

# 科顺防水科技股份有限公司

## 2022 年 ESG 报告

Keshun Waterproof Technology Co., Ltd.

ESG Report 2022

(翻译稿)

责扬天下（北京）管理顾问有限公司

2023 年 3 月

GoldenBee (Beijing) Management Consulting Co., Ltd.

March 2023

# 目录 Contents

目录 Contents .....	2
报告开篇 Openings .....	5
1. 关于本报告 About This Report .....	5
2. 卷首语 Preface .....	6
2.1. 董事长致辞 Chairman's Message .....	6
2.2. 总裁致辞 President's Message .....	9
3. 走进科顺 About Us .....	11
3.1. 关于科顺 Company Profile .....	11
3.2. 企业文化 Corporate Culture .....	13
3.3. 组织架构 Organizational Structure .....	14
1.1. 经营概况 Business Performance .....	14
4. 年度纪要 Highlights of the Year .....	16
5. 所获荣誉 Honors .....	19
6. 公司治理 Corporate Governance .....	21
7. ESG 治理 ESG Governance .....	25
7.1. ESG 工作架构 ESG Work Structure .....	26
7.2. ESG 管理实践 ESG Management Practice .....	27
7.3. 利益相关方沟通 Stakeholder Communication .....	30
7.4. ESG 议题重要性分析 Materiality Analysis of ESG Topics .....	32
报告主体 Main Body .....	35
1. 守护品质——质量引领发展 Maintaining Quality – Quality-driven Development .....	35
1.1. 完善质量管控 Quality Control and Management .....	35
1.2. 筑牢安全基石 Safety Foundation .....	43
1.3. 提升服务品质 Service Quality .....	48
1.4. 守护美好建筑 Excellent Buildings .....	55
【匠心·科顺】匠心筑就精品,老工匠与新发展 CKS Craftsmanship: Excellent products developed by senior craftsmen in a new era of development .....	61
2. 守护家园——助力“双碳”目标 Safeguarding the Earth – Contributions to China's 30 · 60 Decarbonization Goal .....	63

2.1. 开展环境管理 Environmental Management .....	63
2.2. 推进节能减排 Energy Conservation and Emission Reduction .....	68
2.3. 拓宽环保业态 Environmental Protection Business .....	75
2.4. 弘扬绿色理念 Green Concepts .....	82
【秉心·科顺】助力光伏发电，响应“双碳”战略 CKS Commitment: Support for photovoltaic power generation in response to China's 30 · 60 Decarbonization Goal .....	86
<b>3. 守护英才——致力人企共进 Supporting Talent-Shared Development of Employees and Enterprise .....</b>	<b>88</b>
3.1. 保障员工权益 Employee Rights .....	88
3.2. 注重员工成长 Employee Growth .....	94
3.3. 关怀员工生活 Employee Care .....	98
【衷心·科顺】劳模和工匠人才创新工作室授牌，完善人才培育[CKS Devotion ] Plaque awarding ceremony for talent cultivation .....	102
<b>4. 守护未来——赋能行业领先 Planning for Future – An Engine for the Industry .....</b>	<b>104</b>
4.1. 深化科研创新 Research and Innovation .....	104
4.2. 推进数字化转型 Digitalization .....	111
4.3. 可持续供应链 Sustainable Supply Chain .....	117
4.4. 实现合作共赢 Win-win Cooperation .....	121
【潜心·科顺】以深厚技术积淀，助力建筑减隔震行业发展 [CKS Concentration ] Profound technology know-how supports the industry of seismic isolation and shock absorbing .....	124
<b>5. 守护社区——共建温暖家园 Engaging in the Community- Joint Efforts for a Better Homeland .....</b>	<b>126</b>
5.1. 助推乡村振兴 Support for Rural Vitalization .....	126
5.2. 热心公益慈善 Engagement in Charity .....	129
【暖心·科顺】关注特殊教育，共享美好未来 [CKS Warmth ] Special education for a better future .....	132
<b>报告结尾 Closing .....</b>	<b>134</b>
<b>1. 展望 2023 Outlook 2023 .....</b>	<b>134</b>
<b>2. 指标索引 ESG Reporting Guide Index .....</b>	<b>136</b>

<b>3. 专家点评 Expert Opinions .....</b>	<b>143</b>
<b>1. 意见反馈表 Feedback Form .....</b>	<b>145</b>

## 报告开篇 Openings

### 1. 关于本报告 About This Report

#### 时间范围 Reporting Period

2022年1月1日至2022年12月31日，部分内容往前后年度适度延伸。

This report covers the period from January 1, 2022 to December 31, 2022 and also includes additional content and information that predates the stated reporting period or refers to the coming years.

#### 报告范围 Reporting Scope

本报告的内容主要涵盖科顺防水科技股份有限公司及其下属公司。

The report covers Keshun Waterproof Technology Co., Ltd. and its subsidiaries.

#### 称谓说明 References

为了便于表述和阅读，在本报告中“科顺防水科技股份有限公司”也以“科顺股份”“科顺”“公司”或“我们”表示。

For better presentation and readability, “Keshun Waterproof Technology Co., Ltd.” is also referred to as “CKS”, “the Company” or “We” in the report.

#### 报告说明 Report Overview

本报告是科顺防水科技股份有限公司发布的2022年度ESG报告，系统披露了科顺2022年在环境、社会和公司治理上面向股东、客户、合作伙伴、环境、员工和社会等利益相关方所履行的社会责任的理念、实践、绩效以及未来展望。

This is the 2022 ESG report of Keshun Waterproof Technology Co., Ltd. The Report discloses our fulfillment of environmental, social and governance responsibility to shareholders, customers, partners, environment, employees, society and other stakeholders, revealing our CSR philosophy, practices, performance and prospect in 2022.

#### 参照标准 Preparation Basis

本报告编制过程严格按照《公司法》《证券法》《深圳证券交易所上市公司自律监管指引第2号——创业板上市公司规范运作》等相关法律法规的要求，同时参照国家标准委《社会责任报告编制指南》（GB/T 36001-2015）、深交所《国证ESG评价方法》、香港联交所

《环境、社会及管治报告ESG指引》和全球报告倡议组织《GRI可持续发展报告标准》（GRI Standards）等相关指引。

The report is prepared in strict accordance with the requirements of relevant laws and regulations such as the *Company Law*, *Securities Law*, the *Guidelines No. 2 for Self-Regulation of Listed Companies of Shenzhen Stock Exchange - Standardized Operation of Companies Listed on the Main Board*, as well as *Guidance on Social Responsibility Reporting (GB/T 36001-2015)*, *Evaluation Method of CNI ESG issued by Shenzhen Stock Exchange*, *Environmental, Social and Governance Reporting Guide (ESG Reporting Guide)* issued by The Stock Exchange of Hong Kong Ltd., *GRI Sustainability Reporting Standards (GRI Standards)* issued by the Global Sustainability Standard Board (GSSB).

#### **报告承诺 Reliability Assurance**

公司保证本报告内容不存在虚假记载、误导性陈述或重大遗漏，报告中所引用数据均来自公司正式文件和统计报告，通过公司管理层审核、利益相关方意见征集确保报告质量。

The Company assures that the report is free of false records, misleading statements or major omissions. The data quoted in the report are from the Company's official documents and statistical reports. The report is reviewed by the Company's management after the solicitation of opinions from stakeholders.

#### **报告获取 Availability**

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You can download the electronic version of this report on our website. If you have any questions about the content of the report or need a paper version, please call us at 0757-28603333.

## **2. 卷首语 Preface**

### **2.1. 董事长致辞 Chairman's Message**

“与长期同行者共创共享”，科顺股份的核心价值观一直催动企业以切实行动与相关利

益方协同共生。在过去的 2022 年，诸多变化进一步印证“百年未有之大变局”，面对多重不确定性因素影响，科顺股份积极调整与优化自身战略，在努力实现既定目标的同时，加速以建筑防水为核心，适度向其他功能性建材延展的业务结构布局和优化，并与相关利益方深入协同，共筑美好未来。

Upholding the value of "Work for shared benefits with our partners", CKS takes concrete actions to grow together with stakeholders. Tremendous uncertainties in 2022 were a testament to major changes unseen in a century. In response, CKS adjusted and optimized our strategy, pursued the set goals while building a business structure that centers around building waterproofing with efforts in other functional building materials, and worked in depth with stakeholders of diverse backgrounds to build a better future..

保持发展的稳健与坚韧，是企业践行社会责任的前提和根本。在 20 余年的高效发展中，科顺股份在防水领域形成了一定的竞争壁垒，在规模、盈利、技术、渠道、生产等方面具有较为明显的优势。这是我们能够穿越大环境周期的重要支撑，也促使我们思考，如何进一步提升优势？或者，如何将这些优势更好地发挥？基于客户期望、市场反馈以及产业链支持，我们聚焦建筑防水，并在减隔震、光伏能源、雨水管理、抹灰石膏等领域主动开拓，取得了较好的成绩。

Steady and resilient development sets the foundation for the performance of corporate social responsibility. Through efficient development over the last two decades, we have shaped the distinctive competitiveness of CKS in waterproofing, mainly in scale, profit, technology, channels, and production. That is why we can overcome major challenges in a business cycle. It also prompts us to consider how to improve our strengths and how to give better play to them. Based on customer expectations, market feedback, and industrial support, we have focused on building waterproofing, finding our niches in seismic isolation and shock absorbing, photovoltaic energy, rainwater management, and gypsum plaster with remarkable results.

这样的战略布局，一方面在延展企业优势、提升经营稳健性上提供能量，另一方面，也是企业推进绿色发展，助力国家“双碳”战略目标实现的重要行动。科顺股份的相关多元化战略，既基于企业本身的优势资源整合，也瞄准绿色与可持续发展产业，以多元业务结构，构建绿色、可靠与高效能的建筑建材体系。

Such strategic arrangements adds strengths to a company and improves operational resilience.

It is also crucial for companies as they promote green development and serve China's 30 · 60 Decarbonization Goal. By bringing together the Company's excellent resources, the diversification strategy of CKS aims at the green and sustainable development industry and intends to build a diversified and green building materials system featuring reliability and efficiency.

在实现自身发展、为客户创造价值的同时，科顺也始终坚持向社会传递温暖。我们在公益实践中践行“因时制宜、因地制宜、因人制宜”的原则，积极投身公益慈善，采取有针对性的公益行动，把善意真正地落到实处，长存守护之心，共享美好之愿。

While achieving development and creating value for customers, CKS gives back to society. When engaging in non-profit activities, we uphold the principle of "tailoring our measures to the times, local conditions, and people" and take targeted actions to guarantee that our goodwill and best wishes are delivered.

我们始终坚持“与长期同行者共创共享”的核心价值观，员工是企业长期同行者中最核心的人群，科顺人是集团最重要的资源。科顺将始终坚持“以人为本”，充分发挥组织与人才效益，以期实现企业的可持续、高质量发展。

We adhere to the core value of "Work for shared benefits with our partners", of whom employees are at the core and the most important asset. Putting people first, CKS will give full play to the potential of our organization and talent to achieve sustainable and high-quality development.

“与人类美好建筑共百年”的宏伟愿景，使我们深感路途之艰、责任之重、使命之强。未来的发展中，科顺将始终秉承“延展建筑生命 守护美好生活”的伟大使命，以己之力，尽己所能，勇于担当，回馈社会！

The grand vision of "developing time-honored buildings for mankind" also means daunting task and strong responsibilities ahead of us. In the future, CKS will uphold the mission of "safeguarding wonderful life with lasting buildings", perform to our best, shoulder responsibility, and do more good to society.

集团董事长 陈伟忠  
CHEN Weizhong  
Chairman of CKS



## 2.2. 总裁致辞 President's Message

2022 年，面对复杂多变的外部环境，科顺适时调整战略，深耕建筑防水的同时，积极拓展业务布局，通过技术创新、服务升级、理念引领，实现公司稳健发展。在持续创造经济效益的同时，我们亦坚持可持续发展，将 ESG 理念全面融入企业战略与日常经营，积极履行企业社会责任。

In 2022, we adjusted our strategy given complex external changes. With intensive efforts in building waterproofing, we also expanded our business, achieving steady development through innovation, better services, and the guidance of concepts. We struck a balance between corporate profits and sustainable development by fully integrating ESG concepts into corporate strategies and daily operations and fulfilling corporate social responsibility.

我们以匠心缔造精品，以真心服务客户。2022 年，我们建立以“一次做对，一次就好”为导向的“双流”质量管理模式，实现涵盖研发、供应、制造、施工、服务全流程的全面质量管理，旗下高明基地顺利通过测量管理体系认证，实现集团首次突破。在提供品质产品的同时，我们始终以客户至上，以极致服务为客户创造更大的价值。

We create high-quality products wholeheartedly and serve customers sincerely. In 2022, we established a "information flow and value flow" quality management model that focuses on "doing it right the first time and doing it only once" and covers the whole process of R&D, supply, manufacturing, construction, and service. Our Gaoming base has passed the measurement management system certification, the first in CKS. In addition to quality products, we put customers at the center and offer ultimate service to create greater value.

我们积极响应“双碳”战略，践行绿色低碳发展。2022 年，我们加大环保投入，更新技术工艺，下设鞍山、重庆、德州、荆门、渭南基地均已通过绿色工厂认证；持续创新开发绿色环保产品，布局绿色、前沿建筑建材业务，在光伏建筑一体化方案上推出系统产品，升级推出科顺绿洲雨水管理系统，“绿洲防护虹吸排水系统”科技成果被鉴定为国际先进，助力绿色城市建设，守护我们共同的美好家园。

We answer the call of China's 30 · 60 Decarbonization Goal and pursue green and low-carbon development. In 2022, we stepped up investment in environmental protection and updated technology and processes. Our bases in Anshan, Chongqing, Dezhou, Jingmen, and Weinan

obtained green plant certification. We continued to develop green and eco-friendly products, enter the market of green and cutting-edge building materials, and launch systematic products on building-integrated photovoltaics solutions. The CKS Oasis Rainwater Management System has been upgraded and the Oasis Protective Siphon Drainage System has been rated as world-class, lending support to the building of green cities and the protection of our beautiful homes.

我们坚持以人为本，与员工共同成长。我们始终将“人才驱动”作为公司发展的核心竞争力。我们重视员工的自我发展，不断完善培训计划；建立全面的福利制度，切实保障员工权益；营造良好的工作氛围，开展丰富多彩的特色活动，提升员工幸福感，赋能员工发展。

We put people first and grow together with employees. Seeking talent-driven development to shape our core competitiveness, we attach great importance to the growth of employees by constantly improving our training programs. A comprehensive employee benefits system is established to protect the rights and interests of employees. We also foster a friendly workplace and carry out diverse activities to give employees a sense of happiness and empowerment.

我们以科技创新为支撑，致力于引领行业发展。2022 年，我们积极引进科研人才，开展产学研合作；加快数字化转型，通过数字化赋能企业管理、营销、智能制造等多个环节，打造“5G+MEC”数字化工厂，发挥行业领先作用，迈向智造未来；构建可持续供应链，探索合作发展新模式，赋能供应商发展，实现互利共赢。

Supported by innovation, we are committed to leading the development of the industry. In 2022, we recruited research professionals and engaged in industry-university-research cooperation. We also accelerated digitalization to empower corporate management, marketing, and smart manufacturing and built a "5G+MEC" digital factory to lead the whole industry toward an intelligent manufacturing future. In addition, we contributed to sustainable supply chains by exploring new models of cooperation and development and empowering suppliers to achieve win-win results.

我们积极参与公益事业，向社会传递温暖。2022 年，我们持续开展“守护晴天”项目，支持乡村教育，开展扶贫公益活动，助力乡村振兴；热心公益事业，以多种方式参与公益慈善活动，为共建温暖社区贡献自己的力量，并荣获第十二届公益节“2022ESG 践行典范奖”。

We engage in non-profit activities and do good for society. In 2022, we continued the "protecting the sunny days" program to support rural education and lift people out of poverty for

rural vitalization. We were engaged in philanthropic activities in multiple ways to build communities of warmth, thus winning the "2022 ESG Practice Model Award" of the 2022 Philanthropy Festival.

未来还很远，但春天已近。展望 2023 年，我们将继续践行“延展建筑生命 守护美好生活”的企业使命，围绕这一企业使命开展经营活动，心怀责任，勇于担当，在可持续发展的道路上奋勇前行。

Despite a remote future, we see hope around the corner. Looking forward to 2023, we will carry out business activities that reflect our mission of "safeguarding wonderful life with lasting buildings" and shoulder our responsibilities in pursuit of sustainable development.

集团总裁 方勇

FANG Yong

President of CKS

### 3. 走进科顺 About Us

#### 3.1. 关于科顺 Company Profile

科顺股份成立于1996年，位列全球建筑材料上市公司百强，是一家以提供建筑防水综合解决方案为主业，产品和服务涉及工程建材、民用建材、建筑修缮、减隔震、抹灰石膏、光伏能源等多个业务板块的建材系统服务商。

Founded in 1996, Keshun Waterproof Technology Co., Ltd. ranks among the top 100 listed companies of building materials worldwide. We are a comprehensive waterproof solutions provider and our products and services cover multiple business segments such as construction engineering materials, civil engineering materials, building renovation, seismic isolation, plaster, photovoltaic energy, and so on.

目前，集团旗下共有30家子公司，17家孙公司，16家分公司，于全国布局十余座生产及研发基地，全面覆盖各大核心经济带，通过先进的信息化系统、物联网和工业大数据技术的应用，构建了分布式的工艺与设备远程运营管理体系，结合近百条国际、国内领先的生产线及众多自动化设备，能够及时、高效地为顾客提供满意的产品和服务。

The Company currently owns 30 subsidiaries, 17 sub-subsidiaries, 16 branches, and more

than ten production and R&D bases across China, covering major core economic belts. Through the application of advanced information systems, IoT, and industrial big data technology, we have built a distributed remote system for the operation and management of processes and equipment and brought together nearly 100 leading production lines at home and abroad and automation devices to provide customers with satisfactory products and services in a timely and efficient manner.

作为防水行业的先行者，科顺秉承“一次就好”的质量管理理念，率先提出“30年以上持续保障”的防水系统服务承诺，公司提供的一站式防水综合解决方案涵盖住宅地产、商业建筑、轨道交通、工业园区、桥隧管廊、光伏屋面等多个领域，被广泛应用于国家会议中心、北京大兴机场、港珠澳大桥、文昌发射基地、大亚湾核电站等经典工程。与中建三局、中铁建设、北京建工、上海宝冶等知名建筑企业，华为集团、中通集团、万华化学、牧原股份等知名集团企业，碧桂园、万科、招商蛇口等多家优质房企保持长期战略合作关系。

As a pioneer in the waterproof industry, CKS upholds the philosophy of “one fix for all” and commits to “quality guarantee for over 30 years”. Our one-stop comprehensive waterproof solutions, applying to various fields, including residential buildings, commercial buildings, rail transit, industrial parks, bridges and tunnel pipe corridors, and PV roofing, have been widely used in renowned engineering projects such as the National Convention Center, Beijing Daxing International Airport, Hong Kong-Zhuhai-Macao Bridge, Wenchang Spacecraft Launch Site and Daya Bay Nuclear Power Plant. The Company has established long-term strategic cooperation with well-known construction enterprises such as China Construction Third Engineering Bureau Group Co., Ltd., China Railway Construction Group Co., Ltd., Beijing Construction Engineering Group, Shanghai Baoye Group Co., Ltd, famous groups like Huawei, Zontom Group, Wanhua Chemical and Muyuan Foods, as well as many high-quality real estate enterprises such as Country Garden, Vanke and China Merchants Shekou Industrial Zone Holdings Co Ltd.

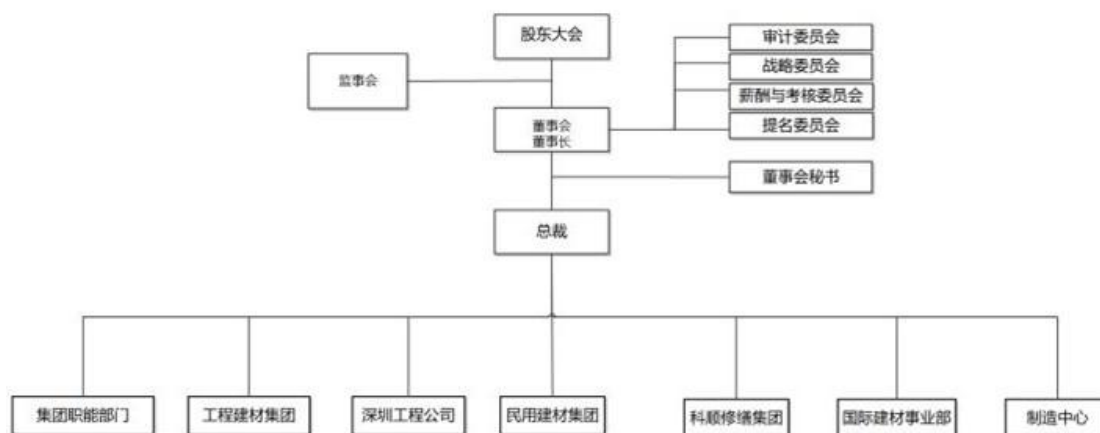
我们始终秉承“延展建筑生命 守护美好生活”的企业使命，以“与长期同行者共创共享”为核心价值观，深耕建筑建材领域，通过技术创新、服务升级、理念引领，持续推动行业进步，为维护建筑的安全性、耐久性、节能性、美观性贡献最大价值，致力于成为值得长期信赖的建材系统服务商。

Adhering to the mission of “safeguarding wonderful life with lasting buildings”, and the value of “Work for shared benefits with our partners”, we deeply engage in building materials and push for industry-wide progress through technological innovation, service upgrading and concept guidance to maintain the safety, durability, energy efficiency and aesthetics of buildings. We are committed to becoming a trustworthy comprehensive building material provider.

### 3.2. 企业文化 Corporate Culture

企业使命 Our Mission	延展建筑生命 守护美好生活 Safeguard wonderful life with lasting buildings
企业愿景 Our Vision	与人类美好建筑共百年 Develop time-honored buildings for mankind
科顺子文化 CKS culture	客户至上的服务文化 拥抱变革的创新文化 一次做对的质量文化 长期信赖的品牌文化 共创共享的人本文化 Customer-first services Change-embracing innovation Right fix the first time Long-term trust Joint contribution and shared benefits
价值观 Values	与长期同行者共创共享 Work for shared benefits with our partners
经营理念 Management Philosophy	技术科顺 创新科顺 服务科顺 Technology innovation Service

### 3.3. 组织架构 Organizational Structure



股东大会 General Meeting of Shareholders

监事会 Board of Supervisors

董事会董事长 Chairman of the Board

审计委员会 Audit Committee

战略委员会 Strategy Committee

薪酬与考核委员会 Remuneration and Appraisal Committee

提名委员会 Nomination Committee

董事会秘书 Secretary of the Board

总裁 President

集团职能部门 Functional Department

工程建材集团 Construction Engineering Materials Co., Ltd.

深圳工程公司 Shenzhen Construction Engineering Co., Ltd.

民用建材集团 Civil Engineering Co., Ltd.

科顺修缮集团 Keshun Building Renovation Co., Ltd.

国际建材事业部 International Building Materials Business Division

制造中心 Manufacturing Center

### 3.4. 经营概况 Business Performance

2022 年，在“技术科顺、创新科顺、服务科顺”的经营理念下，面对复杂多变的经济环境，科顺适时调整战略，深耕建筑防水的同时大力拓展多元业务，深化经营管理，持续推进

技术创新，坚持质量为本，客户至上，实现公司稳健发展。

In 2022, under the management philosophy of "technology, integrity, and service", we adapted our strategy to the rapidly evolving economic dynamics, developed building waterproofing intensively, and vigorously diversified our business. We also deepened operation and management, drove technological innovation, and put customers and quality first to realize steady development.

