policies of the new Nine National Guidelines. Follow-up training for the board secretary and independent directors was also completed.

Investor Relations Management

Angel Yeast is committed to enhancing transparency by improving information disclosure and strengthening communication with shareholders and potential investors. We have formulated the Investor Relations Management System in accordance with laws and regulations such as the Company Law of the People’s Republic of China, Securities Law of the People’s Republic of China, and the Guidelines for Investor Relations Management of Listed Companies issued by the China Securities Regulatory Commission, as well as the relevant provisions of the Articles of Association.

Communication with Investors

The Company places great emphasis on daily communication with investors, enhancing positive interactions through various channels such as earnings briefings and on-site strategy meetings. It also submits the Investor Relations Service Form for listed companies to the Listed Companies Association of the Company's statutory jurisdiction quarterly. During the reporting period, Angel Yeast participated in the 2024 Online Collective Reception Day for Investors organized by the Hubei jurisdiction, proactively held 4 earnings briefings, attended over 18 on-site strategy meetings, and received more than 50 on-site research visits. It replied to 99 investor questions through the E-Interaction platform of the Shanghai Stock Exchange and answered more than 1000 investor calls.

Information Disclosure

The Company places great emphasis on daily communication with investors, enhancing positive interactions through various channels such as earnings briefings and on-site strategy meetings. It also submits the Investor Relations Service Form for listed companies to the Listed Companies Association of Hubei quarterly. During the reporting period, Angel Yeast participated in the 2024 Online Collective Reception Day for Investors organized by the Company's statutory jurisdiction, proactively held 4 earnings briefings, attended over 18 on-site strategy meetings, and received more than 50 on-site research visits. It replied to 99 investor questions through the E-Interaction platform of the Shanghai Stock Exchange and answered more than 1000 investor calls.

Investor Education

The Company places great emphasis on investor education and rights protection, actively carrying out investor education and protection initiatives. It organized the “March 15 Investor Protection Themed Education Activity” and, in collaboration with the Shanghai Stock Exchange, held the event “I Am a Shareholder - Stepping into Angel Yeast”. By disseminating various educational and awareness-raising knowledge, we aim to enhance investors’ risk prevention awareness and promote the concepts of rational investing, value investing, and long-term investing.



External Recognition of Investor Relations Management Work in 2024:

- ★ The Company received the highest A rating from the Shanghai Stock Exchange for its information disclosure work for the 2023-2024 fiscal year.
- ★ 2023 Investor Relations Gold Award from Panorama Network
- ★ Excellent Case Award for “I Am a Shareholder - Investors Visiting Shanghai-Listed Companies”
- ★ Excellent Practice Award for the 2023 Annual Report Performance Briefing of Listed Companies by the China Association of Listed Companies
- ★ Ranked on the “2023 Annual Snowball Golden List - Top 100 Listed Companies Favored by Ball Friends
- ★ The reform and innovation experience and practices of Angel Yeast were selected as the 2024 Outstanding Practice for High-Quality Development of Hubei Listed Companies.

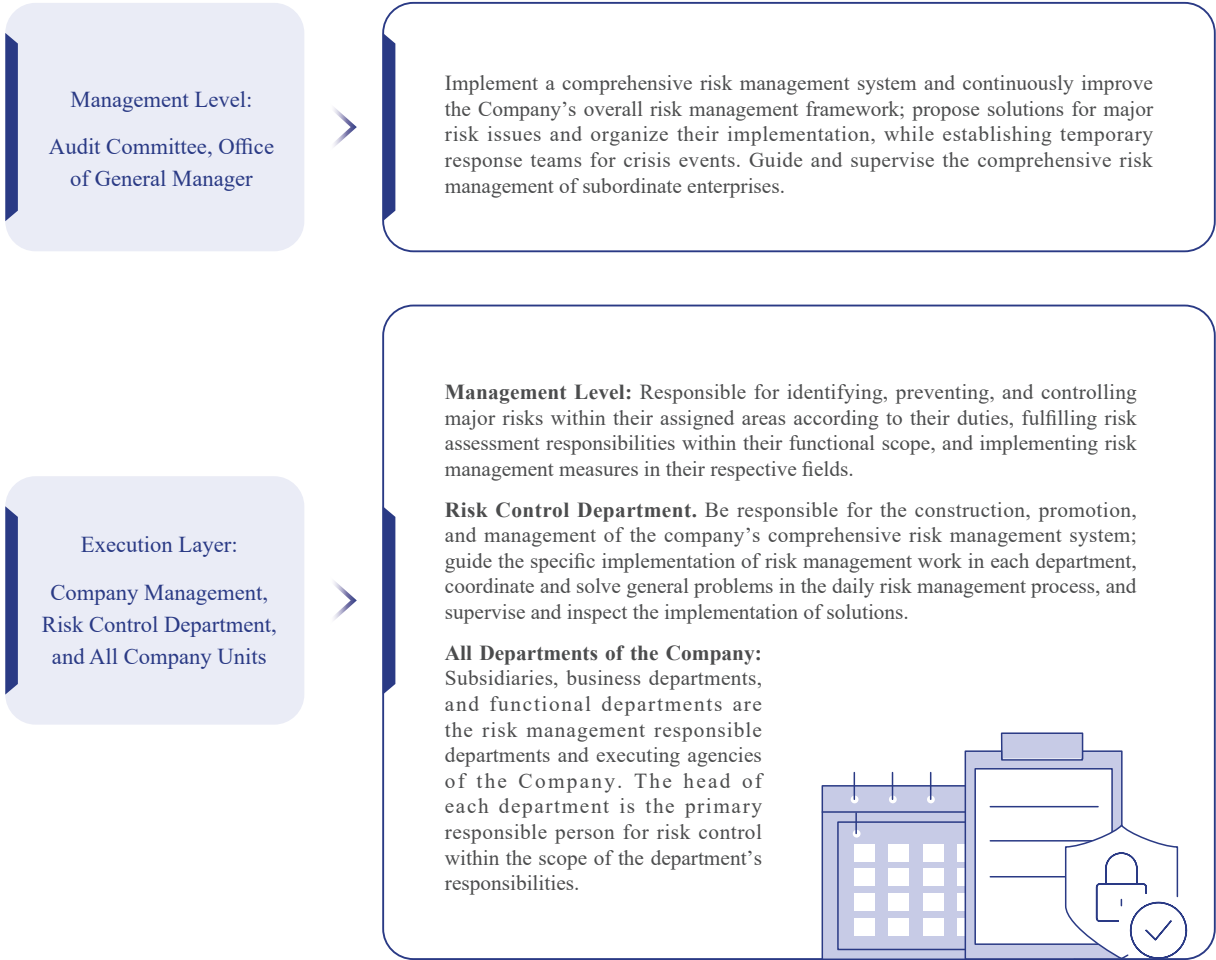
Risk and Compliance Management

Angel Yeast firmly establishes a red-line awareness, continuously optimizes its risk management and internal control systems in accordance with the latest legal and regulatory requirements of its operating locations, strengthens emergency management for corporate public incidents, ensures early identification and control of potential risks, minimizes negative impacts, and promotes the sustained, healthy, and stable development of Angel Yeast.

Risk Management

The Company continuously establishes and improves a comprehensive risk management system and formulates the Comprehensive Risk Management Regulations. The Company’s comprehensive risk management organizational system consists of the Board of Directors, the Office of General Manager and the executive management, Risk Management Responsible Departments, Risk Management Functional Departments, and Risk Management Oversight Departments. Focusing on major risks, major events, major decisions, important management and business processes, it conducts self-assessment and inspection of the implementation of risk identification, risk assessment, risk management strategies, and internal control mechanisms, and makes timely improvements according to changes and existing deficiencies.

Angel Yeast Risk Management System



Angel Yeast Risk Management Procedure



 Audit Supervision

The Company strictly adheres to laws and regulations such as the Audit Law of the People’s Republic of China, the Regulations of the National Audit Office on Internal Audit Work, the China Internal Auditing Standards, and the Basic Norms and Guidelines for Enterprise Internal Control, as well as normative documents including the Articles of Association and the Implementation Rules of the Board Audit Committee. It carries out audit supervision in compliance with these requirements and has established a comprehensive institutional framework centered on the Internal Audit System, which encompasses the Management Measures for Departure Audits, the Detailed Rules for Internal Audit Work, and the Management Measures for Internal Control Evaluation. By reviewing and evaluating the appropriateness, legality, and effectiveness of business activities and internal control, it promotes the high-quality and healthy development of the company. During the reporting period, a total of 25 audit projects were completed. Based on issues identified during the audit process, rectification recommendations were proposed. Continuous audit supervision services were provided to safeguard development and mitigate risks.

 Compliance Management

The Company has formulated the Compliance Management Measures in accordance with laws and regulations such as the Company Law of the People’s Republic of China, the Guidelines on the Compliance Management of Enterprises’ Overseas Operations, the Compliance Management Guidelines for Enterprises Invested by the Yichang State-owned Assets Supervision and Administration Commission (Trial Implementation), and the Comprehensive Risk Management System of Angel Yeast Co., Ltd., as well as internal management systems. These measures aim to effectively prevent and control compliance risks, targeting the business management behaviors of the Company, its subsidiaries, and employees. They encompass organized and planned management activities, including system formulation, risk identification, compliance review, risk response, accountability, performance evaluation, and compliance training. In 2024, the Company launched the “Compliance Management Enhancement Year” initiative to further strengthen the “three lines of defense” in business operations, risk control, audit, discipline inspection, compliance, and risk management.

Angel Yeast Compliance Management Procedure



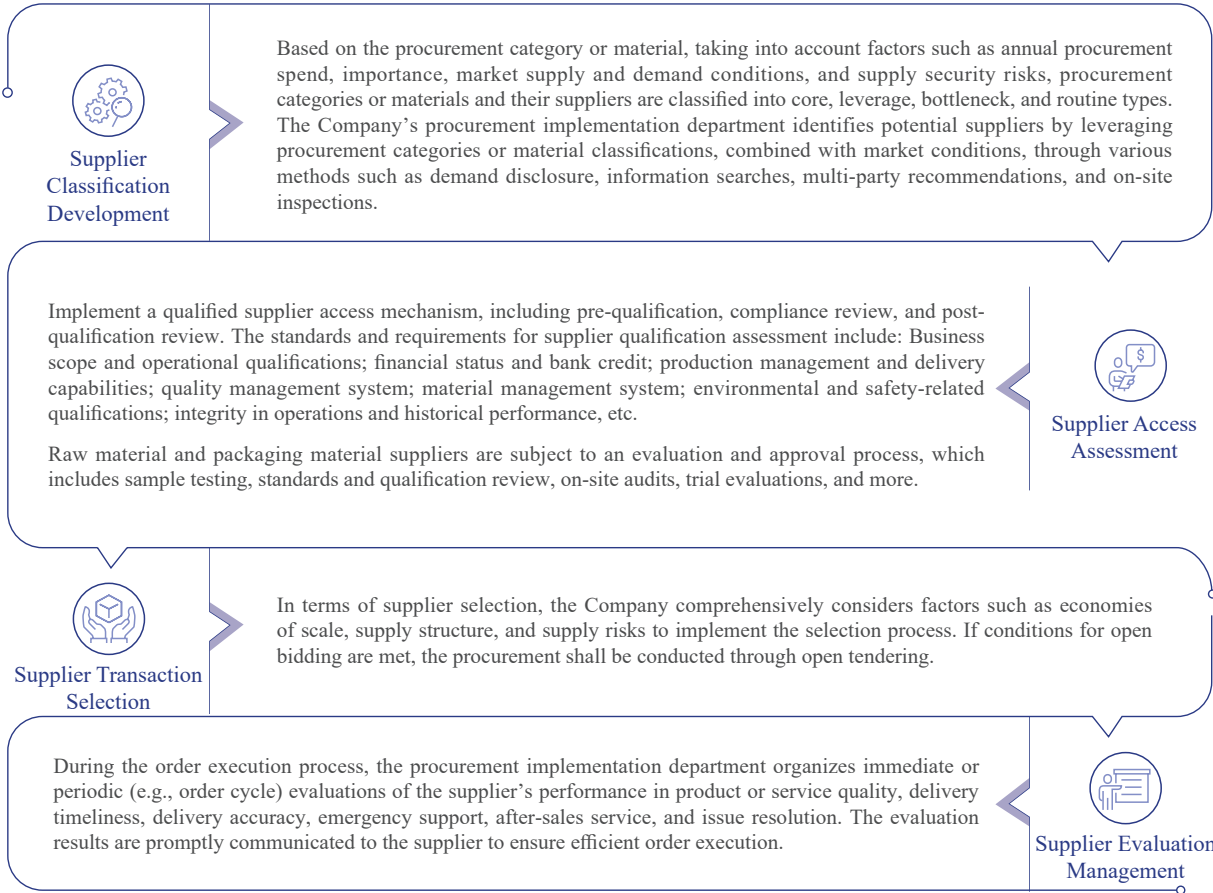
Adhering to Responsible Procurement

Angel Yeast considers building a responsible supply chain as a key measure to implement responsible procurement practices, regarding it as the cornerstone of sustainable operations. The Company is committed to collaborating with upstream and downstream partners to create an environmentally friendly and socially responsible supply chain system.



