



上海寰宇物流装备有限公司
ESG报告 2024
SHANGHAI UNIVERSAL LOGISTICS
EQUIPMENT CO., LTD.
ESG REPORT 2024

梦·启寰宇
箱·链世界

DREAMS BEYOND HORIZONS
CONNECTED BY CONTAINERS



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About This Report

报告简介 Overview

本报告是上海寰宇物流装备有限公司面向各利益相关方发布的第一本环境、社会和公司治理 (ESG) 报告, 披露公司积极面对 ESG 影响、风险和机遇, 为利益相关方创造价值, 推动公司与社会共同可持续发展所作的努力。

This is the first Environmental, Social, and Governance (ESG) Report of Shanghai Universal Logistics Equipment Co., Ltd. This Report provides stakeholders with a comprehensive overview of our efforts to proactively respond to ESG impacts, risks, and opportunities, create shared value, and promote the sustainable development of the Company and the broader society.

报告范围 Reporting Scope

本报告内容以2024年(2024年1月1日-2024年12月31日)的活动为主, 部分内容超出上述时间范围。

This Report covers the period from January 1 to December 31, 2024, and includes additional information beyond the stated reporting period.

报告依据 References

本报告参考香港联合交易所《环境、社会及管治报告守则》、上海证券交易所《上市公司自律监管指引第14号——可持续发展报告(试行)》等指引编写。

This Report is prepared with reference to the *Environmental, Social and Governance Reporting Code* issued by the Stock Exchange of Hong Kong (the "HKEX ESG Reporting Code") and *Guidelines No. 14 for Self-Regulation of Listed Companies—Sustainability Report (Trial)* released by the Shanghai Stock Exchange (SSE).

信息来源 Data Source

数据源于上海寰宇物流装备有限公司内部文件和相关统计数据。

Information and data in this Report comes from internal documents and statistical information of Shanghai Universal Logistics Equipment Co., Ltd.

报告称谓 Abbreviations

为便于表述, 本报告中将“中国远洋海运集团有限公司”简称为“中远海运集团”或“集团”, “中远海运发展股份有限公司”简称为“中远海发”, “上海寰宇物流装备有限公司”简称为“上海寰宇”“公司”“我们”, “上海寰宇所属东方国际集装箱连云港、广州、锦州及所属寰宇东方国际集装箱启东、宁波、青岛箱厂”简称为“连云港箱厂”“广州箱厂”“锦州箱厂”“启东箱厂”“宁波箱厂”“青岛箱厂”。

For the purpose of this Report, China COSCO SHIPPING Corporation Limited is referred to as "COSCO SHIPPING Group" or "the Group". COSCO SHIPPING Development Co., Ltd. is referred to as "COSCO SHIPPING Development". Shanghai Universal Logistics Equipment Co., Ltd. is referred to as "Shanghai Universal", "the Company", or "we". "DFIC Lianyungang," "DFIC Guangzhou," "DFIC Jinzhou," "DFIC Qidong," "DFIC Ningbo" and "DFIC Qingdao" respectively refer to Dongfang International Container (Lianyungang) Co., Ltd., Dongfang International Container (Guangzhou) Co., Ltd., Dongfang International Container (Jinzhou) Co., Ltd., Dongfang International Container (Qidong) Co., Ltd., Dongfang International Container (Ningbo) Co., Ltd., and Dongfang International Container (Qingdao) Co., Ltd. under Shanghai Universal.

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董事长致辞

Message from the Chairperson

自1956年全球首个标准化集装箱问世以来，集装箱彻底改变了世界贸易的格局。作为现代物流体系的基石，集装箱不仅是货物运输的载体，更是全球化经济血脉中不可或缺的“细胞单元”。上海寰宇自2005年起投身于这一伟大事业，致力于服务千行百业的贸易往来。我们的第一份ESG报告不仅是公司对可持续发展的践行，更是对集装箱发展史的一次致敬——我们正以“数字智能”和“绿色低碳”续写这个伟大工业文明的崭新篇章。

向“新”而行

“创新发展”驱动我们向世界一流物流装备制造科技企业的伟大目标迈出铿锵新步伐。过去一年，我们持续加大研发投入，推动技术攻关与产品迭代。通过建立跨厂区协同创新机制、加强产学研深度融合，我们在产品研发领域取得显著突破。截至2024年，公司累计获得145项专利授权，并参与制定4项国家标准、18项团体标准。从雪域高原的模块化房屋箱到功能多样的储能箱，我们以“集装箱+”模式不断拓展应用场景，让集装箱展现出前所未有的应用潜力。展望未来，我们将进一步完善创新体系建设，以核心技术驱动行业转型升级，为全球客户提供更卓越、更智能的物流装备整体解决方案。

向“智”而生

“数智转型”引领我们在集装箱这一传统制造业的深厚基石上擘画高质量发展新蓝图。2024年，我们聚焦智能制造领域，投入超千万元升级焊接、喷涂机器人等智能设备，成功打造宁波箱厂“5G全连接工厂”。通过数字孪生、能源管理系统等技术的应用，我们由“制造”向“智造”不断蜕变；同时依托智能安防管控和AI行为监测技术，员工的健康与安全有了更加强有力的技术支撑。面向未来，我们将持续推动全产业链智能化协同发展，确保每一只集装箱都彰显中国“智造”的卓越品质。

向“绿”而进

“绿色低碳”指引我们携产业链上下游伙伴共同探索、合力打造可持续发展的新生态。2024年，我们积极响应国家“双碳”目标，发布全球首个集装箱碳足迹平台（CFP&EPD），构建覆盖全生命周期的低碳管理体系，引领产业链上下游共建绿色生态。我们锚定“2030年单箱碳排放强度下降10%、2050年实现碳中和”目标，围绕五大降碳路径持续发力。为助力更多客户实现其可持续发展目标，我们积极布局储能集装箱的研发与制造，让绿色集装箱成为航运业净零排放的重要支点。

我们取得的成绩凝聚着全体寰宇人的智慧与汗水，更离不开全球合作伙伴以及社会各界的鼎力支持。未来，我们将锚定建设世界一流物流装备制造科技企业的发展目标，进一步夯实制造根基，增强核心功能，深耕绿色数智领域，释放创新功能价值，进一步深化与全球价值链伙伴的合作，携手共建一个更具包容性、更低碳排放、更智能高效的产业新未来！

——上海寰宇物流装备有限公司董事长 周媛媛

The invention of the first-ever standard shipping container in 1956 has fundamentally changed the landscape of international trade. As the cornerstone of the modern logistics system, containers not only offer a reliable solution for transporting goods, but also form the lifeblood of the global economy. Shanghai Universal started its container business in 2005, undertaking a mission to facilitate trade across various sectors. Our first ESG Report not only demonstrates our commitment to sustainability, but also pays a tribute to the history of containers, as we are inking a new chapter of this game-changing invention with green and digital intelligence.

Pursuing Innovation

Innovation has been the driving force behind our solid progress toward the goal of becoming a world-class logistics equipment manufacturer. Over the past year, we continued to boost our investments in R&D to promote technological advancements and product upgrades. By establishing a new mechanism that facilitates collaborative innovation across our factories and deepening cooperation with academic and research institutions, we achieved significant breakthroughs in product R&D. Up till 2024, we have obtained 145 patents in total, and engaged in the development of 4 national standard and 18 group standard documents. From modular container houses on snow-capped plateaus to versatile energy storage containers, our products show unprecedented potential as we tap into more user scenarios with the "Container Plus" model. Looking ahead, we will further improve our innovation system, driving industry transformation with core technologies and providing global customers with better and smarter logistics equipment solutions.

Fueling Digitalization

Digital and intelligent transformation provides a new blueprint for the high-quality development of our business that is deeply rooted in container manufacturing. In 2024, we focused on smart manufacturing. After channeling over RMB 10 million of investments into smart equipment, such as welding and painting robots, we made DFIC Ningbo a 5G fully connected factory. With the adoption of digital twin and energy management systems, we are steadily progressing from manufacturing toward smart manufacturing. We also use intelligent security and AI-powered behavioral analysis technologies to safeguard employees' health and safety. Moving forward, we will continue to facilitate intelligent transformation and integrated development across the industry chain, making every container a testament to premium quality and intelligent manufacturing in China.

Embracing Green Transition

We work with our partners across the industry chain to explore the path to green and low-carbon development and create a sustainable industry ecosystem. In 2024, we launched the world's first container carbon footprint (CFP) and environmental product declaration (EPD) platform in response to China's carbon peak and carbon neutrality goals ("dual carbon" goals). A system for reducing carbon footprint throughout the container lifecycle was formed to guide sustainability efforts across the industry chain. We adopted a five-pronged decarbonization approach toward the following goals: to reduce carbon intensity per container by 10% by 2030 and achieve carbon neutrality in 2050. To help more customers attain their sustainability goals, we stepped up investments in the R&D and manufacturing of energy storage containers, making eco-friendly containers an important contributor to net-zero emissions of the shipping industry.

Our accomplishments would not have been possible without the hard work and wisdom of our people and the unwavering support of our global partners and communities. Aiming to become a world-class logistics equipment manufacturer, we will further solidify our strengths in manufacturing, enhance our core functions, delve deep into green and digital intelligence, and unleash innovation. We will deepen our partnerships across the global value chain to foster the development of a more inclusive, intelligent, eco-friendly, and efficient industry.

—Yuanyuan Zhou,

Chairperson of Shanghai Universal Logistics Equipment Co., Ltd.

关于我们

About Us

- ★ 上海寰宇物流装备有限公司
DFIC Shanghai Headquarter
- ★ 工厂
DFIC Factories
- 香港销售有限公司
DFIC HongKong Sales Office
- 交箱点
Delivery Locations
- ★ 青岛研发中心
Qingdao R&D Center
- ★ 启东研发中心
Qidong R&D Center

华北交箱点 North China Delivery Location

锦州 Jinzhou	营口 Yingkou	黄岛 Huangdao
秦皇岛 Qinhuangdao	天津 Tianjin	连云港 Lianyungang
大连 Dalian	烟台 Yantai	

华东交箱点 Central(East) China Delivery Location

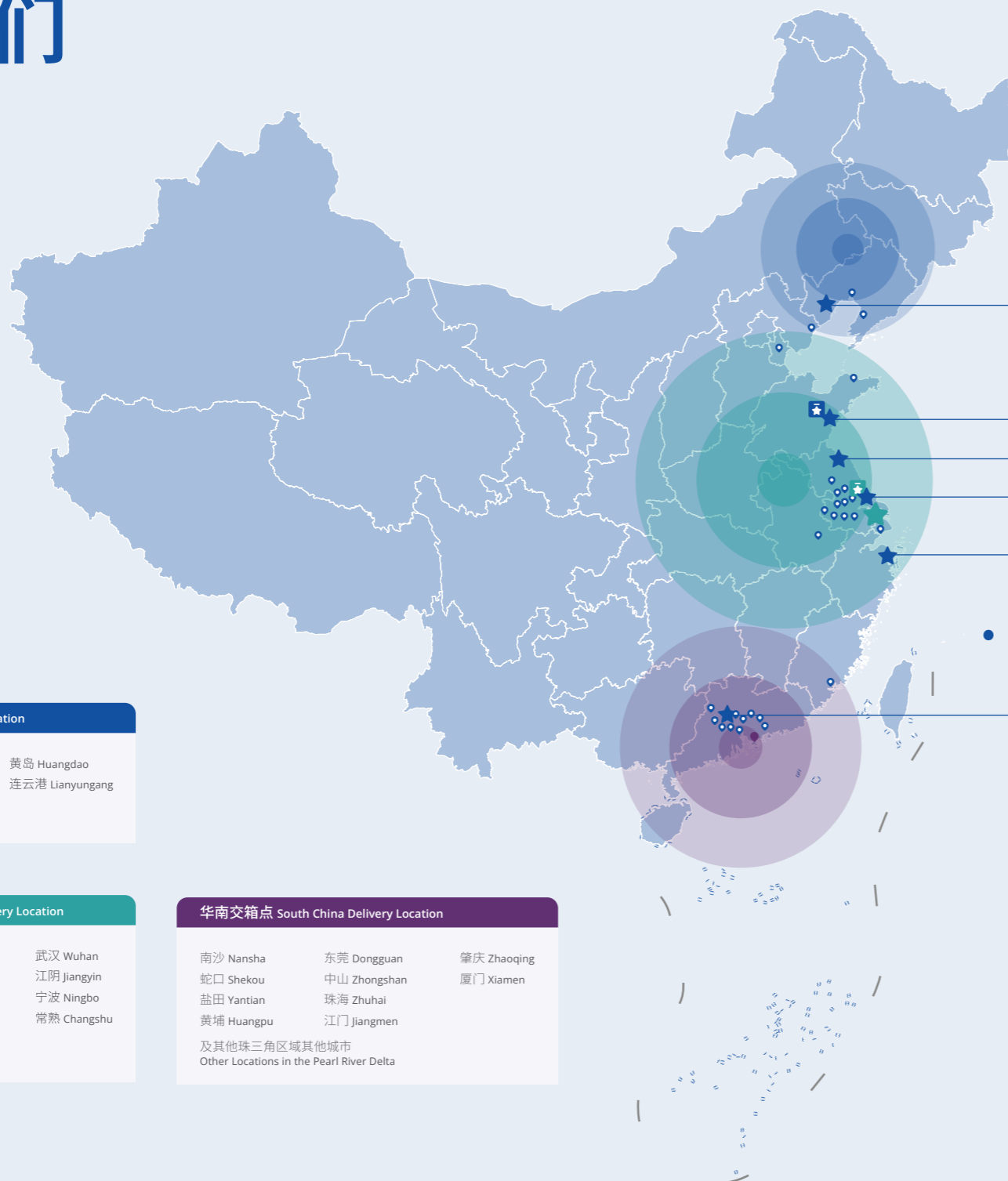
上海 Shanghai	泰州 Taizhou	武汉 Wuhan
太仓 Taicang	芜湖 Wuhu	江阴 Jiangyin
南通 Nantong	镇江 Zhenjiang	宁波 Ningbo
常州 Changzhou	南京 Nanjing	常熟 Changshu

及其他长三角区域城市
Other Locations in the Pearl River Delta

华南交箱点 South China Delivery Location

南沙 Nansha	东莞 Dongguan	肇庆 Zhaoqing
蛇口 Shekou	中山 Zhongshan	厦门 Xiamen
盐田 Yantian	珠海 Zhuhai	
黄埔 Huangpu	江门 Jiangmen	

及其他珠三角区域其他城市
Other Locations in the Pearl River Delta



锦州箱厂
DFIC Jinzhou

成立于2005年, 位于辽宁省锦州市, 设计年产能能为20万TEU*。

Founded in 2005, DFIC Jinzhou is located in Jinzhou, Liaoning Province, with an annual design capacity of 0.2 million TEU.