经营绩效 <b>Business performance</b>	
营业收入（亿元） Revenue (RMB billion)	<b>【76.61】</b> <b>【7.661】</b>
营业成本（亿元） Operating cost(RMB billion)	<b>【60.36】</b> <b>【6.036】</b>
归属上市公司股东净利润（亿元） Net profit attributable to shareholders of listed companies (RMB million)	<b>【1.78】</b> <b>【0.178】</b>
归属上市公司股东净资产（亿元） Net assets attributable to shareholders of listed companies (RMB billion)	<b>【56.17】</b> <b>【5.617】</b>
基本每股收益（元/股） <b>Basic earnings per share (RMB / share)</b>	<b>【0.15】</b> <b>【0.15】</b>
稀释每股收益（元/股） <b>Diluted earnings per share (RMB / share)</b>	<b>【0.15】</b> <b>【0.15】</b>
支付职工薪酬总额（亿元） Total payroll to employees (RMB billion)	<b>【6.85】</b> <b>【0.685】</b>
纳税总额（亿元） Total tax payment(RMB billion)	<b>【3.64】</b> <b>【0.364】</b>
研发经费投入（亿元） R&D investment(RMB billion)	<b>【3.43】</b> <b>【0.343】</b>

#### 4. 年度纪要 Highlights of the Year

时间 Month	事件 Events
1月 Jan.	<ul style="list-style-type: none"> <li>➤ 与上海能源科技发展有限公司签署战略合作协议</li> <li>➤ 与信息产业电子第十一设计研究院科技工程股份有限公司签署战略合作协议</li> <li>➤ A strategic cooperation agreement was signed with Shanghai Energy Technology Development Co., Ltd.</li> <li>➤ A strategic cooperation agreement was signed with the IT Electronics Eleventh Design &amp; Research Institute Scientific and Technological Engineering Corporation Limited.</li> </ul>
2月 Feb.	<ul style="list-style-type: none"> <li>➤ 工建集团召开 2022 百亿私享会</li> <li>➤ 与上海钢之杰新能源有限公司达成战略合作</li> <li>➤ 与京开能源有限公司达成战略合作</li> <li>➤ Construction Engineering Materials Co., Ltd. held the 2022 private sharing session of ten billion.</li> <li>➤ Strategic cooperation was reached with Shanghai Beststeel.</li> <li>➤ Strategic cooperation was reached with Jingkai Energy Co., Ltd.</li> </ul>
3月 March	<ul style="list-style-type: none"> <li>➤ 品牌培育提升工作启动会顺利召开</li> <li>➤ 将“三八妇女节”定义为科顺女神节，并举行企业文化活动</li> <li>➤ The kick-off meeting of brand development and promotion was held.</li> <li>➤ International Women's Day celebrations were held for CKS female employees.</li> </ul>
4月 April	<ul style="list-style-type: none"> <li>➤ 数字化运营中心启动人才盘点工作</li> <li>➤ 科顺职业技能培训学校获颁办学许可</li> <li>➤ The digital operation center started the assessments of human resources.</li> <li>➤ CKS Vocational Skills Training School was licensed.</li> </ul>
5月 May	<ul style="list-style-type: none"> <li>➤ 顺利举行“广东省示范性职工培训基地”授牌仪式暨“校外实训基地”签约仪式</li> </ul>



	<ul style="list-style-type: none"> <li>➤ The inauguration ceremony of the Guangdong Province Exemplary Staff Training Base was held and the agreement for the Practical Training Base was signed.</li> </ul>
6月 June	<ul style="list-style-type: none"> <li>➤ 举行子文化发布会、全面质量管理推行宣导暨核心价值观行为细则宣讲会</li> <li>➤ 科顺修缮与顺德建筑设计院进行战略签约</li> <li>➤ 与广州建筑产业研究院进行战略签约</li> <li>➤ 成功续签联东集团</li> <li>➤ The press conference on corporate culture and the promotion event of comprehensive quality management and core values were held.</li> <li>➤ Keshun Building Renovation Co., Ltd. signed a strategic agreement with Shunde Architectural Design Institute Co., Ltd.</li> <li>➤ A strategic agreement was signed with Guangzhou Construction Industry Research Institute.</li> <li>➤ The contract with Liando Group was renewed.</li> </ul>
7月 July	<ul style="list-style-type: none"> <li>➤ 参建的东方锅炉光伏发电项目投产发电</li> <li>➤ 与巴斯夫正式升级战略协同关系</li> <li>➤ APF-5000获国家发明专利认可</li> <li>➤ The Dongfang Boiler photovoltaic power generation project which we participated in its construction was put into operation.</li> <li>➤ We upgraded strategic partnerships with BASF.</li> <li>➤ APF-5000 was granted a national invention patent.</li> </ul>
8月 August	<ul style="list-style-type: none"> <li>➤ 常青藤2022届科班生训练营正式启动</li> <li>➤ 与中建三局基础设施建设投资有限公司签署战略集采合作协议</li> <li>➤ 获海关AEO高级认证</li> <li>➤ The Ivy 2022 Training Camp was officially launched.</li> <li>➤ A strategic centralized procurement cooperation agreement was signed with CSCEC Third Bureau Infrastructure Construction Investment Co.,</li> </ul>

	<p>Ltd.</p> <ul style="list-style-type: none"> <li>➤ Customs AEO advanced certification was obtained.</li> </ul>
<p>9月 Sept.</p>	<ul style="list-style-type: none"> <li>➤ 与华南理工大学和广东吉美帮新材料有限公司共同承担的“高性能隔热防水涂料关键技术开发应用”项目通过成果鉴定，达到国际先进水平</li> <li>➤ 与江西赣能签署战略合作协议</li> <li>➤ The project, "Development and Application of Key Technologies on High-performance Thermal-insulation and Waterproof Coatings", jointly undertaken with the South China University of Technology and Guangdong Jimeibang New Materials Co., Ltd. was evaluated as world-class.</li> <li>➤ A strategic cooperation agreement was signed with Jiangxi Ganneng Co., Ltd.</li> </ul>
<p>10月 Oct.</p>	<ul style="list-style-type: none"> <li>➤ 获批“一次防水系统”项目管理标准化试点，获得全国项目管理标准化技术委员会的高度认可</li> <li>➤ 与保利资本签署框架合作协议，与保利发展签署《保利发展控股集团防水工程总部集中采购合作协议》</li> <li>➤ 举办 2022 年度“质量月”主题活动</li> <li>➤ 举办第二届数字化创新大会</li> <li>➤ We were approved for piloting standardized project management of a "do-it-only-once" waterproof system, which was highly recognized by the China Association for Standardization.</li> <li>➤ A framework cooperation agreement was signed with Poly Capital and the <i>Centralized Procurement Agreement for Waterproof Engineering at the Headquarters of Poly Developments and Holdings Group</i> was signed with Poly Developments and Holdings Group Co., Ltd.</li> <li>➤ The 2022 Quality Month event was held.</li> <li>➤ The 2nd Digital Innovation Conference was held.</li> </ul>

<p>11月 Nov.</p>	<ul style="list-style-type: none"> <li>➤ 举办“2022 年丰泽股份建筑减隔震事业专题推介会”</li> <li>➤ 举行“2022年科顺好工长防水贴砖美缝技能大赛第三站南宁站活动”</li> <li>➤ 获国家信息化和工业化融合管理体系AAA评定</li> <li>➤ 丰泽股份旗下多款产品顺利获得 CTCC 交通产品认证</li> <li>➤ The 2022 Fengze Holdings Promotion Event for Building Seismic Isolation and Shock Absorbing was held.</li> <li>➤ The 2022 CKS Good Waterproof Tiling Competition at Nanning was held.</li> <li>➤ We obtained an AAA evaluation in the integration of informatization and industrialization management systems.</li> <li>➤ Several products of Fengze Holdings have obtained CTCC transportation product certificatio</li> </ul>
<p>12月 Dec.</p>	<ul style="list-style-type: none"> <li>➤ 科顺学院及集团技术中心联合申报的“顺德区叶吉广东技工技师工作室”通过审批并申报成功</li> <li>➤ 与大地期货有限公司及其成员公司舟山济海能源有限公司签署战略合作协议</li> <li>➤ 与广路集团签署战略合作协议</li> <li>➤ The Shunde Yeji Guangdong Technician Studio declared by CKS Academy and the Company's Technology Center was approved.</li> <li>➤ A strategic cooperation agreement was signed with Dadi Futures and its member Zhoushan Jihai Energy Co., Ltd.</li> <li>➤ Signed a strategic cooperation agreement with Guangxi Guanglu Industrial Development Group Co., Ltd.</li> </ul>

## 5. 所获荣誉 Honors

- 申报的文昌卫星发射基地修缮工程、百色干部学院防水工程，荣获 2022 年度“建筑防水行业科学技术奖——工程技术奖（金禹奖-防水工程）”金奖
- The declared Wenchang Satellite Launch Center repair project and the waterproof project of

Baise Cadre College won the gold medal of the 2022 Building Waterproof Science and Technology Award - Engineering (Jinyu Award - Waterproof Engineering).

- 科顺股份零渗漏施工小组获顺德政府质量奖一线班组奖
- CKS zero leakage construction team won the Shunde Government Quality Award for Frontline Teams.
- 中国建筑防水协会主办的 2022 第三届防水行业大会,科顺获颁 2022 年建筑防水行业企业信用等级评价 AAA 等级认证
- At the 3rd Waterproof Industry Conference (2022) hosted by China National Building Waterproof Association, CKS was awarded the AAA certification for the credit rating of waterproof enterprises in 2022.
- 2022 涂料行业高峰论坛&防水行业高峰论坛,科顺家庭防水获颁“2022 年家装防水影响力品牌”“2022 年瓷砖胶影响力品牌”“2022 年美缝剂影响力品牌”三项大奖
- At the 2022 Coating Industry Summit & Waterproof Industry Summit, CKS Family Waterproof was granted three awards: 2022 Influential Brand of Home Decoration Waterproof, 2022 Influential Brand of Tile Adhesive, and 2022 Influential Brand of Tile Seam Beauty Agent.
- 房屋建筑防水修缮技术论坛暨第六届家装防水技术与市场研讨会,科顺荣登“中国家装防水与渗漏修缮创新企业十强”及“中国家装防水与渗漏修缮十大新技术”榜单
- At the Housing Building Waterproof and Repair Technology Forum (the 6th Home Decoration Waterproof Technology and Market Seminar), CKS was listed among the top 10 innovative enterprises in waterproof and leakage repair and the top 10 new technologies for waterproof and leakage repair in China.
- 2022 年德州市科技创新大会,德州科顺获得科技进步奖三等奖
- At the 2022 Dezhou Science and Technology Innovation Conference, Dezhou Keshun won the third prize of the Science and Technology Progress Award.
- 第四届优采供应链管理大会暨优采平台成立十周年年会,科顺“绿洲雨水管理系统”荣获“年度创研黑科技奖”
- At the 4th Youcai Supply Chain Management Conference (also the 10th Anniversary of the Youcai Platform), the CKS Oasis Rainwater Management System won the Annual

Innovation and Research Award.

- 荆门科顺生产基地入榜湖北省绿色工厂
- Jingmen CKS production base was listed as a green factory in Hubei Province.
- 第八屆全球深商大會暨采筑聯合者大會，科順獲評萬科采筑平台“三星供應商”
- At the 8th Global Shenzhen Entrepreneurs Convention (also the AUPUP Partners Conference), CKS was rated as a three-star supplier by the Vanke AUPUP Platform.
- 第十二屆公益節，科順榮獲“2022ESG 踐行典範獎”
- CKS won the 2022 ESG Practice Model Award of the 2022 Philanthropy Festival.
- 第十三屆中國上市公司投資者關係“天馬獎”榜單，科順榮獲中國上市公司投資者關係最佳董事會獎、最佳董秘獎
- In the list of the 13th "Tianma Award" for investor relations of Chinese listed companies, CKS won the Best Board Award and the Best Board Secretary Award for Investor Relations of Chinese Listed Companies.

## 6. 公司治理 Corporate Governance

公司嚴格按照《公司法》《證券法》《上市公司治理準則》《深圳證券交易所上市公司自律監管指引第 2 號——創業板上市公司規範運作》《公司章程》以及公司“三會”議事規則和其他相關法律法規及規範性文件要求，持續優化完善公司治理結構，持續規範公司治理，不斷提高治理水平。

In strict accordance with the *Company Law, Securities Law, Code of Corporate Governance for Listed Companies in China, Guidelines No. 2 for Self-Regulation of Listed Companies of Shenzhen Stock Exchange - Standardized Operation of Companies Listed on the Main Board, Articles of Association*, the “three meetings” system as well as other relevant laws, regulations and normative documents, CKS has continuously optimized corporate governance structure to improve its governance capability.

### ● 股東治理 Shareholder governance

公司嚴格按照法律法規規範股東大會的召集、召開及表決等程序，定期對前 200 名股東進行股東名冊分析，了解股東持股比例變動情況、機構持股變動情況和新進、退出股東情況，

认真做好投资者关系工作相关档案的建立和保管，积极维护股东的表决权，及时公告通知并协助股东来现场或通过网络投票的方式参加股东大会，使股东充分有效行使其表决权，切实保障中小股东权益。

In strict compliance with laws and regulations, CKS regulates the procedures of the General Meeting of Shareholders, including the holding and voting, and regularly analyzes the shareholder register of the top 200 shareholders and keeps track of the changes in the shareholding ratio of shareholders, in institutional shareholding and in the number of shareholders. We establish and preserve the files related to investor relations, announce the notification in a timely manner, and assist shareholders to attend the online or offline General Meeting of Shareholders to safeguard their voting rights and the rights of the small and medium shareholders in general.

● **董监高治理 Governance of directors, supervisors and the management**

**董事会：**公司依法设立董事会作为公司的经营决策机构和监督机构，依据相关法律法规和规范性文件及《公司章程》的规定，制定《董事会议事规则》，历次会议的召集、提案、出席、议事及表决均按照《董事会议事规则》的相关要求规范运作。

**Board of Directors:** CKS has established the Board of Directors as the decision-making body and supervisory body in operation. In accordance with the laws, regulations, regulatory documents, and the Articles of Association, we have formulated the Rules of Procedure of the Board Meeting. The convening, proposal, attendance, discussion and voting of all past sessions of the Board meeting are in line with the requirement of this document.

**监事会：**公司依法设立监事会作为公司经营管理的监督机构，依据相关法律法规和规范性文件及《公司章程》的规定，制定《监事会议事规则》，监事会严格依据相关要求履行职责，对公司重大事项、财务状况以及董事、高级管理人员履职情况的合法合规性进行监督，有效保障公司、股东、员工及其他利益相关方的合法权益。

**Board of Supervisors:** CKS has established the Board of Supervisors as a supervisory body in management. In accordance with the laws, regulations, regulatory documents, and the Articles of Association, we have formulated the *Rules of Procedure of the Meeting of the Board of Supervisors*. Based on relevant rules, the Board supervises the Company's material matters, financial status, and the compliance of directors and senior management to protect the lawful rights of CKS, shareholders, employees, and other stakeholders.

**管理层：**公司管理层严格按照《公司法》和《公司章程》的相关规定开展经营管理工作，管理层团队拥有资深的行业背景和管理经验，助力公司把握市场机遇，实现长期发展。

**The management:** The management carries out its operation and management in strict accordance with the relevant provisions of the *Company Law* and the *Articles of Association*. The management team has senior industry background and abundant management experience, which helps the Company grasp market opportunities and achieve long-term development.

● **风险控制 Risk control**

**全面风险管理体系：**公司从组织架构、管理制度和 workflow 等方面持续完善全面风险管理体系和管控架构，根据战略和发展需要，将 ESG 理念与公司原有的风险管理体系进行融合，在现有管理体系内覆盖 ESG 风险管控要求。通过风险管理的整体规划，结合内部控制，对制度进行全面梳理，实施事前、事中的主动风险管理，并对风险隐患排查专项治理，为实现战略和经营目标提供重要保障。

**Comprehensive risk management system:** We continue to improve the comprehensive risk management system and control structure in terms of organizational structure, management policy and workflow. According to the strategy and development needs, we integrate the ESG concept and our original risk management system into the existing system as the ESG risk control requirements. We carry out the overall planning of risk management, internal control, comprehensive policy analysis, active risk management before and during the process, and special management of potential risk evaluation to achieve strategic and operational goals.

**健全内部控制体系：**公司严格按照相关法律法规要求，梳理完善各项规章制度，建立健全公司内部控制体系，提升内部控制管理水平。监察审计部定期、不定期对组织的业务活动、内部控制和风险管理的适当性和有效性进行检查和评价，以促进组织完善治理、增加价值和实现目标。公司每季度均有组织开展内控制度执行情况自我评价工作，2022 年根据实际自查情况，编制《2021 年度内部控制自我评价报告》，未发现内部控制重大缺陷。

**Sound internal control system:** Strictly following the requirements of relevant laws and regulations, we sort out and improve the rules and regulations, establish a sophisticated internal control system, and enhance the internal control management. The Supervision and Audit Department inspects and evaluates the appropriateness and effectiveness of business activities, internal control, and risk management to improve our governance, add value and achieve our goals.

We organized the self-assessment of the implementation of the internal control system. In 2022, we prepared the *2021 Self-Assessment Report on Internal Control* based on the results. No significant deficiencies in internal control were identified.

● **廉洁建设 Integrity building**

公司构建有完善的廉洁预防管理体系，致力于建立健全的制度预防，教育防范、监督制约长效机制。公司制定有《廉洁管理制度》《投诉举报管理办法》等制度，筑牢廉洁防线，畅通举报渠道。开通并运维“廉洁科顺”公众号，发挥舆论宣传作用，促使员工了解并广泛参与到公司的廉洁合规建设中。定期组织开展廉洁自律教育，深化集团廉洁文化建设。严格执行检查，强化日常监督，维护企业合法权益的同时，引领行业正向发展。

The Company has improved the corruption prevention system and built a long-term mechanism supported by sound policies, education, and supervision. The company has formulated the *Integrity Management System* and *Complaint and Whistleblowing Management Measures* to solidify defense against corruption and facilitate whistleblowing. We set up an official account of “CKS Integrity” to enhance publicity and engage employees in the Company's integrity and compliance efforts. Regular integrity education campaigns are carried out to promote the Company's integrity culture. We also strictly enforce discipline inspection, strengthen daily supervision, safeguard the legitimate rights and interests of the Company, and lead the industry in the right direction.

● **信息披露 Information disclosure**

公司严格遵守信息披露的有关规定，按照中国证监会和深圳证券交易所信息披露格式指引及其他信息披露的相关规定，保证信息披露的真实性、准确性、完整性和及时性，确保投资者及时了解公司重大事项，最大程度地保护投资者利益。

Strictly complying with the guidelines of the China Securities Regulatory Commission and Shenzhen Stock Exchange(SZSE) on information disclosure format and other relevant regulations, we ensure a truthful, accurate, complete, and timely information disclosure to keep investors posted on our material matters and try our best to protect our investors' interests.

● **投资者沟通 Investor communication**

公司通过电话、邮件、深圳证券交易所投资者互动交流平台、投资者现场调研、线上会议等多种方式与广大投资者进行广泛交流和沟通，畅通投资者沟通渠道。2022 年，公司在



全景网举行 2021 年度网上业绩说明会, 参与 2022 广东辖区上市公司投资者关系管理月活动以及投资者集体接待日活动, 与投资者就其关心的问题进行交流。

To unblock channels for investor communication, we make extensive communications with our investors through telephone, email, the investor exchange platform of SZSE, on-site investor research, online meeting, etc. In 2022, we held an online presentation of 2021 annual results on a website for Chinese securities market (<https://www.p5w.net/>), participated in two activities in Guangdong Province, the 2022 Investor Relations Management Month for Listed Companies and the Collective Investor Day, to communicate with investors on their concerns.

#### 【关键绩效】 Key Performance

- 召开 9 次董事会会议
- 9 meetings of the Board of Directors
- 召开 8 次监事会会议
- 8 meetings of the Board of Supervisors
- 召开 1 次年度股东大会及 1 次临时股东大会
- 1 annual General Meeting of Shareholders; 1 extraordinary General Meetings of Shareholders
- 董事会共对外披露了 191 份公告
- 191 announcements made by the Board of Directors
- 接待投资者现场调研和参观 200 余次
- 200 + on-site investigations and visits from investors
- 通过“深交所互动易”回复投资者问题 120 条
- 120 replies to investors' questions via SZSE's "Interaction Easy" platform

## 7. ESG 治理 ESG Governance

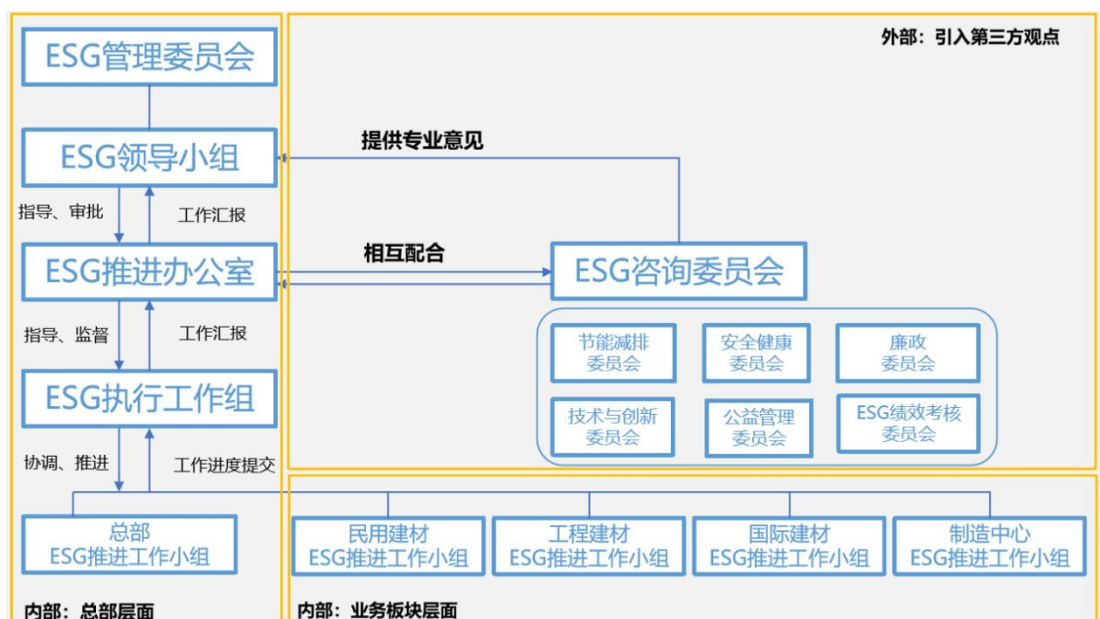
公司高度重视可持续发展, 将 ESG 理念融入公司治理, 建立了权责清晰的 ESG 工作架构, 不断深化 ESG 管理实践, 与利益相关方保持密切沟通, 并对利益相关方关注的议题进行重要性分析, 通过持续完善 ESG 治理更好地回应利益相关方的诉求, 为社会创造综合价值。

Focusing on sustainable development, CKS integrates ESG concept into corporate governance, establishes ESG work structure with clear authority and responsibility, and carries out ESG management practices. We maintain close communication with our stakeholders, analyze their concerns, and create comprehensive value for society by continuously improving ESG governance to better respond to stakeholder demands.

## 7.1. ESG 工作架构 ESG Work Structure

为更好地开展 ESG 管理工作，公司建立健全 ESG 管理架构体系，形成内外部双向协同的 ESG 管理机制，明确决策、执行、监督等方面的职责权限，实现内外联动，协调管理，战略规划与组织结构相配套。

To better carry out ESG management, we work to establish a sound ESG management structure system, and have developed a two-way ESG management mechanism with internal and external synergy, and clarified the responsibilities and authority in decision-making, implementation, and supervision, thus realizing internal and external integration, coordinated management, and strategic planning with organizational structure.



ESG 管理委员会 ESG Management Committee

ESG 领导小组 ESG Leading Group

指导 审批 Guide & Approve

工作汇报 Reporting

ESG 推进办公室 ESG Promotion Office

指导、监督 Guide & Supervise

工作汇报 Report

ESG 执行工作组 ESG Implementation Working Group

协调、推进 Coordinate & Promote

工作进度提交 Submit the working progress material

总部 ESG 推进工作小组 HQ ESG Promotion Group

内部：总部层面 Internal: Headquarters

外部：引入第三方观点 External: Introduce Third-party Perspective

提供专业意见 Provide professional advice

相互配合 Cooperate

ESG 咨询委员会 ESG Consultative Committee

节能减排委员会 Energy Saving and Emission Reduction Committee

安全健康委员会 Safety and Health Committee

廉政委员会 Integrity Committee

技术与创新委员会 Technology and Innovation Committee

公益管理委员会 Public Welfare Management Committee

ESG 绩效考核委员会 ESG Performance Assessment Committee

民用建材 ESG 推进工作小组 ESG Promotion Group of Civil Engineering Materials

工程建材 ESG 推进工作小组 ESG Promotion Group of Construction Engineering Materials

国际建材 ESG 推进工作小组 ESG Promotion Group of International Engineering Materials

制造中心 ESG 推进工作小组 ESG Promotion Group of Manufacturing Center

内部：业务板块层面 Internal: Business Segment

## 7.2. ESG 管理实践 ESG Management Practice

公司将 ESG 理念全面融入企业发展战略与日常经营，制定了全面提升 ESG 管理水平的战略规划，积极开展 ESG 管理提升计划，不断深化 ESG 管理实践。

To deepen ESG management practice, we integrate ESG concept into our corporate

development strategy and daily operation, develop and implement a strategic plan for ESG management improvement.

● 制定 ESG 战略规划 **Developing ESG strategic plan**

公司将 ESG 融入发展战略，制定了全面提升 ESG 管理水平的“一个目标”“八个重点工作”“二十八项履责行动”和“五个保障”战略规划，着眼于推动公司 ESG 工作规范化、制度化、系统化和常态化，指导各职能部门、各业务板块推进 ESG 管理，加快转变发展方式，促进公司与社会、环境的和谐发展，助力“与人类美好建筑共百年”愿景的顺利实现。

We integrate ESG into our development strategy and has formulated a strategic plan for ESG improvement with “one goal”, “eight focuses”, “twenty-eight CSR actions” and “five guarantees”. We aim to promote the standardization, institutionalization, systematization, and normalization of ESG-related work, guide all functional departments and business units to strengthen ESG management, accelerate the transformation of development, and promote the harmonious development of the company, society, and the environment, thereby realizing the goal of “developing time-honored buildings for mankind”.



一个目标 One goal

三年 ESG 领域行业第一 To be an ESG leader in the industry in three years

五年 ESG 领域全国领先 To be an ESG leader in China in five years

八项重点工作 Eight focuses

责任管理 CSR management

责任实践 CSR practice

责任传播 CSR communication

强化利益相关方管理 Strengthen stakeholder management

股东责任 Responsibility to Shareholder

推动 ESG 融入公司治理 Integrate ESG factors into corporate governance

客户责任 Responsibility to Customers

优化客户服务体验 Optimize customer service

环境责任 Environmental Responsibility

创建绿色经营模式 Develop a green business model

员工责任 Responsibility to Employees

构筑员工事业平台 Build a career platform for employees

社区责任 Responsibility to Communities

提升社区透明化沟通 Enhance transparency in community communication

供应商责任 Responsibility to Suppliers

打造可持续供应链 Build a sustainable supply chain

加强责任品牌传播 Strengthen CSR brand communication

五个保障 Five guarantees

组织保障 Organization guarantee

制度保障 System guarantee

人力保障 Human Resource guarantee

资金保障 Finance guarantee

激励保障 Incentive guarantee

规划思路 Planning

建平台 Platform building

强管理 Management enhancement

推实践 Practice promotion

塑形象 Identity establishment

● **开展 ESG 管理提升计划 Implementing ESG management improvement plan**

公司将 ESG 理念融入企业日常经营管理，开展 ESG 管理提升计划。明确各部门在 ESG 管理过程中的角色和职责；基于 ESG 理念设置各部门对应的工作方向，将 ESG 理念落地为具体工作；识别各部门在 ESG 管理当中存在的关键问题，并针对关键问题设定行动计划和绩效承诺，并为上述行动计划协调内部需求，提供资源保障。

We integrate ESG concept into our daily operation and management and carry out ESG management improvement plan with three aspects. First, we clarify the roles and responsibilities of each department in the ESG management process. Second, we set up the corresponding direction for each department based on ESG concept and transform the concept into concrete action. Third, we identify the key issues in ESG management in each department and develop action plans and performance commitments for those issues. We coordinate internal requirements and provide resources for the above actions.