Supplier Management Procedures

The Company has formulated the Supplier Management Measures, which define the management requirements for various stages, including supplier classification and development, evaluation and selection, rating and grading, as well as assessment and exit. The Company’s functional departments, including R&D, technology, production, quality, safety, and environmental protection, are responsible for participating in the qualification review, entry assessment, and routine audits of various suppliers. This ensures that procurement projects and supplier conduct comply with the Company’s operational and management requirements.



Procurement

In response to changes in both internal and external environments, the Company has established and improved procurement-related policies. Additionally, it promptly revises these procurement policies to align with the latest regulatory requirements. In 2024, the Company revised 5 systems for raw material procurement business, namely the Management Measures for Raw Material Procurement, the Detailed Rules for the Management of Qualified Raw Material Suppliers, the Detailed Rules for the Management of Raw Material Procurement Warehousing, the Detailed Rules for the Management of Multiple Qualified Suppliers of Production Raw Materials, and the Detailed Rules for the Annual Review of Raw Material and Packaging Material Suppliers. For the OEM business, 5 systems were revised, namely the OEM Business Management System, the Management Measures for OEM Business Project Establishment, the Management Measures for OEM Business Procurement, the Detailed Rules for the Supervision of OEM Product Production, and the Detailed Rules for OEM Business Procurement of the Plant Protection Business Department.

In 2024, the Company conducted on-site supervision for a total of 290 days to enhance process quality control of OEM products. Throughout the year, production oversight or periodic audits were carried out at 58 OEM suppliers, resulting in the issuance of 368 non-conformities, all of which were followed up for corrective actions. The Procurement Department actively promoted the quality philosophy and requirements of “Quality Primacy, Reputation Supreme” to suppliers, achieving a comprehensive qualified rate of 99.75% for raw materials and packaging materials procurement throughout the year. Improvement plans were proposed for common quality issues in OEM products, primary agricultural products, bulk goods, and inner packaging materials, along with guidance and training to enhance suppliers’ quality management capabilities.



Supply Chain Responsibility Management

The Company has established a systematic management system to ensure that suppliers meet high standards in social responsibility, environmental protection, and business ethics. The Supplier Contract Framework incorporates the Code of Supplier’s Business Conduct as a standalone chapter, mandating compliance with labor rights (e.g., prohibition of forced labor), environmental compliance, and anti-corruption regulations. Additionally, the Company conducts social responsibility risk assessments and continuous improvement management for suppliers in accordance with the internal control standard Regulations for Qualified Raw Material Suppliers. This effort aims to mitigate environmental, social, and governance risks within the supply chain, thereby enhancing long-term supply stability and corporate reputation.

	Management Measures	Management Effectiveness
 Compliance Information Collection	All framework contracts signed with suppliers include the Code of Supplier’s Business Conduct, ensuring consistent behavioral standards throughout the supply chain.	As of 2024, all core suppliers (100%) have signed framework contracts that include the Code of Supplier’s Business Conduct.
 Training and Promotion	Every year, the team is organized to visit supplier sites to conduct social responsibility training, covering topics such as labor rights protection, environmental management systems, and business ethics.	In 2024, the number of suppliers participating in social responsibility training increased by 12% year-on-year.
 Performance Assessment	Through regular audits and third-party evaluations (such as EcoVadis), the social responsibility performance of suppliers is quantitatively monitored, and the results are incorporated into supplier selection and contract renewal decisions.	The supplier achieved a 100% compliance rate in the annual social responsibility audit, with no reported major labor or environmental violations. The Company’s score in the EcoVadis sustainability assessment has improved from 50 to 60, reflecting enhancements in supply chain environmental management, labor practices, and business ethics.



Supply Chain Risk Management

Angel Yeast recognizes that enhancing the resilience of the supply chain against major emergencies is crucial for the sustainable, stable, and healthy development of the enterprise. For supply chain risk management, Angel Yeast primarily focuses on the following four aspects:

Strengthen Strategic Supplier Management for Critical Materials. For strategic suppliers, Angel Yeast focuses on evaluating whether they possess rapid response capabilities, the ability to ensure supply during critical moments, and advantages in production capacity and technology.

Enhance Efficient Collaborative Management of the Supply Chain. Adjust the factory’s production pace and product mix in a timely manner, and schedule production based on raw material availability. Production and procurement are promptly adjusted based on demand and production plans to ensure demand fulfillment and market supply.

Establish Multi-Channel and Multi-Region Supply. To ensure stable product supply and mitigate supply chain risks during major emergencies, Angel Yeast has developed multiple supply channels and suppliers. Meanwhile, key materials should have suppliers from different regions to reduce the supply risk of major emergencies.

Establish a Contingency Plan. Regularly identify risk points at each stage of the supply chain, establish a risk register, and assess the probability of risk occurrence and the severity of its impact to prioritize supply chain risks from high to low. Develop methods, measures, and contingency plans for high-risk points in the supply chain, conduct regular drills, systematically evaluate the completeness and operability of the emergency supply chain, and reduce risks to an acceptable level. The Company has established emergency response plans, including the Emergency Procurement Plan and the Emergency Logistics Shipment Plan, and conducts regular drills during routine management activities.



Our Focus Areas in SDGs

02

Advancing Biotechnology to Deliver Nutritious and Healthy Products

Angel Yeast has restructured its technology R&D organization to align with its strategic goal of becoming the “global yeast industry leader and world-class biotech enterprise.” This initiative strengthens capabilities in fundamental research, cutting-edge technology tracking, and the development of new biotechnologies. By ensuring quality control from the source, the Company provides customers with innovative products and solutions that are “natural, nutritious, healthy, and delicious.”



Upholding the Bottom Line of Food Safety

Product Quality Is the Lifeblood of an Enterprise. We Promise: Never Compromise on Quality and Food Safety.

The Company adheres to the quality control principle of “source control, prevention-first approach, and zero-defect pursuit.” Strengthen awareness campaigns and training on quality for all employees, rigorously evaluate and select suppliers to ensure quality from the source; comprehensively implement advanced management systems across all areas, establish key control point monitoring systems, and build traceability mechanisms to achieve full-process control aligned with international standards; each factory is equipped with a standardized testing center to provide accurate and robust support for quality management; a structured quality issue resolution mechanism ensures full protection of customer interests. The Company has successively won the Third China Quality Nomination Award and the China Quality Benchmark Award.

Quality Management and Control

The Company has established a series of regulations and management measures, including the Angel Yeast Product Inspection Management Measures, Food Safety Risk Monitoring Management Rules, New Product Quality Planning Management Measures, Product Release and Hold Management Measures, and Food Factory Design Hygiene Standards. These form a comprehensive regulatory system covering the entire quality control process. In 2024, the Company established the Food Safety Risk Control List and improved the dynamic management mechanism based on food safety risk prevention and control.



Angel Yeast Product Full Lifecycle Quality Assurance

Product Planning Stage

To mitigate risks associated with new product quality and food safety, the Company conducts quality planning for new products to ensure they meet customer requirements and relevant laws and regulations. The Company has established the New Product Quality Planning Management Procedure, which details planning for product safety, environmental protection, raw and auxiliary material management, product standards, basic production conditions, production process quality, production process technology, packaging requirements, product shipment and release, warehousing and logistics, data collection plans, estimated production dates, precautions, existing issues, and planning review conclusions. This process culminates in the Quality Planning Review Form.

The Company strictly controls the quality of raw materials by implementing detailed regulations such as the Classification Management Rules for Raw Materials and Their Suppliers, On-Site Audit Management Rules for Raw Materials and Their Suppliers, and Graded Management Rules for Class A Raw Materials and Their Suppliers. It conducts annual reviews, periodic on-site audits, temporary on-site audits, and surprise on-site audits for qualified suppliers to ensure that raw material supplies meet the Company’s quality standards.

Raw Material Quality Control Stage

Production and Transportation Stage

The Company is committed to increasing investment in equipment and information technology, creating more possibilities for quality enhancement. We have completed the full-process automation and intelligent upgrade of yeast and food ingredient production sites, established an industrial big data platform and Manufacturing Execution System (MES), and carried out automation and intelligent transformation of the warehousing and logistics system to achieve flexible, automated, intelligent, and highly integrated production processes. During the food transportation process, strictly use vehicles dedicated to food-grade logistics. Before loading, thorough cleaning and inspection must be conducted to prevent cross-contamination.

The Company has established the Product Monitoring and Testing Management Measures, which define the inspection procedures for raw materials, intermediates, and finished products. These measures ensure that any materials or products that have not been inspected or fail to meet specified requirements are not put into use, transferred to the next process, or shipped out of the factory. Additionally, corresponding testing records must be maintained. In 2024, the Company formulated and issued the “2024 Food Safety Risk Monitoring Plan,” consistently carried out food safety risk monitoring as planned, and organized investigations, analyses, improvements, and notifications for issues identified during monitoring.

Product Quality Monitoring Stage



Key Performance:



No product market sampling inspections failed throughout the year.



The first-pass yield of leading products exceeds **99.7%**.



Three subsidiaries of the Company’s QC teams were awarded the title of “Outstanding Quality Management Team in China’s Light Industry Sector.”



The Company’s yeast cell wall feed raw material and Fubang amino acid-containing water-soluble fertilizer were successfully selected for the first “**Hubei Premium**” certification.

Quality and Food Safety Certification

The Company continues to advance management system certifications, product certifications, and service certifications related to quality and food safety, ensuring the security of product quality. It has successively introduced the operation of management systems such as ISO 9001, ISO 22000, HACCP, GMP, BRC, SEDEX, and CNAS to ensure that every link of production and circulation is under the monitoring of the food quality and safety management system. In addition, we continuously maintain a series of certification systems, including Halal, Kosher, North American Non-GMO, Gluten-Free, Organic, and Vegan.



Quality and Food Safety Standards

The Company actively participates in the formulation of China's national and industry standards related to product quality and food safety. The Company has participated in drafting all Chinese national and industry standards for the yeast industry and actively engages in setting standards across the upstream and downstream sectors. As of 2024, the Company has contributed to the completion of 67 national and industry standards, with an additional 48 currently under development. These include critical product and environmental production standards for the yeast industry, such as Quality Requirements for Yeast Products, Guidelines for Classification of Yeast Products, Emission Standards for Water Pollutants in the Yeast Industry, and Evaluation Requirements for Green Factories in the Yeast Industry. Meanwhile, Angel has been actively involved in setting international standards. In 2024, the Codex Alimentarius Commission (CAC) standard for baking yeast was officially initiated, with the draft text already completed. Additionally, the ISO standard for baking yeast has been finalized and is expected to be released in the second half of 2025. By establishing advanced standards, companies can significantly enhance product quality, strengthen market competitiveness, foster technological innovation and industrial upgrading, and promote the healthy development of the industry.

In 2024, Angel Yeast participated in drafting 14 Chinese national and industry standards related to product quality and food safety, 5 of which have been officially released, including: Intelligent Manufacturing in Biological Fermentation Industry - Part 1: Control Systems, Determination of Candida utilis in Microbial Feed Additives, Terminology and Classification for Veggie Meat Analogues, Fertilizers and Soil Conditioners - Determination of Fulvic Acid Content and Carbon Coefficient, and Xylanase Preparations.

Strengthen international regulatory frameworks. Strengthen the team of international regulatory management personnel, and implement technical regulation reviews and label reviews for export products. Systematically collect and interpret pesticide residue limits for sugarcane, sugar beets, molasses, and tea in major countries, along with lists of banned pesticides, to guide residue management in production and procurement. The system collects and interprets labeling regulations from various countries to guide label design. Collect standards for yeast and yeast products, and specify them in the internal control standards.