青岛箱厂
DFIC Qingdao

成立于2003年, 位于中国(山东)自由贸易试验区青岛片区, 干货集装箱计年产能16万TEU; 冷藏集装箱设计年产能6万台。

Founded in 2003, DFIC Qingdao is located in China (Shandong) Pilot Free Trade Zone Qingdao Area, with an annual design capacity of 0.16 million TEU for dry containers, and an annual design capacity of 60,000 reefer containers.



连云港箱厂
DFIC Lianyungang

成立于2005年, 位于中国(江苏)自由贸易试验区, 设计年产能能为15万TEU。

Founded in 2005, DFIC Lianyungang is located in China (Jiangsu) Pilot Free Trade Zone, with an annual design capacity of 0.15 million TEU.



启东箱厂
DFIC Qidong

成立于2010年, 位于上海与江苏省南通市启东市交界的长江北岸, 干货集装箱计年产能34万TEU; 冷藏集装箱设计年产能6万台。

Founded in 2010, DFIC Qidong is located on the north coast of the Yangtze River where Shanghai borders Qidong, Nantong, Jiangsu Province, with an annual design capacity of 0.34 million TEU for dry containers, and an annual design capacity of 60,000 reefer containers.



宁波箱厂
DFIC Ningbo

成立于2005年, 位于宁波市东部的鄞州经济开发区, 设计年产能单班15万TEU。

Founded in 2005, DFIC Ningbo is located in Yinzhou Economic Development Zone, eastern Ningbo, Zhejiang Province, with an annual design capacity of 0.15 million TEU while operating with a single shift.



广州箱厂
DFIC Guangzhou

成立于2006年, 位于广州市南沙区, 毗邻南沙港码头, 设计年生产能力20万TEU。

Founded in 2006, DFIC Guangzhou is located in Nansha District, Guangzhou, adjacent to Nansha Port. The company has an annual design capacity of 0.2 million TEU.

*TEU: 20英尺标准集装箱单位
TEU: Twenty-feet Equivalent Unit

公司概况

Company Profile

上海寰宇物流装备有限公司(以下简称“上海寰宇”)于2005年进入集装箱制造行业, 是国资委直属中远海运集团有限公司旗下专业的集装箱制造平台, 是中远海运发展股份有限公司(股票代码: 601866.sh/ 2866.hk)的全资子公司。

Shanghai Universal Logistics Equipment Co., Ltd. ("Shanghai Universal") made a foray into container manufacturing in 2005. The Company is a specialized container manufacturing arm of COSCO SHIPPING Group, which is directly under the management of the State-owned Assets Supervision and Administration Commission of the State Council. Shanghai Universal is also a wholly-owned subsidiary of COSCO Shipping Development Co., Ltd. (Stock Code: 601866.sh / 2866.hk).

作为全球第二大集装箱制造商, 上海寰宇专业从事国际标准干货箱、冷藏箱、特种集装箱的研究开发和生产销售, 客户涵盖全球知名班轮公司和租箱公司。公司深耕集装箱智能制造, 以科技创新、绿色低碳转型为抓手, 持续增强竞争优势, 积极释放创新价值, 通过不断提升“集装箱+”定制能力, 努力打造具有中远海运特色的世界一流物流装备制造科技企业。

As the second largest container manufacturer worldwide, Shanghai Universal specializes in the R&D, production, and sales of ISO dry containers, reefer containers, and special containers. Our clientele encompasses world-renowned liner companies and container leasing firms. Focusing on intelligent manufacturing of containers, we continuously enhance our competitive advantages and create value through technological innovation and green transition. By improving our custom "Container Plus" solutions, we aim to establish ourselves as a world-class logistics equipment and technology enterprise with the distinct edge of the COSCO SHIPPING brand.

我们的20年

Our Development Milestones in the Past Two Decades

7月8日锦州箱厂第一台集装箱下线。

DFIC Jinzhou's first container rolled off the production line on July 8.



11月28日广州箱厂第一台集装箱下线。

DFIC Guangzhou's first container rolled off the production line on November 28.



9月9日在锦州箱厂举行上海寰宇累计生产集装箱200万TEU下线仪式。

Shanghai Universal held the ceremony for reaching 2 million TEU milestone in container production at DFIC Jinzhou on September 9.



6月7日在广州箱厂举行上海寰宇累计生产集装箱300万TEU下线仪式。

Shanghai Universal held the ceremony for reaching 3 million TEU milestone in container production at DFIC Guangzhou on June 7.



6月2日在启东箱厂举行上海寰宇累计生产集装箱500万TEU下线仪式。

Shanghai Universal held the ceremony for reaching 5 million TEU milestone in container production at DFIC Qidong on June 2.



中远海运发展第一艘700TEU纯电池动力集装箱船入选“2023年度央企十大国之重器”，而为其提供核心动能的是上海寰宇启东箱厂研发制造的电池箱。

The first 700 TEU battery-powered container ship developed by COSCO SHIPPING Development was selected as one of the "Top 10 Assets of Central State-owned Enterprises of Vital Importance to China in 2023". The containerized battery energy storage system that powers the ship was developed by DFIC Qidong, a subsidiary of Shanghai Universal.



2006
16万TEU
0.16 million TEU

2008
15万TEU
0.15 million TEU

2010
21万TEU
0.21 million TEU

2012
16万TEU
0.16 million TEU

2014
30万TEU
0.30 million TEU

2015
28万TEU
0.28 million TEU

2017
50万TEU
0.50 million TEU

2018
57万TEU
0.57 million TEU

2020
76万TEU
0.76 million TEU

2021
165万TEU
1.65 million TEU

2023
45万TEU
0.45 million TEU

2005
3万TEU
30,000 TEU

2007
21万TEU
0.21 million TEU

2009
3万TEU
30,000 TEU

2011
24万TEU
0.24 million TEU

2013
23万TEU
0.23 million TEU

2016
21万TEU
0.21 million TEU

2019
46万TEU
0.46 million TEU

2022
77万TEU
0.77 million TEU

2024
181万TEU
1.81 million TEU

8月16日上海寰宇第一台集装箱在连云港箱厂下线。

Shanghai Universal's first container rolled off the production line at DFIC Lianyungang on August 16.



7月22日在连云港箱厂举行上海寰宇累计生产集装箱100万TEU下线仪式。

Shanghai Universal held the ceremony for reaching 1 million TEU milestone in container production at DFIC Lianyungang on July 22.



收购之后，上海寰宇总体干货箱和冷藏箱的市场份额空前提升整体造箱产能跃居世界第二。

Upon the acquisition, Shanghai Universal became the world's second largest container manufacturer, with unprecedented market share growth of its dry containers and reefer containers.



上海寰宇深入聚焦主责主业，持续践行产融结合，扎实推进科技创新、绿色低碳、数字智能、服务群众等工作，年产量突破新高。

Shanghai Universal focused on its main business, making ongoing efforts to strengthen industry-finance integration and taking solid steps to promote technology innovation, green development, digital transformation, and public services. Its annual production capacity reached a new high.



我们的产品

Our Products

自1956年被发明以来，集装箱不仅降低了货物运输的成本，也改变了世界经济的形态。作为全球领先的集装箱制造商，我们始终致力于推动集装箱生产的智能化、绿色化、高效化发展。我们的产品覆盖标准干箱、冷箱及各类特种集装箱，设计年产能达144万TEU，为全球集装箱供应链的平稳运行提供优质产品。

Invented in 1956, standard containers have not only lowered the costs of freight shipping, but also revolutionized global trade. As a world-leading container manufacturer, we are committed to promoting intelligent, green, and efficient container manufacturing. Our product portfolio includes standard dry containers, reefer containers, and various types of special containers. With an annual design capacity of 1.44 million TEU, we provide high-quality products that support the robust operation of the global container supply chain.



ISO干/冷箱
ISO Dry/Reefer Container



特种干货箱
Special Dry Container



模块化建筑箱
Modular House



特种冷藏箱
Special Reefer Container



近海箱
Offshore Container



设备箱
Equipment Container




特种定制箱
Special Customized Container



储能箱
Energy Container

闪耀2024

Highlights in 2024

青岛箱厂
DFIC Qingdao

国家级绿色工厂
National Green Factory

8月
August

◆◆ 2024年度山东省省级层面绿色供应链管理企业 ◆◆
Shandong Provincial Green Supply Chain Management Enterprise in 2024

◆◆ 2024年山东省级智能工厂 ◆◆
Shandong Provincial Intelligent Factory of 2024

启东箱厂
DFIC Qidong

省级绿色工厂
Provincial Green Factory

6月
June

◆◆ 技术创新奖 ◆◆
2024 Jiangsu Renewable Energy Industry Technology Innovation Award

7月
July

◆◆ 第六届全国设备管理与技术创新成果二等奖 ◆◆
Second Prize at the 6th National Equipment Management and Technological Innovation Conference

广州箱厂
DFIC Guangzhou

省级绿色工厂
Provincial Green Factory

4月
April

◆◆ 全国安全文化建设示范企业 ◆◆
National Model Enterprise for Safety Culture Building

连云港箱厂
DFIC Lianyungang

国家级绿色工厂
National Green Factory

2月
February

◆◆ “江苏精品”认证证书 ◆◆
Jiangsu Premium Brand Certification

4月
April

◆◆ 江苏省“幸福企业建设试点工作成效显著单位” ◆◆
Excellent Organization in the Pilot Program for Creating Happy Companies in Jiangsu Province

宁波箱厂
DFIC Ningbo

国家级绿色工厂
National Green Factory

3月
March

◆◆ 全国安全文化建设示范企业 ◆◆
National Model Enterprise for Safety Culture Building

9月
September

◆◆ 智能制造能力成熟度评估三级认证 ◆◆
Intelligent Manufacturing Capability Maturity Model Level-3 Certification

11月
November

◆◆ 2024年度设备管理数智化标杆单位 ◆◆
Benchmark Organization for Digital Equipment Management of 2024

◆◆ 2024年度设备检维修创新班组 ◆◆
Innovative Equipment Inspection and Maintenance Team of 2024

12月
December

◆◆ 2024年浙江省5G全连接工厂 ◆◆
5G Fully Connected Factory in Zhejiang Province of 2024

◆◆ 2024年度集装箱绿色技术优秀项目 ◆◆
Outstanding Green Container Technology Project of 2024

锦州箱厂
DFIC Jinzhou

国家级绿色工厂
National Green Factory

5月
May

◆◆ III型环境声明评价 (EPD) ◆◆
Type III Environmental Product Declaration (EPD)

7月
July

◆◆ “第六届全国设备管理与技术创新成果”技术类一等奖 ◆◆
First Prize in the category of technological innovations at the 6th National Equipment Management and Technological Innovation Conference

11月
November

◆◆ 智能制造能力成熟度等级 二级 ◆◆
Intelligent Manufacturing Capability Maturity Model Level-2 Certification

12月
December

◆◆ 2024年度集装箱“绿色技术优秀项目”荣誉 ◆◆
Outstanding Green Container Technology Project of 2024

◆◆ A级 两化融合管理体系证书 ◆◆
Integration of Informatization and Industrialization Management System Certificate (A Rating)

知行合一，永续发展

Aligning Actions with Visions of Sustainability

01

可持续发展 Sustainable Development

创新驱动、生态友好、协同发展，
为所有利益相关方创造长期价值

We promote innovation-driven, eco-friendly,
and coordinated development to create
long-term value for all stakeholders

可持续发展对我们而言，不仅是一项道德要求，更是一种战略融入。全球经济高度依赖高效、安全的航运网络，集装箱已成为国际货物运输的关键支柱，集装箱生产的可持续实践对于应对不断变化的挑战尤为重要。从减少集装箱生产过程中的碳足迹，到确保复杂供应链中合乎道德的劳动标准，我们坚守的可持续发展理念能够使我们有效应对诸多关键挑战，确保我们的产品在市场竞争中保持长期竞争力。

For us, sustainability is not only a moral obligation, but an integral part of our strategy. The global economy relies heavily on efficient and secure shipping networks, with containers playing a critical role in international shipping. Sustainable practices in container manufacturing are essential to addressing ever-evolving challenges. From lowering the carbon footprint of production to ensuring ethical labor practices across complex supply chains, our dedication to sustainability enables us to tackle key challenges and maintain our competitive edge in the marketplace.

我们的可持续承诺 Our Commitment to Sustainability

我们坚持高标准的公司治理与商业道德标准，将透明与合规融入公司运营体系。

We are committed to high standards of corporate governance and business ethics, embedding transparency and compliance into every aspect of our operations.

我们以创新技术为核心，研发与生产可持续的集装箱产品，打造全球领先的集装箱智造工厂。

We leverage innovative technologies to develop and manufacture sustainable containers, aiming to build world-leading smart container production facilities.

我们致力于营造和谐健康、创新高效的工作环境，助力员工在工作中实现持续成长。

We are dedicated to creating a harmonious, healthy, and efficient work environment that encourages innovation and supports ongoing employee development.

ESG重要性议题 Material ESG Topics

我们参考香港联合交易所、上海证券交易所等机构发布的相关政策与文件中有关于重要性议题的界定流程，根据企业内外部环境，识别出12项重要性议题，并在本报告中重点披露。未来，我们将结合国内外标准与行业实践，持续优化重要性议题的分析，进一步提升ESG信息披露的准确性和全面性。

Based on the guidelines set out in relevant policies and documents from HKEX and SSE, we identified 12 material ESG topics that reflect both internal and external factors. These topics are the focus of this Report. Looking ahead, we will continue to refine our materiality assessment based on domestic and international standards and industry best practices. This ongoing effort will help enhance the accuracy and completeness of our ESG information disclosures.



上海寰宇重要性议题

Shanghai Universal's Material ESG Topics

 <p>产品 Product</p>	<ul style="list-style-type: none"> 创新与研发 Innovation and R&D 产品质量 Product quality 优质客户服务 Excellent customer services
 <p>环境 Environment</p>	<ul style="list-style-type: none"> 绿色产品 Green products 绿色生产 Green production
 <p>伙伴 Partner</p>	<ul style="list-style-type: none"> 可持续供应链 Sustainable supply chain 低碳产业链 Low-carbon industry chain
 <p>社会 Society</p>	<ul style="list-style-type: none"> 健康与安全 Health and safety 多元、平等与包容 Diversity, equity, and inclusion 促进社区发展 Facilitating community development
 <p>治理 Governance</p>	<ul style="list-style-type: none"> 合规运营 Regulatory compliance 商业道德 Business ethics

贡献联合国永续发展目标
Contributing to the United Nations SDGs

SDG 3 良好健康与福祉

SDG 3 Good health and well-being

- 通过“爱心安全”文化提高员工自主安全生产意识
- 持续强化安全管理,提升本质安全
- 为全体员工提供职业健康安全培训,提升员工自我保护能力
- 劳工工享有与公司正式员工相同的职业健康安全保障
- Fostered a safety culture to raise employees' awareness of safe practices.
- Strengthened safety management to improve intrinsic safety.
- Offered occupational health and safety training to all employees to enhance their self-protection skills.
- Ensured dispatched workers receive the same occupational health and safety benefits as regular employees.