**7.3. 利益相关方沟通 Stakeholder Communication**

利益相关方 Stakeholders	期望与诉求 Expectations and demands	回应与行动 Response and actions
股东与投资者 Shareholders and investors	<ul style="list-style-type: none"> <li>● 透明信息披露</li> <li>● 创造经济价值</li> <li>● Transparent information disclosure</li> <li>● Creating economic value</li> </ul>	<ul style="list-style-type: none"> <li>● 加强信息披露</li> <li>● 保持业务和盈利能力增长</li> <li>● Strengthening information disclosure</li> <li>● Maintaining business and profitability growth</li> </ul>
政府与监管部门 Government and regulatory authorities	<ul style="list-style-type: none"> <li>● 依法合规经营</li> <li>● 廉洁从业</li> <li>● 支持地方发展</li> <li>● Compliance operation</li> <li>● Keeping business integrity</li> <li>● Supporting local development</li> </ul>	<ul style="list-style-type: none"> <li>● 合规经营、依法纳税</li> <li>● 落实监督政策，开展内部监督</li> <li>● 利用专业优势主动承担社会责任</li> <li>● Compliance operation and tax payment according to law</li> <li>● Implementing supervision policies and carrying out internal supervision</li> </ul>

		<ul style="list-style-type: none"> <li>● Leveraging expertise to actively undertake social responsibility</li> </ul>
<p>客户与经销商</p> <p>Customers and dealers</p>	<ul style="list-style-type: none"> <li>● 提供优质产品</li> <li>● 优化客户服务</li> <li>● Providing quality products</li> <li>● Optimizing customer service</li> </ul>	<ul style="list-style-type: none"> <li>● 加强质量管理与控制</li> <li>● 提供满意服务</li> <li>● Strengthening quality management and control</li> <li>● Providing satisfactory service</li> </ul>
<p>合作伙伴</p> <p>Partners</p>	<ul style="list-style-type: none"> <li>● 公开、公平、公正采购</li> <li>● 互惠互利、共赢发展</li> <li>● Open, fair and just procurement</li> <li>● Mutually beneficial and win-win development</li> </ul>	<ul style="list-style-type: none"> <li>● 阳光采购</li> <li>● 提供合作平台, 促进合作共赢</li> <li>● Transparent purchase</li> <li>● Providing a platform for win-win cooperation</li> </ul>
<p>员工</p> <p>Employees</p>	<ul style="list-style-type: none"> <li>● 提供工资与福利保障</li> <li>● 提供公平晋升与发展机会</li> <li>● 关爱员工</li> <li>● Providing compensation and benefits security</li> <li>● Providing fair promotion and development opportunities</li> <li>● Caring for employees</li> </ul>	<ul style="list-style-type: none"> <li>● 及时足额发放工资、缴纳社保</li> <li>● 建立公平晋升机制</li> <li>● 帮扶困难员工</li> <li>● Paying salary and social security in full and on time</li> <li>● Establishing a fair promotion mechanism</li> <li>● Helping employees in need</li> </ul>
<p>环境</p> <p>Environment</p>	<ul style="list-style-type: none"> <li>● 减少经营活动的环境影响</li> <li>● 带动上下游节能减排</li> <li>● Reducing the impact of business activities on environment</li> <li>● Driving upstream and downstream players to save energy and reduce emissions</li> </ul>	<ul style="list-style-type: none"> <li>● 打造绿色产品</li> <li>● 开展绿色运营</li> <li>● 引导公众参与环保</li> <li>● Creating green products</li> <li>● Carrying out green operation</li> <li>● Guiding public participation in environmental protection</li> </ul>
<p>行业组织与协会</p> <p>Industry organizations and associations</p>	<ul style="list-style-type: none"> <li>● 持续技术创新</li> <li>● 促进行业发展</li> <li>● Continuing technological innovation</li> <li>● Promoting industry development</li> </ul>	<ul style="list-style-type: none"> <li>● 加强科技创新</li> <li>● 参编国家及行业标准</li> <li>● Strengthening technological innovation</li> <li>● Participating in the formulation of national and industrial standards</li> </ul>

<p style="text-align: center;">社区 Communities</p>	<ul style="list-style-type: none"> <li>● 支持地方发展</li> <li>● 热心社会公益</li> <li>● Supporting local development</li> <li>● Engaging in social welfare</li> </ul>	<ul style="list-style-type: none"> <li>● 开展区域修缮</li> <li>● 组织和参与公益慈善活动</li> <li>● 鼓励员工参与志愿活动</li> <li>● Carrying out regional repair</li> <li>● Organizing and participating in charity activities</li> <li>● Encouraging employees to participate in voluntary activities</li> </ul>
<p style="text-align: center;">媒体 Media</p>	<ul style="list-style-type: none"> <li>● 诚信运营</li> <li>● 主动接受媒体监督</li> <li>● Honest operation</li> <li>● Actively accepting media supervision</li> </ul>	<ul style="list-style-type: none"> <li>● 信息公开透明</li> <li>● 邀请媒体参访</li> <li>● Open and transparent information</li> <li>● Inviting media to visit</li> </ul>

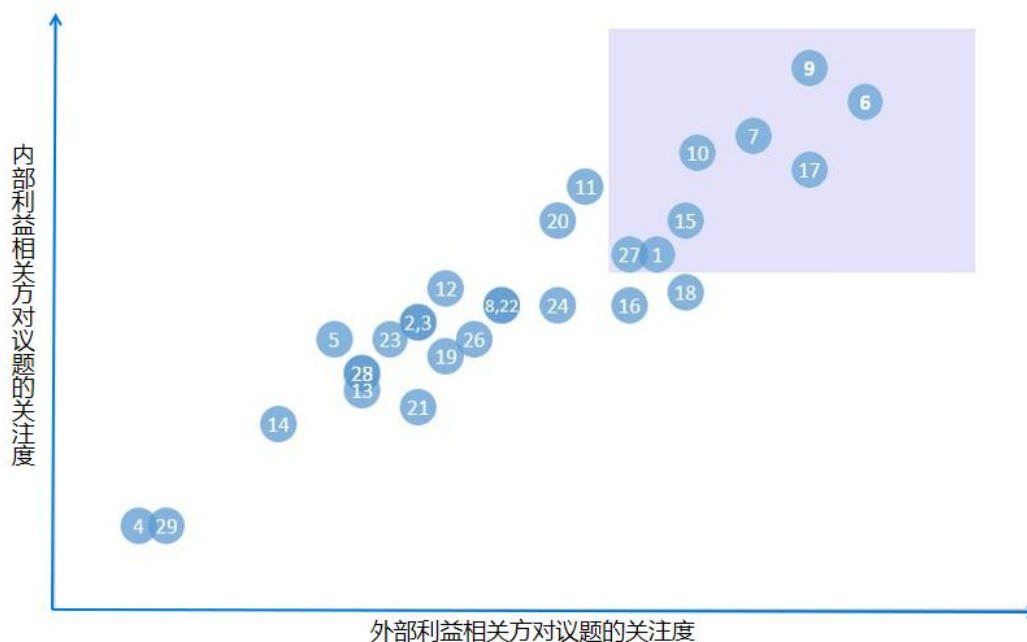
#### 7.4. ESG 议题重要性分析 Materiality Analysis of ESG Topics

科顺重视可持续发展议题的识别和管理，通过进行面向利益相关方的调研活动，了解和收集政府、股东、员工、客户等各方认为公司经营所需关注的重大性议题，并在报告中重点披露。2022 年基于公司业务实际及发展规划，对重大性议题进行了回顾及评估，通过重要性分析及优先级排序，我们从 29 项议题中进一步梳理出 8 项重要议题，形成 2022 年实质性议题矩阵。

CKS highly values the identification and management of sustainability topics. Through stakeholder survey, we understand and collect material topics vital to the Company's operation from the perspective of the government, shareholders, employees, customers, and other parties, and make key disclosure in the report. In 2022, based on the Company's business reality and development plan, we reviewed and evaluated material topics. After materiality analysis and prioritization, we further sorted out 8 important topics from 29 topics, forming a materiality matrix for 2022.



实质性议题分析



内部利益相关方对议题的关注度

外部利益相关方对议题的关注度

Attention of internal stakeholders to topics

Attention of external stakeholders to topics

图 科顺实质性议题矩阵 Materiality matrix

<b>股东责任</b> <b>Responsibility to shareholders</b>	<b>1. 守法经营</b> <b>Compliance operation</b>	<b>环境责任</b> <b>Responsibility to environment</b>	<b>19.应对气候变化</b> <b>Addressing climate change</b>
	<b>2. 价值创造</b> <b>Value creation</b>		<b>20.污染防治</b> <b>Pollution control</b>
	<b>3.风险管控</b> Risk control		<b>21.生物多样性保护</b> <b>Biodiversity conservation</b>
	<b>4.信息披露</b> Information disclosure		<b>22.水资源管理</b> Water resources management
	<b>5.反腐倡廉</b> Anti- corruption		<b>23.物料节约</b> Material saving
<b>客户责任</b>	<b>6.产品质量</b> <b>Product quality</b>		<b>24.绿色产品</b> <b>Green</b>

<b>Responsibility to customers</b>			products
	7.优质服务 Quality service		25.绿色办公 Green Office
	8.隐私保护 Privacy protection	<b>社区责任 Responsibility to communities</b>	26.经济发展 Economic development
	9.安全健康 Safety and health		27.科技创新 Technological innovation
	10.权益保障 Protection of rights and interests		28.带动就业 Employment promotion
	11.职业发展 Career development		29.公益慈善 Charity
	12.福利关怀 Welfare care		
13.多元化与包容性 Diversity and inclusion			
<b>供应链责任 Responsibility to supply chains</b>	14.民主管理 Democratic management	(识别出的实质性议题以加粗的形式展示)	
	15.商业道德 Business ethics		
	16.共同成长 Common growth		
	17.质量提升 Quality improvement		
	18.利益共享 Benefit sharing		

## 报告主体 Main Body

### 1. 守护品质——质量引领发展 Maintaining Quality - Quality-driven Development

向质量要效益，以质量求长续，科顺股份坚持将质量作为发展的根本，进行全面质量管控，持续加强安全管理，不断优化客户体验，以卓越精品和精细化服务持续为客户创造更大的价值，守护安全、健康、绿色的美好建筑。

Corporate performance and sustainable development derive from quality. Seeing quality as the foundation of development, CKS puts in place comprehensive quality control, strengthens safety management, and optimizes customer experience. We continue to create greater value for customers with excellent quality and services and safeguard safe, healthy, and green buildings.

#### 响应联合国可持续发展目标 Contributions to UN SDGs



#### 【关键绩效】 Key Performance

- 开展质量意识培训场次超 100 场
- More than 100 quality training sessions
- 客户投诉处理满意度达 80%以上
- 80% + satisfaction rate for customer complaint handling

#### 1.1. 完善质量管控 Quality Control and Management

科顺将全面质量管理纳入企业文化，从企业发展历程中提炼“科顺基因”，形成独特的“一次做对，一次就好”的质量文化，以质量文化为导向，进行全面质量管理，不断完善质量管控措施，将质量管理落实到每一个环节，每一位员工。

CKS incorporates comprehensive quality management into corporate culture, identifies "CKS

genes" from the Company's development, and shapes a unique quality culture of "doing it right the first time and doing it only once." Guided by our quality culture, we implement comprehensive quality management, improve quality control measures, and see that quality management is delivered in every link and by every employee.

### 1.1.1. 全面质量管理 **Comprehensive quality management**

我们坚持以质量为本，形成全面卓越的质量管理体系，建立以“一次做对，一次就好”为导向的“双流”质量管理模式，实现涵盖研发、供应、制造、施工、服务全流程的质量管理。

Giving priority to quality, we have established a comprehensive and excellent quality management system and a "dual-flow" quality management model that focuses on "doing it right the first time and doing it only once." Quality management covers the whole process of R&D, supply, manufacturing, construction, and services.

#### ● 质量管理体系 **Quality management system**

公司在行业内率先引入质量管理体系，制定和实施“科学质量管理，塑造防水精品，全员积极参与，共筑百年卓越”质量方针，明确各层级质量目标指标，提供必要的人、财、物资源，完善质量管理相关文件和流程，确保了质量管理体系长期有效运行。公司制定“营造绿色环境，守护企业长青；共创安全环境，共享健康生活”的环境、职业健康安全和能源方针，建立并实施环境、职业健康安全和能源管理体系，并不断建立完善知识产权、售后服务评价、“两化融合”、绿色工厂等管理体系。通过对质量、环境、职业健康、能源管理体系的管理评审，确保从研发、采购，制造、销售、施工、服务等全过程强化管理，不断夯实质量管理基础。

We are among the first in the industry to introduce the quality management system, and implement the quality policy of "science-based quality management, quality waterproof products, active participation of all employees, and a century of excellence". Quality target indicators at all levels are clarified with the input of necessary human, financial, and material resources, and quality management documents and processes are improved to ensure a long-term effective quality management system. The Company has formulated an environment, occupational health, and energy policy that aims to foster a green environment, sustainable corporate development, a safe workplace, and healthy lifestyles with a corresponding management system, and improved

management systems on intellectual property, after-sales service evaluation, the integration of industrialization and information technology, and green factory. Through the evaluation of quality, environment, occupational health, and energy management systems, we strengthen management throughout R&D, procurement, manufacturing, sales, construction, and service, and cement the foundation of quality management.

- **“双流”质量管理模式 "Dual-flow" quality management model**

公司以“一次做对，一次就好”的质量文化为导向，以提升利益相关方满意度为目标，将 SAP 集成 SRM、OA、EHR、MES、LIMS、ERP、WMS、TMS、PMS、CRM 等十大系统“信息流”，与研发、供应链、制造、施工、服务等五大过程“价值流”集成质量管理中枢，形成“五测五评”研发质量模式、“五化”供应链质量模式、“KPS”制造质量模式、“三一·四化”施工质量模式、“方圆”服务商业模式，通过贯穿全价值链的 TQCC 持续改善活动，推进卓越绩效和数字化管理，持续提升技术引领、人才驱动、智能制造、绿色发展“四大核心竞争力”，提高公司经营质量。

Guided by the quality culture of "doing it right the first time and doing it only once", we aim at improving stakeholder satisfaction. The Company has built "information flows" featuring the integration of SAP into ten major information systems such as SRM, OA, EHR, MES, LIMS, ERP, WMS, TMS, PMS, CRM, and "value flows" featuring the integration of five major processes such as R&D, supply chain, manufacturing, construction, and service into a quality management center. We have formed a "five tests and five evaluations" R&D quality model, a "five-point" supply chain quality model, a "KPS" manufacturing quality model, a construction quality model, and a "Fangyuan" service model. We advance corporate performance and digital management through TQCC continuous improvements in the value chain and enhance our four aspects of competitiveness in technology, talent, intelligent manufacturing, and green development to improve our operation.

### **1.1.2. 质量控制举措 Quality improvement measures**

在将质量文化落地的实践中，我们制定了一系列具体的质量管控措施。2022 年，公司修订或设立多份标准规范，持续开展工艺质量检查，坚持全流程质量检验，并持续进行质量改善，不断提升产品质量。

Quality culture is translated into specific quality control measures. In 2022, the Company revised or established several standards and specifications, inspected processes, ensured quality inspection of the whole process, and continued to improve product quality.

**设立标准规范：**标准是企业产品生产的重要依据，2022 年，我们修改、发布多份企业生产标准和技术规程，覆盖沥青卷材、高分子卷材、涂料等产品，完成多份内部标准文件的编制和修订。

**Setting standards and specifications:** Standards guide the manufacturing of products. In 2022, we revised and released several production standards and technical specifications, covering asphalt rolls, polymer rolls, and coatings, and prepared or revised several internal standard documents.

**工艺质量稽查：**我们在全国各生产基地进行工艺质量的稽查和评级，稽查内容覆盖生产制度与操作指引、生产投料、工艺定额、工艺参数、操作规模、自检制度、成品标准、卷材废品标准、成品外观、产品质检、不合格品处理、返工质量、剩料处理、生产指标分析等项目，确保各生产基地制度流程的有效执行，对产品质量进行严格把控。

**Production process inspection:** We conduct production process inspection and rating in all production bases nationwide. The inspection covers items such as production system and operation guidelines, feeding, process quota, process parameters, operation procedures, self inspection system, finished product standards, waste rolls standards, finished product appearance, product quality inspection, disposal of nonconformity, rework quality, leftover material handling, and production index analysis, so as to ensure the effective implementation of systems and processes in all production bases and strictly control product quality.

**质量检验流程：**我们采取全过程闭环式检测，精准把握来料环节、生产环节、出厂环节和出货环节四大质量控制点，力求为客户带来质量最优的科顺产品。

**Quality inspection process:** We conduct a whole-process and closed-loop inspection, particularly on the four key links including incoming, production, final inspection and outgoing, striving to bring customers CKS products with the best quality.

<b>质量检验环节</b> <b>Quality</b>	<b>质量检验措施</b> <b>Quality inspection measures</b>
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inspection steps	
<p>来料环节 <b>Incoming</b></p>	<p>对原材料进行品质确认与查验，对原材料进行抽样检测，对不合格材料进行退货处理，确保原材料质量合格再流入生产环节。</p> <p>We check and confirm the quality of raw materials by sampling and testing raw materials. The unqualified materials shall be returned to ensure that the raw materials are qualified before production.</p>
<p>生产环节 <b>Production</b></p>	<p>采用过程监控的方式对生产过程中的每道工序的产品质量进行抽检，对操作人员的工作方式进行合规检查，对不符合要求的生产工作进行及时调整，确保各生产环节满足质量要求。</p> <p>We monitor the production processes and conduct sampling inspection on each process as well as compliance inspection on operators. Undesirable behaviors are corrected to ensure that all production links meet the quality requirements.</p>
<p>出厂环节 <b>Final inspection</b></p>	<p>对出厂成品进行品质检测，包括外观检验、性能测试等，同时对合格产品出具检验报告及合格证，确保产品符合出货标准及客户要求。</p> <p>We carry out quality inspection on the finished products, including appearance inspection and performance test. Inspection reports and certificates are issued for qualified products to ensure that the products meet the delivery standards and customer requirements.</p>
<p>出货环节 <b>Outgoing</b></p>	<p>在产品出货阶段确认产品外观、产品检测信息、校验产品资料（检验报告、合格证）、随机抽检确认性能等符合要求，并要求承运商按照订单拟定标准及合同进行运输，实施出货控制。</p> <p>We confirm the product appearance and product inspection information, check product materials (inspection report and certificate), and have some random inspections on product performance before outgoing. And carriers are required to transport products according to the order and contract.</p>

**持续质量改善：**我们根据业务实际开展情况，选取特定项目作为改善项目，采取相应的改善措施，并对质量数据持续跟进及分析、跟踪与复盘，持续提升原材料及产品质量。

Continuously improving quality: Given business reality, we select specific improvement projects, take corresponding improvement measures, and continuously monitor and analyze quality data to improve the quality of raw materials and products.

### 1.1.3. 质量意识培训 **Quality training**

我们重视全员质量意识培训，组织开展 QCC 活动、举办质量月专项活动，开展应用技术培训和优质工程项目评选活动，深入落实“一次做对，一次就好”的质量文化。

Attaching importance to quality training of all employees, we organize quality control circle (QCC) activities, hold special quality month events, carry out application technology training, and select high-quality engineering projects to promote the quality culture of "doing it right the first time and doing it only once".

#### ● **QCC（品管圈）活动 QCC activities**

QCC 是由相同、相近或互补性质的人员自动自发组成数人的小团体（又称 QC 小组），全体合作、集思广益，按照一定的活动程序来解决工作、管理、文化等方面所发生的问题及课题。我们持续开展 QCC 活动，不断更新 QCC 主题，全面覆盖工艺、研发、行政、人才、市场等，激发企业高质量发展与创新活力。2022 年度 QCC 活动共注册提报了 88 个 QCC 课题，结题 66 个，与 QCC 活动的课题小组来自不同的职能部门、生产基地。通过 QCC 活动，我们引导全体员工参与到企业的质量管理、创新和持续改善活动中来，提高公司经营质量。

Quality control circles are initiated by like-minded people, also known as QC groups. They cooperate and brainstorm to solve problems in work, management, and culture by following certain procedures. We continue to carry out QCC activities, update QCC topics, and involve technology, R&D, administration, talent, and marketing to stimulate high-quality development and innovation. In 2022, a total of 88 QCC topics were registered, 66 of which were concluded. QCC research groups are comprised of members of different departments and production bases. Through QCC activities, we guide all employees to participate in quality management, innovation, and continuous improvement of the Company to improve our operation.

#### ● **质量月专项活动 Quality month special activities**

应用技术培训：组织多场应用技术培训，包括防水理论指导和标准化施工实操训练。通过立足实战、科学组训，强化学员应用技术操作技能，提升一线项目工作者的专业素质水平



和服务质量意识。

Application technology training: several sessions of application technology training are organized, including waterproof theory and standardized construction practice. Through practical and science-based training, we strengthen the skills of trainees and improve the professionalism and service quality awareness of front-line workers.

优质工程项目评选：深入项目一线，评选优质工程项目，通过展示质量标杆、分享最佳实践，提高项目一线工作者的质量管理意识及项目施工质量水平，共同以标准化施工，树立行业口碑。

Selection of high-quality engineering projects: We visit the front line of projects to select high-quality engineering projects. We also improve quality management awareness of project front-line workers and the quality of project construction by sharing best quality practices to build our reputation with standardized construction.

**【关键数据】 Key Performance**

- 全国生产基地年度开展质量意识培训场次超 100 场
- Over 100 quality training sessions in production bases nationwide every year
- 全国各生产基地人均质量意识培训时间约 30 小时
- About 30 hours of per capita quality training at each production base nationwide
- 立项提报 QCC 项目 86 个，实际收益超过 400 万
- 86 QCC projects applied for approval, generating over RMB 4 million in profits
- 高明基地顺利通过测量管理体系认证，实现集团首次突破
- Measurement management system certification granted to the Gaoming base, the first in the Company

**【案例】零渗漏施工班组荣获顺德区政府质量奖一线班组奖**

**【Case】CKS zero leakage construction team won the Quality Award for Frontline Teams from the Shunde District Government**

2022 年，顺德政府质量奖首次增设一线班组奖，奖励工作业绩突出，生产、建设或服务 quality 水平处于较高水平，注重技术或管理创新的制造业和服务业班组或团队。科顺股份零

渗漏施工小组首获顺德政府质量奖一线班组奖。

In 2022, the Shunde Government Quality Award added a frontline team category to recognize manufacturing and service teams with outstanding performance in production, construction, or service and a focus on technology or management innovation. The award went to the CKS zero leakage construction team for the first time.

秉承公司“一次做对、一次就好”的质量文化，零渗漏施工小组以“让建筑零渗漏”为使命，建立起“一次防水，一次就好”的班组文化。通过实施设计、施工、服务和改进“PDCA 循环”，实现全过程质量管理，并运用质量功能展开（QFD）方法，自主创建出“三一·四化”零渗漏数智质量管理模式，不断改革和创新工程承包管理模式，实现高效高质的项目管理。同时，利用新技术、新工艺和新方法解决关键及重点质量问题，独创推出“一次防水整体解决方案”和“科顺绿洲系统解决方案”，精心做好防水施工每一道工序，聚焦客户服务、关注质量管理、坚持质量改进，持续提升质量水平。

Adhering to the quality culture of "doing it right the first time and doing it only once", the zero leakage construction team is committed to zero leakage in buildings with the team spirit of "doing waterproofing only once and doing it right". Through the improved plan-do-check-act (PDCA) cycle, the construction team realizes whole-process quality management and establishes a digital and smart zero-leakage quality management model based on the quality function development (QFD) model. The team also updates project contracting management models to achieve efficient and high-quality project management. At the same time, new technologies, processes, and methods are utilized to resolve key quality issues, with original do-it-once waterproof overall solutions and CKS oasis systematic solutions that never neglect even a single link in waterproofing. Customer services, quality management, and quality improvement are made priorities in construction.



## 1.2. 筑牢安全基石 Safety Foundation

科顺始终坚守安全底线，搭建全面的安全管理体系，持续完善安全生产举措，全面排除各类安全隐患，开展安全文化建设，全方位保障员工生产安全。

Sticking to the bottom line of safety, CKS builds a comprehensive safety management system, improves work safety measures, eliminates all kinds of safety hazards, and builds a safety culture to guarantee the overall safety of employees.

### 1.2.1. 安全管理体系 Safety management system

我们依据国家法规以及安全管理标准，先后建立《安全事故管理规定》《环安监督检查制度》《环安教育与培训制度》《环安例会制度》《环安隐患排查治理管理制度》《职业健康安全管理制度》《职业健康安全与环境责任制》及其他安全制度、规定及标准等 50 余项。开展《安全生产法》《环境保护法》等 200 部相关法规标准合规性评价，不断完善安全管理体系，确保安全管理工作合法合规。

Following national laws and safety management standards, we have established more than 50 safety systems, regulations, and standards, including *Accident Management Regulations*, *Environmental Safety Supervision and Inspection System*, *Environmental Safety Education and Training System*, *Environmental Safety Regular Meeting System*, *Environmental Safety Hidden Hazard Identification and Management System*, *Occupational Health and Safety and Environmental Responsibility System*, and *Occupational Health and Safety Management System*.

We assess our compliance with 200 relevant laws and regulations such as the *Work Safety Law* and *the Environmental Protection Law* and improve the safety management system to ensure our safety management meets legal requirements.

### 1.2.2. 安全管控措施 Safety measures

我们切实保障生产和施工安全，落实安全生产主体责任，开展安全生产标准化建设，实行安全风险分级管控和隐患排查治理“双重”预防机制，对设施设备及危险化学品进行安全管理，建立重大事故预防机制，筑起安全防线。

We guarantee production and construction safety, ensure the implementation of work safety responsibilities, and standardize work safety. A dual prevention mechanism combining hierarchical control of safety risks and safety hazard investigation and management is established. We have cemented the bottom line of safety by ensuring the safe use of facilities, equipment, and hazardous chemicals and building a major accident prevention mechanism.