Strengthen the collection and training on new regulations. Collect global regulatory updates monthly, provide key information interpretation, and issue a monthly technical regulation information bulletin. Regularize compliance training by organizing over 30 sessions annually.

Quality and Food Safety Culture

The Company places great emphasis on quality and food safety culture development, actively fostering a corporate culture that prioritizes quality. It continuously conducts quality and food safety training programs to enhance employees' awareness of food safety. In 2024, the Company organized a series of training programs, including internal auditor training for the five systems at both headquarters and subsidiaries, online training on integrated pest and foreign object control, and specialized training on supplier quality management. We have developed a comprehensive quality system management capability enhancement plan for all employees, and implemented weekly on-site and online synchronous training starting from October 2024.

Case



Emphasizing Customer Service Quality

Angel Yeast believes that customer satisfaction and brand loyalty are the best measures of Angel’s products and services. The Company upholds responsible marketing practices, actively safeguards consumers’ legitimate rights and interests, maintains open communication channels with consumers, and is committed to providing high-quality, efficient, and diversified services to deliver an enhanced consumer experience.

Enhancing Customer Service Experience

The Company adheres to the principle of “being more market-oriented and customer-focused,” focusing on providing comprehensive and diversified service support. It delivers tailored technical solutions centered around customer needs, continuously enhancing brand loyalty and reputation.

Produced

50+

authoritative industry and market insight reports.

Establishing and Improving Customer Service Systems

Strictly adhering to the Law of the People’s Republic of China on the Protection of Consumer Rights and Interests, we have established internal regulations such as the Customer Service Management Measures, Sales Policy Management Regulations, Customer Telephone Service Management Guidelines, and Customer Complaint Management Measures, aiming to continuously improve our service standards. While providing high-quality products to customers, we timely track industry changes and keep up with consumer demands. We have formed special reports such as global biological agriculture industry market research, and have produced nearly 50 industry and market insight reports, which provide important references for decision-making content, such as improving marketing quality and customer service quality.

Operated

12

application technology service centers across 3 continents.

Building a Global Marketing Services Network

A global marketing network has been established, with 18 Chinese sales organizations segmented by business or region and 6 international business divisions, along with 12 application technology service centers worldwide. We have established an “Internet+” business model across all operational sectors, creating a comprehensive e-commerce framework that integrates “online and offline” synergies and fosters the parallel development of “vertical platforms and third-party platforms.” Established Angel’s official online store, Biolab, and other proprietary e-commerce platforms, while also setting up shops on all major third-party e-commerce platforms, achieving a comprehensive “online + offline” omnichannel sales network.

Achieved

91%

first-call resolution rate.

Promptly Handling and Resolving Customer Complaints

Continuously improve the operation mechanism of customer service calls, enhance service quality and response speed, achieving a first-call resolution rate of 91%. Regularly collect and analyze customer feedback, handle 9,370 user calls throughout the year, actively conduct 7,189 SMS follow-ups and 211 telephone follow-ups, and handle more than 2,400 online messages, communicating with users in all aspects and through multiple channels.

According to the Company’s Customer Complaint Management Procedures, customer complaints are categorized by type into product-related and service-related based on their content. The responsible departments classify the complaints accordingly and implement improvement measures. The Quality Department serves as the designated authority, responsible for organizing and coordinating complaint handling and analysis. Other relevant departments, such as the Production Center, Technical Department, and Planning & Logistics Department, conduct investigations and implement improvements for specific complaints based on their respective responsibilities, forming a closed-loop management system for service optimization.

Conducting Annual Customer Engagement Measurement

To maintain and enhance customer satisfaction, the Company has established the Customer Satisfaction Management Measures, which clearly define the division of responsibilities in customer satisfaction management. It regularly conducts annual customer engagement measurements and, based on the satisfaction survey results, formulates targeted improvement plans and actionable measures to drive continuous enhancement of customer satisfaction.

Angel Yeast Customer Satisfaction Management Key Processes



Conducting Responsible Marketing

Angel Yeast strictly complies with laws and regulations such as the Advertising Law of the People's Republic of China, the Anti-Unfair Competition Law of the People's Republic of China, the Food Safety Law of the People's Republic of China, and the Food Labeling Management Regulations. The Company has established internal management systems, including the Advertising Management Measures, Brand Development Management Measures, and Online Sales Authorization Management Guidelines, to standardize advertising and marketing practices.

In terms of product promotion

the Company strictly prohibits infringement of others' copyrights in text, images, audio, or video. Misleading or sensitive visuals, as well as restricted vocabulary, are not permitted in advertising expressions. Set up a content review process in the advertising management system, involving the Company's marketing department, risk management, and related publicity teams for deliberation. This includes compliance with the Company's brand VI guidelines, adherence to legal and regulatory requirements, alignment with the ideological principles of socialist core values, corporate advocacy, and the preferences of the target audience.

In terms of product packaging

conduct a compliance review and unified management of product labels and nutritional health information.

Customer Information Privacy Protection

The Company places high importance on customer information security and privacy protection, strictly adhering to relevant laws and regulations such as the Cybersecurity Law of the People's Republic of China and the Personal Information Protection Law, and is committed to safeguarding consumer privacy.

Through rigorous technical and managerial measures, Angel Yeast has not experienced any major data breaches to date, ensuring effective protection of consumer data.



Strengthening Biotechnology R&D

Since the establishment of Angel Yeast, innovation has been ingrained in the Company's sustainability DNA. Guided by the product development philosophy of "natural, nutritious, healthy, and delicious," Angel Yeast emphasizes technological innovation and continuously increases R&D investment. The Company has established multiple technology centers and innovation platforms, organized over a hundred key research projects, obtained more than 300 authorized invention patents, and has been awarded two National Science and Technology Progress Awards and 38 provincial and ministerial-level Science and Technology Progress Awards in China.



Held **300+** granted invention patents

Led or participated in formulating all national and industry standards for the yeast sector

Innovation Mechanism Development



Focusing on Improving the System and Mechanism for Scientific and Technological Innovation.



A total of 18 innovation systems have been established and improved, including the R&D Management System, R&D Project Management Measures, New Product Development Management Measures, External Technical Experts and Consultants Management Guidelines, External Technical Cooperation Management Measures, and Major Technological Innovation Incentive Measures.

Strengthening the Coordination of Innovation Resources and Team Building.



To promote the deep integration of scientific and technological innovation with industrial innovation and improve decision-making efficiency, the Company has established organizational and talent mechanisms such as a Technology Committee, Chief Experts, and Senior Experts. It has gathered an innovative talent pool with PhDs and master's graduates as the core, supplemented by external experts and consultants, forming the foundation for the company's innovative development. A team of 56 expert consultants has been appointed, including 4 academicians and 7 international experts. The expert consultant team has effectively synergized talent and intellectual resources in advancing process optimization and project construction, fundamental research, new product launches and customer development, as well as vertical technology projects and honor applications. This has significantly contributed to consolidating the Company's industry position, shaping its brand image, and accumulating technical capabilities.

Establishing an Internal Mechanism for the Transformation of New Technologies and Industrial Achievements.



With a focus on industrialization goals, the Company guides technical units to carry out competitive technological innovation, external technical cooperation, and research work aligned with corporate strategies. Scientific and feasible methods are used to review, evaluate, and demonstrate scientific and technological achievements, assessing their technical level, research output, transformation risks, and economic benefits.

Construction of Innovation Platform

The Company has built an innovation platform for global leading yeast technology and first-class biotechnology, including a 36,500-square-meter R&D complex that can accommodate over 1,500 researchers and office staff. On this basis, 29 internal platforms are planned, such as a strain resource development platform and a synthetic biology R&D platform, with equipment assets reaching RMB 200 million.

Long-term cooperation has been established with universities, research institutions, and tech enterprises, integrating independent R&D with industry-university-research collaboration through strategic partnerships in talent training, project cooperation, platform co-construction, and resource sharing. Relying on scientific and technological innovation, we will break down the barriers to the entire chain of development from technology development to product application and industrial implementation, accelerate the efficiency of results transformation, and ensure that we seize the initiative and gain an advantage in the new round of competition in the biotechnology industry. We have established or are currently collaborating with a total of 78 institutions, including 36 research institutes, 21 colleges and universities, 5 foreign research institutions, 16 industry associations, and upstream and downstream enterprises in the industry.



Major Innovative Achievements

In 2024, the Company upgraded its key product series, achieving significant results in the application of several critical technologies.

Key Product Improvements and Upgrades.

Throughout the year, multiple new product projects and product improvement initiatives were completed as planned. Over 200 new self-produced products were launched, generating revenue of RMB 186 million. The market performance of new products such as Angel small-packaged yeast, export-grade green tea, and high-tolerance brewing koji met expectations. Specialized proteases for extracts, YEF-33 and YEF-41, serve as alternatives to papain. Successful upgrades of BH4 and BH4+ high-sugar yeast strains were achieved, with the premium product rate of low-sugar yeast BWT increasing by over 30%. Nucleotide-based YE and alcohol yeast achieved strain iteration and process improvements, reducing costs and increasing efficiency by over RMB 10 million.

Significant Applications of Core Technologies

Nine major technological innovation projects, including key technologies and applications for fermenting yeast from starchy raw materials, targeted breeding techniques for industrial traits of baker's yeast, optimization and application of extract enzymatic hydrolysis systems, and quality improvement of reagent-grade yeast extracts, have addressed critical technical issues in strains, production processes, costs, raw materials, and premium product yield. These advancements have significantly enhanced the technical and economic indicators of the Company's key products.

Honors

- ★ Construction and Industrial Application of a Major Functional Microbial Resource Library for Traditional Chinese Rice and Flour Fermented Products won the Hubei Provincial Science and Technology Progress Award (First Class).
- ★ Key Technologies and Applications for Nutritional Regulation of Intestinal Health in Pigs and Poultry won the Hubei Provincial Science and Technology Progress Award (First Class).
- ★ Key Technology Innovation and Application for Dual Enhancement of Flavor and Health in Composite Seasonings won the Technology Progress Award (First Class) from the Chinese Institute of Food Science and Technology.
- ★ Eight new scientific and technological achievements were appraised or accepted, with Key Technology Innovation and Application for Dual Enhancement of Flavor and Health in Composite Seasonings recognized as internationally leading.

Intellectual Property Management

Angel Yeast complies with laws and regulations such as the Patent Law of the People's Republic of China, the Trademark Law of the People's Republic of China, and the Copyright Law of the People's Republic of China, continuously improving its intellectual property management system. While actively advancing intellectual property protection efforts, we integrate IP protection into the entire product development process. At key stages such as project initiation, development, and market launch, we conduct intellectual property searches and infringement risk analyses to safeguard the innovative achievements of others. As of the end of 2024, Angel Yeast had not encountered any patent infringement cases.

In 2024, the Company:

Patent applications: 195 (105 invention patents), With 75 authorizations.

By the end of 2024:

A total of 1,533 patents have been applied for, including 282 valid Chinese invention patents, 107 foreign invention patents, 255 utility model patents, and 52 design patents. The patent applications cover various technical fields related to yeast and its related products. The company has participated in formulating all national and industry standards for yeast and yeast derivatives. Chinese National Standards and Industry Standards

The Company participated in the formulation and implementation of various national and industry technical standards in China in 2024:

Five Chinese National Standards: Pastry and Bread Baker, Pastry Decorator, GB/T 45033-2024 Determination of Candida utilis in Microbial Feed Additives, GB/T 44336-2024 Terminology and Classification for Veggie Meat Analogues, GB/T 34765-2024 Fertilizers and Soil Conditioners - Determination of Fulvic Acid Content and Carbon Coefficient

One Industry Standard: QB/T 5966.1-2024 Intelligent Manufacturing in Biological Fermentation Industry - Part 1: Control Systems

Focusing on Product Nutrition and Health

Angel Yeast is committed to the mission of “Advancing Biotechnology, Innovating Healthy Living,” continuously bringing health and happiness to people’s lives through yeast microorganisms.