SDG 5 性别平等

SDG 5 Gender equality

- 坚持平等雇佣,维护女性员工权益
- Upheld equal employment to protect the rights of female employees.

SDG 9 产业、创新和基础设施

SDG 9 Industry, innovation, and infrastructure

- 积极布局和建设智能工厂,以数智赋能驱动集装箱制造传统产业加快转型升级
- 构建跨箱厂科研协同和研发机制,设立产品研发基地和工艺装备研发基地,构建高水平创新平台
- 与产业链上下游企业、高校和研究机构开展合作,加快构建产学研用协同创新体系
- 加大产品研发力度,打造更多“集装箱+”新型产品,不断拓展集装箱应用边界
- Built smart factories to drive the digital and intelligent transformation of traditional container manufacturing.
- Developed cross-factory R&D collaboration mechanisms, and established R&D bases for products and equipment to foster high-level innovation.
- Partnered with upstream and downstream enterprises, universities, and research institutions to build an integrated innovation system.
- Expanded product R&D to create more "Container Plus" solutions, broadening the application of containers.

SDG 1 无贫穷

SDG 1 No poverty

- 定点帮扶乡村产业,帮助提升乡村生产力水平,增加农民收入
- Participated in the pairing assistance program to support rural industries, enhance local productivity, and increase farmers' incomes.

SDG 4 优质教育

SDG 4 Quality education

- 成立职业技能认定中心,为劳工工提供职业技能认证
- 制定“鹰计划”员工培养与发展方案,构建覆盖从基层员工到公司高管的全职业发展周期培训体系
- Established a vocational skills certification center to provide credentials for dispatched workers.
- Implemented the "Eagle Plan" to support employee development through a comprehensive training system covering all career stages, from grassroots employees to senior management.

SDG 7 经济适用的清洁能源

SDG 7 Affordable and clean energy

- 在箱厂布局分布式光伏,持续提高清洁能源占比
- Deployed distributed photovoltaic (PV) systems at container factories to increase the share of clean energy consumption.

SDG 8 体面工作和经济增长

SDG 8 Decent work and economic growth

- 保护员工基本权益,完善福利保障机制
- Safeguarded employees' basic rights and continuously improved benefits and welfare systems.



SDG 17 促进目标实现的伙伴关系

SDG 17 Partnerships for the goals

- 推出全球首个集装箱CFP&EPD平台,与上下游企业共同探索产业链绿色可持续发展路径
- 构建供应商评估体系,识别供应链风险并制定管理措施
- Launched the world's first container CFP & EPD platform to explore sustainable development pathways with industry partners.
- Developed a supplier evaluation system to identify and manage supply chain risks.

SDG 12 负责任消费和生产

SDG 12 Responsible consumption and production

- 构建覆盖全球的24小时全天候服务体系,及时响应客户需求,创新客户服务模式和举措,助力全球客户创造更大价值
- Established a global, round-the-clock service network to respond quickly to customer needs and innovated service models to help customers maximize value.

SDG 10 减少不平等

SDG 10 Reduced inequalities

- 履行中央企业责任,通过对口支援、定点帮扶助力乡村振兴
- 开展“初春之茵——真情暖童心 相伴护成长”捐赠活动,助力乡村贫困学生教育事业
- 举办99公益日慈善义卖活动,为广州天河小天使康复训练中心捐赠物品和资金
- Fulfilled the corporate responsibilities of central state-owned enterprises (SOEs) by supporting rural revitalization through targeted assistance.
- Launched donation campaigns to support education for underprivileged rural students.
- Hosted a charity bazaar during the 99 Giving Day to donate items and funds to the Tianhe Xiaotianshi Rehabilitation Center in Guangzhou.

SDG 16 和平、正义与强大机构

SDG 16 Peace, justice, and strong institutions

- 以高标准的行为准则规范商业合作关系,践行反腐败、反贿赂与公平竞争
- 建立符合中国及客户所在国家法律法规要求的合规管理体系
- Established high standards of business conduct to ensure anti-corruption, anti-bribery, and fair competition.
- Built a compliance management system that meets legal and regulatory requirements in China and the countries where our clients operate.

SDG 13 气候行动

SDG 13 Climate action

- 制定绿色低碳转型战略,以及到2030年,每TEU碳排放强度较2020年下降10%,2050年前实现碳中和”的减排目标
- 研发、制造储能集装箱,助力客户实现可持续发展目标
- 开展集装箱生产的全生命周期环境影响评估,并制定相应减少资料消耗、降低排放的举措
- Implemented a green and low-carbon transition strategy with goals to reduce carbon emissions per TEU by 10% by 2030 (compared to 2020) and achieve carbon neutrality before 2050.
- Developed and produced energy storage containers to support customers' sustainability goals.
- Conducted life cycle environmental impact assessments for container production and adopted measures to reduce material use and emissions.

恪守商业道德

Business Ethics

我们矢志构建合规有序、透明开放、
公平竞争、多元包容的商业生态

We are committed to fostering a business environment characterized by compliance, order, transparency, openness, fair competition, diversity, and inclusion



商业道德是企业稳健运营的关键。我们严格防范和治理腐败贿赂、利益冲突、歧视行为、商业欺诈、勒索胁迫、洗钱活动以及垄断与不正当竞争等风险。通过将高标准的行为准则深度融入业务流程，我们致力于与客户、供应商、政府部门等所有利益相关方构建诚信、透明、合规的商业合作关系。

Business ethics are fundamental to sustainable operations. We take a firm stance against corruption, bribery, conflicts of interest, discrimination, fraud, extortion, coercion, money laundering, and monopolistic or unfair competition practices. By integrating high standards of conduct into our business processes, we strive to build honest, transparent, and compliant partnerships with customers, suppliers, government agencies, and all other stakeholders.

反腐败和反贿赂 Anti-corruption and Anti-bribery

上海寰宇严格遵守中国及业务所在国的反腐败与反贿赂法律法规，建立和健全管理制度，确保全员准确理解并贯彻执行。同时，我们密切关注反腐败、反贿赂领域法律法规的最新进展，持续追踪并健全完善公司内部制度，切实保障公司治理体系合规有效、科学高效。

Shanghai Universal strictly complies with anti-corruption and anti-bribery laws and regulations in China and other countries where it operates. We have established and continuously refined our management systems to ensure all employees fully understand and follow these requirements. We closely monitor legal developments in this area and regularly update our internal policies to ensure our governance framework remains compliant, effective, and efficient.

100%

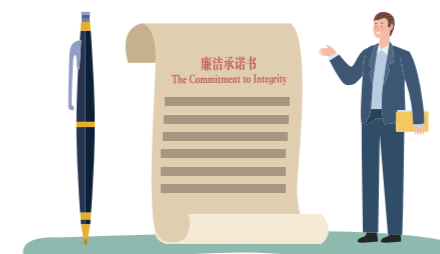
100% Integrity

- 要求管理人员、关键业务岗位员工**100%**签署《廉洁承诺书》；

Ensure that **100%** of managers and employees in key positions sign the *Commitment to Integrity*;

- 组织开展多样化廉洁培训及活动，廉洁培训覆盖员工**100%**。

Organize diverse integrity training and activities, covering **100%** of employees.



零容忍

Zero Tolerance

- 对一切商业贿赂行为采取零容忍态度，在所有商务合同中写明符合国际通行的反商业贿赂条款，并明确约定禁止性条款及违约后果。

Enforce a zero-tolerance policy for all forms of commercial bribery; include internationally recognized anti-bribery clauses in all business contracts, with clearly defined prohibitions and penalties for violations.

关键绩效 Key Performance Highlights

2024年，
In 2024,



商业贿赂、贪污和腐败相关事件和诉讼

0 件

Zero incidents or lawsuits involving commercial bribery, embezzlement, or corruption



洗钱或内幕交易事件

0 件

Zero cases of money laundering or insider trading



利益冲突事件

0 件

Zero conflicts of interest

公平竞争 Fair Competition

上海寰宇致力于构建高质量、可持续、多方共赢的合作伙伴关系。我们遵守国际反垄断规范及国内相关法规，并将公平竞争理念融入市场拓展、技术合作等业务流程，抵制一切不正当竞争行为，维护公平、包容的竞争环境。

Shanghai Universal is dedicated to fostering high-quality, sustainable partnerships that create mutual value. We adhere to international antitrust standards and applicable domestic regulations. We embed the principles of fair competition into all aspects of our business, including market development and technological collaboration. We oppose all forms of unfair competition and are committed to maintaining a fair and inclusive competitive environment.

我们平等对待每个利益相关方，消除规模、地域等因素造成的歧视性壁垒，确保供应商无论规模大小、所在地或所属关系，均能在公平透明机制下获得平等参与机会，推动营造公平开放的商业环境。

We treat all stakeholders equally and work to eliminate discriminatory barriers related to size, location, or other factors. We ensure that all suppliers have equal opportunities through a transparent and impartial process, regardless of their scale, location, or affiliation. We aim to promote a business environment that is open and fair.



关键绩效 Key Performance Highlights

2024年，
In 2024,



因不正当竞争行为导致
诉讼或重大行政处罚

0
件

Zero lawsuits or major administrative penalties resulting from unfair competition

完善合规管理 Improving Compliance Management

合规管理是企业稳健发展的生命线

Compliance management is vital to stable business growth

我们建立符合中国及客户所在国家法律法规要求的合规管理体系，更好地应对全球业务运营中的法律风险和运营风险。广州、宁波、启东、连云港、青岛、锦州6家箱厂均通过合规管理体系认证。

We have established a compliance management system that complies with legal and regulatory requirements in China and the countries where our clients operate. This system enables us to effectively manage legal and operational risks in our global business operations. Our six container factories in Guangzhou, Ningbo, Qidong, Lianyungang, Qingdao, and Jinzhou have successfully passed compliance management system certification.



维护合规体系有效性 Maintain system effectiveness

定期根据国家及地区环境的变化，自我审查和评估合规管理体系的有效性并持续进行改进

We regularly review and assess the compliance management system in response to changes in national and regional environments, and make ongoing improvements to ensure the system is effective



制定《上海寰宇物流装备有限公司合规手册》 Formulate the Compliance Manual of Shanghai Universal Logistics Equipment Co., Ltd.

形成覆盖经营决策审批、投资管理等20个关键领域的合规指引体系

The manual provides guidelines across 20 key areas, including business decision approvals and investment management



开展合规监督活动 Conduct compliance monitoring

发现并整改潜在合规问题，确保各项业务活动符合有效的合规机制

We identify and rectify potential compliance issues to ensure all business operations comply with effective compliance frameworks

可持续供应链

Sustainable Supply Chain

实施严格的供应商筛选和评估流程，
建立和维护可持续的供应链

We implement a rigorous supplier selection and evaluation process to build and maintain a sustainable supply chain

通过制定《供应商社会准则符合性自审问卷》，我们构建了包括法律法规、健康与安全等10个关键领域的供应商评估体系，用于审查和判断供应商在遵循社会准则方面的实践。系统性评估是我们对供应商选择的重要过程，帮助我们主动识别具备良好社会准则符合性、具有长期合作潜力的供应商，并与优秀供应商保持长期合作关系。

We developed the *Supplier Self-Assessment Questionnaire on Compliance with Social Standards* to assess suppliers' social compliance across 10 key areas, including laws and regulations, and health and safety. This assessment is a critical part of our supplier selection process. It helps us identify suppliers that demonstrate strong social compliance and long-term partnership potential, and allows us to maintain lasting relationships with high-performing suppliers.

供应商社会准则符合性自审规则

Supplier Self-Assessment on Compliance with Social Standards

01



法律法规

Laws and regulations



06



薪酬与工作时间

Compensation and working hours



02



健康与安全

Health and safety



07



反歧视

Non-discrimination



03



环境

Environment



08



员工权力

Employee rights



04



童工

Child labor



09



供应链

Supply chain



05



强迫性劳动

Forced labor



10



监督和记录

Monitoring and documentation



依托对供应商社会准则的符合性管理，我们识别、评估和解决供应链中的环境、社会和治理风险，维护供应链运营的稳定性与可持续性。
By managing supplier compliance with social standards, we identify, evaluate, and address ESG risks in our supply chain, ensuring its stability and sustainability.

风险类型 Risk Category	应对措施 Mitigation Strategy
 环境风险 Environmental risk	<ul style="list-style-type: none"> • 优先选择符合FSC (森林管理委员会) 认证木材、环保材料的供应商 Prioritize suppliers that use FSC-certified wood and eco-friendly materials • 依据《供应商社会准则》，定期审查供应商环境实践 Regularly review suppliers' environmental practices based on the <i>Social Standards for Suppliers</i> • 将供应商通过ISO 14001环境管理体系认证作为准入条件之一 Require suppliers to be certified under the ISO 14001 Environmental Management System • 采购环节更多选用绿色环保产品 Choose green products whenever possible during procurement
 劳工风险 Labor risk	<ul style="list-style-type: none"> • 通过合同条款、定期审计等方式确保供应商遵守职业健康安全的规定 Ensure suppliers comply with occupational health and safety standards through contractual clauses and regular audits • 对照《供应商社会准则》对供应商人权政策进行定期审查，包括强迫劳动、童工、歧视等方面 Regularly review suppliers' human rights policies, including areas such as forced labor, child labor, and discrimination, based on the <i>Social Standards for Suppliers</i>
 廉洁风险 Integrity risk	<ul style="list-style-type: none"> • 与重点供应商签署《廉洁承诺书》，并将此作为供应商准入的基本条件之一 Require key suppliers to sign the <i>Commitment to Integrity</i> as a mandatory qualification • 开展关联交易、设备采购等重点业务领域专项治理 Oversee high-risk areas such as related-party transactions and equipment procurement



创新赋能, 智链寰宇

Empowering Innovation in Intelligent Manufacturing

02

与寰宇共成长:我们的ESG足迹

Growing with Shanghai Universal: Our ESG Footprint



传统工业的数字化转型充满挑战,但我们将以持之以恒、永不言弃的精神不断叩开科技创新之门,用数字化管理平台大屏上跳动的数据作针脚,精心织就集装箱自动化生产车间的“智能制造”云帆,在科技创新的浪潮中乘风破浪、扬帆远航!

——宁波箱厂智能制造能力成熟度三级工作组

Digital transformation in traditional industries is never easy. But with perseverance and determination, we continuously unlock new technological innovations. Our digital management dashboards bring together dynamic data points to visualize "intelligent manufacturing" in our automated container production workshops. With the tide of innovation at our back, we forge ahead and sail toward new horizons.