**落实安全生产主体责任：**按照“一岗位一清单”完善安全生产责任制、逐级签订、年底考核，确保落实企业安全生产主体责任。

**Implementing work safety responsibilities:** We improve the "post-specific list" work safety responsibility system, have the list signed at each level, and assess performance at the end of each year to see that the responsibilities are undertaken.

**开展安全生产标准化建设：**2022 年，高明、重庆、德州、鞍山、昆山、南通、荆门生产基地完成安全生产标准化达标建设，取得安全生产标准化达标证书。

**Standardizing work safety:** In 2022, the production bases of Gaoming, Chongqing, Dezhou, Anshan, Kunshan, Nantong, and Jingmen met the standards of work safety, thus obtaining work safety compliance certificates.

**建设“双重”预防机制：**实行安全风险分级管控和隐患排查治理，开展风险评价、分级、编制风险四色图、制定管控措施，组织员工培训；开展隐患排查整改并进行公示，2022 年高明、重庆、德州、鞍山、南通、荆门、渭南生产基地完成“双重”预防机制建设。

**Establishing a dual prevention mechanism:** We implement hierarchical control of safety risks and investigate potential hazards to bring them under control. We assess risks, classify them into four colors with corresponding control measures, and organize employee training. We

investigate and rectify safety hazards and then announce the results. In 2022, the production bases of Gaoming, Chongqing, Dezhou, Anshan, Nantong, Jingmen, and Weinan built their dual prevention mechanisms.

**施工现场安全管理:** 与劳务人员签订劳务协议, 为其提供系统性的安全教育培训以及防水职业技能培训, 确保持证上岗; 施工前进行现场安全文明教育和安全技术交底; 配备专业统一的防护用具, 例如安全帽、反光衣、安全带、施工配备的灭火器、非固化加热的控温设备、丙烷的减压阀等; 持续开展日常的质量安全巡查和专项检查活动, 如年终节前大检查、年初的复工复产检查等。

**Managing safety at construction sites:** We sign labor contracts with labor service providers and offer them systematic safety education and training and waterproof skill development to ensure that they are qualified. We also conduct on-site education on work safety and safety technology before construction, and provide professional and uniform protective equipment, such as safety helmets, reflective clothing, safety belts, fire extinguishers, noncured heating temperature controllers, and propane pressure-reducing valves. We continue to carry out daily and special inspections on quality and safety, such as thorough inspections before the end of the year and for work resumption at the beginning of the year.

**设施设备安全管理:** 开展压力管道无损探伤、特种设备(安全附件)定期检测, 定期对可燃有毒气体报警装置、防雷防静电装置进行检测维护, 消防设备设施定期维保。

**Ensuring the safety of facilities and equipment:** We carry out non-destructive testing of pressure pipelines, regular testing of special equipment (safety accessories), and regular testing and maintenance of flammable toxic gas alarms, lightning and ESD protection devices, and fire equipment and facilities.

**危险化学品管理:** 将危险化学品登记备案、安全存储, 进行防火、防静电、防潮、防泄漏管理, 加强送样进行化学品危险性分类测试及货物运输条件鉴定, 实现危险化学品零泄漏。

**Managing hazardous chemicals:** We register and properly store hazardous chemicals and prevent them from fire, ESD, moisture, and leakage. We classify and test the risks of chemical samples and analyze transportation conditions to guarantee zero leakage of hazardous chemicals.

**火灾事故预防:** 沥青卷材配料区域设置氮气灭火系统、泡沫灭火系统, 定期维护测试阻火阀、温感、现场声光报警; 沥青卷材配料釜、环保管道、胶粉螺旋定期清理; 甲类车间、

储罐和仓库设置有人体静电消除器、专用的接地导线、静电接地夹，保证设备可靠接地；架空配管系统保持可靠的电气连接，卸车鹤管、管道、罐车跨接和接地，防止静电事故。

**Preventing fire:** Nitrogen fire suppression system and foam fire suppression system are set up in the asphalt roll preparation areas with regular maintenance and testing of fire retardant valves, temperature sensing, and on-site sound and light alarms. We regularly clean asphalt roll boilers, environmental protection pipelines, and rubber powder devices. The Class A workshops, storage tanks and warehouses is equipped with human body static eliminators, special grounding wires, and grounding clamps, to ensure the equipment grounding; the reliable electrical connection of overhead piping system, unloading crane pipe, pipelines, and tank truck grounding is secured to prevent electrostatic accident.

#### 【关键数据】 Key Performance

- 安全事故数量 24 次
- 24 safety incidents
- 重伤事故率 0%
- 0% serious injuries
- 轻伤事故率 0.3 起/亿元产值
- 0.3 cases of minor injuries per RMB100 million of output
- 因工死亡人数 0 人
- 0 work-related deaths
- 工伤率 0.6%
- 0.6% work-related injuries
- 因工伤损失工作日 1220 天
- 1,220 lost working days due to work-related injuries
- 职业病案例数量 0 个
- 0 occupational disease cases
- 职业病比例 0%
- 0% occupational disease rate
- 各生产基地开展隐患排查整改约 4000 次

➤ 4,000 hidden danger inspections and rectifications at all production bases

### 1.2.3. 安全文化建设 Safety culture

我们积极开展全员安全培训工作，开展各类安全意识宣传活动，进行安全领导力建设和应急预案演练，持续构建企业安全文化。

We carry out safety training for all employees, various safety awareness campaigns, and emergency drills, establish a leading role in safety, and shape a corporate safety culture.

**安全领导力建设：**以制造中心两级（中心级、生产基地级）副总经理及以上的领导为对象，在各自分管的业务领域、业务板块开展隐患排查、应急演练、安全活动、安全培训等，倡导实施领导干部安全行动。

**Establishing a leading role in safety:** We ask deputy general managers and executives above at centers and production bases to investigate safety hazards and conduct emergency drills, safety activities, and safety training in their responsible business areas and advocate safety actions for executives.

**全员安全培训：**开展新员工、转岗员工、在岗员工、相关方人员安全培训；开展特种作业人员、特种设备操作人员、安全管理人员、主要负责人、分管安全负责人、消防控制室人员等持证上岗培训教育等。

**Conducting safety training for all:** We carry out safety training for new recruits, transferred employees, current employees, and relevant personnel and education for special operation personnel, special equipment operators, safety management personnel, general managers, employees in charge of safety, and fire control room personnel.

**应急预案演练：**开展无通知非计划消防演练 100 余次、应急预案演练 80 余次、应急骨干人员到当地消防大队实操培训 10 余次等。

**Conducting emergency drills:** More than 100 unannounced fire drills, more than 80 emergency drills, and more than 10 practical training sessions for emergency managers to local fire agencies have been carried out.

**安全意识宣传：**组织开展安全月、消防月、职业健康宣传周、6.5 环境日、节能宣传周、低碳日等各类特色安全教育活动。

**Promoting safety awareness:** We organize special safety education activities such as safety

month, fire safety month, occupational health publicity week, environment day celebration, energy conservation publicity week, and low-carbon day.



### 1.3. 提升服务品质 Service Quality

科顺始终秉承客户至上的理念，坚持以客户需求为中心、以价值创造为导向，保障客户权益，完善服务机制，持续优化客户体验。

Putting customers first, CKS makes it a priority to meet customer demands, creates values, protects customers' rights and interests, and improves service mechanisms to optimize customer experience.

#### 1.3.1. 保障客户权益 Customers' rights and interests

我们保护客户隐私安全，保障客户知情权，用心倾听客户声音，积极响应客户需求，切实保障客户权益。

We protect the privacy of customers, ensure their rights to be informed, listen and respond to their demands, and effectively protect their rights and interests.

##### ● 客户隐私保护 Customer privacy protection

我们严格遵守《中华人民共和国民法典》等涉及信息保护的法律法规，并制定了《客户信息保护规定》《经销商信息安全管理规定》等文件，不断完善信息安全管理规定。同时，在硬件、软件方面采取一系列有效措施，全方位保障客户信息安全，避免客户信息泄露。

In strict accordance with the *Civil Code of the People's Republic of China* and other information protection laws and regulations, we have formulated *Provisions on Customer Information Protection* and the *Dealer Information Management System* to improve our information security system. At the same time, effective measures are taken to improve our



hardware and software, which ensures thorough information protection and prevents customer information from being leaked.

● **保障客户知情权 Rights to be informed**

我们遵循《中华人民共和国广告法》、住房和城乡建设部发布的《建筑与市政工程防水通用规范》《房屋建筑和市政基础设施工程危及生产安全施工工艺、设备和材料淘汰目录(第一批)》等法律法规要求,在产品品牌的推广过程中,尽力向顾客提供完整、真实的信息,保障客户的知情权。

We comply with laws and regulations such as the *Advertising Law of the People's Republic of China*, the *General Code for Waterproofing of Building and Municipal Engineering* and the *Catalogue of Elimination of Construction Processes, Equipment and Materials for Housing Construction and Municipal Infrastructure Endangering Work Safety (First Batch)* issued by the Ministry of Housing and Urban-Rural Development, and provide customers with complete and authentic information in product and brand promotion to protect customers' right to be informed.

● **客户投诉解决 Resolution of complaints**

畅通沟通渠道: 设有 400 服务热线、公众号、小程序等各类反馈渠道,及时受理并跟进线上线下反馈的产品质量、物流服务、技术应用、市场秩序等方面的问题。

Facilitating communication: We have set up a 400-service hotline, a WeChat official account, and a mini program to receive feedback. We take complaints immediately and follow up feedback on product quality, logistics services, technology applications, and market rules collected through online and offline channels.

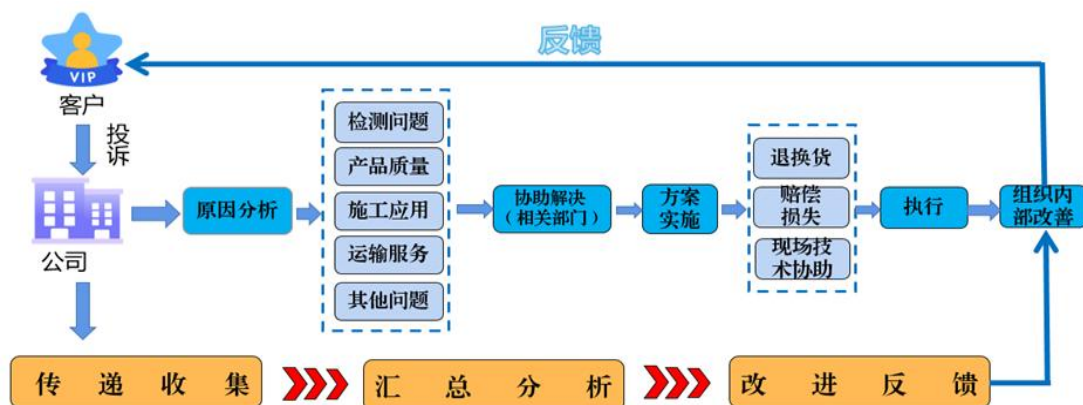
快速响应诉求: 制定并不断完善《客户投诉管理制度》,对各类投诉进行分类,明晰各部门权责范围,对接内容及处理时限,确立标准化的受理及解决流程;成立以质量负责人为首的质量安全事故应急处理小组,制定“快速报告、紧急处理、快速处置”重大质量事故应急处置方针,确立重大紧急质量事故 1 小时响应,8 小时处理完毕机制,缩短客诉处理时效,及时解决客户问题。

Taking swift responses: We have formulated and improved the *Customer Complaint Management System*, classify all complaints, clarify the scope of rights and responsibilities of each department, confirm the complaint and deadline, and standardize the process from receiving to addressing a complaint. A quality emergency response team headed by the quality manager is

established with a policy of "rapid reporting, urgent actions, and swift disposal" for major quality accidents. We have established a mechanism for major quality emergencies that requires responses within one hour and resolution within eight hours, thus shortening the time needed and solving customer problems in a timely manner.

诉后及时整改：建立起涵盖投诉处理、内部查证、问题整改的全流程客诉管理模式，在及时响应客户需求的基础上，内部自查，及时整改，不断提升产品及服务质量。

Ensuring timely rectification: We have established a full-process customer complaint management model covering complaint handling, internal investigation, and rectification. Apart from swift responses to customer needs, we continue to improve the quality of products and services by investigating and rectifying existing internal problems.



客户 Customers

投诉 Complaints

公司 The Company

原因分析 Cause analysis

检测问题 Problem detection

产品质量 Product quality

施工应用 Construction applications

运输服务 Transportation services

其他问题 Other issues

协助解决（相关部门） Assisted resolution (relevant departments)

方案实施 Plan Implementation

退换货 Product return and exchange

赔偿损失 Loss compensations

现场技术协助 On-site technical assistance

执行 Execution

组织内部改善 Internal improvement

传递收集 Collection

汇总分析 Analysis

改进反馈 Improvement and feedback

反馈 Feedback

#### 【关键数据】 Key Performance

- 因泄露客户隐私接获投诉数目 0 件
- 0 complaints of customer privacy leakage
- Top5 产品客诉率下降 30%
- A decrease of 30% in customer complaints for Top5 products
- 客户投诉处理满意度达 80%以上
- 80% + satisfaction rate for customer complaint handling
- 相关产生费用约 250 万元
- The related expenses are about 2.5 million yuan

### 1.3.2. 优化服务体验 Customer experience

我们从顾客期望出发，以科顺价值观“与长期同行者共创共享”为旗，以“贴心服务、客户至上、人性关情”为基，建立信息化管理系统，改善客户关系管理，不断提升服务效率，定期从多维度开展顾客满意度调查，根据调查分析结果持续优化客户服务体验。

We have established an information management system based on customer expectations, CKS's value of "Work for shared benefits with our partners" and the principle of "good service, customer first, humanistic care." We also improve customer relationship management, improve service efficiency, and conduct regular customer satisfaction surveys from multiple dimensions, whose results help us optimize customer experience.

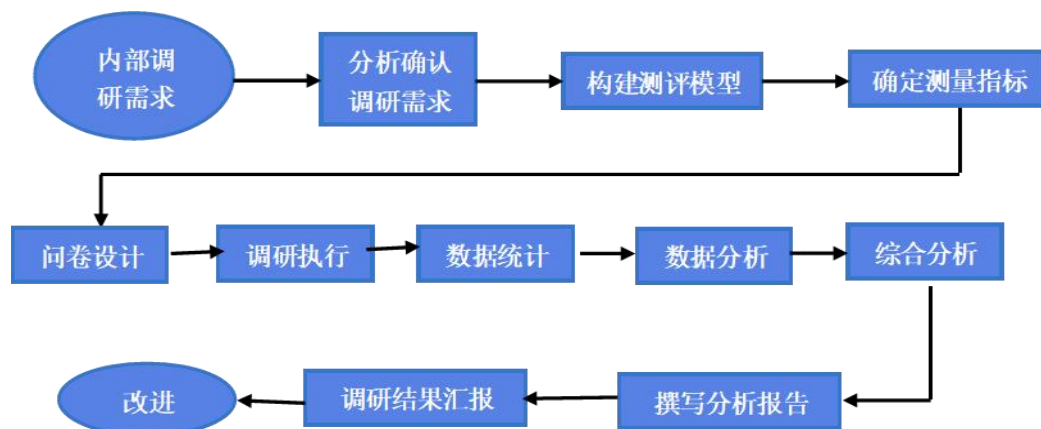
客户关系管理：建立 CRM 客户关系管理系统，对客户及项目备案、跟踪、报价、合同、

订单和回款全过程管理，对销售活动实时跟踪/互动并贯穿售前、售中、售后各环节；通过 DMS 管理系统，以客户为基础、以订单为核心，外协内控，改善订单管理及售后服务管理流程，实现客户自主下单，提高服务效率，加快订单交付；增加售后对接渠道，提升售后服务。

**Managing customer relationship:** We establish a customer relationship management (CRM) system, manage the whole process of customer and project filing, tracking, quotation, contract, order, and payment collection, and monitor real-time activities before, during, and after sales. The document management system (DMS), centering on customer and order information and supported by external collaboration and internal control, improves order and after-sales service management. It enables customers to order products conveniently, improves service efficiency, and speeds up delivery. We also improve after-sales channels and after-sales management.

**客户满意度管理:** 建立顾客满意度及忠诚度测量模型，制定《顾客满意度调查管理制度》，定期从品牌形象、产品性能、服务能力、投诉处理、综合能力等维度开展顾客满意度调查。根据满意度调查统计分析结果，定期组织内部评审，由生产、品管、供应链、业务等部门组成专项改善小组，从企业自身资源、能力、实施难度等进行探讨，制定改进措施，并付诸实施，持续优化服务体验。

**Managing customer satisfaction:** We have established a model measuring customer satisfaction and loyalty and formulated the *Management System of Customer Satisfaction Surveys*. Regular customer satisfaction surveys are carried out, covering brand image, product performance, services, complaint handling, and comprehensive ability. Based on statistical analyses of satisfaction surveys, we organize internal reviews and special improvement teams consisting of employees of production, quality control, supply chain, and business departments, analyze the Company's resources, capabilities, and execution difficulties, and draft improvement measures to optimize customer experience.



内部调研需求 Internal demand research

分析确认调研需求 Analysis and confirmation of demand

构建测评模型 Building of an assessment model

确定测量指标 Indicator determination

问卷设计 Questionnaire design

调研执行 Research execution

数据统计 Data collection

数据分析 Data analysis

综合分析 Comprehensive analysis

撰写分析报告 Report writing

调研结果汇报 Result reporting

改进 Improvements

#### 【案例】不断优化服务细节，提供极致贴心服务

一直以来，科顺秉承“贴心服务，就是多做一点”的理念，不断优化服务细节，为客户排忧解难，让客户更舒心。河南暴雨，“逆行”赶往客户老家，探望他挂念的母亲，送上科顺的慰问和客户的牵挂；在一线市场，防水涂料发货到经销商门店，业务员帮忙送货上门，搭手卸货、堆垛、清洁，让店面保持整洁清爽；在施工现场，施工员铺设卷材，仔细检查搭接边情况，保持施工现场整洁，甚至会清理卷材上灰扑扑的脚印，及时向业主汇报项目情况，让业主放心、安心；在经销商大会中，接待员为客户准备贴心的接机和送机服务，提醒客户注意出行天气和安全事宜，迎合各地客户口味，准备好招待晚宴，为客户准备当地特产小礼包。

通过一系列真心服务，让服务科顺，时刻在客户身边。

### 【Case】Improving details to provide the best services

Committed to the concept of "one step further for good services", CKS improves service details and solves customers' problems to make them feel comfortable. During the torrential rainfall in Henan Province in 2021, we acted in harm's way by visiting the mother of a worried customer and expressing our care and concerns of the customer. In the first-tier market, our salesmen often deliver waterproof coating to dealer stores where they assist in unloading, stacking, and cleaning to keep stores tidy. At construction sites, constructors lay rolls and check roll joints while maintaining the tidiness of construction sites, even removing dusty footprints from rolls. They report project situations to the owner to keep them reassured. In the dealer conference, receptionists organize pick-up and drop-off services for customers, send them weather and safety reminders, and prepare banquets that cater to the tastes of customers coming from different places and local souvenirs. Such whole-hearted services meet the needs of customers all the time.



### 【案例】开展“科顺家庭日”活动，搭建客户和谐交流平台

2022年8月，科顺股份联合广西经销商客户举办VIP客户专场家庭亲子活动，邀请广西当地合作伙伴及其家属参与“科顺家庭日”活动，在活动现场，科顺股份对合作伙伴们一直以来的大力支持表达了感谢，同时科顺为合作伙伴们精心筹备互动游戏、亲子活动、自助餐食、篝火晚会、庆生宴、烟花秀、乐队表演等活动，让客户及其亲友尽情参与其中，在夏日狂欢中共度美好时光。通过举办这样的活动，我们将“服务科顺”的理念融入客户心中，期待能与客户实现利益共创、价值共享，打造行业领先的客户服务平台。

### 【Case】"CKS Family Day" sets a platform for exchanges with customers

In August 2022, CKS, together with dealers in Guangxi held a special family event for VIP

customers, attracting local partners and their families. CKS expressed gratitude to partners for their strong support during the event where interactive games, parent-child activities, buffets, bonfire parties, birthday parties, fireworks shows, and band performances were arranged. These activities fully engaged our customers and their families in their summer quality time. They also helped us promote the services of CKS among customers for joint contributions and shared benefits in an industry-leading customer service platform.



#### 1.4. 守护美好建筑 Excellent Buildings

2022 年，科顺凭借专业的技术，高质的产品、高效的服务，参与众多知名工程的建设，不断朝着“与人类美好建筑共百年”的企业愿景前进。

CKS contributed to the building of well-known projects with our technological expertise, high-quality products, and efficient services, moving towards the corporate vision of "developing time-honored buildings for mankind."

- **中国锦屏地下实验室 China Jinping Underground Laboratory**

中国首个极深地下实验室，也是目前世界最深的地下实验室，锦屏地下实验室垂直岩石覆盖达 2400 米，是世界岩石覆盖最深的实验室。它的建成标志着中国已经拥有了世界一流的洁净的低辐射研究平台，能够自主开展像暗物质探测这样的国际最前沿的基础研究课题。

Jinping Underground Laboratory, China's first underground laboratory in huge depth and the world's deepest one, boasts a vertical rock depth of 2,400 meters, the largest in the world. Its completion indicates that China owns a world-class research platform that features cleanness and low radiation and is suitable for independent cutting-edge research on dark matter detection.

所使用的科顺产品：科顺定制排水板类材料 CKS products used: CKS customized

drainage boards



● 和若铁路 Hotan-Ruoqiang Railway

世界首条环沙漠铁路，西起新疆和田地区和田市，东至巴音郭楞蒙古自治州若羌县，全长 825 公里，设计时速 120 公里，为国家 I 级单线铁路。铁路地处世界第二大流动性沙漠——塔克拉玛干沙漠南缘，有 534 公里分布在风沙区域，占线路总长 65%，是一条典型的沙漠铁路。

所使用的科顺产品：科顺高聚物改性沥青防水卷材、铁路桥用聚氨酯防水涂料

Hotan-Ruoqiang Railway, the world's first desert-circling railway connecting Hotan City in western Xinjiang to Ruoqiang in the Bayingolin Mongol autonomous prefecture in the east, stretches for 825 kilometers at a designed speed of 120 kilometers per hour. It is a national Class I single-track railway. Located on the southern edge of the Taklimakan Desert, the second largest drifting desert in the world, the Railway has 534 kilometers in the windblown sand area, accounting for 65% of the total length, making a typical desert railway.

CKS products used: CKS high polymer modified asphalt waterproofing roll, polyurethane waterproof coating for railway bridges





● **北京城市副中心站综合交通枢纽 Beijing Sub-city Center Comprehensive Transportation Hub**

位于北京市通州区潞城镇杨坨村，是亚洲最大 TOD 项目，“轨道上的京津冀”的重要支点。它连接 M6 线、平谷线、M101 线三条轨道交通线路和京唐铁路、城际联络线两条铁路线路，成为亚洲最大的地下综合交通枢纽，也是北京市继大兴国际机场后又一个大型交通基础设施工程。

所使用的科顺产品：科顺 APF-D110 预铺式丁基自粘防水卷材

It is the largest transit-oriented development (TOD) project in Asia in Yangtuo Village, Lucheng Town, Tongzhou District, Beijing, and an important point in the project of “connecting Beijing, Tianjin, and Hebei through railway”. It connects the three rail transit lines of M6 Line, Pinggu Line, and M101 Line and the two railway lines of Beijing-Tangshan Railway and Intercity Link, becoming the largest underground transportation hub in Asia and another large-scale transportation infrastructure project in Beijing after the Beijing Daxing International Airport.

CKS products used: CKS APF-D110 pre-applied butyl self-adhesive waterproofing rolls



● **厦门新会展中心 Xiamen New Convention and Exhibition Center**

位于厦门东部体育会展新城的沿海核心地带，凭海临风，坐望鹭岛，是集展览、会议、酒店、休闲等多功能为一体的复合型会展综合体。总建筑面积 23.11 万平方米，建筑外观采用双脊双曲波浪形双层金属屋面，极具闽南风格。作为中国“一带一路”倡议门户的重大项目，将成为厦门沟通世界的重要窗口。

所使用的科顺产品：科顺热塑性聚烯烃（TPO）防水卷材

Located in the coastal core area of the Eastern Sports and Exhibition New City, Xiamen New Convention and Exhibition Center commands a fine view of Xiamen, integrating exhibition, conference, hotel, leisure, and other functions. Covering an area of 231,100 square meters, the building has a Hokkien-styled wavy double-layer metal roof. As an important project in China's Belt and Road Initiative, it will become an important window for Xiamen to communicate with the world.

CKS products used: CKS thermoplastic polyolefin (TPO) waterproof rolls



● **青岛·上合之珠国际博览中心 Qingdao·SCO Pearl International Expo Center**

建筑面积 16.88 万平方米，由综合馆、上合元素文化展示区、多功能馆、中心广场四部分组成，集展、商、旅、文于一体，打造出了上合组织国家多元商业业态互动融合、一站式文化体验的综合新空间。

所使用的科顺产品：科顺热塑性聚烯烃（TPO）防水卷材

Covering an area of 168,800 square meters, the Center consists of four parts: a comprehensive hall, a cultural exhibition area featuring SCO elements, a multi-functional hall, and a central square. It integrates exhibition, business, tourism, and culture and creates a comprehensive new space for the interaction of diverse business formats and one-stop cultural experiences among SCO countries.

CKS products used: CKS thermoplastic polyolefin (TPO) waterproof rolls



● **丽江三义国际机场 Lijiang Sanyi International Airport**

抗震烈度 8 级机场，位于云南省丽江市古城区七河乡与大理白族自治州鹤庆县交界处，距离市中心 28 千米，为 4D 级民用国际机场，是云南第二大航空港、云南区域性旅游枢纽机场。

Able to resist magnitude 8 earthquakes, Lijiang Sanyi International Airport is located at the junction of Qihe Township, Gucheng District, Lijiang City and Heqing County, Dali Bai Autonomous Prefecture, Yunnan Province, 28 kilometers away from the city center. It is a 4D civil international airport, the second largest airport in Yunnan, and a regional tourist hub airport in Yunnan.