Angel Yeast developed bread yeast, which was the first to be applied in the field of Chinese staple food like steamed buns, completely overcoming the drawbacks of traditional “old dough” methods such as slow fermentation, unhygienic conditions, and the need for alkali addition. This innovation provided a nutritious and healthy approach to the staple diet of Chinese people. They pioneered the “aluminum-free” technology for fried dough sticks, eliminating the long-standing issue of aluminum contamination in this traditional Chinese food. This breakthrough has provided peace of mind for fried dough stick vendors and allowed the public to enjoy healthy, safe fried dough sticks. Angel Yeast Extract aligns with the global food industry’s trend and demand for salt reduction, delivering the effect of “Salt down, freshness and flavor up.” It provides the food industry with a mature and excellent salt-reduction solution, meeting consumers’ growing demand for both healthy and delicious food.

Human Nutrition

Angel Nutritech is the Company’s flagship health product brand, dedicated to leveraging yeast and fermentation technology as its core, with a strong focus on nutrients. It has developed numerous high-tech patented products, establishing itself as a renowned brand in China for yeast-based health foods and maternal-infant nutrition.

Main Products

Yeast protein powder, probiotics, yeast zinc, yeast selenium, yeast polysaccharides; yeast essence skincare product series; selenium-enriched yeast, zinc-enriched yeast, chromium-enriched yeast, yeast β -glucan, and other raw materials.



Animal Nutrition

We adapt to the demands of antibiotic-free, environmentally friendly, green, and safe animal husbandry by deeply developing and promoting yeast derivatives such as feed yeast, yeast hydrolysate, yeast cell wall, and yeast selenium, along with related application technologies. These serve various sectors, including poultry and livestock, ruminants, pets, and specialty farming.

Main Products

Feed-grade highly active yeast, yeast hydrolysate, selenium yeast, yeast cell wall, mycotoxin adsorbent, etc.



Plant Nutrition

Dedicated to the comprehensive and resourceful development of yeast metabolites, we develop and promote innovative yeast-derived fertilizers such as organic fertilizers, bio-organic fertilizers, water-soluble fertilizers, and organic-inorganic compound fertilizers. These products are applied in high-quality agricultural production, organic crop cultivation, soil remediation, and aquatic animal health protection.

Main Products

Yeast-derived bio-organic fertilizer, organic fertilizer, water-soluble fertilizer, aquatic fertilizer, etc.



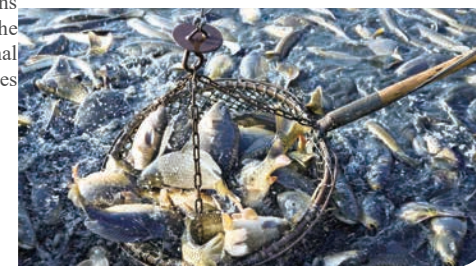
Aquaculture Nutrition

Leverage the resource advantages of yeast metabolites and the technological strengths of yeast biotechnology to achieve functional product enhancement. Fully meet the safety, environmental protection, quality, and efficiency requirements of the external water environment and internal intestinal environment for special aquaculture species such as fish, shrimp, crabs, clams, shellfish, and sea cucumbers.

Main Products

Yishui Series: Yishui Youshuang, Yishui Youzao, Yishui Youtan, etc.;

Lisheng Series: Xinchang Lisheng, Ganchang Lisheng, Lisheng Jinjing, etc.



Case

Glucose Control - Get the “Chromium” You Need

In today’s fast-paced world, a growing health concern is quietly affecting younger populations—the rising threat of diabetes. Research has shown that chromium supplementation can benefit individuals with high glucose or prediabetes, offering a scientifically supported approach to better glucose control.

Angel Yeast, with its profound research capabilities and technological expertise, has pioneered the unique chromium-enriched yeast. Through hundreds of generations of subculture and purification, inorganic chromium (CrCl₃) is transformed into organic chromium, which is more easily absorbed and utilized by the human body.

Chromium-enriched yeast is rapidly absorbed into the bloodstream after oral administration and slowly releases chromium in the body, maintaining prolonged physiological activity. This characteristic endows chromium-enriched yeast with significant potential in improving chromium absorption and regulating glucose levels. Existing research reports indicate that chromium-enriched yeast can significantly reduce fasting and postprandial glucose levels in diabetic patients while improving insulin sensitivity. In addition to its direct glucose control effects, chromium-enriched yeast can also positively impact the prevention and intervention of diabetes and its complications by regulating the body’s redox state and alleviating oxidative stress damage.



Case

“Harnessing Microbial Protein” – Unlocking a New Frontier in Healthy Food

Protein is one of the most fundamental nutrients for the human body. Angel Yeast, as China’s largest yeast enterprise, has taken the lead in developing yeast protein.

east has an exceptionally high protein content, surpassing that of high-protein foods like meat, eggs, and dairy. Extensive research has demonstrated that the digestibility, absorption, and utilization rate of yeast protein are on par with whey protein and superior to plant-based proteins such as soy protein and pea protein. Research has found that yeast protein has a significant protective effect on the intestinal and gastric mucosa.



Our Focus Areas in SDGs



03

Clean and Low-Carbon Development to Build a Model for Green Operations

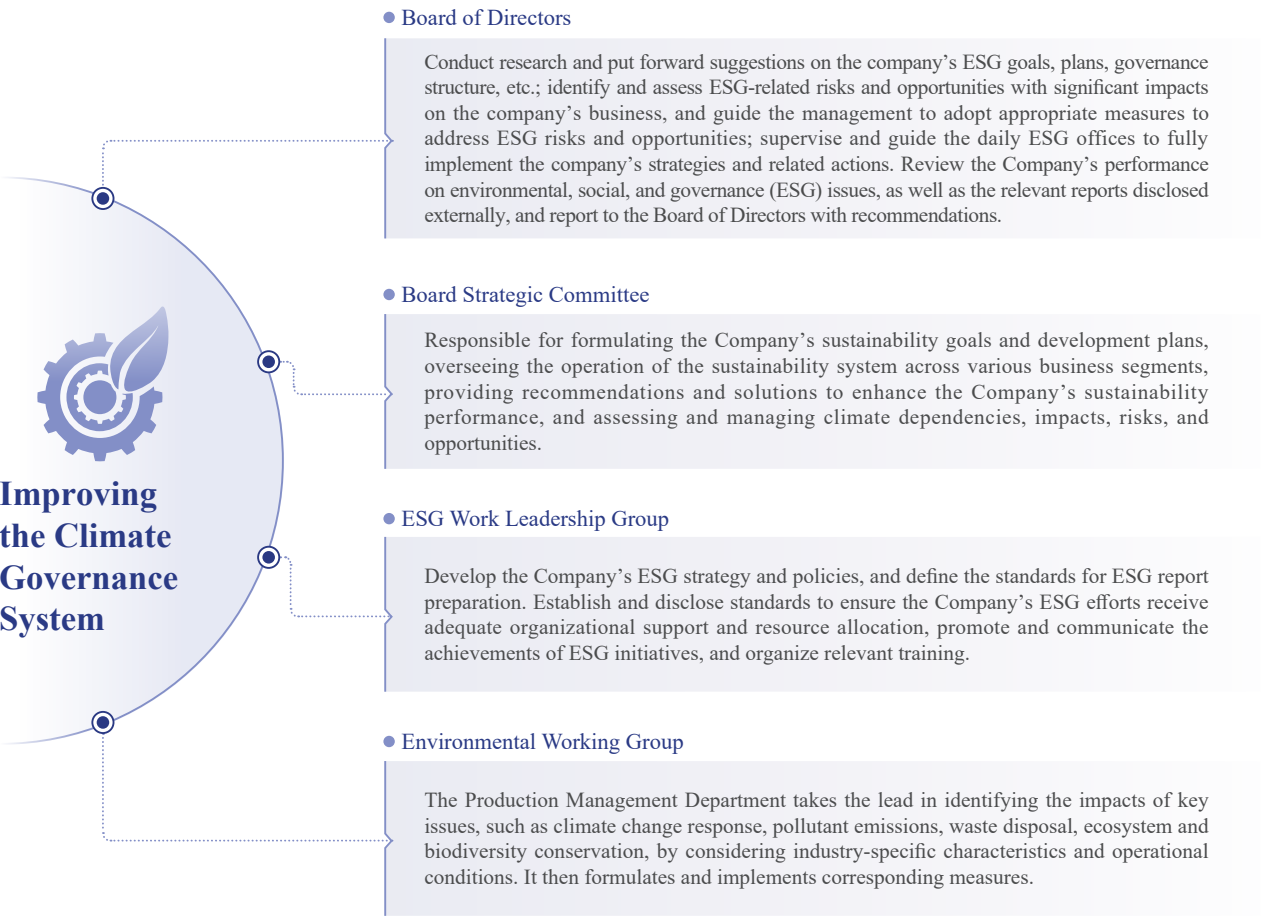
Angel Yeast actively addresses climate change by identifying risks and formulating solutions, adhering to low-carbon operations. Through energy conservation, emission reduction, and optimizing production processes, the Company reduces its carbon footprint. It promotes green office practices, enhances resource utilization efficiency, and prioritizes biodiversity protection, comprehensively implementing sustainability principles to contribute to environmental conservation.

Response to Climate Change

Angel Yeast has integrated climate goals into its long-term strategic planning, systematically advancing its green and low-carbon transformation by improving governance systems, setting emission reduction targets, identifying climate risks and opportunities, and strengthening impact management.

Improving the Climate Governance System

The Company is refining its climate governance system. Under the leadership of the Board of Directors, it oversees and manages climate-related goals and their progress, jointly advancing the effective implementation of climate-related strategies and risk management initiatives. Efforts are being made to thoroughly and deeply implement the “dual carbon” goals, with clearly defined management responsibilities at all levels to ensure the orderly execution of carbon management tasks and support the achievement of carbon reduction targets.



Developing Climate Strategy Planning

We will holistically consider the relationship between green and low-carbon transformation and the Company's high-quality development, actively foster new drivers for sustainable growth, and build more competitive industrial, supply, and value chains. At the same time, based on the characteristics of our industry and the Company's actual conditions, we effectively identify and manage climate-related risks* and opportunities. We integrate climate-related risks into the organization's overall risk management framework by aligning them with key operational activities, while firmly grasping the industry development opportunities brought by climate change.





Case Study

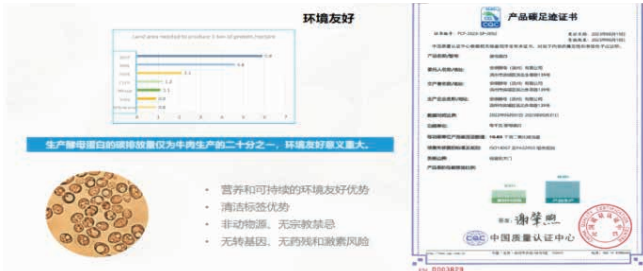
Angel Yeast Leads the Development of Yeast Protein to Support “Carbon Emission Reduction”

The yeast protein developed under the leadership of Angel Yeast boasts nutritional value comparable to whey protein, with outstanding advantages such as high production efficiency, low carbon emissions, and sustainable supply. It effectively implements carbon emission reduction and addresses the supply of high-quality food protein, making it a typical representative of the new quality productive forces.

• The production of yeast protein better aligns with the requirements of environmentally friendly development.