—Task Force with Intelligent Manufacturing Capability Maturity Model Level-3, DFIC Ningbo

设备岗就像生产线的“医生”一样,永远奔走在一线,专注解决产线的各种“疑难杂症”,为设备的“健康”负责,其实也是为产品和客户负责。要做好设备工作,我必须“吃透”每台设备的性子,随时掌握新技术,用专业守护生产的每一分钟。

——连云港箱厂生产设备部 席良龙

As an equipment technician, I act like a doctor for the production line, always on the front lines, focusing on diagnosing and fixing complex problems to ensure the health of our machines. In doing so, I also protect product quality and fulfill our responsibility to our customers. To do this well, I must understand every machine inside and out, stay current with the latest technologies, and use my skills to safeguard every minute of production.

—Xi Genlong, Production Equipment Department, DFIC Lianyungang

青岛箱厂一直以来坚持“向客户承诺的是诚信,让客户体验的是满意”的质量价值观。在“24小时服务全球”的服务宗旨下,我们不断以优质服务擦亮DFIC品牌,促进企业品牌升级,以此提高企业的市场竞争力。

——青岛箱厂市场服务部副经理 刘丽娟

At DFIC Qingdao, we uphold a philosophy of integrity and customer satisfaction. We provide "24/7 global service", continually enhancing the DFIC brand through high-quality service. This elevates our brand, making us more competitive in the market.

—Liu Lijuan, Deputy Manager, Market Service Department, DFIC Qingdao

创新驱动 Innovation-driven Development

以创新为引领,
重塑集装箱制造业“基因”
Leading with innovation to reshape
the foundation of container
manufacturing



我们以“打造世界一流物流装备科技企业”为愿景,锚定“数字智能”和“绿色低碳”两大赛道,用好科技创新这一“关键变量”,推动集装箱制造技术的革新与升级,全面推进公司由传统制造业向物流装备制造科技型企业转型升级。

Our vision is to become a world-class technology enterprise in logistics equipment. Committed to digital intelligence and green, low-carbon development, we leverage technological innovation to fuel advancements in container manufacturing and support our comprehensive shift from traditional manufacturing to a technology-oriented logistics equipment enterprise.

加强创新管理 Strengthening Innovation Management

我们持续优化科技创新管理体系,通过完善激励机制、加大精准投入、培育科创生态、强化技术标准与知识产权保护,构建跨箱厂科研协同和研发机制,不断加强创新生态建设,有效激发科技创新活力,充分释放科技创新效能。

We continuously improve our technology innovation management system. By enhancing incentive mechanisms, increasing targeted investments, fostering an innovation-friendly environment, and reinforcing standards and intellectual property rights protection, we have built a collaborative R&D framework across container factories. These efforts aim to strengthen the innovation ecosystem, boost innovation capacity, and fully unlock the value of technological advancement.

构建高水平创新平台

Building high-quality innovation platforms

- 形成以寰宇科技为核心、跨厂协作的创新集成平台，设立两个产品研发基地及一个工艺装备研发基地
- 积极推进寰宇科技材料实验室CNAS资质认可，建设具有行业领先的高水平实验室
- Established a cross-factory collaborative innovation platform centered on SULT, supported by two product R&D bases and one process equipment R&D base
- Advanced the China National Accreditation Service (CNAS) certification for SULT's materials laboratory to build it into an industry-leading, high-level laboratory

打造复合型人才高地

Developing a strong pipeline of interdisciplinary talent

- 建立覆盖寰宇科技至各箱厂的研发工程师梯队
- 重点加强数字化、绿色低碳、智能制造等领域的人才引进与培养，打造复合型人才队伍
- 创建职工创新工作室、技能大师工作室等平台，充分释放一线人才创新潜能
- Built a tiered team of R&D engineers across SULT and all affiliated container factories
- Prioritized the recruitment and development of talent in digitalization, green and low-carbon technologies, and intelligent manufacturing to form a multidisciplinary workforce
- Created platforms such as employee innovation studios and master technician studios to unlock the innovative potential of frontline workers

激发科技创新热情

Encouraging technological innovation

- 制定《知识产权奖励办法》，明确奖励标准与流程，激励全体员工积极参与知识产权创新、保护与应用
- 创新技术服务沟通模式，推动科研深入生产一线，并以研发项目为抓手打通研发、生产、市场等链条
- Developed the *Intellectual Property Incentive Measures* to clearly define reward standards and procedures, motivating all employees to contribute to the creation, protection, and use of intellectual property
- Innovated technical service communication models, bringing research closer to production, and using R&D projects to better integrate R&D, production, and marketing

关键绩效 Key Performance Highlights

2024年,
In 2024,



研发投入金额

1.83 亿元

we spent RMB 183 million on R&D



研发人员数量

142 人

had 142 R&D employees

集装箱制造领域的创新拓荒者——智能制造工作团队

An Innovative Trailblazer in Container Manufacturing:
The Intelligent Manufacturing Team

上海寰宇智能制造工作团队是一支致力于推动集装箱制造行业智能化转型的创新力量。团队成员围绕智能制造设备技术改造、数字化工厂建设、人工智能与智能制造融合等领域，探寻智能制造创新解决方案。通过不断攻关关键技术与探索应用场景，团队的相关智能制造成果已成功实现落地应用，加速集装箱制造的转型升级。

Shanghai Universal's intelligent manufacturing team is dedicated to promoting intelligent transformation in the container manufacturing industry. The team explores innovative solutions in areas such as intelligent manufacturing equipment upgrades, digital factory development, and the integration of AI with manufacturing. By tackling key technologies and identifying practical use cases, the team has delivered effective results that are already in use, accelerating the industry's transformation and upgrade.



智能制造工作团队
The intelligent manufacturing team

凝聚创新合力
Advancing Collaborative Innovation

我们与产业链上下游企业、高校及研究机构等开展深度合作,加快构建产学研用协同创新体系,集聚人才、项目、平台、市场等要素资源,围绕集装箱行业新产品、新技术、新工艺和新材料等关键领域,共同开展原创性引领性科技攻关,驱动集装箱制造迈向高端化、智能化、绿色化。

We collaborate deeply with industry partners, universities, and research institutions to accelerate the development of an integrated innovation system that seamlessly combines industry, academia, research, and application. We pool talent, projects, platforms, and market resources and focus on key areas in the container industry, including new products, technologies, processes, and materials. Together, we pursue original and leading-edge technological breakthroughs that drive the industry toward higher-end, smarter, and more sustainable manufacturing.

协同创新合作对象
Collaborative innovation partners



我们的创新成果
Our Innovations



发明 Invention	30	12
实用新型 Utility model	149	133
外观设计 Design	2	0

关键绩效 Key Performance Highlights

截至2024年底,
By the end of 2024,

累计参与制定的国家标准
4项
we had participated in the development of **4** national standards

团体标准
18项
18 group standards

★ 荣誉与认可 ★
Honors and Awards

启东箱厂获“2024年度中国储能产业最佳创新力企业奖”

DFIC Qidong received the Award for the Most Innovative Enterprise of 2024 in China's Energy Storage Industry.

宁波箱厂、锦州箱厂分别荣获“第六届全国设备管理与技术创新成果”管理类、技术类一等奖

At the 6th National Equipment Management and Technological Innovation Conference, DFIC Ningbo and DFIC Jinzhou won first prize in the categories of management and technological innovations respectively.

青岛箱厂、连云港箱厂和启东箱厂分别荣获技术类二等奖

DFIC Qingdao, DFIC Lianyungang, and DFIC Qidong received second prizes in the category of technological innovations.

产品研发 Product Development

从海洋到陆地，从工业到生活，
我们用集装箱创造无限可能

We unlock limitless possibilities through
container solutions from ocean to land,
from industrial to daily applications

从智慧物流到绿色能源，从模块化建筑到现
代农业，上海寰宇不断拓展集装箱应用边界，
以“集装箱+”新型产品实现产品的多元及产
业升级，让“集装箱改变世界”成为现实。

Shanghai Universal continuously expands the
boundaries of container applications. From smart
logistics and green energy to modular construction
and modern agriculture, we are driving product
diversification and industrial upgrades through
innovative "Container Plus" solutions, bringing the
idea that "containers change the world" to life.



Hotel

酒店

中国辽宁省东戴河
Dongdaihe, Liaoning Province, China

面朝大海，梦幻独栋小别墅，坐落海滩，零距离
拥抱阳光海风，这，才是“向往的生活”！

Facing the sea, these dreamy, standalone villas sit on
the beach, basking in sunlight and ocean breeze—
the coastal lifestyle that so many dream of!



Campus

校园

中国山东省青岛市
Qingdao, Shandong Province, China

把“乐高”搬进现实，像搭积木一样盖房子，穿插、
交错、重叠、悬挑和错位，颜值与实用性并存！

Turning LEGO into reality, modular buildings are
assembled like toy blocks, with interlocking, overlapp-
ing, cantilevered, and staggered structures. A
perfect blend of style and function!



Shopping mall

商场

法国马赛
Marseille, France

7台集装箱即可拼成一个单元，百变组合下便
有了全法第二大商贸平台，时尚值直接拉满！

Just seven containers form one unit. With flexible
combinations, they create the second-largest
commercial platform in France, packed with fashion
and flair!



Housing

住宅

澳大利亚
Australia

时尚美观、安装便捷、运输方便，集装箱也能打造温馨的家，还能根据个性需求，自由组合搭配！

Stylish, easy to install, and simple to transport, container homes offer comfort and flexibility. Units can be combined to meet individual needs!



Farm

农场

中国山东省青岛市
Qingdao, Shandong Province, China

打破土地边界，解锁新型农业，全程智能控制，365天都能收获瓜果蔬菜！

Unlocking a new form of agriculture, the farm breaks land limitations and enables year-round harvesting of fruits and vegetables through end-to-end smart control systems!



Energy storage

储能

中国江苏省启东市
Qidong, Jiangsu Province, China

强力储电5000千瓦时，100辆新能源汽车充电不在话下，不管电厂调频还是应急抢险，有了它都能“安全感拉满”！

With a capacity of 5,000 kWh, this unit can charge 100 electric vehicles. It meets the needs of power plant frequency modulation and emergency support, offering exceptional reliability!



Marine apartment

海上公寓

飘洋过海
Overseas

48英尺可折叠运车箱、双层自适应可折叠运车箱，让整车成为“叠罗汉”，实现“花式运车”，缓解国产汽车“出海难”问题！

Featuring 48-foot foldable car containers and double-deck adaptive folding units, these systems enable stacked vehicle transport and ease the challenge of exporting Chinese vehicles abroad!

数智制造

Digital and Intelligent Manufacturing

执“数智之笔”，
为全球集装箱制造标注中国坐标

Using digital intelligence to establish a Chinese presence in container manufacturing globally

我们致力于打造更多代表新质生产力发展方向的“寰宇制造”，加快探索基于5G、大数据、人工智能等前沿技术和核心能力，推进生产线、工艺设备的升级改造，积极布局和建设智能工厂，以数智赋能推动集装箱制造传统产业实现绿色化、智能化转型升级。

We are dedicated to advancing intelligent manufacturing that reflects the development of new quality productive forces. By applying cutting-edge technologies such as 5G, big data, and AI, we upgrade our production lines and process equipment and build smart factories. We aim to empower the traditional container manufacturing industry with digital intelligence, making the industry greener and smarter.

关键绩效 Key Performance Highlights



提升机器人焊接、喷涂智能化应用程度投资

1,080 万元

2024年, In 2024,

We invested RMB **10.8** million to improve the intelligent application of robotic welding and painting



完成各类技改项目

126 项

We completed **126** technical upgrade projects

工厂管理/车间生产

Factory management/workshop production

- 数字孪生技术
Digital twin technology
- 数字化生产管理看板
Digital production management dashboard

- 引入工业机器人、柔性自动线、数控折弯机床等智能装备
Intelligent equipment such as industrial robots, flexible automation lines, and CNC bending machines

成效 Outcomes

等比例模型对车间生产进行全面仿真模拟，实时监控工厂生产全过程，提高生产连续性和稳定性

Full-scale models provide comprehensive simulation and real-time monitoring of workshop operations, enhancing production continuity and stability

人机协同作业有效减少人力成本和劳动强度，预计生产效率提升20%左右

Human-machine collaboration lowers labor costs and reduces physical strain, improving production efficiency by approximately 20%

能源管理

Energy management

- 能源在线监控管理系统
Online energy monitoring and management system

成效 Outcomes

实时监测统计生产用能情况，为生产过程的能效优化和成本节约提供数据基础，提升能源精细化、可视化管理水平

The system monitors and records energy consumption in real time to support energy efficiency improvements and cost reduction, enhancing precision and visualization in energy management

安全管理

Safety management

- 智能安防管控
Intelligent security control
- AI安全行为监测
AI-based safety behavior monitoring

成效 Outcomes

基于AI视觉识别和建模等技术，设置安防电子围栏，实现对生产现场的全方位智能化监测管理

Using AI-powered visual recognition and modeling, the system deploys electronic security fences to enable intelligent, comprehensive monitoring of the production site

续
continuous

仓储配送

Warehouse and logistics

- AGV (自动导向车)
Automated guided vehicles (AGVs)
- 有轨制导车辆 (RGV)
Rail guided vehicles (RGVs)

成效 Outcomes

由AGV/RGV完成自动入库和识别拣货出库工作，实现库存精准控制和快速周转，预计库存成本将降低18%以上

AGVs and RGVs handle automated goods receipt and picking. They enable accurate inventory control and fast turnover, potentially reducing inventory costs by over 18%



设备运维

Equipment operation and maintenance

- 移动端设备点检
Mobile device inspections
- 巡检管理小程序
Inspection management mini program
- 设备预测性维护系统架构
Predictive maintenance system

成效 Outcomes

实时传输设备运行状态，具备故障预测、设备管理等功能，预计设备维护成本将降低15%以上

The system transmits real-time equipment status and provides features such as fault prediction and equipment management. Device maintenance costs are expected to decrease by over 15%



客户服务

Customer services

- 云箱管理系统
Cloud-based container management system

成效 Outcomes

智能化集装箱进出管理系统，实现集装箱进出厂区 and 交付箱东的全流程管控，提高理货效率，提升客户满意度

The intelligent container entry and exit system controls the entire process of container entry, exit, and handover, improving sorting efficiency and customer satisfaction



产品管理

Product management

- 卷钢RFID管理可视化
Visualized RFID-based steel coil management

成效 Outcomes

高清视觉检测和实时数据分析，确保物料在生产中的可追溯性，实现产品质量检测数字化、智能化

High-definition visual inspection and real-time data analysis ensure traceability of materials during production, enabling digital and intelligent product quality inspection

宁波箱厂成功通过国家智能制造成熟度三级评估

DFIC Ningbo Earns Level-3 Certification in National Assessment for Intelligent Manufacturing Capability Maturity

近年来, 宁波箱厂从生产自动化、装备智能化、管理数字化等方面展开系统规划, 探寻智能制造创新解决方案, 充分应用自动控制、工业互联网、人工智能等先进技术, 实现业务流程重塑与生产精益化管理。2024年9月, 宁波箱厂成功通过智能制造能力成熟度评估, 荣获三级标准符合性证书。

In recent years, DFIC Ningbo has developed a comprehensive plan to enhance production automation, intelligent equipment, and digital management, exploring innovative intelligent manufacturing solutions. By adopting advanced technologies such as automatic control, the industrial internet, and AI, the factory has restructured its business processes and improved lean production management. In September 2024, DFIC Ningbo successfully passed the national assessment based on the China Manufacturing Maturity Model (CMMM) and received the Level 3 certification.