所使用的科顺产品：丰泽股份叠层橡胶支座和阻尼器、科顺高聚物改性沥青防水卷材

CKS products used: Fengze laminated rubber bearings and dampers and CKS high polymer modified asphalt waterproofing rolls



## 【匠心·科顺】匠心筑就精品，老工匠与新发展

### 【CKS Craftsmanship】Excellent products developed by senior craftsmen in a new era of development

质量是企业生存的根本，对于科顺人而言，质量不仅仅是产品、施工的质量，也包括专注于自身岗位，不断学习，持续改进，把每一件事做到最好的精神。

The survival of a company hinges on its quality. For CKS employees, quality is built into our products and construction. It is also about employees focusing on their responsibilities and continuously improving themselves to be the best.

王心陈老师傅，德州生产基地同事们口中的“老王”，18年前，老王加入科顺。在华口老厂，老王从最普通的配料工做起，主动跟着老师傅们学习工艺规程、工艺标准、设备操作、产品物料等知识。短短两年间，便积累起丰富的生产经验。

Mr. Wang Xinchun works in the Dezhou production base. He joined CKS 18 years ago. At the previous factory in Huakou, Mr. Wang started as an ordinary batching worker, but he learned from senior employees about processes, standards, equipment operation, and raw materials, mastering abundant production know-how within just two years.

随后，他先后被调至北京大兴工厂、平谷工厂、昆山工厂工作，逐步成长为一名优秀的生产骨干，逐步承担起生产统筹的重任，开始培养技工、改造设备、进行一系列技改，在质量稳定的基础上，带领大家不断进行生产优化，改良配料工艺。德州二期试产期间，在老王的带领下，每条产线从试产到量产，只用了一天时间，创造了科顺试产新纪录。

Later, he was reappointed to Beijing Daxing factory, Pinggu factory, and Kunshan factory, gradually becoming a key production manager coordinating production tasks. He also started to train technicians and upgrade equipment and technologies. As quality stabilized, he guided his colleagues to optimize production and preparation processes. During the second phase of trial production in Dezhou, with the help of Mr. Wang, each production line took only one day from trial production to mass production, a new record for CKS.

“随风潜入夜，润物细无声”，老王用18年的不懈努力与坚守奋斗，朴实无华地诠释着科顺人的质量精神，践行和坚守着科顺股份的质量承诺。

Mr. Wang keeps a low profile but makes a big difference. Through his unremitting efforts in the last 18 years, Mr. Wang is the epitome of the CKS quality spirit and quality commitment.



## 2. 守护家园——助力“双碳”目标 Safeguarding the Earth – Contributions to China's 30 · 60 Decarbonization Goal

科顺秉承“营造绿色环境，守护企业长青”的管理方针，积极响应国家“双碳”战略，建立健全环境管理制度，落实低碳生产、环境保护等举措，通过专业技术优势提高资源利用效率，实现节能降耗，共创绿色和谐生态。

Adhering to the management policy of "creating a green environment and supporting sustainable development", CKS answers China's 30 · 60 decarbonization strategy by establishing and improving the environmental management system and implementing low-carbon production and environmental protection measures. We improve resource efficiency and reduce energy consumption through our technical expertise for a green and harmonious ecology.

### 响应联合国可持续发展目标 Contributions to UN SDGs



#### 【关键绩效】 Key Performance

- 环安责任书签订率为 100%
- 100% signing of environmental safety responsibility letters
- 废水、废气排放达标率 100%
- 100% compliance with wastewater and waste gas discharge standards
- 固废合规处置率 100%
- 100% compliance with solid waste disposal

### 2.1. 开展环境管理 Environmental Management

科顺始终坚持可持续发展战略，践行健康环保理念，遵循法律法规要求，积极制定及完善污染防治办法，提升环境管理效率，全链条打造绿色生产流程，促进人与自然和谐共处。

Committed to the strategy of sustainable development, we translate the concept of health and

environmental protection into actions, comply with laws and regulations, and improve pollution prevention and control methods. Our environmental management efficiency is enhanced with a whole process of green production to promote the harmonious coexistence between human beings and nature.

### 2.1.1. 环境合规管理 Environmental compliance

合规的环境管理机制是落实环境管理工作的基本保障。公司严格执行国家和地方性环保法律法规要求，包括《中华人民共和国环境保护法》《中华人民共和国环境影响评价法》《中华人民共和国大气污染防治法》《中华人民共和国固体废物污染环境防治法》等，定期排查环境合规风险，持续改进环境合规。

The compliant environmental management mechanism is the basis for the implementation of environmental management. The Company strictly implements the requirements of national and local environmental protection laws and regulations, including the *Environmental Protection Law*, *Law on Environmental Impact Appraisal*, *Law on the Pollution Prevention and Control of Atmospheric Pollution*, and *Law on the Prevention and Control of Environmental Pollution by Solid Wastes*, regularly investigates environmental compliance risks and continuously improves environmental compliance.

同时，公司遵循环保要求，制定了一系列内部环保规章制度，包括《排污许可证管理制度》《固体废物管理制度》《VOCs 在线监测系统运行维护管理制度》《环保设施设备管理制度》《环保设施设备运行管理制度》《环境隐患排查与治理制度》《环保培训教育制度》等，加强环境治理力度。

At the same time, guided by environmental protection requirements, we have formulated internal environmental protection rules and regulations, including the *Pollution Discharge Permit Management System*, *Regulations on Solid Waste Management*, *Operation and Maintenance Management of the VOCs Online Monitoring System*, *Regulations on Management of Environmental Equipment*, *Regulations on Operation and Management of Environmental Equipment*, *Regulations on Investigation and Handling of Potential Environmental Hazards*, and *Regulations on Environmental Training and Education* to strengthen environmental governance.

2022 年，公司环境管理体系达到管理方针、目标和预期结果，已通过 ISO 14001 环境



管理体系认证，生产原材料、工艺、产品使用等环节均符合环境保护标准和法规要求。

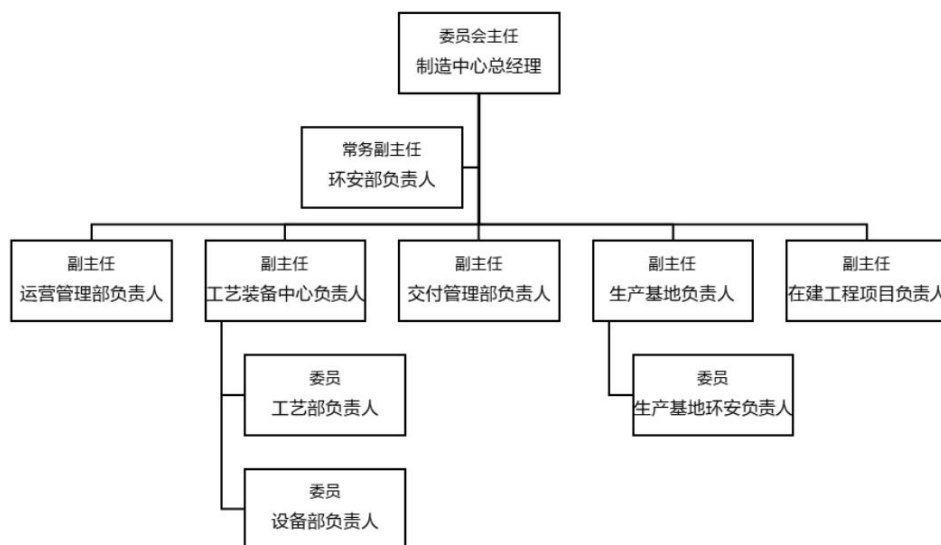
In 2022, the Company's environmental management system lived up to our management goals and expectations and passed the ISO 14001 environmental management system certification. The production of raw materials, processes, and product use met environmental protection standards and regulatory requirements.

**【关键数据】 Key Performance**

- 环安责任书签订率为 100%
- 100% signing of environmental safety responsibility letters
- 班组长、新入厂及转岗员工培训完成率 100%
- 100% completion of training for team leaders, new factory recruits, and reappointed employees
- 特种作业人员持证上岗率 100%
- 100% certificate possession of special operators



环境管理体系认证证书 Environmental management system certification



环境管理体系组织架构 Organizational structure of the environmental management system

### 2.1.2. 环境风险管理 Environmental risk control

为增强环境风险管控能力，公司全面落实环保监测，对重要环境因素加以控制和管理，对污染物开展自行监测和委外监测，积极开展 LADR 泄漏检测与修复，防止 VOCs 无组织排放。

To improve our environmental risk control, the Company implements full environmental monitoring and manages important environmental factors. We monitor pollutants by ourselves and appointed external players and carry out leak detection and repair (LDAR) to prevent unchecked emissions of VOCs.

公司制定安全风险分级管控和隐患排查治理“双重”预防机制建设，开展风险评价、分级、编制风险四色图、制定管控措施，组织员工培训，开展隐患排查整改并进行公示。2022 年，高明、重庆、德州、鞍山、南通、荆门、渭南生产基地完成“双重”预防机制建设。

We have established a dual prevention mechanism for hierarchical safety risk control and hidden hazard investigation, assessed and classified risks into four colors with corresponding control measures. We also organize employee training, and investigate and rectify potential hazards before announcing the results. In 2022, the Gaoming, Chongqing, Dezhou, Anshan, Nantong, Jingmen, and Weinan production bases established their dual prevention mechanisms.

**【关键数据】 Key Performance**

- 环境污染事故 0 起
- 0 environmental pollution accidents
- 隐患整改完成率 100%
- 100% hidden hazard rectification
- 特种设备（含安全附件）、压力管道、防雷防静电、可燃有毒气体检测报警系统定期检测率 100%
- 100% regular detection of special equipment (including safety accessories), pressure pipelines, lightning and ESD protection devices, and flammable and toxic gas alarm systems

**2.1.3. 环境应急管理 Environmental emergency management**

为实现对自然灾害、火灾爆炸、有毒气体泄漏等突发事件的有效管控，公司各生产基地应急组织机构完善综合应急预案，层层细化分解，各班组根据专项应急预案进行培训及演练，提升整体环境应急管理水平。

To effectively prevent natural disasters, fires, explosions, toxic gas leaks, and other emergencies, the emergency body of each production base has improved the comprehensive and detailed emergency plan. Each team conducts training and drills according to the special emergency plan to improve overall environmental emergency management.

**【关键数据】 Key Performance**

- 无通知非计划消防演练 100 余次
- 应急预案演练 80 余次
- 应急骨干人员到当地消防大队实地操作培训 10 余次
- More than 100 unannounced fire drills
- More than 80 emergency plan drills
- More than 10 on-site training sessions for emergency key personnel at the local fire department

## 2.2. 推进节能减排 Energy Conservation and Emission Reduction

为应对气候变化及国家“双碳”目标的要求，公司持续强化能源管理效能，全面落实低碳系统基地打造，加强废气、水资源、废弃物、噪音等排放管理，最大程度降低生产过程对于环境造成的污染，进一步实现降碳减排。

In response to climate change and China's 30 · 60 Decarbonization Goal, the Company continues to improve energy efficiency, build low-carbon system bases, and govern the release of waste gas, water resources, waste, and noise to minimize environmental pollution generated in the production process and further reduce carbon emission.

### 2.2.1. 能效管理 Energy efficiency management

我们制定并严格执行《节能管理制度》及能源体系程序文件，科学开展能源管理工作，搭建能源管理系统，实时监控天然气、电力、柴油、外购蒸汽能源等消耗量，持续推动能源管理体系认证工作，提升能源管理体系化、制度化和信息化水平。

We formulate and strictly implement the *Energy Conservation Management System* and energy system procedure documents, maintain science-based energy management, and build an energy management system. We also monitor the consumption of natural gas, electricity, diesel, and purchased steam in real time, advance energy management system certification, and make the energy management system more systematic, standardized and IT-based.

2022 年，公司下设荆门、南通、渭南、重庆基地顺利通过能源管理体系认证，已实现八大基地通过能源管理体系认证，赋能必赢之仗·打造绿色低碳制造系统。

In 2022, the Company's bases in Jingmen, Nantong, Weinan, and Chongqing passed the energy management system certification. In total, eight bases have passed such certifications, contributing to building a green and low-carbon manufacturing system, which must be achieved.



荆门基地能源管理体系认证证书

Jingmen base energy management system certification



渭南基地能源管理体系认证证书

Weinan base energy management system certification

**【关键数据】Key Performance**

- 生产营运过程中使用的柴油量：285.078 吨
- Diesel used in production and operation: 285.078 tons

- 生产营运过程中使用天然气总量：1498.91 万立方米
- Total natural gas used in production and operation: 14.9891 million m<sup>3</sup>
- 生产营运过程中用电总量：8584.368 万千瓦时
- Total electricity consumption in production and operation: 85,843.68 MWh
- 生产营运过程中使用外购蒸汽总量：3405.24 吨
- Total purchased steam consumed by production and operation: 3405.24 tons
- 万元产值综合能耗：0.05790 tce/万元，同比下降 12.64%
- Comprehensive energy consumption per RMB 10,000 of output: 0.05790 tce/RMB 10,000, down by 12.64% year-on-year
- 碳排放减少 1.5 万吨，同比下降 12.06%
- Carbon emissions down by 15,000 tons, or a year-on-year decrease of 12.06%

### 2.2.2. 温室气体排放管理 Management of GHG emissions

日趋严重的极端天气及地球生态系统的连锁反应，使得缓解气候变化迫在眉睫，我们持续在减少温室气体排放上积极行动，为削减社会范围内的碳排放贡献力量，积极助力国家顺利达成“碳中和”及“碳达峰”目标。

Increasing extreme weather conditions and ecological ripple effects make climate change mitigation an imperative issue. We continue to take actions to reduce greenhouse gas emissions and contribute to the reduction of carbon emissions for the goals of "carbon neutrality" and "carbon peaking".

公司积极开展节能减排技术推广应用，包括开展导热油余热回收利用，全年实现节能 500tce；开展蒸汽锅炉排烟管余热利用、沥青卷材产线围蔽改造、沥青卷材产线涂油池加热三辊自控改造、淘汰高耗能落后机电设备等行动，实现节能降耗，降低温室气体排放量。

The Company promotes the application of energy-saving and emission-reduction technologies, including the recovery of waste heat of the heat transfer fluid, saving 500tce of energy in 2022. Other similar actions include waste heat utilization of steam boiler exhaust pipe, closed-off transformation of asphalt roll production lines, automatic control transformation of the three heating rollers of oil pools of asphalt coil production lines, and the elimination of

energy-intensive outdated mechanical and electrical equipment to save energy and reduce greenhouse gas emissions.

2022 年，公司在能耗、二氧化碳排放的强度目标分别为比 2021 年下降 5%、6%；2022 年我们的实际万元产值能耗、二氧化碳排放较 2021 年分别下降 12.64%、12.06%，已圆满完成目标任务。

In 2022, the Company's energy consumption and carbon intensity reduced by 5% and 6% respectively from 2021. In 2022, our actual energy consumption and carbon dioxide emissions per RMB 10,000 of output decreased by 12.64% and 12.06% respectively from 2021, meeting the targets that we set.

**【关键数据】 Key Performance**

- 温室气体排放总量：88988.02 吨二氧化碳当量，同比下降 6%，
- Total GHG emissions: 88,988.02 tCO<sub>2</sub>e, down by 6% year-on-year
- 范畴一温室气体排放量：33305.84 吨二氧化碳当量
- Scope 1 GHG emissions: 33,305.84 tCO<sub>2</sub>e
- 范畴二温室气体排放量：55682.18 吨二氧化碳当量
- Scope 2 GHG emissions: 55,682.18 tCO<sub>2</sub>e

**2.2.3. 其他排放物管理 Other pollution management**

我们持续落实排放物管理工作，通过控制废气、废水、废弃物、噪声排放量，减少废弃物排放，提高资源与能源利用水平，维护生态平衡。

We continue to implement pollution management by controlling the amount of exhaust, wastewater, solid waste, and noise and improving resource and energy efficiency to maintain ecological balance.

● **废气管理 Exhaust management**

编制自行监测方案并组织实施。按照排污许可证规定的点位、污染物种类、测定方法、频次等开展自行监测，由符合资质的第三方检测单位对厂界废气、排污口废气开展监测，保存原始监测记录，向排污许可证审批部门提交排污许可证执行报告，如实报告污染物排放行为、排放浓度、排放量等，确保合法合规。

We formulate and implement self-monitoring plans. Self-monitoring is carried out according

to locations, types of pollutants, measurement methods, and frequencies specified in the pollution discharge permit. A qualified third-party testing agency monitors waste gas at discharge outlets and within the factory boundary, keeps the original records, and submits a discharge permit implementation report to the authorities. The report will include the discharge behavior, emission concentration, and discharge volume to ensure compliance.

**废气自动监测设备。**实施排污许可重点管理的排污生产基地废气排口安装在线监测设备，对非甲烷总烃、二氧化硫和氮氧化物、COD、NH<sub>3</sub>-N、SS、BOD<sub>5</sub> 在线监测，确保实时达标排放。

**Automatic exhaust monitoring equipment:** We install online monitoring equipment at the exhaust outlet of the production base listed as a key management target in pollution discharge permits, and monitor non-methane hydrocarbons, sulfur dioxide, nitrogen oxides, COD, NH<sub>3</sub>-N, SS, BOD<sub>5</sub> online to ensure real-time compliance with standards.

**RTO 废气处理环保设备。**高明、渭南、重庆、南通、三明、德州基地使用先进的 RTO 环保设备更换脱油塔+气液分离+光催化、冷凝+二级碱喷淋+光催化氧化等废气处理设备，确保废气达标排放。

**RTO exhaust treatment eco-facilities:** Gaoming, Weinan, Chongqing, Nantong, Sanming, and Dezhou bases adopt advanced RTO eco-facilities to replace equipment for deoiling, gas-liquid separation, and photocatalysis, and for condensation, two-level alkali spraying, photocatalytic oxidation to ensure that exhaust meets discharge standards.

**【关键数据】 Key Performance**

- 氮氧化物排放量：9.065 吨
- 9.065 tons of emissions of nitrogen oxide
- 二氧化硫排放量：1.058 吨
- 1.058 tons of emissions of sulfur dioxide
- 颗粒物排放量：15.932 吨
- 15.932 tons of emissions of particulate matters
- 挥发性有机物排放量：14.733 吨
- 14.733 tons of emissions of volatile organic compound (VOC)
- 非甲烷总烃排放量：17.045 吨



➤ 17.045 tons of emissions of non-methane hydrocarbon (NMHC)

● **水资源管理 Water management**

**加强水资源循环利用。**我们通过蒸汽冷凝水回收，利用“中水”，实现水资源重复利用；补充完善水表加强水资源使用监控；供水管网定期检测漏损；树立员工节水意识，开展水资源警示教育等措施及行动减少水资源浪费。

**Strengthening water recycling:** We recycle condensate water and reclaimed water and strengthen the monitoring of water use through improved water meters. We also regularly detect leakage in the water supply network and heighten employees' awareness of water conservation through water use education and other measures to reduce water waste.

**工业废水处理。**实施排污许可重点管理的排污生产基地在废水排口安装在线检测设备，废水将通过污水管道流入污水处理站，改善污泥脱水装置，减少污泥产生量，通过多重工序处理，在达到三级排放标准后，排入市政污水管网。

**Treating industrial wastewater:** We install online testing equipment at the wastewater outlet of the production base listed as a key management target under the wastewater discharge permit. Wastewater flows into the sewage treatment station through the sewage pipeline and sludge dehydration devices are improved to reduce the amount of sludge. Wastewater is discharged into the municipal sewage pipeline once the three-level discharge standard is met after multiple processes.

**办公废水处理。**办公生活废水处理通过化粪池、厌氧、好氧、沉淀四道工序，最终实现达标排放。

**Treating office wastewater:** Office wastewater meets discharge standards through septic tank treatment, anaerobic and aerobic treatment, and precipitation.

**【关键数据】 Key Performance**

- 工业废水排放量 28151 吨
- 28,151 tons of discharge of industrial wastewater
- 办公生活废水排放量 34059 吨
- 34,059 tons of discharge of office and domestic wastewater
- 化学需氧量排放量 1.985 吨

- 1.985 tons of emissions of chemical oxygen demand
- 氨氮排放量 0.172 吨
- 0.172 tons of emissions of ammonia nitrogen

● **废弃物管理 Waste management**

针对有害废弃物，利用危废鉴别、采用无毒无害原材料、危废综合利用、提高污染防治水平、优化废水处理工艺、环保设备设施等进行管控。2022 年，公司生产运营所产生的总危废量较 2021 年减少约 303.5 吨，危废减量 20%。

We identify and ensure the comprehensive use of hazardous waste, adopt harmless raw materials, and improve pollution prevention and control. We also optimize wastewater treatment processes and manage environmental protection facilities. In 2022, the Company reduced hazardous waste generated in production and operation by about 303.5 tons, or 20%, from 2021.

针对无害废弃物，严控原料储存和使用，减少废弃物增长，主要包括采购的化学品包装规格小型化，减少过期化学品产生处置量；优化生产工艺技术，减少不合格品产出。公司按照国家及地方法律法规，委托资质单位进行回收，一般废弃物、生活垃圾、绿化垃圾、餐厨垃圾等由园区环卫部门统一清运。

We strictly control the storage and use of raw materials to reduce non-hazardous waste, adopt smaller packages of purchased chemicals, and reduce the amount of expired chemicals. We optimize production techniques and cut non-conforming products. In accordance with China's laws and regulations, the Company appoints a qualified unit to recycle non-hazardous waste, while general waste, household waste, greening waste, and kitchen waste are disposed of by the designated sanitation agency.

**【关键数据】 Key Performance**

- 有害废弃物产生总量 1209.98 吨
- 1,209.98 tons of hazardous waste generated
- 有害废弃物处理量 1208.925 吨
- 1,208.925 tons of hazardous waste treated
- 无害废弃物产生总量 3013.752 吨
- 3,013.752 tons of non-hazardous waste generated

- 无害废弃物处理量 3013.752 吨
- 3,013.752 tons of non-hazardous waste treated

#### ● 噪声管理 Noise management

公司采取优先选用低噪声设备，从源头降低噪音；风机设备布置在厂房外围，采用减振并增加隔音罩；将空压机高噪音设备集中，并采取相隔声、吸声、消声、减振等控制措施；噪音与振动较大的机泵类安装在厂房底层，并采取有效的隔声和减振措施等，最大程度减少噪音污染。

The Company prefers low-noise equipment to reduce noise from the source. Ventilation equipment is installed at the periphery of factories with vibration reduction and sound insulation devices. We put together high-noise equipment such as air compressors with sound insulation, sound absorption, sound attenuation, and vibration reduction measures. Pumps that generate significant noise and vibration are installed at the ground floor of factories with effective sound insulation and vibration reduction measures to minimize noise pollution.

### 2.3. 拓宽环保业态 Environmental Protection Business

为实现客户产品体验与社会环境效益的统一，科顺始终致力于环保产品的创新研发，并积极拓宽产品业态，运用绿色清洁技术治理环境问题，为国家能源转型升级提供有力支持。

To achieve both customer experience and social and environmental benefits, CKS has always been committed to the innovation and R&D of eco-friendly products while expanding our product line. We apply green and clean technologies to address environmental issues and lend strong support for China's energy transition.

#### 2.3.1. 绿色工厂 Green factories

绿色工厂是实现绿色制造的核心支撑，我们加强环保投入，更新技术工艺，开展绿色工厂认证，强化包装材料管理，提升绿色产品的打造能力。

Green factories are at the core of green manufacturing, so we strengthen environmental protection input, update technical processes, and seek green factory certification. The Company

also strengthens packaging material management and improves the manufacturing of green products.

开展绿色工厂认证。公司下设鞍山、重庆、德州、荆门、渭南基地均已通过绿色工厂认证。

Green plant certification: The Company's Anshan, Chongqing, Dezhou, Jingmen, and Weinan production bases have passed the green plant certification.

加强包装材料管理。公司将包装与可持续发展和环境保护有机结合，使用可降解材质、可回收材质，做到包装减量化、无伤害性、可重复性使用、回收利用，对于无法回收利用的选择第三方有资质公司回收处置，2022 年包装物回收处置较 2021 年减少约 80 吨。

Management of packaging materials: We ensure that our packaging materials suit the purpose of sustainable development and environmental protection and adopt degradable and recyclable materials. In this way, we reduce the amount and negative effects of packages and recycle them. A qualified third party is entrusted to handle packages that cannot be recycled. In 2022, we reduced about 80 tons of packaging from 2021.

**【关键数据】 Key Performance**



- 完成包装物系统性审查 105 项
- 105 systematic reviews of packaging
- 包装物合规性问题 0 发生
- 0 packaging compliance problem

**2.3.2. 绿色产品 Green products**

我们不断推进技术创新，加强绿色产品研发，为防水行业提供更加安全可靠的环保型防水材料；同时，我们积极响应国家海绵城市建设号召，助力国家清洁能源发展，拓宽项目工程领域，注重环境效益。

We continue to advance innovation and R&D of green products to provide safer and more reliable eco-friendly waterproof materials for the waterproof industry. Meanwhile, we respond to the call for Sponge City Construction Project in China, support China's clean energy development, broaden the scope of project engineering, and focus on environmental benefits.