Yeast protein is extracted from natural brewer’s yeast. The production of yeast has been fully industrialized; as long as there is a sufficient supply of molasses, yeast can be cultivated

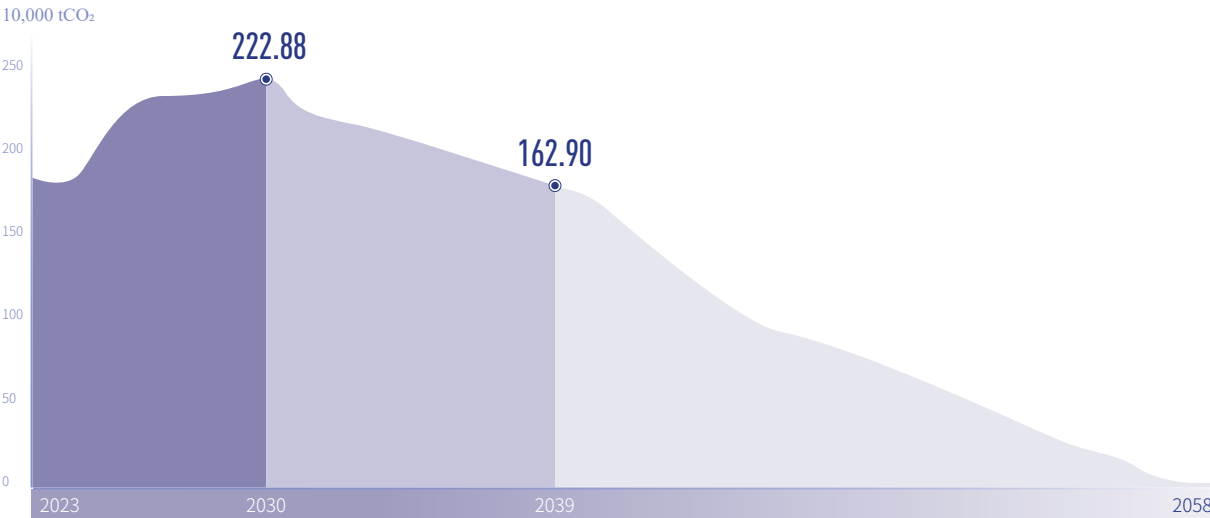
continuously in fermentation tanks 24/7. Factories can operate non-stop, unaffected by climate or time constraints. Compared to the production of other proteins, plant-based protein production requires significant amounts of arable land and water resources, while animal-based protein production emits large quantities of carbon dioxide. In terms of carbon dioxide emissions alone, yeast protein produces only 1/20th of animal protein and is comparable to factory protein. Regarding water consumption, yeast protein uses just 1/200th of animal protein and 1/10th of factory protein. Additionally, it requires significantly less land—1/100th of animal protein and 1/10th of factory protein. As a result, yeast protein offers substantial advantages in reducing carbon emissions, conserving arable land, and preserving freshwater resources, making it a green, safe, and highly efficient protein source.



Metrics and Targets

The Company is committed to integrating environmental protection as a key component of high-quality development. In response to environmental requirements, it has established clear climate goals and performance metrics, ensuring that all departments implement specific action plans. Moreover, the Company continues to increase environmental investments and optimize existing pollution control facilities to achieve these targets.

Timeline and Roadmap of Carbon Peak and Carbon Neutrality for Angel Yeast Co., Ltd.



Peaking Period (2023-2030)	Carbon Reduction Period (2031-2038)	Decarbonization Period (2039-2058)
- Implement energy-saving equipment upgrades to improve energy efficiency levels. - Promote clean coal utilization and clean energy substitution - Optimize production processes to enhance energy utilization efficiency - Establish a carbon emission management system and improve the carbon statistics platform.	Based on fully considering the Company’s development and emission reduction costs: - Large-scale promotion of biomass energy applications; - Increase the proportion of clean energy and green electricity usage; - Implement the orderly phase-out of fossil fuels such as coal.	- Comprehensively advance the replacement with clean energy - Application of Negative Carbon Technologies - Strive for Dehong Company to achieve carbon neutrality by 2039. - Carbon Neutrality at the Operational Boundaries of the Joint-Stock Company by 2058



2024 Key Performance



Enhancing Climate Impact, Risk, and Opportunity Management

We continuously carry out processes to identify, analyze, monitor, and manage climate-related risks and opportunities, providing inputs and basis for the formulation and adjustment of climate-related strategies, as well as the determination of targets and indicators for the “dual carbon” action plan.

	Identification We regularly collect climate-related research reports from industries, research institutions, and media, monitor and analyze relevant policies, laws, and regulations, benchmark against global best practices in climate disclosure, and identify significant physical risks, transition risks, and opportunities for the Company based on its actual conditions.
	Analysis and Assessment Based on the identified risks and opportunities, we systematically evaluate the extent and scope of their impact on the Company’s business model and value chain, including operational regions and timeframes, as well as the financial implications.
	Strategy and Actions Develop a comprehensive climate response strategy and actions based on the impact’s content and scope, and designate the responsible department to formulate corresponding measures.
	Supervision and Control Break down indicators and objectives layer by layer to each department, and track and evaluate the achievement of these indicators and objectives.

Enhancing Resource Management

Angel Yeast comprehensively strengthens resource management, optimizes energy usage, enhances water efficiency, strictly controls emissions, wastewater, and waste, promotes green packaging, and practices circular economy to drive green development in an efficient, low-carbon, and sustainable manner.

Energy Management

The Company optimized production processes, advanced energy conservation and consumption reduction, and promoted green energy substitution, systematically enhancing energy management efficiency. This significantly reduced energy consumption and carbon emissions while actively exploring the development of zero-carbon factories. By integrating intelligent management methods, the Company effectively drove the green and low-carbon transformation.



Improving Process Technology

Conduct process improvements such as increasing yeast fermentation yield, optimizing separation and washing, and developing low-cost propionic acid-resistant techniques. Implement improvements such as fluidized bed screen plate modification, converting series four-cyclones to parallel, and adding small cyclones to enhance drying continuity and recovery rate. At Yichang and Pu'er companies, cell wall evaporation is followed by re-drying to reduce energy consumption and save energy costs.

Reducing Energy Loss Rate

Organize and implement peak-shifting electricity usage to reduce costs, in conjunction with time-of-use pricing policies, and urge production lines to optimize scheduling and precise dispatching to conserve electricity. Organize factories in the industrial park to carry out a special campaign to reduce losses and improve yield rates, lowering energy consumption by enhancing production efficiency. The total energy consumption was 622,000 tons of standard coal equivalent, saving 38,000 tons compared to the plan, with a saving rate of 5.7%.

Equipment Renovation and Upgrading

Collect policies and standards for large-scale equipment updates, identify 1,269 sets of low-efficiency equipment, and update 175 sets with a total capacity of 27,000 kVA. Promote the application of new equipment such as maglev units, energy-saving chillers, and heat recovery retrofits, achieving significant results in energy conservation and emission reduction, saving 7,661 tons of standard coal.

Promoting Energy Substitution

Promote cost reduction through green energy substitution, and implement 73 energy-saving and emission-reduction projects with an investment of RMB 58.18 million. Promote photovoltaic new energy power generation, with photovoltaic power generation exceeding 170,000 kW•h.



2024 Key Performance

Non-Renewable Energy Consumption

Gasoline 170,465.62 Liter

Diesel 466,245.60 Liter

Coal 458,459.75 Tons

Natural Gas 67,295,422.81 m³

Renewable Energy Consumption

PV Generation 170,381.71 kWh

Waste Heat and Waste Pressure Power Generation 91,251,396.00 kWh

Indirect Energy Consumption

Purchased Steam 893,164.93 Tons

Purchased Electricity 1,236,436,033.92 kWh

Others

Biomass 33,641.44 Tons

The volume of green electricity traded was 129.6673 million kW•h

accounting for 10.49 % of the total electricity consumption

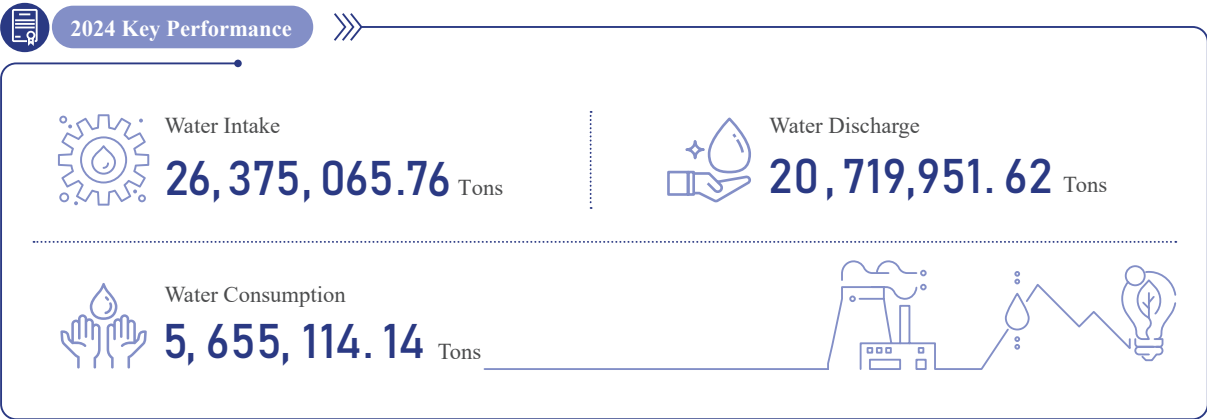
with 130,683 green certificates issued.

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Water Resource Management

The Company has increased capital investment, continuously introduced new technologies and processes, and developed innovative approaches to establish water-saving internal recycling systems. It consistently prioritizes planned water usage and water conservation in its operations. Additionally, the Company continuously conducts clean production audits. Through technological progress in processes and equipment, it develops industrial water-saving technologies to improve water use efficiency. A series of water-saving measures have been implemented, including reducing water consumption in separation and washing processes, reusing steam condensate, and recycling indirect cooling water. In 2024, water savings reached 1.74 million tons, with 470,000 tons saved through water-saving retrofits. The water intake per unit of yeast product decreased by 3.8% year-on-year.



Waste Disposal

The Company strictly adheres to the environmental protection laws and regulations of its operating locations in production and operational management. It formulates an environmental self-monitoring plan as required and implements comprehensive monitoring of wastewater, exhaust gas, and noise emissions through manual testing, commissioned monitoring, and online monitoring. In 2024, all pollutant emission indicators met regulatory requirements and passed the environmental monitoring conducted by the local environmental protection authorities.

Solid Waste

Actively practicing the concept of green development, the Company has formulated and implemented the Regulations on Solid Waste Management of the Joint Stock Company to ensure comprehensive compliance in waste disposal and minimize environmental impact. The current solid waste treatment fully complies with the regulatory requirements of environmental protection authorities. All solid waste resource utilization projects are operating normally, and hazardous waste is disposed of legally and compliantly. Efforts are being made to further streamline and standardize solid waste treatment processes while actively promoting waste reduction initiatives.



Wastewater

Draft the Cleaner Production Evaluation Index System for the Fermentation Industry (Yeast) to fully implement cleaner production management. Focus on monitoring pollutant discharge indicators such as COD, ammonia nitrogen, total phosphorus, and total nitrogen in wastewater emissions. Strengthen the operational management of environmental protection processes comprehensively, carry out daily supervision and inspection of environmental operation processes, and ensure stable operation of all concentrated and diluted wastewater treatment systems throughout the year. The Company is committed to the construction of environmental protection projects for new initiatives and the upgrading and optimization of wastewater treatment facilities, with a focus on advancing the implementation of new, modified, and expanded projects as well as environmental capacity enhancement initiatives in the High-Tech Zone, Dehong, Liuzhou, Chongzuo, Baiwei, and other affiliated companies. We completed the application of biogas boilers at Yichang Company and Dehong Company, and finished the construction and commissioning of new MVR systems at Pu'er Company and Dehong Company. In 2024, the Company achieved 100% compliance in wastewater discharge.

Case

Yichang Company Improves Yeast Washing Process, Saving Both Time and Water

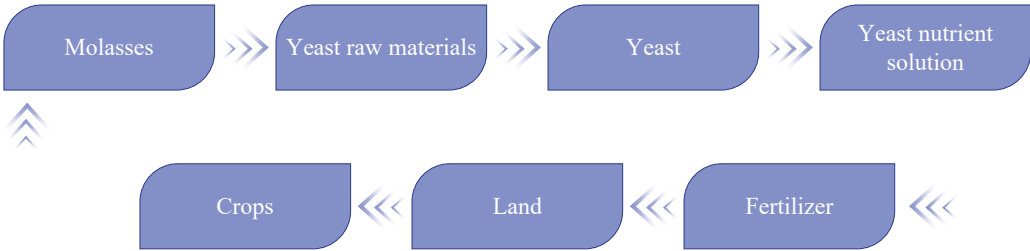
During the production of sugar-free yeast products, according to the current process, it is necessary to wash the separated and concentrated yeast milk. On one hand, this allows the yeast to restore its natural color, and on the other hand, it ensures the quality of the yeast by rinsing out impurities from the yeast milk. By eliminating the yeast milk washing step and adjusting the spray water flow rate of the filtration unit, the same washing effect is achieved without compromising quality. During the trial period, single-batch production achieved a time saving of 3 h, reduced water consumption by 50 tons, and cut costs by over RMB 2500. While ensuring quality compliance, these measures will be fully promoted to achieve large-scale water savings in the production process.