注: 智能制造能力成熟度模型 (China Manufacturing Maturity Model, 简称 CMMM) 是由国家工业和信息化部电子技术标准化研究院推出, 依据《智能制造能力成熟度模型》(GB/T 39116-2020)和《智能制造能力成熟度评估方法》(GB/T 39117-2020)两项国家标准开展的标准符合性评估。它围绕“智能+制造”两个维度, 通过现场巡视、人员访谈、系统验证等方法, 对各地区、各行业智能制造发展水平进行客观评价, 具有极高的权威性和影响力。

Note: The China Manufacturing Maturity Model (CMMM), developed by the China Electronics Standardization Institute under the Ministry of Industry and Information Technology (MIIT), is based on two national standards: the *Intelligent Manufacturing Capability Maturity Model (GB/T 39116-2020)* and the *Maturity Assessment Method of Intelligent Manufacturing Capability (GB/T 39117-2020)*. The model evaluates intelligent manufacturing development levels across regions and industries through site inspections, interviews, and system verification, from two dimensions: intelligence and manufacturing. It serves as an authoritative and influential benchmark for intelligent manufacturing maturity.



青岛箱厂入选《2024年5G工厂名录》

DFIC Qingdao Included in China's 2024 5G Factory Directory

近年来, 青岛箱厂持续大力推进工艺、设备的升级改造, 将5G等先进技术与集装箱制造业深度融合, 利用5G网络高效联通产品设计、物资采购、仓储物流等环节, 实现生产流程的自动化、智能化和高效化, 显著提升生产效率。2024年11月, 青岛箱厂成功入选《2024年5G工厂名录》。

DFIC Qingdao has made continuous progress in upgrading its processes and equipment. By integrating advanced technologies including 5G technology into container manufacturing, the factory efficiently connects product design, procurement, warehousing, logistics, and other operations. This integration has enabled greater automation, intelligence, and efficiency in production, significantly boosting productivity. In November 2024, DFIC Qingdao was officially listed in the *2024 5G Factory Directory*.

注: 《2024年5G工厂名录》是为深入贯彻党的二十大和二十届二中、三中全会精神, 认真落实党中央、国务院决策部署, 深入推进“5G+工业互联网”创新发展, 持续实施5G工厂“百千万”行动, 加快高水平5G工厂建设, 经省级工业和信息化主管部门、通信管理局推荐及工业互联网战略咨询专家委评审, 核定发布的5G工厂项目名录。

Note: The *2024 5G Factory Directory* is to implement the strategies outlined in the 20th CPC National Congress and the second and third plenary sessions of the 20th CPC Central Committee. It supports the advancement of the "5G+ Industrial Internet" initiative and the ongoing 5G Factory Campaign aiming at building 100 high-level model 5G factories, developing 1,000 representative 5G factories, and promoting the adoption of 5G technology in around 10,000 enterprises. The directory includes projects nominated by provincial industry and information departments and communications administrations, and approved by a panel of industrial internet strategy experts.

★ 荣誉与认可 ★ Honors and Awards

青岛箱厂获得工信部“2024年5G工厂”和“山东省级智能工厂”称号

DFIC Qingdao was included in the "2024 5G Factory Directory" of MIIT and named "intelligent manufacturer in Shandong".

启东箱厂获得“2024年江苏省智能制造车间”称号

DFIC Qidong was named "Jiangsu-based Intelligent Workshop of the Year 2024".

连云港箱厂获得“2024年江苏省智能制造车间”和“江苏省五星级上云企业”称号

DFIC Lianyungang was named "Jiangsu-based Intelligent Workshop of the Year 2024" and a "Jiangsu-based Five-star Enterprise in the Cloud".

宁波箱厂成功通过国家智能制造成熟度三级评估、获评2024年度“浙江省5G全连接工厂”称号

DFIC Ningbo earned Level 3 certification in national assessment for intelligent manufacturing capability maturity, and was named "5G Fully Connected Factory in Zhejiang Province" for 2024.

质量管理

Quality Management

匠心品质始于第一块钢材的淬炼，
终于最后一道工序的雕琢

Excellence in craftsmanship begins with the forging of the first piece of steel and culminates in the final finishing process

我们践行“向客户承诺的是诚信，让客户体验的是满意”质量价值观，构建贯穿生产全过程、覆盖全员的质量管理体系，不断增强质量竞争力，打造寰宇卓越质量品牌。寰宇总部及锦州、青岛、连云港、启东、宁波、广州6家箱厂均通过ISO 9001质量管理体系认证。

We uphold a philosophy of integrity and customer satisfaction. Our quality management system spans the entire production process and involves every employee. This approach enhances our competitive edge in quality and establishes Shanghai Universal as a brand of outstanding quality. Our headquarter and six container factories in Jinzhou, Qingdao, Lianyungang, Qidong, Ningbo, and Guangzhou have all been certified under the ISO 9001 quality management system.

多措并举加强质量管理 Multiple Measures to Strengthen Quality Management

► 加强原材料质量管控 Tighter control over raw material quality

强化原材料检验标准化，在日常送检基础上建立季度抽检机制，建立并推行原材料质量周报、月报制度，及时整理提交反馈给采购部门，有效防控批量质量事故风险

We standardized inspection procedures for raw materials. We conducted quarterly spot checks in addition to routine inspections, and maintained weekly and monthly reports on the quality of raw materials. These reports were promptly shared with the procurement team to prevent incidents related to batch quality

► 推动质量步步检标准化 Standardized quality assurance process

定期开展工厂质量巡检、现场监督步步检执行情况、建立质量数据看板等措施推动质量管理改进，确保产品质量的稳定性和可靠性

We conducted regular factory inspections, closely monitored on-site implementation of quality checks, and used data dashboards to drive continuous improvements in quality management. These measures ensure product consistency and reliability

► 完善质量管理数字化 Digitized quality management

完善各箱厂质量管理数字化设备的应用实施，实现关键岗位监控、质量检验跟踪的信息化，确保质量管理的精准性和可追溯性

We expanded the use of digital tools across container factories to monitor key roles and track inspection data, enabling precise and traceable quality control

人人参与的质量文化活动 A Quality Culture Involving Everyone

“质量月”系列活动 "Quality Month" activities

每年度开展质量月活动，通过开展质量故事分享会、随箱步步检研讨会、质量擂台赛、质量知识加油站、匠心匠艺焊接比武等系列活动，增强全员质量意识和专业素养。

Each year, we host a variety of activities such as quality assurance stories sharing, container inspection seminars, quality competitions, quality knowledge workshops, and welding contests. These activities boost employees' awareness and competence in quality assurance.

“质量品鉴”专项行动 "Quality Benchmarking" initiatives

开展“质量明星讲质量”“现场质量小课堂”等活动，通过跨部门的紧密协作与互学互鉴，共同提升质量意识与能力。每周开展管理人员全员质量品鉴活动，对检查出的问题由生产部门及时落实整改，并集中通报整改情况，实现质量闭环管理。

We conducted activities such as "Insights from Quality Stars" and "Quality Classes", encouraging departments to collaborate and learn from each other, and improve quality awareness and competence together. We hold weekly quality benchmarking activities involving all managers. The production team promptly addresses any issues identified and reports on the corrective actions to ensure closed-loop quality management.

关键绩效 Key Performance Highlights

2024年，
In 2024,



上海寰宇全年产品质量的平均一次下线合格率

98.90%

Shanghai Universal achieved an average first pass yield of **98.90%**



一次交验合格率

99.87%

A first-time acceptance rate of **99.87%**

★ 荣誉与认可 ★ Honors and Awards

2024年，
In 2024,

启东箱厂“最美铠甲”质量攻关小组，凭借全面系统地推动储能集装箱产品质量提升成果，斩获第七届中央企业质量控制小组成果发表赛三等奖

DFIC Qidong's "Most Beautiful Armor" quality task force earned third prize at the 7th Competition for Quality Control Teams from Central State-owned Enterprises, for the comprehensive and systematic improvements they made in the quality of energy storage container products.

客户服务

Customer Services

我们的服务与集装箱一起跨越山海

Delivering Service with Every Container
Across Land and Sea

我们始终坚信，卓越的品质服务凝聚在产品生产的各个环节。从生产至交付，每一位寰宇人都精益求精，用专业与专注雕琢每一个细节，以行动守护客户的信任。

We believe that exceptional service is built into every step of the manufacturing process. From production to delivery, members of Shanghai Universal pursue excellence in every detail with professionalism and dedication, honoring customer trust with concrete action.



24小时服务全球 24/7 Global Services

我们构建覆盖全球的24小时全天候服务体系，以“零时差”的贴心服务及时响应客户需求，第一时间交付客户满意的成果

We have established a 24/7 global service network that provides real-time, responsive support with no time zone barriers. Our goal is to promptly meet customer needs and deliver satisfying solutions without delay



提供精准定制化服务 Customized services

积极探索研发多类特种箱，提升“集装箱+”定制能力，为客户提供量身定制的集装箱解决方案，满足更多多元化、个性化需求

We have developed a wide range of specialized containers and strengthened our "Container Plus" customization capabilities. This allows us to deliver container solutions tailored to diverse and personalized requirements



构建新型客户关系 Stronger customer relationships

深化与客户之间的技术生产合作，向客户全程开放质量流程，让客户直接参与质量管理，共享质量资源和能力

We have deepened technological and production collaboration with our customers. By fully opening our quality processes, we enable customers to directly participate in quality management and share quality resources and expertise

“云验箱”助力客户高效完成质量验收

Cloud Inspection Enhances Efficiency in Quality Checks

为突破地理限制、提升验箱效率，青岛箱厂创新推出“云验箱”数字化服务。通过“云连线”，青岛箱厂工作人员为客户全方位展示集装箱外观涂装质量，并重点检测箱体焊缝工艺、焊接气孔与焊渣处理、密封胶施工质量以及箱门开合流畅度等关键指标，使客户无需亲临现场即可高效完成质量验收。

To overcome geographic limitations and improve inspection efficiency, DFIC Qingdao launched a digital "cloud inspection" service. Through real-time video connections, factory staff provide a full view of the container's exterior coating and focus on key quality indicators such as weld seams, pores and slag treatment, sealant application, and smooth operation of container doors. This allows customers to complete quality inspections efficiently without being physically present.



关键绩效 Key Performance Highlights

2024年，
In 2024,



发生投诉或产品召回事件

0起

we recorded **zero** customer complaints and **zero** product recalls

提升客户满意度 Improving Customer Satisfaction

我们高度重视客户给予的反馈，每年面向客户开展满意度调查，深入了解客户需求与期望并针对反馈意见及时优化管理，持续提升产品与服务能力。

We highly value customer feedback. Each year, we conduct satisfaction surveys to better understand customer needs and expectations. Based on the insights gathered, we promptly refine our management practices and continuously improve our products and services.



<p>调研对象 Survey Participants</p>	<ul style="list-style-type: none"> 72家东方国际集装箱(香港)有限公司客户 72 customers of Dong Fang International Container (Hong Kong) Co., Ltd. 	
<p>调研指标 Survey Indicators</p>	<ul style="list-style-type: none"> 合同约定排产执行情况 Adherence to contracted production schedules 产品质量 Product quality 交箱送柜落实情况 Container delivery and handover 	<ul style="list-style-type: none"> 客户投诉处理及时率 Timeliness in handling customer complaints 沟通与客服 Communication and customer service
<p>调研结果 Survey Result</p>	<ul style="list-style-type: none"> 客户满意度99.74% Customer satisfaction rate: 99.74% 	



获得
宁德时代“质量优秀外协基地”

Shanghai Universal is recognized as
"High-Quality External Manufacturing Base"
by CATL



获得
远景集团“合作共赢奖”

Shanghai Universal is awarded the
"Win-Win Cooperation Award"
by Envision Group

绿色领航, 碳路精彩

Leading with Green and Low-Carbon Practices

03

与寰宇共成长:我们的ESG足迹

Growing with Shanghai Universal: Our ESG Footprint



可持续发展是这个世界的主旋律。保护地球需要全世界共同努力,美好的环境不会因为某个国家、某个团体的付出就能够实现。善待地球,珍惜资源,在人类生存的地球上,每个人都是命运共同体,我们都应该为保护这个大家园而做出贡献。

——世界地球日倡议

Sustainability is a global priority. Protecting our planet requires coordinated global efforts. No single country or organization can achieve a better environment on its own. We must treat the Earth with care and use resources responsibly. As members of a shared global community, we all have a duty to help preserve our common home.

—Earth Day Initiative

作为项目参与成员,我很荣幸与合作伙伴共同打造了全球首个集装箱碳足迹管理平台(CFP&EPD)。这个创新平台实现了从原材料到产品交付的全生命周期碳排放在线监测,让我们能够精确掌握每个环节的环境影响。更令人振奋的是,通过这个平台,我们成功联合产业链上下游企业组建了低碳合作联盟,建立了统一的碳核算体系,为推进行业绿色供应链建设提供了重要支撑。

——青岛箱厂CFP&EPD项目组

As a member of the project team, I am honored to have worked with our partners to develop the world's first Container Carbon Footprint and Environmental Product Declaration (CFP & EPD) Platform. This innovative platform enables online monitoring of carbon emissions throughout the entire product lifecycle from raw material sourcing to final delivery. It allows us to accurately measure the environmental impact at every stage. More importantly, it has brought together upstream and downstream industry stakeholders to form a low-carbon alliance. Together, we have built a unified carbon accounting system, providing essential support for developing a green supply chain across the industry.

—CFP & EPD Project Team, DFIC Qingdao

我们从原材料采购到生产运输,对每个环节都进行严格的环境影响评估。通过持续的技术创新、设备升级和清洁能源应用,我们正推动着集装箱产品的低碳化转型。这不仅是在工作,更是对环境保护的一份责任与承诺。

——上海寰宇集中采购部

We conduct rigorous environmental assessments at every step, from raw material sourcing to manufacturing and logistics. Through continuous innovation, equipment upgrades, and the use of clean energy, we are driving the low-carbon transformation of container products. This is not just part of our work, but reflects our commitment and responsibility to protect the environment.