● **绿色材料 Green materials**

<b>环保新材 Eco-friendly new materials</b>	
<p><b>KS-521 非沥青非固化改性橡胶防水涂料</b></p> <p>由特种橡胶和树脂、各种高分子弹性体和特种添加剂制成的红色“非沥青基”防水涂料，产品不添加沥青，性能稳定、防水可靠，是一款新型单组分环保型防水材料。可解决沥青类非固化与高分子防水卷材复合极性不相容的问题，材料蠕变性能够填充和修复基层的毛细孔和裂缝，解决防水层的窜水难题。</p> <p><b>KS-521 non-asphalt-based and non-curing modified rubber waterproof coating</b></p> <p>The red non-asphalt-based waterproof coating made of special rubber and resin, various polymer elastomers, and special additives features stable performance and waterproof reliability. It is a new one-component eco-friendly waterproof material able to solve incompatibility occurring in non-asphalt-based and non-curing polymer waterproof rolls and the creep of materials can fill and repair the pores and cracks of the base layer, solving the problem of water penetration in the waterproof layer.</p>	
<p><b>KS-969 饮用水专用单组分聚氨酯防水涂料</b></p> <p>是一款专门针对长期浸水工程开发的专用防水涂料产品，通过施工后与空气中的湿气接触，触发体系内封闭固化剂，从而固化成膜，属于高环保的无溶剂型聚氨酯防水涂料。产品不含“三苯”等有害溶剂，一定程度上能避免在地下和室内防</p>	

<p>水工程中因防水涂料与饮用水的输配水管道接触或相邻的不相容性而导致水源污染，满足我国针对饮用水卫生相关防护材料的规定。</p> <p><b>KS-969 one-component polyurethane waterproof coating for drinking water</b></p> <p>As a special waterproof coating developed for long-term water immersion engineering, KS-969 is an eco-friendly solvent-free polyurethane waterproof coating. When exposed to moisture in the air after construction, it can trigger the sealed curing agent to form a film. The product does not contain harmful solvents such as benzene, toluene, and xylene, which to some extent avoids water pollution caused by the exposure of water pipelines to waterproof coatings or adjacent incompatibility in underground and indoor waterproof projects and meets China's regulations on drinking water protective materials.</p>	
<p><b>KS-168N 耐水型聚合物水泥防水涂料</b></p> <p>采用特殊耐水乳液，辅以特殊功能性助剂制备而成，耐水性能优异，拉伸强度高，既适用于长期浸水环境，也可用于地下建筑空间的防水处理，是一款兼具专业性与多用途的高性能双组分水性防水涂料。产品通过饮用水安全标准检测，用于养殖池防水对健康安全无影响，能够解决常规防水涂料的痛点。</p> <p><b>KS-168N water-resistant polymer cement waterproof coating</b></p>	 <p>The image shows two products for KS-168N: a white plastic bucket and a white paper bag, both with green and black text. The bucket is labeled '耐水型聚合物水泥防水涂料 WATER RESISTANT' and the bag is labeled '耐水型聚合物水泥防水涂料 RESISTANT'.</p>

<p>KS-168N is prepared with special water-resistant emulsion, supplemented by special additives, with excellent water resistance and high tensile strength, making it suitable for an environment of lasting water immersion, such as waterproofing of underground buildings. It is a high-performance two-component waterborne waterproof coating that can be applied in multiple scenarios. The product has passed the drinking water safety test and does not cause health and safety concerns when used in breeding ponds, resolving the common technical issues in conventional waterproof coatings.</p>	
<p><b>轻质抹灰石膏 (P130/P160)</b></p> <p>由工业副产石膏、集料、填充剂及添加剂等合成的新型基础抹灰材料，绿色环保，无毒无害无污染。通过精确的煅烧生产技术，让其杂质更少，拉伸粘结强度更大；同体积的情况下，重量仅为水泥砂浆的 1/3，涂刷面积却是水泥砂浆的 5 倍，有效石膏含量高达 80%以上；通过独特的结晶反应，干燥后与墙面结为一体，粘结稳定，无空鼓开裂，为墙体提供保温和防火功能。</p> <p><b>Lightweight gypsum plaster (P130/P160)</b></p> <p>The new-type basic gypsum plaster synthesized by industrial by-products plasters, aggregates, fillers, and additives is green and free from toxic substances and pollution. Precise calcination enables fewer impurities and greater tensile bond strength. Its weight is 1/3 of that of cement mortar</p>	 <p>The image shows two bags of Keshun Lightweight Gypsum Plaster. The bag on the left is labeled 'KS-P130 轻质抹灰' and the bag on the right is labeled 'KS-P160 轻质抹灰石膏'. Both bags are white with blue and green accents and feature a grid pattern of small dots. The net weight of each bag is 25kg.</p>

but its coating area is five times larger, containing over 80% of effective plaster. Through unique crystallization, it effectively glues bricks of a wall without cracking, providing heat preservation and fire prevention functions.

● “科顺绿洲”雨水管理系统 CKS Oasis Rainwater Management System

基于国家海绵城市建设需求与“双碳”目标，科顺绿洲雨水管理系统始终坚持标准化、高质量要求，提高城市建筑对径流雨水的调节能力，有效助力城市良性水文循环，在打造绿色节能建筑的同时，促进城市雨水资源利用和生态环境保护，赋能城市绿色发展。

Under China's Sponge City Construction Project and China's 30 · 60 Decarbonization Goal, CKS Oasis Rainwater Management System maintains high standards and quality, improves the performance of urban buildings to regulate surface runoff, and supports sound hydrological cycles of cities. It promotes the utilization of urban rainwater and environmental protection in green and energy-saving buildings and empowers urban green development.

**【关键数据】 Key Performance**

- “绿洲防护虹吸排水系统”科技成果鉴定为国际先进
- Oasis Protective Siphon Drainage System rated as world-class
- 2021-2022 年度斩获“年度创研黑科技奖”
- Annual Innovation and Research Award in 2021-2022

**【案例】四川省乐山市新区医院雨水管理项目落成**

四川省乐山新区医院项目位于乐山高新区，作为重大民生项目，医院不仅对防水、排水质量要求高，更要求工作面快速交付。科顺绿洲雨水管理系统可实现零坡度排水，进而优化找坡层、过滤层，相比传统种植顶板结构层节省 3/4 工期，完全符合项目工期与质量要求。科顺服务团队与项目总包方紧密配合，如期完成项目的保质交付。

**【Case】 The rainwater management project of Leshan New District Hospital in Sichuan Province was completed**



The Leshan New District Hospital, located in Leshan High-tech Zone, is a major project for people, requiring sound waterproofing and drainage and fast delivery. CKS Oasis Rainwater Management System realizes zero-slope drainage and optimizes the slope-making layer and filter layer, reducing the time needed by a quarter compared with the conventional planting roof and meeting the project deadline and quality requirements. Our service team has worked closely with the general contractor to ensure quality delivery as scheduled.



● **建筑屋面光伏防水一体化产品与解决方案 Integrated photovoltaic waterproof solutions for building roofs**


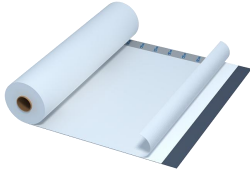
为全面推进风电和太阳能发电大规模开发和高质量发展,我们积极推进建筑屋面光伏防水一体化产品创新,促进绿色发展,为清洁能源布局建设贡献力量。

To promote the large-scale and high-quality development of wind and solar power generation, we update integrated photovoltaic waterproof products on building roofs, promote green development, and contribute to the development of clean energy.

我们聚焦光伏屋面渗漏痛点,通过因地制宜、综合考量建筑结构和材质,匹配适宜的产品与层次构造设计,并提供六大防水解决方案,其中包括系列光伏屋面产品,可应用于光伏屋面全应用场景,并提供光伏电站项目开发建设与建设、光伏电站投融资与资产管理、光伏电站运维等服务,助力光伏能源建设。

Given the typical leakage problems in photovoltaic roofs, we tailor our products and designs to suit local conditions as well as the structure and materials of buildings and provide six waterproof solutions. They include the photovoltaic roof product line, which can be applied in all scenarios. Services in photovoltaic power plant development and construction, photovoltaic power plant financing and asset management, and photovoltaic power plant operation and maintenance

are provided to support the development of photovoltaic power.

核心产品 Core products	图片 Photos
<p><b>TPO 产品 TPO products</b></p> <p>通过与世界领先原料合作商合作，产品耐候性、热老化性均高于国标 3 倍以上，耐化学性能保持率高达 100%，太阳反射率达 78%，屋面抗风能力行业第一，实现高性价比、稳定可靠、寿命长久的持续防水保障。</p> <p>By joining hands with the world's leading raw material providers, we ensure that the weather resistance and heat-aging resistance of the products are over three times the national standard with 100% retention of chemical resistance, 78% of solar reflectivity, and industry-leading roof wind resistance. The products are cost-effective, stable, and reliable with lasting waterproof protection.</p>	
<p><b>丁基产品 Butyl products</b></p> <p>产品由公司与清华大学院士杨万泰共建的企业院士工作站创新研发而出，具备自主研发生产线，掌握核心技术，成就可靠、有价值的解决方案。</p> <p>The products are developed by the Company academician center built with Mr. Yang Wantai of Tsinghua University. We own self-developed production lines, master core technologies, and develop reliable and valuable solutions.</p>	

## 2.4. 弘扬绿色理念 Green Concepts

科顺始终坚持绿色发展，开展环保培训，加强知识宣贯，倡导员工及公众不断提升环保意识，践行低碳环保行动，积极守护碧水蓝天。

Committed to green development, CKS carries out environmental protection training, strengthens publicity, heightens the environmental awareness of employees and the public, and

takes environmental protection actions to safeguard a beautiful environment.

#### 2.4.1. 开展环保培训 Environmental training

我们深入开展环保文化建设，积极执行全年环保文化建设工作计划，利用 6.5 世界环境日、全国低碳日、节能宣传周等开展环保宣传，并组织环保知识培训，发放环保手册等，强化员工环保意识，积极传播可持续发展理念。

We vigorously implement the annual plan of building environmental protection culture and carry out environmental protection publicity on the occasions of World Environment Day, National Low Carbon Day, and Energy Conservation Publicity Week with environmental protection training and the distribution of environmental protection manuals. Through these measures, we strengthen employees' environmental awareness and promote the concept of sustainable development.



环境日宣传活动 World Environment Day Publicity

节能宣传周活动 Energy Conservation Publicity Week



全国低碳日宣传活动 National Low Carbon Day Publicity

#### 2.4.2. 举办环保公益 Voluntary activities

为强化员工环保意识，我们举办多样化环保公益活动，通过积极有益的环保实践，改善

周边生活环境，为建设绿色家园贡献绵薄之力。

To heighten the environmental awareness of employees, we carry out a variety of voluntary activities and meaningful environmental protection practices to improve our environment and build a green home.

**【案例】积极植树造林，践行绿色公益**

为倡导绿化环保意识，弘扬植绿、护绿、爱绿的文明新风、传播绿色正能量，2022 年 3 月 11 日，公司组织全体上下积极开展指数造林活动。其中，党支部委员会积极响应当地街道办事处义务植树的号召，联同容桂总商会党总支一众党员干部参加容桂街道龙涌口文化公园旁的义务植树活动，为地球“种下一片绿色，种下一片希望”。同时也让党员们感受到爱护环境、保护环境的重要性。

**【Case】Tree-planting voluntary activities**

To advocate environmental protection, tree planting and caring, and green development, on March 11, 2022, the Company involved all employees in a tree-planting activity. In response to the call by the local subdistrict office, the Party branch committee, together with the general Party branch of the Ronggui General Chamber of Commerce, organized Party members and cadres. to participate in the voluntary tree-planting activity close to the Longyongkou Cultural Park in Ronggui Subdistrict. The activity sent the hope of green development and made Party members aware of the importance of protecting the environment.



科顺党支部党员先锋队植树造林活动现场 The tree-planting activity for Party members

of the CKS Party branch

## 【秉心·科顺】助力光伏发电，响应“双碳”战略

### 【CKS Commitment】 Support for photovoltaic power generation in response to China's 30 · 60 Decarbonization Goal

2022 年，科顺股份参与建设的东方锅炉光伏发电项目验收成功，助力东方电气集团东方锅炉公司构建绿色能源供应链条，为实现“碳达峰、碳中和”目标作出新贡献。

In 2022, the Dongfang Boiler photovoltaic power generation project which involved CKS was accepted, helping Dongfang Boiler build a green energy supply chain and making new contributions to the goal of "carbon peaking and carbon neutrality".

东方锅炉 4MW 屋顶分布式光伏发电项目，位于东方锅炉德阳制造基地氢产业示范园区，为契合新一轮能源革命和产业变革发展趋势，正加速打造成为以氢能为核心的绿色低碳综合智慧园区。园区通过在厂房屋顶上安装 4MW 光伏发电系统，运用分布式光伏发电技术，为氢能示范园中的电解水制氢设备提供绿色电力，制取的绿氢还能供园区内氢能重卡等车辆使用，实现节能环保的循环经济。

Dongfang Boiler 4MW rooftop distributed photovoltaic power generation project, located in the hydrogen industry demonstration park of Dongfang Boiler Deyang Manufacturing Base, is accelerating efforts to build a green smart park that centers on hydrogen energy in response to the new round of energy revolution and industrial transformation. The 4MW distributed photovoltaic power generation system on the roof of plants provides green electricity for hydrogen production equipment in the hydrogen energy demonstration park. The green hydrogen produced can power vehicles such as hydrogen heavy trucks in the park to achieve an eco-friendly circular economy that saves energy.

项目中，科顺承接分布式光伏屋面防水工程及光伏板施工。以 TPO 为代表的高分子防水材料，高性价比、稳定可靠、防水材料寿命长久，赢得了东方锅炉公司的高度认可，顺利进入投产建设。此次屋顶分布式光伏发电项目经历了施工周期短、步骤多、难度大等多种困难。

CKS undertook waterproof engineering of the distributed photovoltaic roof and installation of solar panels. Polymer waterproof materials such as TPO are highly cost-effective, stable, and durable, earning high recognition from Dongfang Boiler and contributing to the construction.

The rooftop distributed photovoltaic power generation project was confronted with a tight schedule, complicated engineering, and significant difficulty.

为解决项目困难，科顺倾全集团之力，积极调配原料、供应、生产、物流、劳务等，倒排工期全力推进，通力保障项目顺利实施。最终，项目在短短两个月内竣工交付，充分展示防水头部企业的领航实力。

To resolve these challenges, CKS invested all efforts, effectively allocating raw materials, supply, production, logistics, and labor services, and arranged the construction schedule properly to ensure the smooth implementation of the project. Finally, the project was completed and delivered in just two months, fully demonstrating the strength of a leading waterproof company.

目前，东方锅炉 4MW 屋顶分布式光伏发电项目已正式投运，科顺发挥自身专业优势，通过高品质的光伏产品系统，为实现清洁能源建设、产业园区可再生能源利用具有深远意义。

At present, the 4MW rooftop distributed photovoltaic power generation project of Dongfang Boiler has been put into operation. Drawing on our expertise, we contribute to clean energy development and renewable energy utilization in industrial parks through high-quality photovoltaic systems.



东方锅炉 4MW 屋顶分布式光伏发电项目验收仪式 Project delivery ceremony of Dongfang

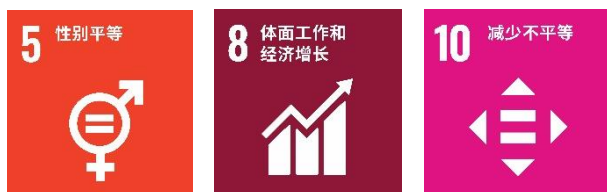
Boiler 4MW rooftop distributed photovoltaic power generation project

### 3. 守护英才 —— 致力人企共进 Supporting Talent-Shared Development of Employees and Enterprise

“全员积极参与，共筑百年卓越”，科顺将员工作为企业可持续发展的核心驱动力，充分保障员工合法权益，注重员工的主观能动性，积极引导员工深入参与，上下协同，合力推进，致力于营造安全、平等、尊重、和谐的工作氛围，携手员工实现共同发展。

CKS promotes employee engagement and grows together with employees. Regarding employees as the driver of sustainable development, we fully protect their lawful rights, value their initiative, and actively guide them to further engage in activities. We are committed to creating a safe, equal, respectful, and harmonious workplace, aiming to grow together with employees.

#### 响应联合国可持续发展目标 Contributions to UN SDGs



#### 【关键绩效】Key performance

- 员工总人数 4043 人
- 4043 employees in total
- 员工社会保险覆盖率 98.58%
- 98.58% of employee social insurance coverage rate

#### 3.1. 保障员工权益 Employee Rights

科顺坚持以人为本，切实保障员工合法权益，提升人才招聘、培训发展、绩效管理等工作效能，搭建多层次人才梯队，提供多样化薪酬福利，推行民主化双向沟通管理机制，关注员工心声，实现员工与企业共同成长。

Holding fast to the people-oriented principle, CKS protects the lawful rights of employees and improves the effectiveness of talent recruitment, training, development, and performance



management to build a multi-level talent team. Besides, we provide diversified compensation and benefits, implement a two-way communication mechanism for democratic management, and pay attention to the employee voice to realize the common development of employees and the enterprise.

### 3.1.1. 平等雇佣 Equal employment

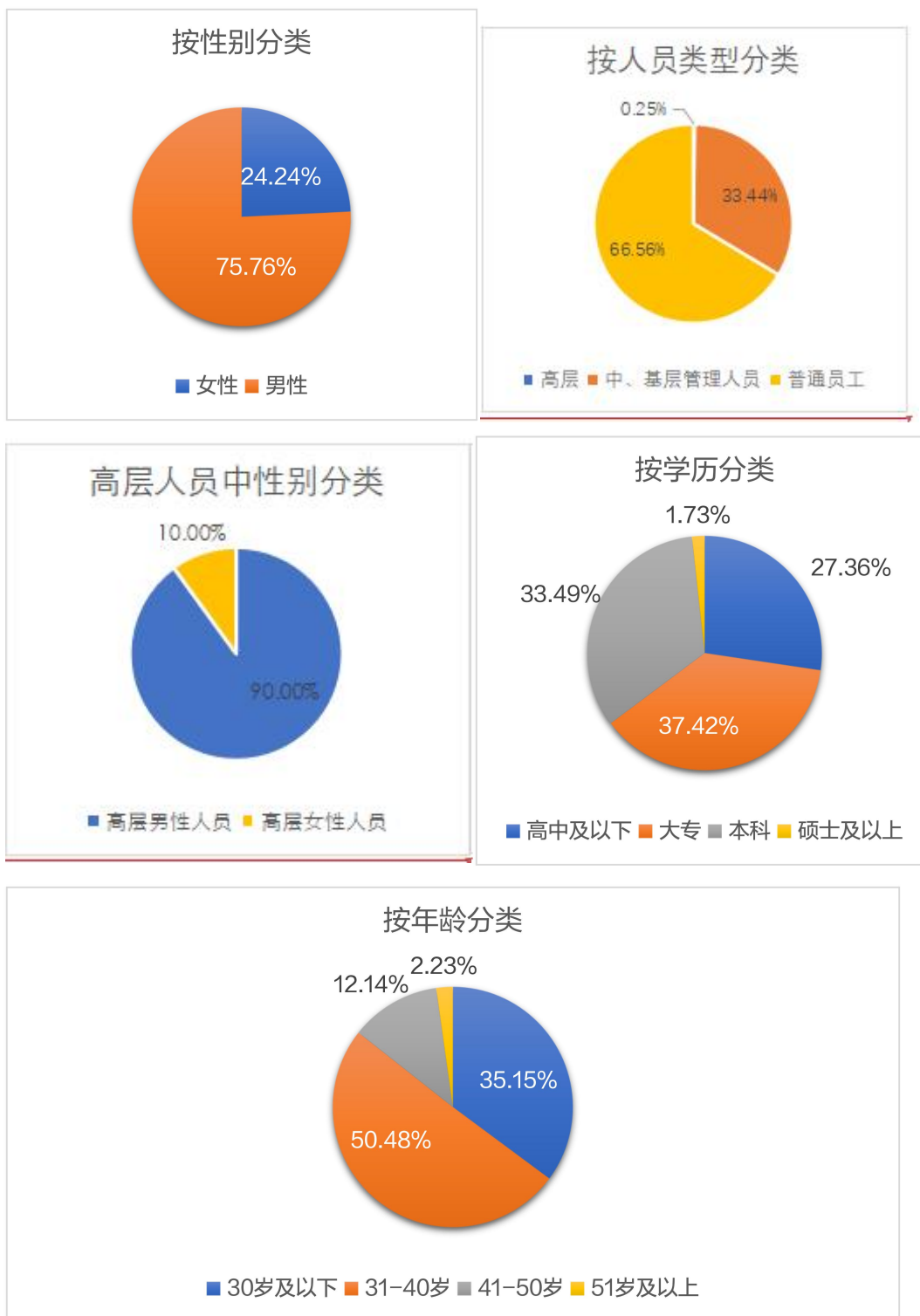
我们坚持以公平公正的原则开展雇佣工作,严格遵守国家有关雇佣及劳工权益保障的法律法规,保障残障人士及少数民族权益,坚决反对使用童工与强迫员工劳动。通过社会招聘、校园招聘、内部推荐、内部竞聘、校企合作等多样化渠道吸纳人才,积极打造多层次人才团队,创造平等多元的就业环境。

Adhering to the principle of fairness in employment and complying with national laws and regulations on employment and labor rights protection, we protect the rights and interests of the disabled and ethnic minorities and eliminate the employment of child labor and forced labor. We recruit talents through diversified channels, including social recruitment, campus recruitment, internal recommendation, internal position competition, and school-enterprise cooperation, to build a multi-level talent team and create an equal and diversified workplace.

#### 【关键数据】 Key performance

- 招聘新员工人数 1459 人
- 1,459 new employees
- 吸纳应届毕业生就业人数 174 人
- 174 hires of fresh graduates in 2022
- 残障人士员工雇佣人数 25 人
- 25 employees with disabilities
- 少数民族员工雇佣人数 180 人
- 180 minority employees

**2022 Staff composition**



<b>员工构成 Staff composition</b>	单位 (人) Unit (headcount)
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按性别分 By gender	女性 Male	980
	男性 Female	3,063
按人员类型分 By rank	高层 Senior	10
	高层中女性人员 Women in senior management	1
	中、基层管理人员 Middle and junior managers	1352
按学历分 By educational background	普通员工 Ordinary	2,691
	高中及以下 High school or lower	1,106
	大专 Junior college	1,513
	本科 Bachelor's degree	1,354
按年龄分 By age group	硕士及以上 Master's degree or higher	70
	30 岁及以下 30 years old or younger	1,421
	31-40 岁 31-40 years old	2,041
	41-50 岁 41-50 years old	491
	51 岁及以上 51 years old or older	90

### 3.1.2. 民主管理 Democratic management

公司重视员工诉求，通过设立总裁信箱、开展员工座谈会、绩效面谈会、发布《科顺人》内刊、组织旅游、各项文化活动等方式倾听相关方及员工心声，并对员工意见及时采取改善措施，促进公司战略目标的顺利实现。

We attach importance to employees' demands. We listen to the voices of interested parties and employees and take actions by setting up the President's Box, carrying out employee symposiums and performance meetings, publishing the internal Journal of CKSer as well as organizing tourisms and various cultural activities to facilitate the realization of the Company's strategic objectives.

### 3.1.3. 薪酬福利 Compensation and benefits

我们严格遵守各项法律法规与劳动政策，为员工购买社会保险和补充医疗保险，建立成熟完备的保险制度体系，并提供专项福利，切实维护员工权益；进一步完善薪酬体系，升级绩效考核机制，激发员工活力与创造力。

Abiding by the laws, regulations, and labor policies, we provide social insurance and

supplementary medical insurance for employees, build a mature and complete insurance system, and provide special benefits to protect their rights. Moreover, we further upgrade the compensation mechanism and the performance assessment mechanism to stimulate employees' vitality and creativity.

● **薪酬机制 Compensation mechanism**

我们积极建立完善的薪酬体系，科学合理设置岗位薪资，实现人岗匹配；升级绩效考核和共创共享机制持续推行事业合伙人计划，提升人均效能，为吸纳和留住优秀人才提供有力支撑。

We actively establish a sound compensation mechanism and set the salary of different positions in a scientific and reasonable way. For talent attraction and retention, we also upgrade the performance assessment and sharing mechanisms and implement the business partner program to improve employees' productivity.

● **福利机制 Benefit mechanism**

**法定福利：**我们严格遵守《中华人民共和国劳动法》的要求，为全体在职员工提供五险一金、法定节假日，并在遵照国家相关法律及地方政策规定的基础上发放高温补贴。

**Statutory benefits:** In strict accordance with the Labor Law of the People's Republic of China, we provide all employees with five social insurances( endowment insurance, medical insurance, employment injury insurance, maternity insurance and unemployment insurance) and housing provident fund, statutory holidays, and offer high-temperature subsidy in accordance with relevant national laws and local policies.

**通用福利：**除法定福利以外，我们为保障员工个人权益，提供多样化通用福利，包括节假日福利；在职在编且在公司服务超过 6 个月的员工，每年享有一次旅游福利；为员工生日活动、部门团建活动及各类体育活动提供经费支持；每年 4 月或 5 月定期对已转正员工进行免费身体健康检查；为员工提供慰问金、伙食补助、住宿补贴、探亲津贴、油费补贴、通讯补贴、新购电脑补贴等。

**General benefits:** In addition to statutory benefits, we provide diversified general benefits, including holiday benefits, to protect the personal rights of employees. Employees who have worked in the Company for more than 6 months are entitled to the travel benefit once a year. Financial support is given to employees' birthdays, team building activities and various sports

activities. Regular free physical examination is provided in April or May every year to regular employees. Allowances are provided to employees like sympathy subsidy, food allowance, accommodation allowance, family visit allowance, fuel allowance, communication allowance, and new computer allowance, etc.

### 3.1.4. 职业健康 Occupational health

我们重视员工的健康及生命安全，遵守《中华人民共和国安全生产法》《中华人民共和国职业病防治法》等法律法规要求，制定《职业卫生管理制度》《职业病危害防治责任制度》《职业病危害防护用品管理制度》等系列制度文件，积极打造安全有序的工作环境。

We value the health and safety of our employees. In accordance with laws and regulations like the *Work Safety Law of the People's Republic of China*, and the *Law of the People's Republic of China on Prevention and Control of Occupational Diseases*, we have formulated a series of policies, such as the *Occupational Health Management System*, *Responsibility System for Prevention and Control of Occupational Hazards*, *Management System of Protective Articles Against Occupational Hazards*, to create a safe and orderly workplace.