Case

Angel Yeast Implements Organic Wastewater Treatment for Yeast Production

With a cumulative investment exceeding RMB 1 billion to tackle the global challenge of “yeast organic wastewater treatment,” the Company independently developed a comprehensive treatment technology called “separating concentrated and dilute streams for wastewater resource utilization” and took the lead in formulating the Yeast Industry Wastewater Discharge Standard. The Company utilized the purified fermentation residue from yeast production to manufacture both liquid and powdered organic fertilizers, forming a resource recycling industrial chain that includes molasses, yeast raw materials, yeast, yeast nutrient solution, fertilizers, land, and crops. This initiative has enabled the circular economy pilot enterprise to achieve multiple wins in economic, environmental, and social benefits, serving as an exemplary model for promoting sustainable agricultural development.



Waste Gases

Ensure the normal operation of desulfurization and denitrification equipment for coal-fired boilers, with key pollutant indicators in exhaust gases—NOx, SO2, and smoke dust—consistently meeting standards. Place high importance on odor control, intensifying the introduction, research, and engineering application of advanced odor treatment technologies. Key initiatives include the construction and commissioning of Phase I fermentation exhaust gas facilities at Liuzhou Company, drum granulation exhaust gas facilities at Yili Fubang Company, and cranberry production exhaust gas facilities at Baiwei Company. Additionally, the solvent recovery project at Yichang Company has been successfully installed.

Noise

Through regular noise monitoring at the factory boundary combined with daily inspections, all units of the Company have achieved compliant noise emissions, meeting regulatory requirements.





Developing the Circular Economy

Guided by the principle that “environmental protection is also competitiveness,” we established an environmental technology center, continuously increased R&D investment, promoted circular economy and green production, and built a “resource-efficient and environmentally friendly” enterprise.

Comprehensive Utilization of Molasses

Utilizing molasses, a byproduct of sugar production, to manufacture yeast and yeast-derived products, which are widely applied in food, brewing, bioenergy, and other fields, extends the sugar industry chain and serves as an exemplary model for promoting the development of the circular agricultural economy.

Turning Waste Metabolites into Treasures

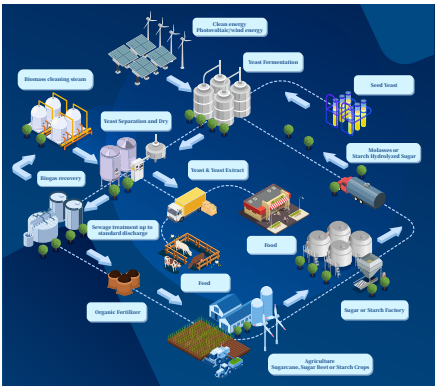
The organic matter enriched and recovered from wastewater is transformed into a valuable resource. The yeast-derived organic fertilizer produced can promote microbial proliferation, improve soil quality, and enhance crop nutrient utilization efficiency,



Case

Angel Yeast Explores the Formation of a Circular Economy Industrial Chain

The Company has gradually explored and developed a circular economy industrial chain where “raw materials come from agricultural product processing, main products end up on dining tables, and by-products return to serve agriculture again.” This achieves a win-win-win scenario for economic, environmental, and social benefits.



Comprehensive Utilization of Resources in Yeast Production

achieving both quality improvement and yield increase. It effectively addresses issues such as soil acidification, compaction, and fertility decline caused by long-term chemical fertilizer use.

Sustainable Packaging Management

Improve product qualification rates, reduce packaging material waste in terms of costs, repurpose old packaging materials by labeling them for secondary processing, minimize packaging material usage throughout the entire process, and lessen environmental impact.

Packaging equipment upgrade

Replacing domestic horizontal machines with imported vertical machines saves RMB 1.22 million annually; domestic 500 g vacuum packaging machines replace outdated imported packaging machines; domestic fully servo-driven multi-lane machines replace outdated imported mechanically driven packaging machines.

Inkjet marking equipment upgrade

Replace inkjet coding machines with laser coding machines.

Reduce glue usage

Replacing traditional solvent-based laminating machines with solvent-free laminating machines significantly reduces the use of solvents and adhesives, aligning more closely with the concept of green development.



2024 Key Performance



Packaging Materials Calculated by Weight

16,016.68 Tons



Packaging Materials Made from Renewable

Resources 3,627.00 Tons

Advocating Green Office

Angel Yeast actively promotes the concept of a green office, advocating for green traveling, conserving water and electricity, advancing paperless operations, and exploring various energy-saving and consumption-reducing measures to create a low-carbon and environmentally friendly workplace.

Encouraging Energy-Efficient Offices



Implement various measures for staggered electricity use, encourage employees to develop awareness of saving water and electricity, and utilize smart power-off devices. When adding or updating various lighting equipment, only new, environmentally friendly, and energy-saving products are adopted. Vigorously promote the OA office system, advocate for paperless operations, promptly curb wasteful practices, and foster a green office culture.

Optimizing Resource Utilization



Renovate the office area to address the shortage of meeting rooms and workspace resources, improve the utilization efficiency of existing resources, and prevent idleness and waste. Use courier services to deliver official documents instead of the costly and inefficient employee delivery method to improve resource utilization efficiency.

Advocating for Green Travel



Promote “green travel” and encourage employees to use shared bicycles for commuting. Reduce the number and scale of meetings, minimize unnecessary business trips, and prioritize public transportation to lower travel costs and resource consumption.

Strengthening Environmental Protection Awareness



Establish a “World Environment Day” (June 5) publicity column through cloud platforms and community bulletin boards to promote ecological and environmental culture and enhance awareness of building a harmonious ecosystem. Organize and implement emergency drills for environmental protection facilities, actively participate in environmental publicity campaigns organized by local environmental authorities, and jointly foster a broad societal atmosphere for environmental protection.



Case

Chifeng Company Launches “Stepping into, Discovering Angel” Community Event

On May 30, 2024, Chifeng Company took the opportunity of World Environment Day to organize a community exchange event titled “Stepping into, Discovering Angel.” At the event site, visitors gained a detailed understanding of the circular industrial chain, sewage treatment processes, and the rational utilization of biogas and sludge resources. The Company has ingrained the concept of environmental protection in its ethos and translated it into action, continuously advancing green development through proactive measures.



Biodiversity Conservation

We actively promote green construction and the development of eco-friendly factories, resolutely protect the local original ecology, and are committed to microbial strain preservation and biodiversity conservation, contributing to sustainability.

Green Construction



Project Location

During the site selection and construction process, full consideration is given to the environment and biodiversity. For example, areas near the Yangtze River are prioritized for warehousing rather than production to minimize the impact on the ecological environment. Meanwhile, the project maintains communication with surrounding communities during construction to ensure that dust, noise, and other factors comply with regulations, minimizing disturbances to residents and the ecological environment.



Project Construction

Utilizing energy-saving engineering materials and green building materials, along with obtaining green factory certification and participating in zero-carbon declaration programs, reduces carbon emissions. Workshops and buildings employ aerogel materials with excellent thermal insulation, effectively conserving energy after application.



Project Acceptance

The entire process ensures that land ecological protection complies with government planning requirements, completes the environmental impact assessment report, considers factors such as odor, noise, and dust control, guarantees the “three simultaneities” in safety and environmental protection (i.e., simultaneously addressing environmental requirements in design, construction, and operation), and passes the final inspection.

Green Construction

The Company actively applies for green factory certification and explores pathways for energy conservation and carbon reduction. Through innovative measures such as introducing clean energy, optimizing production processes, and enhancing resource recycling, it comprehensively reduces its impact on the surrounding environment. Additionally, by relocating factories and greening the environment, it improves community conditions and preserves the original ecosystem.

In 2019

Chifeng Company became the Company’s first national green factory.

In 2021

Angel Yeast Co., Ltd. was recognized as a national green factory.

In 2022

Chongzuo Company was recognized as a national green factory.

In 2024

Yichang Company was successively recognized as a provincial and national green factory.

Strain Preservation

The Company adheres to the philosophy of “Advancing Biotechnology, Innovating Healthy Living.” By establishing a globally leading yeast strain resource bank and a plateau probiotic strain library, we actively engage in the exploration, protection, and development of microbial resources. While driving innovation in biotechnology, we prioritize biodiversity conservation as a core responsibility. Through scientific research and resource protection, we safeguard the diversity and sustainable utilization of microbial resources.



Case

Angel Yeast Launches “Angel Journey” Special Project to Protect the Diversity of Traditional Chinese Fermented Food Strains

On May 26, 2024, the “Angel Journey” special initiative (Henan Station) of China’s Traditional Fermented Food Microbial Strain Diversity Preservation Project was officially launched, jointly organized by the China National Research Institute of Food and Fermentation Industries and Angel Yeast Co., Ltd.

This research activity primarily focuses on conducting a scientific investigation into the microbial resources of traditional fermented grain-based foods in the Henan region. The research team visited over ten cities, systematically collecting a batch of traditional fermented food samples unique to Henan. They also conducted on-site visits to observe the production processes of traditional dry yeast starters, sourdough steamed buns, and fermented soybean paste balls in local households. This initiative lays the foundation for the scientific conservation and efficient development and utilization of high-quality microbial seed resources in Chinese fermented foods, promoting the inheritance and preservation of China’s traditional fermented food culture.





Our Focus Areas in SDGs



04

Warm-Hearted Giving Back to Society, Committed to Local for Local

Angel Yeast consistently fulfills its social responsibilities by providing employees with diverse development platforms and fostering a positive work environment. It actively contributes to rural revitalization by driving industrial support to increase farmers' incomes. Additionally, the Company supports community integration and development both domestically and internationally, promoting cultural exchange and sustainability. The Company demonstrates corporate warmth and responsibility through concrete actions, creating long-term value for society, and contributing to a harmonious and win-win future.

Partnering with Employees for Growth

Angel Yeast always regards its employees as the most valuable asset of the enterprise, effectively safeguarding their rights and interests, promoting their physical and mental health as well as career growth, fostering a harmonious and warm work atmosphere, and significantly enhancing their sense of belonging and happiness. This lays a solid talent foundation for the sustainability of the Company.



Protecting Employees’ Rights and Interests

The Company strictly adheres to laws and regulations, fully stimulating employees’ enthusiasm and creativity through an open and transparent recruitment mechanism, smooth democratic communication channels, and a comprehensive compensation and incentive system. It comprehensively safeguards employees’ fundamental rights and fosters a fair, respectful, and diversity-supportive work environment.

Improving Institutional Safeguards

Issue the Employee Leave Management Measures, Employee Working Hours Management Measures, Employee Rights Protection Management System, and Employee Complaint Management Measures, among other policies. Sign the Special Collective Contract for the Protection of Women Employees’ Rights and the Special Collective Contract for Labor Safety and Health, improving the basic employee rights protection mechanism and providing institutional guidance for safeguarding employee rights.

Diversity of Employment

Strictly adhere to the Labor Law of the People’s Republic of China, implement diversified employment practices, and uphold fair, open, and just recruitment principles. Discrimination based on gender, age, nationality, religion, disability, or other factors is strictly prohibited. The lawful rights and interests of foreign employees and ethnic minority employees are fully protected in accordance with the law. In terms of salary determination, adjustments, and the implementation of various benefits, equal pay for equal work between men and women is ensured, firmly safeguarding the legitimate rights and interests of female employees. Prevent forced labor and prohibit child labor, and legally protect the legitimate rights and interests of employees with disabilities.

Enhancing Democratic Management

Establish a comprehensive communication system, regularly convene employee representative meetings, and innovatively implement the “one chart, one form” work method at grassroots workplaces. Internally, set up a labor dispute mediation committee and establish a dispute mediation room. Additionally, collect monthly updates on employee relations (involving stability, complaints, and ideological trends) to fully unblock channels for employees to voice their concerns.



Optimizing Compensation Incentives

● Standardizing the Job Rank and Salary System

Ensure wage growth aligns with performance and provide compensation that is competitive within the industry and region. Improve the market-based salary distribution mechanism by establishing a system where compensation is determined based on performance contributions. Implement comprehensive performance evaluations for all employees, ensuring that salaries are tied to specific positions and adjusted accordingly when roles change. Implement a comprehensive performance evaluation system for all employees, establishing a performance-based compensation distribution mechanism where pay is determined by contribution to results. Year-end income will be linked to overall performance achievement, individual performance, and comprehensive evaluations. Provide employees with more scientific and reasonable salary benefits by continuously improving the compensation system.