—Shanghai Universal Central Procurement Department

绿色低碳转型战略

Green and Low-carbon Transition Strategy

致力于业务发展与生态环境
和谐共生

Pursuing business growth in harmony
with environmental sustainability

作为集团航运产业链核心一环的集装箱制造生产商,上海寰宇积极响应国家“双碳”目标,通过绿色低碳战略引领、健全管理制度体系及绿色智造实践创新等多种举措,推动业务发展与生态环境和谐共生。2023年,公司制定绿色低碳转型发展方案,明确绿色低碳转型发展的路线和任务。

As a core container manufacturer in the Group's shipping industry chain, Shanghai Universal actively supports China's "dual carbon" goals. The Company drives business growth in harmony with environmental sustainability through a green and low-carbon strategy, a robust management system, and ongoing innovation in green and intelligent manufacturing practices. In 2023, Shanghai Universal introduced a green and low-carbon transition plan that clearly outlines the roadmap and key tasks for achieving this transformation.

五大降碳路径

Five Carbon Reduction Pathways



目标

Target

到2030年,每TEU碳排放强度较2020年下降 **10%**,
2050年前实现碳中和。

Reduce carbon emissions per TEU by **10%** by 2030 (compared to 2020) and achieve carbon neutrality before 2050.

全球首个集装箱 CFP&EPD平台

The World's First Container CFP & EPD Platform

让低碳集装箱标签伴随集装箱一起，
流通至全球各地

Making a green statement globally with
low-carbon labels on containers

集装箱碳足迹管理涉及原材料采购、生产制造、运输物流、使用维护乃至回收处理的全生命周期，是一项贯穿全产业链的复杂系统工程，需要产业链上下游协同合作。上海寰宇于2023年10月8日推出全球首个集装箱CFP&EPD平台，通过数据透明化和标准化，建立行业统一的碳排放核算标准，探索产业链绿色可持续发展路径。

Managing the carbon footprint of containers involves the entire lifecycle from sourcing raw materials and manufacturing to transportation, use, maintenance, and recycling. This is a complex process that demands collaboration across the industry chain. On October 8, 2023, Shanghai Universal launched the world's first container CFP & EPD platform. By making data transparent and standardized, the platform sets a unified benchmark for carbon emissions accounting across the industry and explores sustainable development pathways for the industry chain.

CFP指产品碳足迹 (Carbon footprint)，是产品系统中的温室气体排放量和温室气体去除量之和，以二氧化碳当量为单位表示，基于使用气候变化单一影响类别的生命周期评价。

Carbon Footprint of Products (CFP) refers to the total GHG emissions and removals associated with a product system, expressed in carbon dioxide equivalents. It is based on a life cycle assessment that focuses solely on climate change impacts.

EPD指环境产品声明 (Environmental Product Declaration)，是经由第三方验证的，科学的、可比的、可量化的，对产品整个生命周期的环境影响综合信息披露。EPD可理解为产品的“环境履历”，详细说明了产品从原材料获取、生产、使用到最终废弃或回收的整个生命周期中对不可再生资源、生态系统、人体健康等方面的影响。

Environmental Product Declaration (EPD) is a third-party verified, scientific, comparable, and measurable disclosure of a product's environmental impact throughout its lifecycle. Serving as the product's "environmental profile", EPD outlines the effects from raw material sourcing through production, use, and final disposal or recycling, including impacts on non-renewable resources, ecosystems, and human health.

平台的主要功能与成果

Core Functions and Achievements of the Platform

促进产业链合作 Fostering industry chain collaboration

平台汇聚钢铁、航运等产业链上下游相关企业近百家，以低碳联盟形式共同制定规则，以及在联合开发新材料、扩大绿色采购范围、拓展绿色融资渠道等方面深化平台共建合作，推动集装箱全产业链的绿色低碳转型。

The platform brings together nearly 100 companies from across the steel, shipping, and related sectors. These companies form a low-carbon alliance to jointly establish rules and deepen collaborations in key areas including the co-development of new materials, the expansion of green procurement, and the diversification of green financing options. The goal is to advance a green and low-carbon transition across the entire container industry chain.



核算集装箱产品碳足迹 Calculating the carbon footprint of container products

核算集装箱全生命周期的碳足迹，并以环境产品声明的形式对外披露，为产业链上下游企业提供科学、可比的环境数据。

The platform calculates the whole life-cycle carbon footprint of containers and publishes the data through EPDs. These disclosures provide reliable, comparable environmental data for businesses across the industry chain.

基于集装箱碳足迹图谱，上海寰宇通过工艺升级、设备更新等举措，使单箱生产能耗降低约13%，同时危险废弃物排放降低30%，固体废弃物排放降低50%。

Based on insights from the container carbon footprint map, Shanghai Universal has achieved a 13% reduction in energy consumption per container by upgrading processes and equipment. We have also reduced hazardous waste by 30% and solid waste by 50%.



推动行业标准制定 Setting industry standards

建立环境数据核算规则并升级为团体标准，发布多款产品种类规则 (PCR)，为集装箱行业的绿色低碳发展提供统一的规范和依据。

The platform has established rules for environmental data accounting and elevated them to group-level standards. It has released several Product Category Rules (PCRs) that provide a unified framework for the green and low-carbon transition of the container industry.

截至2024年底，集装箱CFP&EPD平台已累计发布7款PCR，发布25份EPD认证报告和15份CFP报告，涉及集装箱、涂料、角件、密封条、锁杆、地板、工业铝型材等多品类部件和材料。

By the end of 2024, the container CFP & EPD platform had released seven PCRs, along with 25 EPD reports and 15 CFP reports. These publications cover a wide range of container components and materials, including containers, coatings, corner castings, sealing strips, locking rods, flooring, and industrial aluminum profiles.

平台EPD标签可粘贴在集装箱上，是集装箱绿色低碳、生态友好的象征。截至2024年底，EPD标签获得Florens、CAI、Vanplus等7家客户认可，已在3.6万余台集装箱上粘贴。

The platform's EPD labels can be affixed to containers, signifying that they are low-carbon and eco-friendly. By the end of 2024, 7 customers, including Florens, CAI, and Vanplus, had adopted the labels, which had been applied to more than 36,000 containers.



研发绿色产品

Developing Green Products

探索集装箱产品的无限可持续发展潜能

Unlocking the sustainability potential of container products

在全球航运业净零目标与中国“双碳”目标的驱动下，绿色低碳型集装箱产品的市场需求显著提升。上海寰宇精准把握行业趋势，积极布局绿色产品研制，为客户实现可持续发展目标提供有力支撑。

As the global shipping industry works toward net-zero emissions and China advances its dual carbon goals, the demand for green and low-carbon containers is growing rapidly. Shanghai Universal is closely aligned with these trends, proactively developing green container products to support customers in achieving their sustainable development goals.

储能箱相关研发与业务进展

Energy Storage Container R&D and Business Milestones

2024年陆用储能箱产量同比增长

332.1%

In 2024, land-based energy storage container production increased by **332.1%** year over year

公司研发的船用风冷储能箱已跟随2艘700TEU电池动力集装箱

37

航次

The Company's proprietary marine-grade air-cooled energy storage containers have completed **37** voyages aboard two 700 TEU battery-powered container ships

开展“长江大型充电/换电零碳动力及智能技术应用”科研项目

The Company initiated a research project titled "Large-Scale, Smart, Zero-Carbon Charging and Battery Swapping for the Yangtze River"

申请“用于集装箱电池自动装箱系统的安装站”专利

The Company filed a patent for an "Installation Station for Automated Battery Loading Systems in Containers"

为全球新能源装备打造最美铠甲

Building the Most Elegant "Armor" for Global New Energy Equipment

随着全球对可持续能源解决方案的需求日益增长，储能集装箱的市场需求进一步增长。储能集装箱类似于超级充电宝，每只箱子最高可储电5000千瓦时，相当于100多辆新能源汽车的储电量总和。

With growing global demand for sustainable energy solutions, the energy storage container market is experiencing accelerated expansion. These containers work like massive power banks. Each container can store up to 5,000 kilowatt-hours of electricity, equivalent to the combined capacity of more than 100 new energy vehicles.

生产储能集装箱绝非“将电池装进集装箱”那么简单，储能集装箱和普通集装箱的生产材料、制造工艺完全不同。相较于普通集装箱的5年保质期，储能集装箱使用年限要求长达20—25年，且对防爆、防火、防腐都有着极高要求。且必须在其有限的空间内，精心配置冷电柜、主控箱、水冷机组、总控箱、配电柜与消防系统等设备。

Manufacturing these containers is far more complex than simply fitting batteries into a container. Unlike traditional containers, energy storage containers require different materials and manufacturing processes. While traditional containers are designed to last around five years, energy storage containers must perform reliably for 20-25 years. They also face stringent requirements for explosion protection, fireproof, and corrosion resistance. Their limited space must accommodate components such as cooling cabinets, main control boxes, water-cooling units, central control panels, power distribution cabinets, and fire suppression systems.

自2022年来，启东箱厂集中精力做好储能集装箱的方案设计和系统集成，与多家储能行业龙头企业展开合作，为全球新能源装备打造最美铠甲。

Since 2022, DFIC Qidong has focused on the design and system integration of energy storage containers. It has established partnerships with leading companies in the energy storage industry to deliver high-quality enclosures for new energy equipment worldwide.



★ 荣誉与认可 ★ Honors and Awards

启东箱厂获得“2024年度中国储能产业最佳创新力企业奖”
“2025年度中国储能产业配套产品优秀供应商奖”

DFIC Qidong received the Award for the Most Innovative Enterprise of 2024 in China's Energy Storage Industry and the Outstanding Supplier Award for Energy Storage Support Products for 2025.

启东箱厂“非步入式储能集装箱项目”荣获“2024年度江苏省可再生能源行业技术创新奖”

The "non-walk-in energy storage container project" won the 2024 Jiangsu Renewable Energy Technology Innovation Award.

绿色工厂 Green Factory

用绿色匠心锻造每一只集装箱

Crafting every container with green innovation

我们致力于减少集装箱生产的全生命周期环境影响。截止目前，寰宇总部及广州、宁波、启东、连云港、青岛、锦州6家箱厂均通过ISO 14001环境管理体系认证。

We are dedicated to minimizing the environmental impact of container production throughout its entire life cycle. To date, our headquarter and six container factories in Guangzhou, Ningbo, Qidong, Lianyungang, Qingdao, and Jinzhou have all been certified under the ISO 14001 environmental management system.

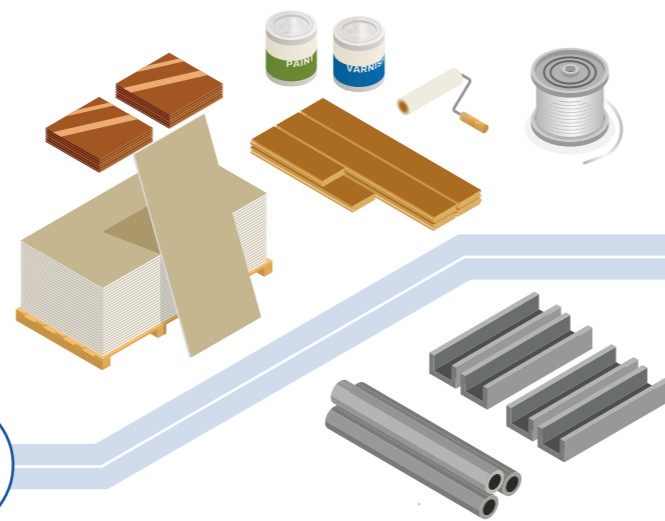
01 原材料使用 Use of raw materials

环境影响 Environmental Impact

- 钢板、木地板、油漆、焊丝、密封胶、角件的使用
- Use of steel plates, wood flooring, paint, welding wire, sealants, and corner castings

举措 Actions

- 节约原材料：循环使用钢铁、油漆周转桶
- Save raw materials by reusing steel and paint drums



关键绩效 Key Performance Highlights

2024年, In 2024,

经过FSC认证的木材采购量占比
94.57%

In 2024, **94.57%** of wood purchased was FSC certified.

02 能源与资源消耗 Energy and resource consumption

环境影响 Environmental Impact

水资源消耗: Water consumption

(注: 公司所有业务活动用水均取自市政网络, 不使用自然取水, 无求取使用水源相关问题)

(Note: The Company sources all water for its business activities from the municipal supply network, instead of natural water resources. This eliminates concerns over water withdrawal and access to water resources.)

- 生产用水 (注: 生产用水消耗量小, 且循环使用不对外排放, 产生环境影响较小)
- Process water use (Note: The Company consumes a small amount of process water, which is recycled rather than discharged after use. This results in negligible environmental impact.)
- 生活用水
- Domestic water use



能源消耗: Energy consumption

- 电力: 占能源使用总量62.17%, 其中光伏发电占4.52%
- Electricity: Accounts for 62.17% of total energy consumption; of which photovoltaic (PV) power accounts for 4.52% of total energy consumption
- 天然气: 占能源使用总量29.11%
- Natural gas: Accounts for 29.11% of total energy consumption

关键绩效 Key Performance Highlights

2024年, In 2024,

能源总耗
584,499.12千千瓦时
Total energy consumption:
584,499.12 MWh

光伏发电量
26,432.87千千瓦时
Solar power generated:
26,432.87 MWh

水资源消耗量
1,046,965.00吨
Water used:
1,046,965.00 tonnes

举措 Actions

- 提高能源使用效率与运营效率
- Improve energy and operational efficiency
- 使用清洁能源: 建设分布式光伏、储能电站、购买绿证、绿电
- Use clean energy by building distributed PV and energy storage power stations, and purchasing green electricity and certificates
- 循环用水
- Reuse water

03 生产过程排放 Emissions during production

环境影响 Environmental Impact

气体排放：Gas emissions

- 废气：氮氧化物、硫氧化物、颗粒物、挥发性有机化合物（VOCs）
Exhaust gas: NOx, SOx, particulate matters, and VOCs
- 温室气体：二氧化碳
GHG emissions: CO2

废弃物排放：Waste discharge

- 有害废弃物：漆渣、废油漆桶、废油漆沾染物
Hazardous: Paint sludge, used paint buckets, and paint-contaminated materials
- 无害废弃物：废钢铁、废铁灰、废木材
Non-hazardous: Scrap steel, waste iron powder, and waste wood

举措 Actions

- 减少废弃物：提高原材料成材率、废弃物分类处置
Reduce waste through improved material yields and categorized disposal
- 减少废气：“沸石转轮+RTO”工艺升级、设施改造
Reduce exhaust gas by upgrading the "zeolite rotor concentrator + RTO" processes and facilities



04 生产过程其他影响 Other impacts of production

环境影响 Environmental Impact

- 电焊粉尘、噪声
Welding dust, noise

举措 Actions

- 加强末端防治污染设备升级改造
Upgrade end-of-pipe pollution control systems



05 场内运输 Intralogistics

环境影响 Environmental Impact

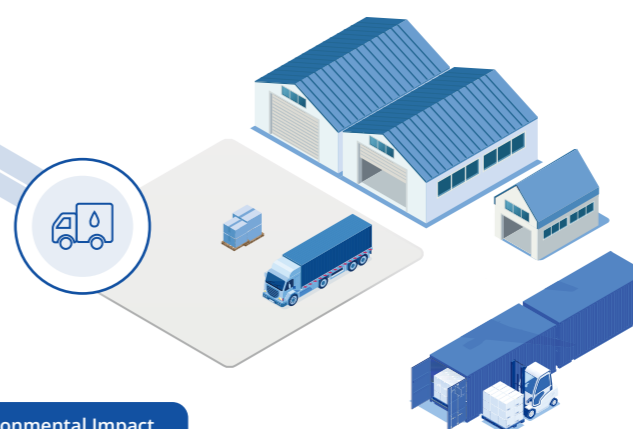
能源消耗：Energy consumption

- 汽油：公务车
Gasoline: Used by fleet vehicles
- 柴油：场内机械车辆移动
Diesel: Used by machinery and vehicles for intralogistics

(注：其他能源消耗占能源使用总量8.71%)
(Note: Other energy consumption accounts for 8.71% of total energy consumption.)