职业健康管理体系认证证书

### Occupational Health and Safety Management System Certificate

2022 年，公司安排医院专业人员开展职业防护救护专业培训、接害岗位人员职业健康检查、作业场所职业病危害因素检测、建立“1 人 1 档”，切实保障员工职业健康。

In 2022, we invited hospital professionals to carry out professional training on occupational protection and first aid knowledge, health check of employees in hazardous positions, and detection of disease hazards in workplaces, and to establish a file containing above results for every employee to safeguard their occupational health.

<p>急救知识培训 First aid knowledge training</p>	<p>职业健康检查 Occupational health check</p>
<p>职业健康“一人一档” A file of occupational health for each employee</p>	<p>作业场所职业病健康检查 Detection of occupational disease in workplaces</p>

### 3.2. 注重员工成长 Employee Growth

公司积极拓展员工发展渠道，通过开展多样化培训，建立成长平台，满足员工职业发展和个人成长需求，激励员工不断进行自我提升，在反哺企业发展的同时，实现自我价值。

The Company actively expands promotion channels for employees, carries out diversified trainings and creates a diversified career platform to meet the needs of employees' career development and personal growth, thus realizing their personal value amid the development of CKS.

### 3.2.1. 开展人才培训 Talent training

公司除人才发展培训常规体系中的科顺学院、青蓝计划、领航计划等以外，为了向员工提供不断学习与提升的平台，我们加强校企合作，针对岗位的不同属性，进一步完善人才培训系统，积极为公司及社会输送高水平人才。

In addition to the regular talent development and training, including CKS Academy, Youth Program and Pilot Program, we strengthen school-enterprise cooperation and further improve the talent training system for different positions to provide employees with a platform for ongoing learning and improvement and to cultivate high-quality talents for CKS as well as society.



科顺职业技能培训学校：为民办非盈利性社会组织，通过规范系统的理论、实操培训，让工人掌握专业技能、提升专业素养，以打造一支专业、规范的建筑防水技能施工队伍。

**CKS Polytechnic:** As a private non-profit social institution, the polytechnic cultivates workers' professional skills and improve their professional competency through systematic theoretical and practical training, seeking to create a professional team for construction and waterproofing.



“广东省示范性职工培训基地”授牌：科顺与顺德职业技术学院达成合作，充分整合优势资源，推进产学研深度融合，实现资源共享、优势互补、共同发展，激发技能生态内生动力。

**“Guangdong Staff Training Base**

	<p><b>Model”</b>: CKS, together with CKS Polytechnic, fully integrates advanced resources and promotes industry-university-research integration to realize resource sharing, advantages complementation, common development, and to stimulate the endogenous motivation for innovation.</p>
	<p>常青藤训练营: 以游戏化任务闯关形式规划课程体系, 通过“理论学习+施工实操+行为训练+活动运营”的方式, 帮助应届毕业生快速适应并融入职场。</p> <p><b>Ivy League Training Camp</b>: The courses of the camp are carried out in the form of game-based tasks, which helps fresh graduates quickly adapt to the workplace through theoretical learning, on-site practices, behavioral training, and operating activities.</p>

**【关键数据】 Key performance**

员工培训数据 Employee training data		员工培训覆盖率/人 Employee training coverage	员工人均培训时间/小时 Training hours per employee
按性别分	女性 Female	9,664	16
By gender	男性 Male	32,425	17.2
按人员类型	总监级以上 Director level or above	411	8.5
By rank			



经理级以上 Manager level or above	2,968	14
基层 Junior	7,660	14.2
普通员工 Ordinary	31,050	18.5

### 3.2.2. 注重职业发展 Career development

我们不断完善职业发展体系，开展人才盘点工作，畅通员工发展渠道，针对员工的多样化需求，规划合适明确的职业发展路径，最大限度发挥个人价值，助推员工成长成才。

We continue to improve the career development system, carry out talent evaluation, and unblock the promotion channels. We also create suitable career development paths to meet the diverse needs of employees, maximizing their personal value and promoting their development.

公司在卓越绩效推行期间，培养了八位卓越绩效内部专家，其中郑青娟、辜冉东、马晓媚获得卓越绩效自评师资质。

During the implementation of performance excellence, we have trained eight internal experts on performance excellence, among which Zheng Qingjuan, Gu Randong and Ma Xiaomei have obtained the Performance Excellence Self-Assessment Certificate.



卓越绩效自评师证书

Performance Excellence Self-Assessment Certificate

我们充分发挥员工潜能，树立榜样人物，强化标杆引领作用，在公司内部为优秀员工设置“科顺劳模”“质量先锋”等荣誉墙，提升员工的责任感与成就感，为员工职业发展提供支持。

We give full play to the potential of our employees, set role models for them, and set up walls

of honor, including CKS Model Worker and Quality Pioneer, for outstanding employees to enhance their sense of responsibility and fulfillment and provide support for their career development.



科顺员工荣誉墙

CKS Staff Wall of Honor

### 3.3. 关怀员工生活 Employee Care

公司将“协同共生”的文化贯穿于企业发展始终，将企业价值与员工价值深度融合，组织多样化活动，提升员工的满意度和幸福感，努力构建幸福工作、快乐生活的良好氛围，为实现企业的长期可持续发展精进。

CSK always embraces the culture of “synergy and symbiosis” in the development. For our sustainable development, we integrate the enterprise value with the employee value and organize diversified activities to improve their satisfaction and wellbeing and to create a positive workplace.

#### 3.3.1. 关心帮扶员工 Caring for employees

我们积极倾听员工心声，关注员工需求，践行各项帮扶行动，关注女性发展，营造关心关爱员工的浓厚氛围，为员工发展创造舒适的无忧环境。

We actively listen to employee voice, care about their needs, provide different kinds of assistance, and value women’s development, fostering a positive work environment for employees’ development and showing them that we care about them.

##### ● 帮扶行动 Assistance

公司积极组织年度体检，关注员工健康；设立员工活动室，支持员工成立爱好俱乐部并

提供场地与费用；设立关爱基金，为员工及家属提供医疗、意外等保障性基金支持；关注员工工作环境，打造绿色办公环境与优越办公空间；为员工提供旅游假及旅游基金，工作之余提供心理咨询，竭力保障员工的身心健康。

First, we organize annual physical examination to check employees' health. We also set up staff activity rooms, support employee hobby clubs, and provide venues and expenses. Besides, we establish care funds to provide employees and their families with medical care, accident contingency fund. We also put premium on employees' working environment and create a green and comfortable workplace. Lastly, we provide travel leave and travel funds for employees and provide psychological counseling outside working hour to safeguard employees' physical and mental health.

#### ● 女性关怀 **Women care**

我们尊重女性员工的职业追求，积极为女性员工提供各类辅助支持，包括特殊情况可带孩子上班、怀孕女员工的“粉色工牌”，设立哺乳室等，致力于打造舒适、包容、平等、激发创造力的女性工作环境。

We respect the career development of female employees and provide various kinds of support for them, including bringing children to the workplace under special circumstances, the “pink work card” which can provide convenience for pregnant employees, and the building of lactation rooms. We are committed to creating a comfortable, inclusive, equal, and creative workplace for female employees.

#### **3.3.2. 丰富员工生活 **Enriching employee life****

我们加强内部企业文化建设，通过星动科顺、爱在科顺、科顺文化节、奔跑吧等系列文化活动打造科顺“五感”人文关怀，通过提供多样化平台，给予员工充分展现自我的机会，促进人才全面发展，同时提升企业凝聚力，让员工充分感受到幸福感、成就感、获得感、安全感和归属感，将企业文化有效贯彻到员工及相关方。

To strengthen the internal corporate cultural development, we create “five senses” (sense of happiness, fulfillment, satisfaction, security and belonging) of humanistic care through a string of cultural activities. To promote talents' development and enhance corporate cohesion, we give employees the opportunity to express themselves by providing diverse platforms, thus helping

employees gaining “five senses” and instilling the corporate culture in employees as well as related parties.

“星动科顺·时光故事会”文化活动

“CKS - Story Time” cultural event



26 周年跑活动

CKS 26th anniversary running



科顺文化节

CKS Cultural Festival



荣誉绩效

Honors

	
<p>“万和杯”企业乒乓球团体赛优秀组织单位 “Wanhe Cup” Enterprise Table Tennis Team Competition — Excellent Organization Unit</p>	<p>顺德区关爱员工先进企业 Advanced Enterprise for Employee Care in Shunde District</p>

**【衷心·科顺】劳模和工匠人才创新工作室授牌，完善人才培育**

**【CKS Devotion】Plaque awarding ceremony for talent cultivation**

2022 年，科顺股份带头成立领先于行业的工匠人才创新工作室，由佛山市劳模、集团董事长陈伟忠领衔，广东省质量工匠、集团副总裁/应用技术负责人叶吉带领，由拥有丰富施工经验和多项创新专利的人员组成，致力于建筑防水施工应用技术攻关、发明创造、人才培养等，助力企业创新与行业发展。

In 2022, CKS found the Model Worker and Craftsman Talents Innovation Studio, an industry-leading studio. The studio was led by Chen Weizhong, the Foshan Model Worker and Chairman of the Company, and Ye Ji, the Guangdong Quality Artisan and Vice President slash Head of Application Technology of the Company and composed of personnel with extensive construction experience and several innovation patents. The studio is dedicated to such areas as application technology research on waterproofing and construction, invention, talent training, to promote innovation and industry development.

上级工会领导对科顺股份工会的工作表示充分认可，表明科顺股份工会关爱职工、促进职工成长的经验值得推广。同时鼓励科顺股份工会继续用好劳模和工匠人才创新工作室阵地，培育防水行业顶尖人才。

The leaders from higher-level trade union are in full recognition of CKS's Trade Union, an indicator that our experience in employee care and growth can be used for reference. To cultivate talents in the waterproofing industry, they also encourage CKS's Trade Union to make full use of the Model Worker and Craftsman Talents Innovation Studio.

科顺股份“聚焦核心人才培养”与“搭建优质平台资源”双轮驱动，积极开展质量教育培训，助力人才发展。倡导学习工作化，鼓励在实践中学习，以工作机会、岗位锻炼为核心，帮助员工在实践中得到培养和成长。通过发挥“劳模和工匠人才创新工作室”大舞台作用，让广大奋斗者在共创共享的契机中，练就创新本领，弘扬工匠精神，为事业成长突破、企业创新转型、行业高质发展注入活力。

Focusing on core talent training and high-quality platforms, CKS actively carries out quality education and training to promote the development of talents. We advocate practical learning and job training to get employees prepared for the job. We make full use of Model Worker

and Craftsman Talents Innovation Studio and help workers develop their innovation skills and carry forward the spirit of craftsmanship, thus injecting vitality into the career development of employees, innovation and transformation of the Company, and high-quality development of the industry.



“容桂街道劳模和工匠人才创新工作室”荣誉牌匾授予仪式

Plaque awarding ceremony of Model Worker and Craftsman Talents Innovation Studio of

Ronggui Sub-district

## 4. 守护未来——赋能行业领先 **Planning for Future – An Engine for the Industry**

作为行业引领者，科顺始终以科技创新作为重要引擎，积极搭建与升级研发平台，加快推动全链条数字化转型升级，运用多样化平台，为管理流程搭建更加高效灵活的技术支撑。同时，优化供应布局，打造责任供应链，与利益相关方建立长期共赢的可持续关系。

As an industry leader, the Company, driven by innovation, builds and upgrades R&D platforms, digitalizes our whole business at a faster pace, and adopts multiple technological platforms to shape more efficient and flexible management. At the same time, we optimize our supply structure and build a responsible supply chain with lasting win-win partnerships with stakeholders.

### 响应联合国可持续发展目标 **Contributions to UN SDGs**



#### 【关键绩效】 Key Performance

- 研发经费收入占销售收入比例超过 4%
- The proportion of R&D input to revenues exceeds 4%
- 授权专利 194 项
- 194 authorized patents
- 参编国家、行业、团体、地方标准 29 项
- Drafting 29 local, association, industry, and national standards

### 4.1. 深化科研创新 **Research and Innovation**

公司持续加强科研投入，在重大项目开发、高层次人才培养、科技合作交流、研发成果转化等方面积极作为，不断提高创新能力，促进建筑防水行业的高质量发展。



The Company continues to ramp up R&D input, take proactive measures in the development of major projects, high-level talent training, sci-tech cooperation and exchanges, and commercialization of research results, and improve innovation abilities to support the high-quality development of the building waterproofing industry.

#### **4.1.1. 夯实科研基础 R&D foundation**

公司积极加强科研人才队伍建设、配备先进仪器设备、加强知识产权管理、积极推进产学研合作，为创新研发提供坚实保障和稳定支持。

The Company builds a stronger talent team, adopts advanced instruments and equipment, strengthens intellectual property management, and advances industry-university-research cooperation, laying a solid foundation for innovation and R&D.

##### **● 引进科研人才 Recruiting researchers**

我们始终将“技术科顺”的经营理念放在首位，不断优化科研团队，丰富技术人才。2022年，科顺研发中心拥有 156 名技术型科研人才，本科及以上学历人员占比 90%以上，并且囊括院士、博士、硕士等高学历科研人才，为促进科技创新、产品研发提供强大的人才支撑。

Putting technology at the center, CKS constantly optimizes the research team and recruits more technical professionals. In 2022, CKS R&D Center employed 156 technical researchers, and those with a bachelor's degree or above accounted for more than 90%. There were also academicians and researchers with doctoral or master's degrees, strongly supporting innovation and product R&D.

##### **● 打造科研平台 Building a research platform**

科顺研发中心下设高分子卷材实验室、卷材实验室、水性涂料实验室、干粉砂浆实验室、博士后实验室、院士工作室以及检测中心等 30 多个实验室。目前研发中心配有原子力显微镜、3D 超景深显微镜、高级旋转流变仪、GC-MS、ICP、DMA、DSC 等多台大型研究型仪器，为产品研发搭建有力的技术平台。

The CKS R&D Center consists of more than 30 laboratories, including a polymer roll laboratory, roll laboratory, waterborne coating laboratory, dry mortar laboratory, postdoctoral laboratory, academician studio, and testing center. It is equipped with an atomic force microscope, ultra-depth three-dimensional microscope, advanced rotational rheometer, GC-MS, ICP, DMA,

DSC, and other large instruments, building a powerful technological platform for product R&D.

● **产学研合作 Pursuing industry-university-research cooperation**

我们通过与知名高校、科研院所进行合作，形成研究、开发、生产一体化的先进系统，实现优势资源协同共享，为解决技术难题、提升科创实力提供有力支持。

We cooperate with famous universities and research institutes to develop an advanced system integrating research, development, and production, share resources, and provide strong support for solving technical problems and improving innovation capabilities.

**【案例】南通科顺与江苏科技大学达成产学研合作**

2022 年，为进一步深化校企合作，共建产教融合新生态，南通科顺生产基地迎来江苏科技大学领导教师一行的到访，举行校企合作洽谈会。会上，双方达成共识，共同签署《产学研协议书》，“江苏科技大学&南通科顺产学研基地”在南通科顺正式挂牌成立。

交流会上，双方就人才输送、合作办学等内容，进行了深入探讨，并初步确认开启人才实习交流，为将来大学生人才培养、校企合作、师徒培养和产学研基地等合作项目及模式奠定基础。

**【 Case 】 Nantong Keshun and Jiangsu University of Science and Technology agree on industry-university-research cooperation**

In 2022, to deepen university-enterprise cooperation and build a new ecology of industry-education integration, Nantong Keshun production base welcomed guests from Jiangsu University of Science and Technology for a cooperation meeting. At the meeting, both sides reached a consensus and signed the *Industry-University-Research Agreement*. Subsequently, the Jiangsu University of Science and Technology & Nantong Keshun Industry-University-Research Base was officially established in Nantong Keshun.

At the meeting, both sides had in-depth discussions on talent provision and collaborative training and agreed on a tentative internship program, which would lay the foundation for future cooperation on college student training, university-enterprise partnerships, apprenticeships, and industry-university research base.



“江苏科技大学&南通科顺产学研基地”在南通科顺挂牌仪式

Jiangsu University of Science and Technology & Nantong Keshun Industry-University-Research  
Base is inaugurated

#### 【关键绩效】 Key Performance

- 完成 14 项新品研发
- 14 new products developed
- 完成 15 项产品优化
- 15 products optimized
- 发表 SCI 论文 1 篇
- 1 SCI paper published
- 发表技术论文 8 篇（国家级核心期刊收录 2 篇）
- 8 technical papers published (2 in China's core journals)

#### ● 知识产权管理 **Managing intellectual property**

公司高度重视知识产权保护，并严格按照《知识产权管理办法》及《知识产权奖励管理办法》维护和保障知识产权。公司通过设立知识产权部和打假办，不断完善和贯彻执行知识产权管理制度，确保公司不侵犯他人知识产权，同时也及时监控和处理第三方侵权行为。另一方面，公司鼓励全员参与知识产权创造，拓宽专利护城河，注重专利数量的同时也逐步提高专利质量。

Attaching great importance to the protection of intellectual property, the Company protects intellectual property in strict accordance with the *Intellectual Property Management Measures* and *Intellectual Property Incentive Management Measures*. The Company has established the Intellectual Property Department and the Anti-Counterfeiting Office and implemented the intellectual property management system to ensure that we do not violate others' intellectual property rights while monitoring and handling IP infringements by any third party in a timely manner. In addition, we encourage all employees to create intellectual property creation, broaden the patent moat, and pay equal attention to the quantity and quality of patents.

#### 4.1.2. 加强创新研发 **Originality and R&D**

随着市场化进程的加速、客户需求的不断变化，行业竞争形势日趋严峻，公司积极落实创新研发行动，通过多年沉淀的专业技术手段，攻克各项技术壁垒，进一步提升科创实力和企业竞争力。

With ever-changing customer demands and increasingly fierce competition in a fast-evolving market, the Company steps up innovation and R&D and taps into our well-developed know-how to address technological barriers and strengthen our innovation and competitiveness.

**BIM 模型的建立和推广使用。**一次防水、光伏系统、雨水管理系统、单层屋面。

雨水管理系统三代配套产品技术开发。5G 监测实现样板工程应用，设计打版 3 个升级配件。二代及三代授权 5 项发明专利、17 项实用新型专利。

无穿孔固定排水板施工技术。上市隧道用蜂窝式排水板及其配套辅材，工法申请 3 项专利

金属屋面铁锈处理工艺。上市铁锈转化乳液，应用 7 个项目总计约 1300 吨。

被动房放水解决方案。专用卷材通过康居认证。

**Establishment and promotion of BIM models:** in do-it-once waterproofing, photovoltaic systems, rainwater management systems, single-ply roofing

**Development of third-generation supporting products for the rainwater management system:** 5G monitors are applied in model projects and three upgraded accessories are designed and plate-made. Five invention patents out of eight applications and 17 utility model patents out of 20 applications have been approved for second and third-generation products.

**Non-perforated fixed drainage boards:** Honeycomb drainage boards for tunnels and its supporting devices are marketed with applications for three construction method patents. The second-and third-generation products have been authorized 5 invention patents and 17 utility model patents.

**Metal roofing rust treatment process:** Rust-converting emulsion is marketed, and a total of about 1,300 tons have been applied in seven projects.

**Passive housing water release solutions:** The special coil has passed the Kang-ju Construction Parts Certification.

**【关键绩效】 Key Performance**

- 新产品科技成果评估 3 项
- 3 evaluated new technological products
- 新产品科技成果推广项目 2 项
- 2 promotion projects of new technological products
- 金禹奖 2 个金奖
- 2 gold Jinyu Awards
- 全国行业技能大赛获一冠两亚
- 1 first prize and 2 second prizes in the National Industry Skills Competition
- 厚涂 JS 获建筑防水行业技术进步奖一等奖
- 1st prize of the Building Waterproofing Industry Technology Progress Award for JS thick coatings

**【案例】“高性能隔热防水涂料关键技术开发应用”项目通过科技成果鉴定**

2022 年，由科顺股份、华南理工大学和广东吉美帮新材料有限公司共同承担的“高性能隔热防水涂料关键技术开发应用”项目通过成果鉴定，达到国际先进水平。

**【 Case 】 The project "development and application of key high-performance thermal insulation waterproof coatings" passes the research result evaluation**

In 2022, the project "development and application of key high-performance thermal insulation waterproof coatings" jointly undertaken by CSK, South China University of

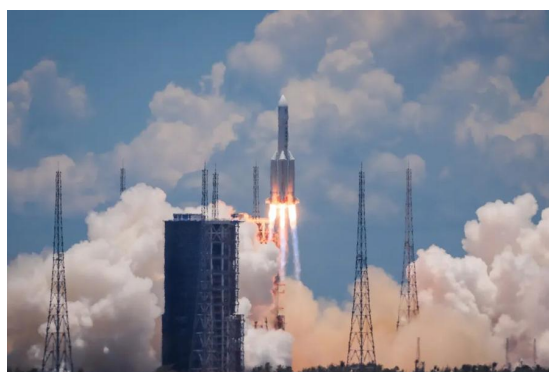
Technology, and Guangdong Jimeibang New Materials Co., Ltd. produced concrete results, which were rated as world-class.

“高性能隔热防水涂料关键技术开发应用”项目提出“软核硬壳”水性乳胶粒子设计思路，制备出具有成膜、防水、耐候、自清洁功能的聚合物乳液及乳胶粉，开发了系列具有隔热功能的高性能防水涂料，产品实现由单一防水功能向防水、隔热、自清洁和装饰性等多功能一体化升级，专家委员会高度认可此项关键技术的实用性和创新性，充分肯定其获得的经济价值、社会效益和生态效益。

The project designs "soft core hard shell" waterborne latex particles and produces emulsion polymers and latex powders that enable film-forming, waterproofing, weather-resistance, and self-cleaning functions. As a result, high-performance thermal insulation waterproof coatings are developed, serving not only the single purpose of waterproofing but also heat insulation, self-cleaning, and decoration. The product line is highly rated by experts in terms of its functions, originality, and economic, social, and ecological values.

该项目系列产品具备优异的抗渗性能、耐候性能和隔热性能，成功应用于广州国际健康驿站、海南文昌发射基地、嘉兴医药厂、黄冈伊利冷饮车间、三一重工产业园、山东五征集团农用机厂房等项目当中，为市政场馆、特种工程、工商业园区等建筑提供优质防水服务。

Featuring sound impermeability, weather resistance, and heat insulation, the product line has been successfully applied in projects such as Guangzhou International Health Station, Hainan Wenchang Space Launch Site, Jiaxing Pharmaceutical Factory, Huanggang Yili Cold Drink Workshop, Sany Heavy Industry Park, and Shandong Wuzheng Group Agricultural Machinery Plant, providing high-quality waterproofing for municipal venues, special projects, industrial and commercial parks, and other buildings.



海南文昌发射基地防水项目

Hainan Wenchang Space Launch Site waterproofing project

## 4.2. 推进数字化转型 Digitalization

为实现降本增效、提高生产效率、减少人力成本、加速产品迭代、提升自动化程度，公司深入推进数字化转型，通过数字化管理、营销、智能制造等多个环节，有力提升企业盈利能力，为企业发展提供强大动能。

To reduce labor and other costs, improve production efficiency, and accelerate product iteration and automation, the Company has advanced digitalization in links such as management, marketing, and manufacturing to boost our profitability and provide strong momentum for corporate development.

### 4.2.1. 数字化管理 Digital management

我们通过数字化工具流程管理平台的引入与搭建，为公司管理流程的持续优化奠定基础。通过对流程的全生命周期管理，沉淀公司组织过程资产积累，实现精准赋能至业务参与者、执行者，提高工作效率。

The introduction and building of the process management platform empowered by digital tools lay the foundation for continuous management optimization. We manage the whole process, build up organizational assets, and give targeted support to participants and executors to improve work efficiency.

**流程管理平台。**通过引入专业化的流程管理平台，实现公司业务流程框架可视化，通过建立统一的流程语言，通过平台工具使流程作业专业化、规范化，实现公司各管理体系文件相互关联，管理简洁化、统一化，提高运营效率。

**Process management platform:** The introduction of a professional process management platform visualizes the business process framework. With a unified process language and platform tools, we standardize processes, realize the compatibility of the Company's management system documents, and simplify and level up management to improve operational efficiency.

**技术综合服务平台。**自研搭建技术中心业务一站式服务平台，提供浅入深出的报告生成和报价生成功能；提供全流程管控的投标报价管理功能，衔接上下游系统；提供一站式基础数据查询平台，方便商务和技术人员查询交流。

**Integrated technology service platform:** We build a one-stop service platform for the technology center that offers easy-to-handle report generation and quotation functions. The platform enables whole-process bidding and quotation management functions and connects with the upstream and downstream systems. We also provide a one-stop basic data query platform to facilitate exchanges among business and technical personnel.

工程项目管理系统。首次成功实施 PMS 工程管理系统，工程项目数据可追溯，引入便捷的移动办公入口；标准化的项目数据管理；根据财务对客户类别的评级管理，管控财务风险。

**Engineering project management system:** For the first time, a project management system is successfully implemented, ensuring that project data can be traced and providing a convenient mobile office portal. We standardize the management of project data and control financial risks based on the financial rating of customers.

#### 4.2.2. 数字化营销 Digital marketing

公司运用数字化技术手段，聚焦业务重点，不断创新营销服务模式，打造以客户为基础、以订单为核心、外协内控的营销服务管理平台，实现全业务流程管理，全面增强客户体验，进一步提升价值创造效率及业务运营效率。

The Company leverages digital technology and focuses on business priorities. We bring out a new marketing service model and build a customer-based and order-centered marketing service management platform featuring external coordination and internal control. It covers all business links and enhances overall customer experience to improve efficiency in value creation and business operation.

- **全业务流程营销服务平台 Marketing service platform covering all business links**

业务流程管理规范化、可视化。打通各系统接口，实现业务流程一体化，建立起 LTC 业务流程体系，让管理有据可依、有据可查。

**Standardized and visualized business management:** We connect interfaces of different systems to integrate business processes, and establish an LTC business process system that institutionalizes management.