● Implementing Diversified Medium-to Long-Term Incentives

Implement an enterprise annuity plan to establish a long-term talent incentive mechanism; introduce equity incentives to enhance the long-term incentive system, attract and retain outstanding talent, and fully motivate core employees; establish awards such as the Special Contribution Award to individually reward those who make outstanding contributions; set up reward mechanisms for major technological innovations and key specialized products to boost the enthusiasm of R&D personnel.

Comprehensive Benefits Package

We continuously improve the employee benefits system by offering “six insurances and two funds,” which include five basic social insurances, additional commercial insurance, housing provident fund, and enterprise annuity. Additionally, we offer a variety of benefits, including rental subsidies, free meals at the employee cafeteria, complimentary shuttle services, annual health check-ups, employee medical assistance, equity incentives, and group home purchase programs for staff. Moreover, we prioritize the work-life balance of our employees. In addition to statutory holidays and paid annual leave as required by law, we implement tailored leave policies for different scenarios. These include periodic leave for market personnel and expatriates, as well as flexible working hours for international business and R&D staff.

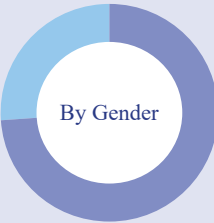
Employee Structure Data



2024 Key Performance

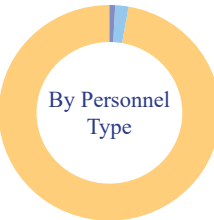


Total Number of Employees **12,196**



Male **9,030**
74%

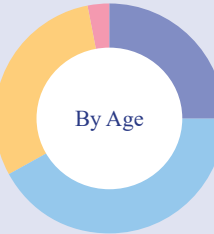
Female **3,166**
26%



Senior Management **12**
1%

Middle Management **281**
2%

Grassroots **11,903**
97%

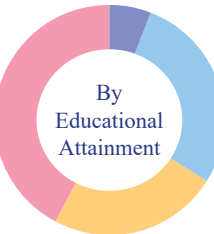


Under 30 Years Old **3,093**
25%

30-39 Years Old **5,122**
42%

40-50 Years Old **3,681**
30%

51 Years Old or Above **300**
3%



Master's Degree or Above **602**
6%

Bachelor's Degree **3,439**
28%

College Degree **2,953**
24%

Below Associate Degree **5,202**
42%



2024 Key Performance



Metric	Unit	2024
Number of Recruits from Public Recruitment	Person	581
Number of Recruits from On-Campus Recruitment	Person	349
Overall Employee Turnover Rate	%	6.00
Number of New Employees	Person	663
Proportion of Middle and Senior Management	%	2.40
Proportion of Females Among Middle and Senior Management	%	9.60
Proportion of Ethnic Minority Employees	%	16.76
Percentage of Contract Workers	%	100
Average Number of Paid Vacation Days Per Employee	Days	8
Average Weekly Working Hours of Employees	Hour	40

Support for Employee Development

The Company adheres to the philosophy that “human resources are the primary and strategic resource” and that “talent is drawn by enterprise, and enterprise thrives through talent.” It comprehensively opens up development pathways for employees at all levels, establishes and improves talent team building, and provides employees with diverse and abundant development platforms and opportunities.

Improving the Cultivation Mechanism

Establishing a Career Development Dual Channel

In addition to the administrative career channel, a professional career channel is established as “Engineer (Technician) — Senior Engineer (Senior Technician) — Principal Engineer (Master Technician)” to broaden development opportunities. Efforts are made to rejuvenate the core workforce through regular job rotations, enabling more young employees to step into prominent roles.

Career Development Dual Channel of Angel Yeast

Senior Management Team									
Sales Category		Production Category		R&D Category		Skills		Functional Management Category	
Business Unit Management Team		Subsidiary Head	Director	Head of Technology Center	Professor-Level Senior Engineer	Head of Technology Center	Master Technician	Department heads	Director/ Senior Executive
Regional Manager	Senior Manager	Minister	Senior Executive	Director	Senior Engineer	Director	Senior Technician	Director	Senior Manager
Regional Manager		Supervisor	Senior Technician	Engineer		Technician		Head	
Regional Manager		Technician		Assistant engineer		Assistant Technician		Host	
Salesman				Researcher		Technical Staff			
New Employees									

Reinforcement of Talent Team Building

Multiple rounds of reserve talent selection were implemented, allowing over 400 young professionals to stand out. Talent development was strengthened by organizing cross-disciplinary training for employees, systematically enhancing their professional skills and expertise.

丰富培训内容

Improve Organizational Mechanisms

An Education and Training Center has been established to be responsible for the centralized management of work such as training and development, and learning and education. A hierarchical and classified post-based curriculum system has been constructed to clarify the necessary knowledge and skills courses for each post. Focusing on the company’s strategic and business development needs, learning activities are organized for development capabilities such as leadership, general management ability, and internationalization ability, as well as for professional capabilities such as marketing and technology.

Conduct Diverse Training

Regularly conduct comprehensive training for cadres at all levels and specialized knowledge and skills training in various business areas to fully enhance their theoretical proficiency and performance capabilities. The training content focuses on themes such as political and ideological theory, global economic development trends, industry trends in the Company’s business sectors, outstanding corporate management concepts, and reform and innovation cases, as well as leadership skills.

Innovative Training Formats

Combine internal exchanges with “inviting experts in,” “sending employees out,” and “mobile learning.” These include intensive closed-door training sessions, monthly “micro-classroom” discussions, book-sharing sessions, as well as guest lectures and external training programs for employees. The “Zhiniao” App was also introduced to provide a platform for employees to utilize their fragmented time for learning.

2024 Key Performance

there were a total of 4,559 mandatory online courses,

live streams, and exams, with 170,610 employee participations,

averaging over 36 hours of learning per employee.

Case

Angel Yeast Widely Conducts Employee Skills Competitions

In 2024, the Company organized a series of employee skill competitions, including forklift operation contests, testing skill contests, and electromechanical maintenance contests.

Forklift Skills Competition: Participants navigated an “8”-shaped narrow path while carrying goods and performed pallet loading on a wing truck (6 pallets) in two rounds of practical tests. These tasks assessed their fundamental forklift operation skills, on-site adaptability, psychological resilience, and overall competence.

The skills competition in testing promoted learning through competition, assessing participants’ abilities in weighing, dissolving, titration, data processing, and record-keeping, fostering a positive atmosphere of comparison, learning, catching up, and surpassing.

The Electromechanical Maintenance Skills Competition combined written tests and hands-on practice, allowing mechanical and electrical employees to compete against each other in real-world scenarios. This initiative motivated all staff in the equipment department to learn new techniques and enhance their professional skills.



Skills Competition Contest



Care for Employees with Dedication

We prioritize employee well-being by organizing diverse activities to enrich their leisure time, providing support for those in need, and meeting their growing aspirations for a better life, all aimed at fostering a warm and harmonious work environment.

Enriching Employees’ Cultural Activities

By organizing diverse activities such as sports events, social gatherings, and themed festivals, we enrich employees’ leisure time, promote work-life balance, and foster a warm and harmonious corporate atmosphere.



Organize a Fun Sports Meet



Organize a Basketball Exchange Match between New and Veteran Employees.



Science Education Base Staff Parent-Child Research and Study Activity



“Connecting Youth, Building Bridges of Friendship” Youth Social and Networking Event

Support for Employees in Need

The Company introduced a management policy for employee illness care and assistance, launched group home purchase programs for talents, and established a “six-dimensional” employee care and support system to collectively address employees’ urgent, difficult, and pressing concerns.



2024 Key Performance

More than RMB **860,000** in aid and relief funds were provided to **79** eligible employees.

Financial assistance and 'Golden Autumn' scholarships totaling over RMB **420,000** were secured for **93** employees in need and their children.

Prioritizing Care for Expatriate Employees

Visiting and showing care for employees stationed at domestic and overseas subsidiaries, international market staff, and their families; establishing homes for expatriate employees; and addressing practical difficulties faced by families of expatriate employees in Yichang, such as daily life and medical care.

Improve Supporting Living Services

We provide employees with free meals, upgrade dining environments, and improve meal offerings. We have successively built various infrastructure facilities, including staff dormitories, employee activity rooms, work-break tea areas, gyms, An Xiaomei service stations, mother-and-child care rooms, and mental wellness stations, continuously meeting the living and working needs of our employees.



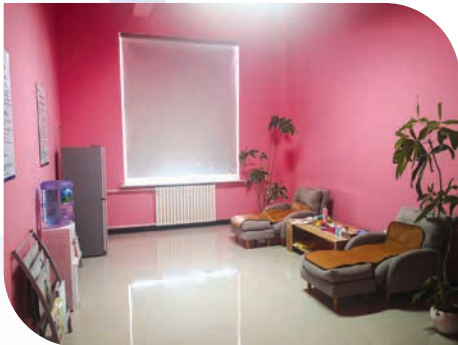
employee activity rooms



gyms



An Xiaomei service stations



mother-and-child care rooms

Protection of Employee Health

The Company always prioritizes the occupational health and safety of employees, strengthens the construction of the safety management system, improves emergency management, comprehensively enhances employees’ awareness of occupational disease prevention and health management capabilities, and creates a safe and healthy working environment to effectively safeguard their physical and mental well-being.

Implementing Safety Production

We attach great importance to occupational health and safety (OHS) management, continuously improving the OHS management system and enhancing safety standardization levels. The Company aims for “zero accidents,” continuously deepening the optimization and reform of the safety management system, improving the safety management framework, and increasing investment in workplace safety.

Safety Management System Construction

An occupational health and safety management system has been established, with eight units having obtained the Level 2 certification for standardized workplace safety. Internal audits, supervision reviews, and self-assessments of safety standardization were reviewed for relevant systems as required. The Company regularly revises and improves documents such as occupational health management systems, occupational hazard factor detection and evaluation management systems, laborers’ occupational health examination, and health record management systems, special operation risk control, emergency management, contractor management, and safety responsibility assessment systems in accordance with laws, regulations, and standards.

Intrinsic Safety Construction

With the safety mission of “adopting more informatization and intelligent technologies to enhance intrinsic safety,” we strive to create a safe working environment for employees. In 2024, the Company invested over RMB 18 million to strengthen safety technical transformations of production lines and increase investments in intrinsic safety. Through new technologies, equipment, and methods, it comprehensively and systematically enhanced the level of intrinsic safety.

Enhancing Risk Control

Taking the “dual prevention mechanism of risk classification control and hidden danger investigation and management” as the starting point, a sound risk review process was established, and a list of hazard sources was formed to control risks from the source, and a system was established where management layers are responsible for guaranteeing important risk points to strengthen process control. A major accident hazard investigation and management mechanism with the main person in charge as the core has been established.

2024 Key Performance

8 Enterprises With Secondary-Level Work Safety Standardization Certification

The number of registered safety engineers has increased to **58**, accounting for **39%** of the total safety management personnel.

2024 Key Performance



Investment in Labor Protection

1,823 RMB 10000



Investment in Safety Measures

606 RMB 10000



Total Number of Safety Incidents

2 Case



Total Number of Work-Related Injuries and Fatalities

0

Training Participants



Number of Minor Injury Incidents

2 Times

Strengthening
Emergency
Management

Establish and improve emergency response plans for workplace accidents, continuously enhance emergency response capabilities, promptly and effectively implement emergency rescue operations, and minimize casualties and property losses to the greatest extent, ensuring the safety and well-being of employees.



Number of Emergency Drill Activities

511 Times



Emergency Supplies Expenditure

45 RMB 10000



Number of Security Checks

4,000 Times



Rectification Rate of Potential Safety Hazards

100 %



The enzyme preparation company organized and conducted an emergency evacuation drill.



Chifeng Company Conducts Emergency Drill for Liquid Ammonia Leak Response

Enhancing Safety Awareness

Conducting Safety Education

We conducted multi-level safety education for employees at different levels, including new employee training, contractor construction safety education, standardized safety training for team leaders, and volunteer firefighter skills training. In 2024, the Company organized a variety of safety awareness campaigns, including “Emergency Science Popularization,” “Identifying Three Violations Through Images,” “Close Calls,” and “Family Support for Safety—Linking Corporate Safety Culture with Family Messages.” During the Safety Production Month, the Company also held distinctive training activities such as safety skills competitions, “Forklift Skills Competitions,” and “119” firefighting skills challenges. The training involved a total of 100,000 participants, continuously enhancing employees’ safety awareness through training and activities.