举措 Actions

- 升级数智化管理系统，提高场内调度与运输效率
Improve intralogistics efficiency by adopting digital and intelligent management systems



★ 荣誉与认可 ★ Honors and Awards

截至2024年底，
By the end of 2024,

锦州箱厂、青岛箱厂、连云港箱厂、宁波箱厂
已获国家级绿色工厂称号

DFIC Jinzhou, DFIC Qingdao, DFIC Lianyungang, and DFIC Ningbo received "National Green Factory" certification

启东箱厂、广州箱厂已获省级绿色工厂称号
DFIC Qidong and DFIC Guangzhou were certified as "Provincial Green Factory"

启东箱厂储能集装箱集成车间获零碳工厂
(I型) 认证

DFIC Qidong Energy storage container integration workshop earned the "Zero-Carbon Factory" (Type I) certification

关键绩效 Key Performance Highlights

2024年, In 2024,

温室气体排放总量
235,984.95吨
二氧化碳当量

Total GHG emissions:
235,984.95 tonnes CO₂e

通过设备改造和使用新能源电力
实现碳减排

16,907.91吨二氧化碳当量

Carbon reduction through equipment
upgrades and renewable electricity:
16,907.91 tonnes CO₂e

有害废弃物产生量
22,480.39吨

Hazardous waste:
22,480.39 tonnes

回收/再利用的废物总量
112,727.45吨

Waste recycled/reused:
112,727.45 tonnes

硫氧化物排放量
5.38吨

SOx: **5.38 tonnes**

温室气体排放密度
0.10吨二氧化碳当量/TEU

GHG emission intensity
0.10 tonnes CO₂e /TEU

废水产生量
795,693.40吨

Wastewater:
795,693.40 tonnes

无害废弃物产生量
106,894.68吨

Non-hazardous waste:
106,894.68 tonnes

氮氧化物排放量
28.43吨

NOx: **28.43 tonnes**

颗粒物 (PM) 排放量
1.57吨

PM: **1.57 tonnes**

关键绩效 Key Performance Highlights

2024年, In 2024,

场内运输消耗柴油
4,184.39吨

Diesel used for intralogistics:
4,184.39 tonnes

汽油
110.85吨

Gasoline:
110.85 tonnes

温室气体排放量
50,937.27吨
二氧化碳当量

GHG emissions:
50,937.27 tonnes CO₂e

合众同心, 美好未来 Working Hand-in-Hand Toward a Flourishing Future

04

与寰宇共成长：我们的ESG足迹

Growing with Shanghai Universal: Our ESG Footprint



暑假的时候，厂里组织我们工友的孩子来参观工厂，还给我们的小孩讲解安全生产。车间里还给我们播放孩子的安全嘱托视频。我们很理解厂里在安全管理上的良苦用心，安全工作也会执行更到位。

—锦州箱厂一线员工

我来自湖南，刚来广州不适应这里的口味，但广州箱厂的员工餐厅里什么口味都有，辣的不辣的都能选择。生日那天，厨师长还特意为我做了一碗辣椒炒肉拌面，这味道，对啦！

—广州箱厂一线员工

厂里经常组织各种学习和培训，我们也慢慢转变为技术岗，不仅要对制造工艺了如指掌，还要学会操作、保养智能设备。对我们年轻人来说，这种转变和提升很需要。

—启东箱厂冲压车间班长

赵双利

During summer vacation, the factory invited our children to visit and learn about workplace safety. They even showed us videos of our kids giving safety reminders. We truly appreciate the factory's thoughtful efforts in promoting safety, and we are now more committed to following safety protocols.

—Production line worker at DFIC Jinzhou

I am from Hunan Province. When I first arrived in Guangzhou, I had a hard time adjusting to the local food. However, the staff canteen here offers a variety of dishes, including spicy and non-spicy options. On my birthday, the head chef made a bowl of stir-fried pork with noodles for me, and that flavor is spot on!

—Production line worker at DFIC Guangzhou

The factory often organizes training sessions. Over time, we have transitioned into technical roles. Now we not only need to be fully familiar with the manufacturing process, but also know how to operate and maintain intelligent devices. For young workers like us, this kind of transformation and growth is exactly what we need.

—Zhao Shuangli, Shift Leader, Stamping Workshop, DFIC Qidong

数智时代的引才与育才

Talent Recruitment and Development in the Digital and Intelligent Era

在数字化转型、科技创新和智能制造等关键领域积极吸引高素质科技人才

Actively recruit top-tier professionals in digital transformation, technological innovation, and intelligent manufacturing

为推动企业向世界一流物流装备科技企业迈进，我们始终将人才视为核心竞争力。在数字化转型、科技创新和智能制造等关键领域，我们积极吸引高素质科技人才，致力于打造多元化、国际化的人才团队。同时，我们建立了与企业战略及发展需求紧密契合的人才引进与培养机制，通过优化人才发展环境、完善培训体系，为员工提供广阔的职业发展机会，助力企业实现可持续发展。

To become a world-class tech-savvy logistics equipment enterprise, we regard talent as a key competitive edge. We actively recruit top-tier professionals in digital transformation, technological innovation, and intelligent manufacturing, striving to build a diverse and globally-minded workforce. We have developed a recruitment and training system that aligns closely with our strategic goals and business needs. By optimizing the talent development environment and enhancing our training system, we offer employees broad career development opportunities to support the Company's sustainability visions.

性别 Gender	
男 Male	女 Female
1,045	217

年龄 Age			
30岁以下 Under 30	30-39岁 30-39	40-49岁 40-49	50岁及以上 50 and above
87	440	514	221

学历结构 Education background		
大专及以下 Junior college degree and below	本科 Bachelor's degree	硕士及以上 Master's degree and above
721	485	56

2024年，我们组织400余人次参加各类重点项目培训班：

In 2024, over 400 employees received training through various key programs, including:

国资委国有企业发展数字经济实践案例网络培训班、推动传统产业数字化智能化绿色化转型升级网络专题班、推动企业绿色低碳发展典型案例网络培训班；

Online training programs organized by SASAC on SOEs' practices of developing the digital economy, webinars on the digital, intelligent, and low-carbon transformation of traditional industries, and webinars on green and low-carbon development best practices;

中远海运集团2024年科技创新培训、新质生产力系列讲座、人工智能大讲堂；

COSCO SHIPPING Group's 2024 technological innovation training, the "New Quality Productive Forces" lecture series, and the Artificial Intelligence Seminar;

中远海运发展科技创新人才研修班以及“战新产业”系列讲座。

COSCO SHIPPING Development's innovation talent training program and the "Strategic Emerging Industries" lecture series.

健康与安全

Health and Safety

我们始终将员工生命健康与安全置于最优先级

We place the highest priority on protecting the life, health, and safety of our employees



厚植安全文化 Building a Strong Safety Culture

上海寰宇立足集装箱制造行业特性,以“心防+技防”形成制度约束与人文关怀刚柔并济的安全文化与管理模式。通过建立家企联动机制,组织“家属开放日”实地观摩、开展“亲情安全嘱托”等特色活动,将家庭温情注入安全管理体系。

Based on the characteristics of the container manufacturing industry, Shanghai Universal has cultivated a well-rounded safety culture that integrates institutional controls with human-centered care, "enhancing employees' safety awareness while reinforcing technical safeguards". We have established a company-family engagement mechanism and host activities such as "Family Open Day" and "Safety Messages from Loved Ones" to integrate familial support into our safety management system.

在每年度的“安全生产月”专项工作中,系统策划与实施主题宣教、知识竞赛、技能比武、专题培训等系列举措,深化全员安全责任意识,实现安全文化建设的体系化推进。

Each year during the "Workplace Safety Month", we organize a series of events including themed awareness campaigns, knowledge contests, skill competitions, and specialized training. These efforts deepen employees' sense of responsibility for safety and support a systematic approach to building our safety culture.

完善安全管理 Improving Safety Management

上海寰宇严格贯彻员工职业健康安全管理,通过逐级签订《安全生产与生态环境保护工作责任书》,落实全员安全生产责任制。同时,我们积极响应国务院安委会及上海市的统一部署,编制《上海寰宇安全生产治本攻坚三年行动实施方案(2024-2026年)》,夯实安全生产基础,持续提升本质安全水平。

2024年,上海寰宇总部及下属六家箱厂全部通过中国船级社ISO 45001职业健康安全管理体系认证。

Shanghai Universal rigorously enforces occupational health and safety management. Employees at all levels are required to sign the *Workplace Safety and Environmental Protection Responsibility Agreement* to ensure company-wide safety accountability. In alignment with directives from the Work Safety Committee of the State Council and the Shanghai municipal government, we have developed the *Shanghai Universal Three-Year Fundamental Safety Enhancement Action Plan (2024-2026)*, aimed at strengthening safety foundations and continuously improving intrinsic safety performance.

In 2024, our headquarter and all six container factories earned ISO 45001 certification for occupational health and safety management from China Classification Society.



2024年主要健康与安全管理举措

Key health and safety management initiatives in 2024



重大隐患排查

Major hazard identification

- 编制重大隐患排查相关的事项汇编、检查清单、检查手册并组织学习
Compiled a series of materials for major hazard inspections, including issue lists, checklists, and manuals, and organized specialized training sessions
- 制定重大隐患排查实施方案并实施
Developed and implemented a plan for identifying major hazards
- 各工厂均未发现重大事故隐患
No major accident hazards were identified at any factory



整治专项安全问题

Targeted safety issue rectification

- 老旧设备设施安全隐患专项排查
Conducted special inspections to identify risks related to aging equipment and infrastructure
- 员工宿舍消防安全专项整治
Launched a dedicated campaign to improve fire safety in employee dormitories



安全信息化建设

Safety information system development

- 编制《安全生产信息化统建规划》
Formulated the *Development Plan for Workplace Safety Information Systems*
- 推进消防物联网建设
Promoted the deployment of Fire Safety IoT

安全班组建设

Safety team development

- 推动班组安全标准化建设,提升员工专业技能和安全意识
Standardized team-level safety practices to improve employees' professional skills and safety awareness
- 推动班组安全文化建设,实现“三零班组”目标
Cultivated a strong safety culture within teams to achieve the goal of "Triple Zero Teams"
- 荣获中国安全生产协会“安全管理标准化班组风采展示优秀组织单位”称号
Recognized by the China Association of Work Safety as an "Outstanding Organization for Standardized Safety Management Teams"



安全教育与培训

Safety education and training

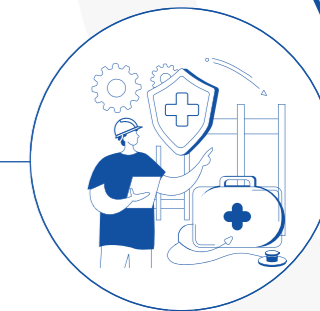
- 编制《安全生产信息化统建规划》
Developed the *Implementation Plan for Job Safety Procedures and Risk Control Measures*
- 推动节假日后复工复产的“开工第一课”安全培训
Conducted "First Day Back to Work" safety training after holiday breaks
- 组织观看各类安全警示教育片
Organized viewings of safety awareness and warning videos



季节性健康保障

Seasonal health protection

- 针对2024年第三季度的持续高温,增加降温设施,改善现场环境条件,及时提供防暑饮品药品,调整工作时间
Enhanced cooling infrastructure, improved on-site working conditions, provided heat-relief beverages and medication, and adjusted working hours in response to the prolonged heat in Q3 2024



智联守护, 推动消防物联网建设

Advancing Fire Safety IoT Deployment

消防物联网是将物联网技术与消防安全管理相结合的新型智能化系统。它通过联网的传感器、设备和数据处理平台, 实时监测、分析并响应风险, 提升消防预警和应急处置效率。

The Fire Safety Internet of Things (IoT) is a new intelligent system that integrates IoT technologies with fire safety management. By using connected sensors, devices, and data processing platforms, it monitors, analyzes, and responds to risks in real time. This enhances our early warning capabilities and improves emergency response efficiency.

2024年, 上海寰宇完成六家工厂的消防物联网第一期建设。2025年, 我们将继续扩展消防物联网在防火防爆方面的监控范围, 着力构建集预警、监控消防设施运行等功能于一体的智慧消防体系, 推动企业安全生产管理向可视化、智能化方向转型升级。

In 2024, Shanghai Universal completed Phase I of Fire Safety IoT deployment across six factories. In 2025, we will expand its monitoring scope for fire and explosion prevention. Our goal is to build an intelligent fire safety system that combines early warning, equipment monitoring, and other functions. This initiative will accelerate the transformation of workplace safety management toward greater visibility and intelligence.