Implementing Occupational Health Management

We invited external occupational disease prevention experts to the Company to provide health consultations and free medical services, answering various questions on occupational disease prevention knowledge, helping employees gain a deeper understanding of the importance of occupational disease prevention. Meanwhile, the Company organized special occupational health inspections focusing on the on-site management of warning signs for hazardous positions and the provision and use of daily and emergency protective equipment. The Company extensively conducted training on the knowledge of labor protection equipment to enhance workers’ awareness of occupational disease hazard prevention.



Angel Yeast Launched 2024 Occupational Disease Prevention and Control Law Awareness Week Campaign

2024 Key Performance



Total Investment in Production Safety Training

237 RMB 10000



Safety Production Training Duration

2,430 Hour



Number of Safety Production Training Sessions

1,910 Session



Total Participants in Production Safety Training

99,177

Training Participants



Coverage Rate of Safety Production Training

100 %



Number of Safety Education and Training Sessions Conducted for Employees

1,910 Times



Total Investment in Safety Training

237

RMB 10000



Employee Health Checkup Season Health Record Coverage Rate

100 %

Contributing to Rural Revitalization

Angel Yeast consistently regards aiding farmers as a crucial social responsibility.



Consumption Assistance

The Company focuses on policies that support and benefit farmers, vigorously promotes consumption-based poverty alleviation, actively connects with various agricultural and farming cooperatives, and organizes employees to purchase poverty alleviation products. Continued financial donations are made to support rural economic development and village infrastructure, contributing to local progress.

Local Economic Assistance

The Company selects and dispatches village-based work teams to conduct regular and routine household visits for poverty-alleviated households, extremely poor households, low-income households, and monitored groups, ensuring full coverage of visits. Focusing on the two leading industries of pig farming and tea cultivation, we continued to support key enterprises such as Xinding Changshengchuan Tea Factory and Wufeng Gouju Industrial Park to expand and strengthen their operations.

By integrating the Beautiful Rural Construction Project, the Company developed the Yangdongzi Cooling Square, revitalizing idle assets through various approaches such as asset leasing, equity dividends, and property rentals to boost the local economy. These efforts aimed to achieve an annual local operating income of 230,000 yuan by 2024.

Educational Support

For three consecutive years, the Company has organized the “Hope Home·Summer Classroom” social practice activities, offering public welfare childcare classes to address issues such as the “difficulty in supervision” and “nowhere to go” faced by left-behind children in rural areas.



Community Inclusive Development

Angel Yeast actively fulfills social responsibilities through philanthropic initiatives and volunteer programs that support community development. Our diversified global citizenship programs advance local educational and environmental causes, fostering inclusive community growth worldwide, demonstrating our commitment to being a caring corporate citizen.



Dedicated to Public Welfare

The Company is deeply involved in community co-construction, encouraging employees to participate in various public welfare volunteer activities, conveying warmth through practical actions, and demonstrating corporate responsibility.

Public Welfare Volunteer Service

Every year, employees are encouraged to participate in voluntary blood donation activities. Employees responded to the “Saturday Volunteer Service” initiative, forming 26 volunteer teams with 3,247 volunteers claiming tasks on the “Yichang Volunteer” mini-program. Moreover, we supported the creation of a model civilized city by organizing 53 volunteers to participate in four “one vehicle, one person” grid-based volunteer service activities.

Conducting Yeast Science Education

Leverage our professional expertise to establish a Yeast Nutrition Technology Museum. Through initiatives such as hosting yeast science lectures, opening factory tours, and conducting campus science outreach activities, we aim to educate the public on yeast-related scientific knowledge and its wide-ranging applications in food, health, and other fields. This will continuously enhance public awareness of yeast technology while further strengthening the Company’s influence in corporate responsibility and social reputation.



Donating Love Gift Packs to Yecanping Village



Charitable Donation



2024 Key Performance



Volunteer Activity Duration
19,650 Hour



Number of Participants in Volunteer Activities
3,912 Training Participants



Average Volunteer Hours Per Person
20 Hour



Case

Angel Yeast Launches “The Mystery of Yeast Nutrition” Science Popularization Campaign

On August 2, 2024, the Angel Nutritech Science and Technology Museum’s popular science education base collaborated with multiple departments to organize a themed science popularization event titled “The Mystery of Yeast Nutrition.” On-site, through interactive Q&A and video viewing, the event vividly introduced the children of “Hope Home·Rainbow Action·Employees” to the origins of yeast, its current applications in food, biopharmaceuticals, and other fields, as well as the greater value and broader roles yeast will play in more areas in the future. This event not only helped broaden the knowledge scope of teenagers but also enhanced their scientific literacy, creating a favorable learning environment for them.



International Responsibility Practices

The Company has demonstrated the responsibility of an international enterprise through concrete actions, supporting local education, environmental protection, and community development projects to promote sustainability in countries along the Belt and Road. It has also contributed to China’s strength in advancing global economic and social progress.

 Upholding Community Responsibilities	Encourage local employees and dealers to actively engage in public welfare practices, fulfill social responsibilities, assist underprivileged children in their daily lives and education, and provide financial and manpower support in the event of natural disasters or emergencies in the local area.
 Respecting Local Culture	To meet the religious needs of local employees, designated prayer areas were set up within the factory, allowing organized and scheduled group prayers during working hours.
 Addressing Local Employment	Hire local employees to address local employment needs, sign formal labor contracts, fully comply with local laws and regulations, provide employees with corresponding benefits, and continuously increase investment in the training of international staff.
 Developing the circular economy	Actively establish a circular economy model, develop green industries, and promote the development of the local agricultural ecosystem. Convert by-products into fertilizers and feed materials for sale, thereby supporting local crop cultivation and livestock farming. Adhere to the environment-first strategy, continuously advancing environmental governance, emission reduction, and clean production, which has been recognized by the local government.
 Promoting Cross-Cultural Communication	Enhance work alignment and cultural identification between international subsidiaries and the corporate headquarters by inviting outstanding employees to the headquarters for learning, exchange, and training sessions. This will deepen management integration and mutual recognition, fostering a more harmonious labor relationship.



Case

Angel Yeast International Hosts Community Public Welfare Event

In March 2024, Angel Yeast’s Middle East & Africa Division and International Business Center jointly organized a community charity event. The initiative aimed to promote green and sustainability among students at a school in Beni Sweif, while also distributing educational supplies to support their learning. This effort reflected the Company’s commitment to giving back to society and contributing to the development of local communities.



Indexes

Shanghai Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 14

Disclosure Requirements	Corresponding Sections of This Report
Response to Climate Change	Clean and Low-Carbon Development to Build a Model for Green Operations - Addressing Climate Change
Pollutant Emissions	Clean and Low-Carbon Development to Build a Model for Green Operations - Strengthening Resource Management
Waste Disposal	Clean and Low-Carbon Development to Build a Model for Green Operations - Strengthening Resource Management
Ecosystem and Biodiversity Protection	Clean and Low-Carbon Development to Build a Model for Green Operations - Protecting Biodiversity
Environmental Compliance Management	Clean and Low-Carbon Development to Build a Model for Green Operations - Strengthening Resource Management
Energy Utilization	Clean and Low-Carbon Development to Build a Model for Green Operations - Strengthening Resource Management
Water Resource Utilization	Clean and Low-Carbon Development to Build a Model for Green Operations - Strengthening Resource Management
Circular Economy	Clean and Low-Carbon Development to Build a Model for Green Operations - Strengthening Resource Management
Rural Revitalization	Warm-Hearted Giving Back to Society, Committed to Local for Local - Supporting Rural Revitalization
Contribution to Society	Warm-hearted Giving Back to Society, Committed to Local for Local - Harmonious Community Development
Innovation-driven	Advancing Biotechnology to Deliver Nutritious and Healthy Products - Community Integration and Development
Ethics of Science and Technology	Angel Yeast’s business scope does not involve scientific research, technology development, or other activities sensitive to technology ethics, such as life sciences and artificial intelligence.
Supply Chain Security	Compliant Business Operations to Build a Solid Foundation for First-Class Development - Upholding Responsible Procurement
Equal Treatment of Small and Medium-Sized Enterprises	Angel Yeast’s report at the end of the period does not involve accounts payable (including notes payable) balances exceeding RMB 30 billion, nor does it account for more than 50% of total assets.
Product and Service Safety and Quality	Advancing Biotechnology to Deliver Nutritious and Healthy Products - Upholding Food Safety Standards and Prioritizing Customer Service Quality
Data Security and Customer Privacy Protection	Advancing Biotechnology to Deliver Nutritious and Healthy Products - Prioritizing Customer Service Quality
Employees	Warm-Hearted Giving Back to Society, Committed to Local for Local - Growing Together with Employees
Due Diligence	Compliant Business Operations to Build a Solid Foundation for First-Class Development - Risk and Compliance Management
Communications with Stakeholders	ESG Management - Communications with Stakeholders Business Compliance Operations to Build a Solid Foundation for First-Class Development - Investor Relations Management
Anti-commercial Bribery and Anti-corruption	Compliant Business Operations to Build a Solid Foundation for First-Class Development - Upholding Business Ethics
Anti-unfair Competition	Compliant Business Operations to Build a Solid Foundation for First-Class Development - Upholding Business Ethics

GRI Indicator Index

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Step into Angel		05-12
Annual Major Events		13-14
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Ten Principles Comparison Table of United Nations Global Compact (UNGC)

Scope	Principles	Index
Human Rights	Principle 1: Businesses should respect and uphold internationally recognized human rights.	P70-80
	Principle 2: The Company shall never engage in any actions that disregard or trample upon human rights.	P70-80
Labor Standards	Principle 3: Businesses should uphold the freedom of association and recognize the right to collective bargaining.	P70-80
	Principle 4: Businesses should eliminate all forms of forced labor.	P70-80
	Principle 5: Businesses should support the elimination of child labor.	P70-80
	Principle 6: Enterprises should eliminate any form of discrimination in employment and occupation.	P70-80
Environment	Principle 7: Enterprises should take proactive measures to address environmental challenges.	P52-66
	Principle 8: Enterprises should proactively increase their commitment to environmental protection.	P52-66
	Principle 9: Enterprises should encourage the development and promotion of environmentally friendly technologies.	P23-24



Feedback

Dear reader,

Hello! Thank you for taking the time to review our report amidst your busy schedule. We recognize that there may be areas for improvement in this edition, and we sincerely welcome your feedback, insights, and suggestions to help us enhance both our reporting framework and ESG performance. Thank you once again for your support of our work!

Q: Which of the following stakeholders best matches your identity?

- ☐ Customer
- ☐ Government
- ☐ Employee
- ☐ Supplier (broadly defined, including contractors, etc.)
- ☐ Environmental Organization/NGO
- ☐ Welfare Group
- ☐ Media
- ☐ Public
- ☐ Other

Q: How would you rate this report overall?

- ☐ Excellent
- ☐ Good
- ☐ Average
- ☐ Below Average
- ☐ Poor

Q: Your opinion on this report:

Information Disclosure

- ☐ Excellent
- ☐ Good
- ☐ Average
- ☐ Below Average
- ☐ Poor

Layout Design

- ☐ Excellent
- ☐ Good
- ☐ Average
- ☐ Below Average
- ☐ Poor

Readability

- ☐ Excellent
- ☐ Good
- ☐ Average
- ☐ Below Average
- ☐ Poor

Q: Which section aligns most closely with your interests? (Choose up to 2)

- ☐ Compliant Business Operations to Build a Solid Foundation for First-Class Development
- ☐ Advancing Biotechnology to Deliver Nutritious and Healthy Products
- ☐ Clean and Low-Carbon Development to Build a Model for Green Operations
- ☐ Warm-hearted Giving Back to Society, Persisting in Serving the Local Community Locally

Q: Which topics are of most concern to you? (Choose up to 3)

- ☐ Quality and Food Safety
- ☐ Customer Service
- ☐ Supply Chain Management
- ☐ Climate Change Mitigation
- ☐ Energy Efficiency and Emissions Reduction
- ☐ Corporate Governance
- ☐ Employee Care
- ☐ Community Care
- ☐ Other (Please specify) _____

Q: Do you have any further comments or recommendations regarding this sustainability report or our ESG initiatives?