关键绩效 Key Performance Highlights

2024年,
In 2024,

责任性安全事故

0起

0 at-fault safety incidents

因工死亡人数

0人

0 work-related fatalities

产品和服务相关的安全与
质量重大责任事故

0起

0 major incidents concerning product
and service safety and quality

健康安全培训覆盖员工比例

100%

100% of employees having received
health and safety training

自有员工百万工时失时(误工)工伤率

0.76

劳务工百万工时失时(误工)工伤率

0.88

Lost time injury frequency rate: **0.76** for regular
employees, **0.88** for dispatched workers

员工工伤保险覆盖率

100%

100% of employees covered by work
injury insurance

★ 荣誉与认可 ★ Honors and Awards

荣获中国安全生产协会“安全管理标准化班组风采展示优秀组织单位”称号, 六家箱厂全部获得“全国安全文化建设示范企业”荣誉称号

Recognized by the China Association of Work Safety "as an Outstanding Organization for Standardized Safety Management Teams", and all six container factories recognized as "National Model Enterprises for Safety Culture Development"

启东箱厂: 安全生产标准化建设二级评审、全国二级安全管理标准化示范班组、全国安全文化建设示范单位

DFIC Qidong: Received Level-2 certification in the standardization of workplace safety practices; recognized as National Level-2 Standardized Safety Management Team and a National Model Unit for Safety Culture Development

连云港箱厂: 安全生产标准化建设二级评审、“连云港市落实安全生产主体责任示范企业”称号

DFIC Lianyungang: Received Level-2 certification in the standardization of workplace safety practices; named "Model Enterprise for Fulfilling Workplace Safety Responsibilities in Lianyungang"

锦州箱厂: “锦州市安全生产先进单位”称号

DFIC Jinzhou: Named "Outstanding Unit for Workplace Safety in Jinzhou"

广州箱厂: “广州市企业安全生产工作先进单位”称号、中国安全生产协会“2023年全国安全文化建设示范企业”

DFIC Guangzhou: Named "Advanced Unit for Workplace Safety in Guangzhou" and recognized as "National Model Enterprise for Safety Culture Development in 2023" by the China Association of Work Safety

宁波箱厂: 浙江省安全生产协会全国安全文化建设示范企业、中国安全生产协会颁发的“全国安全文化建设示范企业”

DFIC Ningbo: Named "National Model Enterprise for Safety Culture Development" by both the Zhejiang Association of Work Safety and the China Association of Work Safety

青岛、启东、广州三家箱厂共获得11项中国安全生产协会班组安全建设工作奖

DFIC Qingdao, DFIC Qidong, and DFIC Guangzhou jointly received 11 team safety awards from the China Association of Work Safety

友好工作环境

Supportive Work Environment

希望每一位员工都能幸福工作，快乐生活

Hope that every employee can work happily and live a joyful life

我们保障每一位员工的基本权益，依法为全体员工缴纳五险一金和各类员工保险，坚持平等、合法雇佣，注重维护女性员工的合法权益和特殊利益，同时不断健全福利保障机制，努力为员工提供幸福和谐的工作环境。

We protect the fundamental rights of every employee. In full compliance with the law, we provide all employees with the five types of social insurance, the housing provident fund, and a range of other insurance benefits. We are committed to fair and lawful employment practices and place a strong emphasis on safeguarding the rights and special interests of female employees. At the same time, we continuously improve our comprehensive welfare system to create a positive, supportive, and harmonious work environment.

反对使用童工和强迫劳动是上海寰宇自身运营和全球供应链中不可协商的底线。我们严格遵守国际劳工组织相关公约，对一切强迫劳动及使用童工现象采取零容忍态度，并将其贯穿公司经营管理及业务发展各环节。我们坚信，尊重和保护每一位劳动者的基本权益，不仅是我们对社会责任的恪守，更是维护品牌声誉、增强市场竞争力的关键。

We maintain a strict zero-tolerance stance against child labor and forced labor across all our operations and throughout our global supply chain. We strictly adhere to relevant conventions of the International Labour Organization and apply these principles across every aspect of our business management and development. We firmly believe that respecting and protecting the basic rights of every worker is not only our social responsibility but is essential to preserving our brand reputation and boosting our competitiveness.

我们科学安排所有生产员工的工作时间，免费提供营养均衡的一日三餐，并打造舒适的就餐环境。我们为部分员工提供宿舍并配备各类免费洗衣、理发等生活服务。此外，我们提供各类资源并组织文艺活动、体育活动、健康关爱活动等，全面促进员工的身心健康与职业发展。

We design appropriate work schedules for production staff, provide three nutritious meals daily at no cost, and ensure a comfortable dining environment. We also offer dormitories for some employees, along with free services such as laundry and haircuts. In addition, we provide a variety of resources and organize cultural, sports, and health-related activities to support the well-being and career development of our employees.



寰宇总部书画龙年
Our headquarter writing Chinese character to celebrate the Year of the Loong



启东箱厂的职工书屋
Employee Library at DFIC Qidong



青岛箱厂的“清心世界”员工心理援助服务工作站
The "MindCare" station supporting employees' mental well-being at DFIC Qingdao



锦州箱厂跨年健步走
DFIC Jinzhou's walking activity for celebrating the New Year

关键绩效 Key Performance Highlights

2024年,
In 2024,



劳动合同签订率

100%

100% of employees having signed labor contracts



社保覆盖率

100%

100% of employees provided with social insurance

★ 荣誉与认可 ★ Honors and Awards

锦州箱厂荣获锦州市总工会女职工委员会“女职工关爱室”和“女职工关爱角”示范点称号

DFIC Jinzhou was named Model Site for the "Women's Care Room" and "Women's Care Corner" by the Committee for Women Workers under the Jinzhou Federation of Trade Unions

连云港箱厂荣获中华全国总工会“职工书屋”、连云港市总工会“模范职工之家”称号

DFIC Lianyungang received the "Employee Library" recognition from the All-China Federation of Trade Unions and was named "Model Staff Home" by the Lianyungang Federation of Trade Unions

培养技能人才

Skilled Talent Development

人才是我们发展的第一资源

Talents are our primary resource for development

上海寰宇高度重视技能人才培养与发展,通过设立劳模(职工)创新工作室、定期开展技能竞赛等活动,为员工提供专业成长平台,持续提升员工技术能力和专业素养。

Shanghai Universal places a strong emphasis on cultivating skilled talent. By establishing innovation studios led by exemplary employees and regularly organizing skills competitions, the Company provides platforms for professional growth and continuously enhances employees' technical skills and expertise.

青岛箱厂“鹰计划”员工培养体系 DFIC Qingdao's Talent Development System under the "Eagle Plan"

“雏鹰班” ♦♦ 重点培养基层员工技术能力,促进其成长为技术骨干

"Young Eagles Program": Focuses on building technical skills among grassroots employees to support their development into key technical personnel.

“苍鹰班” ♦♦ 培育基层管理人才,为班组、科室及部门储备干部

"Soaring Eagles Program": Develops grassroots management talent to build a pipeline of team, office, and department-level leaders.

“精鹰班” ♦♦ 提升中层管理人员综合素质,培养复合型管理人才

"Elite Eagles Program": Enhances the overall capabilities of mid-level managers and prepares them to take on cross-functional management roles.

“雄鹰班” ♦♦ 强化高级管理人员战略领导能力,推动公司发展战略实施

"Mighty Eagles Program": Strengthens the strategic leadership abilities of senior managers to support the Company's development strategy.

关键绩效 Key Performance Highlights

截至2024年底,
By the end of 2024,



东方启智学院为技能人才发展赋能

Dongfang Qizhi Academy Empowers Skilled Talent Development

东方启智学院是启东箱厂建立的员工技能培训与教育平台,致力于系统化培养一线技能人才。学院根据员工职岗位设计差异化培训方案,定期开展多层次培训项目,助力员工取得职业技能认定,拓展职业发展空间。2024年,学院共开展培训26场次,覆盖员工3,200人次,累计培训时长3,900小时。

Dongfang Qizhi Academy, founded by DFIC Qidong, is a dedicated platform for employee training and development. The academy delivers systematic training tailored to different job roles and regularly offers multi-level programs. These initiatives help employees gain professional certifications and expand their career paths. In 2024, the academy conducted 26 training sessions, covering 3,200 employees, with a total of 3,900 training hours.

★ 荣誉与认可 ★ Honors and Awards

青岛箱厂获得“青岛西海岸新区新时期产业工人队伍建设改革先进企业”荣誉

DFIC Qingdao was named "Advanced Enterprise in Industrial Workforce Reform and Development for the New Era in Qingdao West Coast New Area"

连云港箱厂获得“连云港市产业工人队伍建设改革示范企业”荣誉

DFIC Lianyungang was recognized as "Model Enterprise for Industrial Workforce Reform and Development in Lianyungang"



贡献社区发展 Support for Community Development

用发展成果守护我们共同的家園

Using development achievements to safeguard our shared home

上海寰宇深知企业的发展离不开社区的支持。我们积极履行企业公民责任，逐步构建覆盖对口帮扶与支援、教育支持、绿色低碳、村企共建等多维参与网络，助力建设更加包容与和谐的社会。

Shanghai Universal recognizes that its growth depends on the support of the community. We actively fulfill our role as a corporate citizen by building a multifaceted engagement network that spans targeted assistance, educational support, green and low-carbon initiatives, and village-enterprise collaboration. These efforts aim to help create a more inclusive and harmonious society.



技术破局，将房屋箱与爱一起送上“世界屋脊”

Overcoming Technological Barriers to Deliver Modular Container Houses to the "Roof of the World"

洛隆县位于西藏昌都市的西南部，平均海拔3700米，是集团对口支援地区。洛隆县腊久乡第一小学创建于1960年，海拔4046米，现有师生330余人。为改善师生们的学习与生活环境，锦州箱厂攻克并解决众多技术难题，成功研发了安全稳定、抗风耐寒、防水保温、易于维护等的房屋集装箱，集装箱食堂采用先进的双侧保温结构技术，适应极端气候条件，由30个模块化房屋箱组成，有效解决当地师生用餐问题。

Luolong County, located in the southwest of Qamdo, Xizang, sits at an average elevation of 3,700 meters. It is a target area the Group supports. The First Primary School of Lajiu Township, founded in 1960 and located at an altitude of 4,046 meters, currently has more than 330 students and staff members. To improve their living and learning conditions, DFIC Jinzhou overcame a series of technical challenges and successfully developed modular container houses that are safe, stable, wind- and cold-resistant, waterproof, insulated, and easy to maintain. The modular cafeteria features advanced double-sided insulation and is built to withstand extreme weather conditions. Comprising 30 container units, it effectively solves the local teachers' and students' dining problems.



房屋箱食堂
The modular container cafeteria

而位于G349国道洛隆段的文旅驿站则通过特箱与平台的创新组合设计，不仅提高了空间利用率，还集成了休憩、商品展示等多项功能，为“沿着国道游西藏”这一新兴旅游风尚注入新活力。

The cultural tourism station, situated in the Luolong section of the G349 highway, features an innovative design that combines special containers with platforms, optimizing space utilization. It also provides spaces for rest and product displays. This project brings new vitality to the emerging tourism trend of "exploring Xizang along the national highways".

上海寰宇2024年社区参与主要活动与项目 Shanghai Universal's Key Community Engagement Activities and Projects for 2024

对口帮扶与支援 Targeted assistance

- 锦州箱厂参加“兴农周”消费帮扶活动，采购扶贫产品69.68万元
DFIC Jinzhou participated in the "Agricultural Assistance Week" initiative, purchasing RMB 696,800 worth of products from the regions they support
- 连云港箱厂对口支援云南曲江，定点帮扶捐赠194.07万元
DFIC Lianyungang provided targeted aid to Qujiang, Yunnan Province, with a donation of RMB 1,940,700
- 青岛箱厂开展“直播助力乡村振兴，农特产品走出大山”直播助农活动，累计总成交额近60万元
DFIC Qingdao held a livestream event to support rural revitalization by promoting specialty agricultural products from remote areas. The event generated nearly RMB 600,000 in total sales

- 锦州箱厂为乡村贫困学生开展“初春之茵——真情暖童心相伴护成长”捐赠活动
DFIC Jinzhou organized a donation activity for rural students in poverty to support their growth
- 公司开展99公益日慈善义卖活动，为“宝贝之家”救助机构筹集资金1.4万余元
Shanghai Universal hosted a charity bazaar during the 99 Giving Day, raising over RMB 14,000 for Shanghai Baby Home
- 广州箱厂为广州天河小天使康复训练中心捐赠物品和资金
DFIC Guangzhou donated goods and funds to the Tianhe Xiaotianshi Rehabilitation Center in Guangzhou

青少年教育支持 Youth education support

关键绩效 Key Performance Highlights

2024年, In 2024,

公益慈善总投入

309.41 万元

Total investment in public welfare RMB **3.0941 million**

员工志愿服务总时间

3,479.9 小时

Total hours contributed by employees to volunteer services **3,479.9 hours**

倡导绿色低碳 Green and low-carbon practices

- 启东箱厂开展“净村环保志愿行动”活动
DFIC Qidong launched the "Clean Village Volunteer Initiative"
- 青岛箱厂开展云植树活动
DFIC Qingdao held a cloud-based tree-planting campaign

“我们的家园” 村企共建 Village-enterprise cooperation

- 宁波箱厂与岐下洋村开展村企结对活动，助力推介特色农产品的线上销售
DFIC Ningbo partnered with Qixiyang Village to promote the online sale of specialty agricultural products
- 启东箱厂与白港村开展村企联建活动
DFIC Qidong carried out collaborative development projects with Baigang Village
- 广州箱厂与红洋村开展村企共建，涉及开展村庄建设、帮助村民就业创业、参与民心民生工程等多方面内容
DFIC Guangzhou worked with Hongyang Village on infrastructure, job creation, entrepreneurship, and community well-being initiatives

展望未来

Looking Ahead

我们将继续坚持以人为本、以客户为中心、以市场为导向，不断提升产品竞争力与交箱响应速度，为客户提供更高质量、更快效率、更加便捷、更多满意的服务。

We will continue to uphold a people-oriented, customer-focused, and market-driven approach. By enhancing product competitiveness and improving delivery speed, we aim to offer more efficient, convenient, and satisfying services of higher quality.

我们将以科技创新、智能制造为核心抓手，通过强化研发团队建设、加强产学研合作，实现数字智能赛道的再超越。

By advancing technological innovation and intelligent manufacturing, we will build stronger R&D teams and deepen collaborations between industry, academia, and research institutions to achieve new breakthroughs in the field of digital intelligence.

我们将以2050碳中和目标为关键目标，持续深化绿色低碳理念与集装箱产品的全流程融合，致力于成为卓越的绿色集装箱解决方案提供商。

One of our key goals is to achieve carbon neutrality by 2050. We will further embed green and low-carbon principles throughout the entire container lifecycle, aiming to become a leading provider of green container solutions.

我们将以人才梯队建设为固本基石，通过优化人才强企战略，加大人才培养力度，为企业可持续发展提供充足新动力。

We view talent development as a cornerstone of our growth. By optimizing our talent strategy and increasing investment in training, we will build a robust talent pipeline to drive sustainable development.

未来已来，就让我们并肩再出发——共同谱写动人的奋斗新篇，携手交出再一次的精彩答卷。

The future is here. Let us move forward together to write a new chapter of shared progress and achieve excellence once again.



DREAMS BEYOND
HORIZONS
CONNECTED BY
CONTAINERS

寰宇梦想, 未止眼前

A Universal Dream with No Bounds and Limits

穿山越海, 会话时间

A Shared Journey Through Time and Spaces

扫描二维码,
与我们一起迈向高质量、负责任、可持续的绿色数智新未来

Scan the QR code to follow us on Wechat.
Join us in building a high-quality, responsible, and sustainable future
powered by green digital intelligence.



上海寰宇微信公众号
WeChat official account of
Shanghai Universal



集装箱CFP&EPD平台官网
Official website of the
container CFP & EPD Platform



产品介绍
Product introduction