人员管理科学化。更有效、准确、精细化地管理业务人员和客户的互动行为，做到“工



作有目标、执行有标准、核查有参照、考核有依据”，有效提升企业管理水平。

**Science-based personnel management:** We implement more effective and accurate management of the interaction between salesmen and customers in detail, to realize "working for goals, executing as per standards, verifying as per references, assessing as per policies" for better corporate management.

简化沟通流程，提升效率。减少商务沟通环节，随时跟进项目过程信息，及时调整业务活动，攻克销售订单管理难点，协同财务管理需求，线上管控销售业务管理，全面提升业务人员的工作效率。

**Streamlined communication for greater efficiency:** We reduce business communication links, follow up project information in real time, and adjust business activities promptly. We also overcome order management challenges, coordinate financial management, manage sales online, and improve the efficiency of business personnel.

外部客户赋能。实现内外部信息连接与共享，数据实时传递公司后台，客户可随时备案信息与需求，提升商务工作效率。

**Customer empowerment:** We promote information sharing with customers, feed data back to our system in real time, and allow customers to register information and demand at any time to improve business efficiency.

**【关键绩效】 Key Performance**

- 业务人员人均效能提升 55%
- The average efficiency of business personnel up by 55%

● **顺智一体化营销平台 CKS smart integrated marketing platform**

我们正在全力打造顺智一体化营销平台，支持工民融合的销售模式，实现项目销售的所有功能，基本解决授信、促销、返利、提成等销售政策的自动计算，实现销售数据自助分析、业务管理功能的移动化，赋能经销商，为工民融合、业财一体化提供系统支撑。

We are making every effort to build a CKS smart integrated marketing platform. The platform is expected to support the sales model of industrial and civilian integration with automatic calculation of credit, promotion, and commissions. It can automatically analyze sales data, digitalize business management, empower dealers, and support the integration of industry,

customers, business, and finance.

#### **4.2.3. 智能制造 Smart manufacturing**

公司积极推进建设智能制造技术升级和智能制造系统打造，提升生产基地自动化水平，推动实现数字化转型，质效并举促进高质量发展。

The Company upgrades intelligent manufacturing technology, builds intelligent manufacturing systems, and improves the automation of production bases and digitalization to promote high-quality development efficiently.

##### ● **能源信息管理系统 Energy information management system**

我们建立能源信息管理系统，实时监控天然气、电力、柴油、外购蒸汽能源实物消耗量及天然气、电力、柴油、外购蒸汽能源消耗折标准煤能耗、碳排放及占比，实时监控每条产线能耗、碳排放，单位产品综合能耗等数据，挖掘节能降碳潜力。

We have established an energy information management system to monitor the consumption of natural gas, electricity, diesel, and purchased steam and corresponding standard coal equivalent consumption, carbon emissions, and proportion. We ensure real-time monitoring of the energy consumption and carbon emissions of each product line and the energy intensity of products to see where efforts of energy conservation and carbon reduction can be made.

##### ● **生产智能化 Smart production**

在智能化车间中，我们通过物联网系统在生产线采用工业自动化传感器、仪器仪表、工业自动化机械和装置等集成，形成传感系统、控制系统、监控系统等，先进的物联网和工业大数据技术构建分布式工艺和设备的远程运营管理系统和“工业 4.0”、大数据云服务，实现对现场工艺和设备的远程监控、远程管理。

In intelligent workshops, we adopt industrial automation sensors, meters, automation machinery and devices in the production line, all integrated into the Internet of Things system, creating a sensing system, control system, and monitoring system. Advanced Internet of Things and industrial big data support distributed processes and remote management of equipment, shaping "Industry 4.0". Big data cloud services realize remote monitoring and management of on-site processes and equipment.



物联网系统 Internet of Things



卷膜自动接驳机 Roll film automatic connection machine



自动化灌装 Automatic filling



自动化码垛 Automatic palletizing



自动入库 AGV Automated guided vehicles



自动插管机 Automatic tube inserting machine



自动包装机 Automatic packaging machine

	
<p>自动贴标机 Automatic labeling machine</p>	<p>库位锁定识别系统 Location identification system</p>

● “5G+MEC”数字化工厂融合生产协同运营平台

在数字技术融合创新的推进下，为快速提升生产制造的预测能力、提高生产制造效率、缩短生产制造周期、提高产品的生产质量、实现产品质量溯源，基于业务的拉通及各系统数据集成，科顺防水 5G+云网融合协同生产管理最终实现。本地 MEC 助力企业从业务端到端形成闭环的数据体系，建立了全面的数据运营决策机制。从生产准备、各车间制造执行到成品入库发货实现了整体流程的拉通。

**"5G+MEC" digital factory with a production collaboration platform**

As we integrate digital technology for innovation, we aim to improve manufacturing predictability and efficiency, shorten the manufacturing cycle, better product quality, and realize product quality traceability. To this end, CKS waterproof 5G + cloud-network integrated production management is completed based on business and data integration of various systems. Local MEC helps the Company shape a closed-loop business end data system and a comprehensive data-based operation decision-making mechanism. This enables us to integrate the whole process of preparation, execution in each workshop, and finished product storage and delivery.

● LIMS 实验室管理系统

公司通过搭建 LIMS 实验室管理系统平台，品质检验数据实现了自动采集、高效流转，原料检验的效率大幅提升，接近 95%的自动提醒和 90%的自动放行，减少人工操作；成品检验的放行效率也大幅提升，部分工厂最高提速 80%以上。品质管控协同效率有效提升，有力赋能产品检验业务，质量管理提质增效落到实处。

### Laboratory information management system (LIMS)

LIMS realizes automatic collection and efficient circulation of quality inspection data, greatly increasing the efficiency of raw material inspection with close to 95% automatic reminding and 90% automatic release, which reduces manual operation. Finished products are inspected and released at a faster pace, while some factories see efficiency up by 80%. More efficient quality control collaboration empowers product inspection and improves quality management.

### 4.3. 可持续供应链 Sustainable Supply Chain

公司持续关注供应风险的梳理和应对，通过开拓供应渠道，丰富供应资源，降低风险；深化战略合作，寻求创新合作之路，积极履行绿色采购，与供应商共同挖掘降本机会，开启合作新篇章，实现可持续发展。

CSK continues to focus on responding to supply risks by developing supply channels and enriching supply resources. We also deepen strategic and innovative cooperation and carry out green procurement, exploring cost reduction opportunities with suppliers to embark on a new chapter of cooperation and achieve sustainable development.

供应商 Suppliers		数量/个 Quantity	备注 Remarks
供应商总数 Total number of suppliers		<b>858</b>	
按地区分 By geographical region	华南 South China	19.35%	广东、广西、海南 Guangdong, Guangxi, Hainan
	华中 Central China	10.32%	湖北、湖南、河南、江西 Hubei, Hunan, Henan, Jiangxi
	华北 North China	16.13%	北京、天津、河北、山西、内蒙古 Beijing, Tianjin, Hebei, Shanxi, Inner Mongolia
	华东 East China	38.06%	山东、安徽、江苏、浙江、福建、上海 Shandong, Anhui, Jiangsu, Zhejiang, Fujian Shanghai

西北 Northwest	1.94%	宁夏、新疆、青海、陕西、甘肃 Ningxia, Xinjiang, Qinghai, Shaanxi, Gansu
西南 Southwest	6.52%	四川、云南、贵州、西藏、重庆 Sichuan, Yunnan, Guizhou, Tibet, Chongqing
东北 Northeast	7.1%	黑龙江、吉林、辽宁 Heilongjiang, Jilin, Liaoning
港澳台及国外 Hong Kong, Macao, Taiwan and abroad	0.58%	香港、澳门、台湾地区、国外 Hong Kong, Macao, Taiwan and abroad

#### 4.3.1. 供应链管理 Supply chain management

公司始终坚持合规采购、责任采购，强化审核能力，保证供应商提供稳定可靠的原材料，使公司持续为客户提供高质量产品与服务。

We always practice compliant and responsible procurement. We strengthen our audit capability to ensure that suppliers provide stable and reliable raw materials to us, and that we can, in turn, provide high-quality products and services to customers.

##### ● 合规采购 Compliant procurement

2022 年，我们重点对流程和制度进行完善，借助流程管理平台，梳理并发布了 69 条采购业务相关流程，新编和优化了 11 份制度，开展 6 次内部体系督查，12 次廉洁宣贯，不断提升采购部门的业务规范性。

In 2022, we focused on the improvement of process and policy. Through the process management platform, we sorted out and released 69 processes related to procurement business, compiled and optimized 11 new policies, carried out 6 internal system inspections and 12 integrity campaigns to continuously improve the standardization of the procurement department.

##### ● 责任采购 Responsible procurement

2022 年，公司在审核供应商时重点关注供应商在环境保护和社会方面的贡献，制定《供

应商社会责任评审表》，让更多的供应商关注环境和社会责任。同时，我们实施分级检验，制定《原材料检验不合格的管理办法》处理来料异常，利用 PDCA 工具管理质量改善计划，确保改善计划完成闭环。

In 2022, we focused on suppliers' contribution to environmental protection and society during supplier review and formulated the Supplier Social Responsibility Review Form to make more suppliers stay aware of environmental and social responsibility. We implemented graded inspection, formulated Management for Defective Raw Materials to handle defective materials discovered in incoming quality inspection and adopt PDCA method for the continual improvement of quality.

#### 【关键数据】 Key Performance

- 总采购数 569561 万元
- RMB 5.69561 billion for procurement in total
- 本地化采购占公司总采购的比例 98.91%
- Localized procurement accounts for 98.91% of the Company's total procurement
- 开展审查的供应商数量 96
- 96 suppliers reviewed
- 未达标退出供应商的数量 18
- 18 unqualified suppliers exited
- ISO 9000 质量标准筛选的供应商比例 58.06%
- 58.06% of suppliers screened by the ISO 9000 quality standard
- ISO 14000 环境标准筛选的供应商比例 26.45%
- 26.45% of suppliers screened by the ISO 14000 environmental standard
- ISO 45001 职业健康安全标准筛选的供应商比例 16.13%
- 16.13% of suppliers screened by the ISO 45001 occupational health and safety standards
- 已制定可持续采购政策的供应商总数 88.39%
- 88.39% of suppliers with sustainable procurement policies

#### 4.3.2. 供应商赋能 Supplier empowerment

我们与供应商持续建立紧密联系，积极搭建信息交流平台，开展座谈会，弘扬科顺公司

的廉洁文化，倡导诚实守信；举办技术交流会议，加强产品开发交流，共同参与产品的开发设计，赋能供应商的未来发展。

We continue to establish close tie with our suppliers. We build information exchange platforms, carry out symposiums and uphold CKS’s culture of integrity and the concept of honesty and trustworthiness. Furthermore, we hold technical exchange meetings, strengthen product development exchanges, and participate in product development and design together with our suppliers to empower their future development.

	
<p>对供应商进行质量管理工具培训 Supplier training on quality management tools</p>	<p>与众和沟通 SBS 包线项目合作交流 Cooperation and exchange with Guangdong Sunion Chemical &amp;Plastic Co.,Ltd on SBS wire wrapping project</p>
	
<p>科顺股份经销商大会 CKS distributor conference</p>	<p>供应商廉洁主题座谈会 Supplier symposium on integrity</p>

**【关键数据】 Key Performance**

- 与供应商开展 3 场阳光座谈会



- 3 sunshine symposiums with suppliers
- 与供应商开展 44 次技术交流会议
- 44 technical exchange meetings with suppliers

#### 4.4. 实现合作共赢 Win-win Cooperation

公司始终坚持“与长期同行者共创共享”的核心价值观，积极发挥行业领先作用，探索合作发展新模式，有效拓宽业务渠道，与相关方在国际化先进技术合作、绿色产业发展等领域实现协作共赢。

Adhering to the core value of “Work for shared benefits with our partners”, we actively play a leading role in the industry, explore new mode of cooperation and development, and effectively broaden business channels to achieve win-win cooperation with related parties in international advanced technology and green industry development.

#### 科顺股份与上海钢之杰达成战略合作

#### The strategic cooperation between CKS and Beststeel

科顺通过与钢之杰合作，未来将发挥双方在光伏建筑一体化领域的技术、产品、服务、市场等方面优势，共同开发前沿产业技术，合作打造产品服务标杆，深化融合发展，为能源转型升级、实现国家“双碳”目标助力。

By working with Beststeel, CKS will draw on the strengths in terms of technology, product, service, and market in PV building integration. The aim is to jointly develop the cutting-edge industrial technology, build the benchmark for product and service, deepen the integrated development, contributing to the energy transformation and upgrading and the China's 30•60 Decarbonization Goal.



科顺股份与巴斯夫中国升级战略伙伴关系

**The strategic partnership between CKS and BASF China**

双方正式升级战略协同关系，实现上下游产业链联合研发，促进防水材料研发创新与项目技术协同，引领防水行业质量标准提高与规范化发展。科顺将与巴斯夫以优质技术产品、创新服务理念，引领用户需求变革与行业转型升级，携手共创绿色建材新时代。

CKS and BASF China formally expanded their relationship to strategic partnership to achieve joint R&D in the upstream and downstream industry chain, promote the development and innovation of waterproofing product, improve project and technology collaboration, and lead the waterproofing industry to raise quality standards and to achieve standardized development. The two parties will take the lead in customer demands and promote industrial transformation and upgrading with quality technical products and innovative service, marching into a new era of green building materials.



科顺股份与广州建筑产业研究院达成合作

**The cooperation between CKS and GMC Industrial Research Institute**

本次合作旨在充分利用双方优势资源，在产业融合、项目建设、技术交流、绿色建筑等诸多领域系统深入合作，实现在国家绿色发展背景下的突破创新，为实现双方可持续发展目标共创共享。

The cooperation aims to make full use of the resources of both parties. It was carried out systematically in many fields such as industrial integration, project construction, technology exchange and green building to actualize the innovation breakthrough against the backdrop of national green development and their sustainable development goals.



**【潜心·科顺】以深厚技术积淀，助力建筑减隔震行业发展**

**【CKS Concentration】 Profound technology know-how supports the industry of seismic isolation and shock absorbing**

2022 年，科顺股份完成对减隔震企业丰泽股份的并购，并派驻相应的管理团队协助丰泽股份经营管理，实现了上半年营业收入同比增长 58.93% 的亮眼成绩。

In 2022, CKS acquired Fengze Holdings which specializes in seismic isolation and shock absorbing and sent a management team to assist Fengze Holdings in its operation and management, realizing a year-on-year increase of 58.93% in revenues in the first half of 2022.

凭借二十余年的深厚技术积淀，丰泽股份与石家庄铁道大学共建了河北省减隔震技术及装置工程技术研究中心（减隔震中心）以及“省级博士后工作站”，荣获“河北省企业技术中心”、“河北省千家领军企业”，主导或参编标准 28 项，其中国标 8 项，行标 8 项。

With more than two decades of practice, Fengze Holdings and Shijiazhuang Tiedao University jointly built the Hebei Seismic Isolation and Shock Absorbing Technology and Device Engineering Research Center (Seismic Isolation and Shock Absorbing Center) and the Provincial Postdoctoral Research Center. Awards such as Hebei Province Enterprise Technology Center and Hebei Province Thousand Leading Enterprises were granted. They also engaged in the drafting of 28 standards, including eight state-level and eight industry-level standards.

近年来，丰泽“磁致渗透热场高速硫化技术”获得第九届中国技术市场协会金桥奖，优秀项目奖。“弹塑性防落梁球型钢支座”被中国交通企业管理协会交通产品分会认定为全国交通建设创新产品，“叠层橡胶支座磁致渗透热场高速硫化技术”和“智慧支座及信息采集决策系统”被河北省高新技术企业协会认定为高新技术产品，还获得中国钢结构协会科技特等奖 1 项，中国铁道学会科技一等奖 1 项。

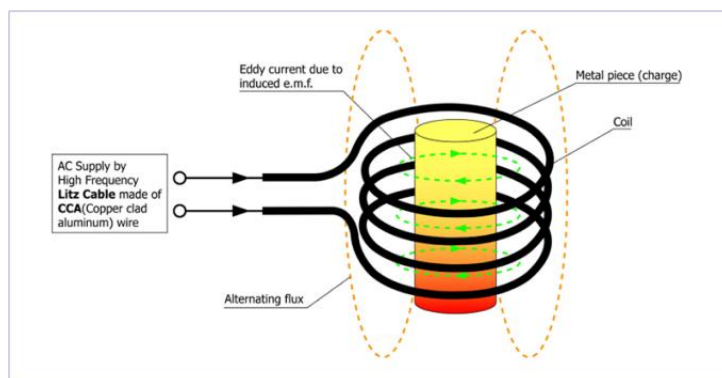
Fengze's technology of magnetic-induced thermal field high-speed vulcanization has won the 9th China Technology Market Association Golden Bridge Award and Excellent Project Award. Its spherical steel bearings of elastic-plastic anti-falling beams have been recognized as a national innovative product in transportation and construction by the Transportation Product

Branch of the China Association of Communication Enterprise Management. Its "high-speed vulcanization technology of laminated rubber bearings in magnetic-induced thermal fields" and "intelligent bearings and information collection decision-making system" have been recognized as high-tech products by Hebei High-tech Enterprise Association, and also won one special prize by the China Steel Construction Association and one first prize by China Railway Society.



金属支座自动化柔性生产装配线

Metal bearing automated flexible production assembly line



磁致渗透热场高速硫化技术示意图

Magnetic-induced thermal field high-speed vulcanization

## 5. 守护社区——共建温暖家园 Engaging in the Community- Joint Efforts for a Better Homeland

科顺践行“延展建筑生命 守护美好生活”的企业使命，勇担社会责任，通过支持乡村教育、持续开展扶贫工作助力乡村振兴，热心公益慈善，为共建温暖社区贡献自身力量。

To fulfill the mission of “safeguarding wonderful life with lasting buildings”, CKS takes social responsibility by supporting rural education, carrying out poverty alleviation for rural vitalization and public charity, contributing to building a warm and close-knit community.

### 响应联合国可持续发展目标 Contributions to UN SDGs



#### 【关键绩效】 Key performance

- 第十二届公益节“2022ESG 践行典范奖”
- The 2022 ESG Practice Model Award at the 12th Philanthropy Festival in 2022

### 5.1. 助推乡村振兴 Support for Rural Vitalization

在国家“乡村振兴”的战略下，科顺积极寻找有针对性的公益行动，通过公益项目支持乡村教育；持续开展扶贫公益活动，巩固扶贫成果，为乡村振兴贡献自己的力量。

To respond to the national strategy of rural vitalization, we not only seek targeted public welfare actions to support rural education through public welfare projects, but also carry out public welfare activities related to poverty alleviation to consolidate the achievements of poverty alleviation.

#### 【案例】“守护晴天”公益项目支持乡村教育

#### 【Case】 A public welfare project to support rural education

2022 年，科顺与北京感恩基金会联合，持续开展“守护晴天”公益项目，以乡村学校个

性化的困难为切入点，帮助乡村学校，每年实现“一个梦想”。

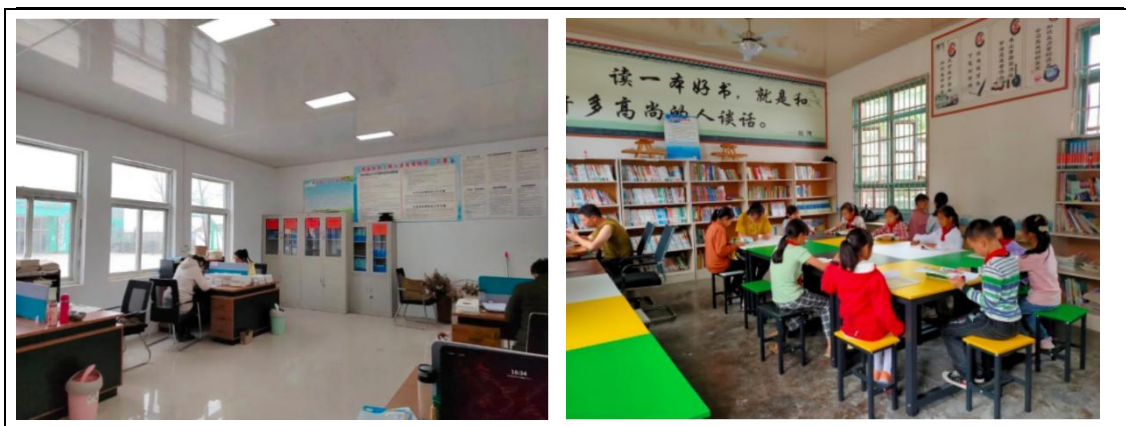
In 2022, CKS and Beijing Gratitude Foundation carried out the “protecting the sunny days” public welfare project. Focusing on the actual difficulties of rural schools, the project aims to help each school realize “one dream” every year.

**张小楼小学屋顶修缮：**张小楼小学位于河南省商丘市民权县褚庙乡张小楼村，学校成立于二十世纪五十年代，由于年久失修，教室和办公室房顶的瓦片掉落或碎开，完全无法遮风挡雨，铺上的防雨布也破烂不堪，房顶出现多处破损，整体教学环境恶劣，且存在安全隐患。科顺“校园有晴天”项目为张小楼小学完成的梦想是屋顶修缮以及改善教学办公环境，最终让孩子们渴望的“不掉灰”的教室走进现实。

**Roof repair at Zhangxiaolou Elementary School:** Located in Zhang Xiaolou Village, Minquan County, Shangqiu, Henan Province, Zhangxiaolou Elementary School was established in the 1950s. Falling into disrepair, the roof tiles of classrooms and offices fall off and break apart, which failed to protect the school from wind and rain. The tattered rainproof cloths and the dilapidated roof, which constitute potential safety hazards, are the causes for the poor teaching environment. Therefore, the project has repaired the roof and improved the teaching and working environment. Children can be educated in a safe and clean environment like they always pined for.

**古龙坝村小学书屋改造：**贵州省遵义市正安县流渡镇古城村古龙坝村小始建于 1941 年，是古城村唯一的小学。学校的图书屋现存书籍老旧，阅览桌来自破旧书桌，布满缺口和伤痕，摇摇晃晃，仅能勉强使用。科顺“校园有晴天”项目为古龙坝村小完成的梦想是书屋改造。改造后的图书屋满足了孩子们的阅读需求，引领他们走向充满更多可能的未来。

**Reading room renovation at Gulongba Village Elementary School:** Founded in 1941, Gulongba Village Elementary School, located in Gugong Village, Zhengan County, Zunyi, Guizhou Province, is the only elementary school in the village. In addition to the outdated books in the reading room, the precarious reading tables that originated from worn-out desk with chips and scars, were barely usable. The project aims to renovate the reading room for the school. After the renovation, the reading room met the children’s reading needs, opening up more possibilities for a brighter future.



**【案例】持续开展沃柑公益团购活动**

**【Case】A public welfare activity of fertile orange group buying**

2019 年，科顺与广西德保县都安乡建立起精准扶贫定点帮扶关系。当时，坡那村是广西省德保县“十三五”规划的 52 个自治区深度贫困村之一。科顺对坡那村进行扶贫款捐助，用于村贫困群众扶持及村扶贫产业发展；同时进行教育援助，采购书本、文具等学习物资，守护儿童们的美好校园生活。

In 2019, CKS began to provide targeted poverty alleviation support for Debao County, Guangxi Province. Pona Village was one of the 52 impoverished villages listed by the Debao County in autonomous regions during the 13th Five-Year Plan period. CKS donated money to the village to support the disadvantaged people and to promote the local industrial development. The Company provided education assistance, such as the purchase of books, stationery, and other learning materials, to ensure all children fulfill their potential in school.

2020 年，德保县特色扶贫农产品沃柑出现滞销困境，科顺了解情况后，积极与当地沟通联系，在全集团开展“广西沃柑公益团购”活动，为果农缓解销售压力，实现增收。如今，科顺结对帮扶的坡那村已经脱贫。

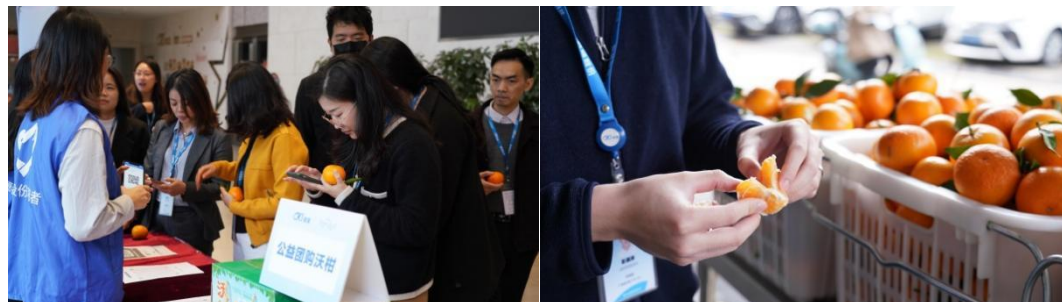
In 2020, fertile oranges, the special poverty alleviation agricultural products in De Bao County, were of slack demand in the market. After getting a full picture, CKS actively communicated with the local suppliers and carried out “Guangxi fertile orange group buying” activity in the company, alleviating farmers’ sales pressure and increasing their income. At present, the Pona Village has been lifted out of poverty.

2022 年，农产品公益团购活动仍在继续开展，科顺再度动员内部员工进行公益沃柑团



购，巩固扶贫成果，持续助力乡村振兴。

In 2022, we continued to carry out the public welfare activity of fertile orange group buying and mobilize our staff to engage in the activity to consolidate the achievements of poverty alleviation and contribute to rural vitalization.



## 5.2. 热心公益慈善 Engagement in Charity

科顺始终秉承企业发展与社会责任并重的理念，携手合作伙伴，充分发挥建设能力和资源优势，通过志愿服务与公益捐赠，以技术、服务、资金、物力等多种方式，参与到公益慈善活动当中，以切实行动守护美好生活，践行公益初心。

Focusing on both enterprise development and social responsibility, CKS, together with the partners, engages in volunteering and public welfare donations by leveraging the construction strength and resource advantages. We take practical actions, such as providing technology, services, funds, and resources, to better people's life and practice our founding mission.

### ● 志愿服务 Volunteering

公司倡导志愿服务精神，组织员工参与抗震救灾、公共卫生防控等志愿服务，携手员工践行公益，共建我们的美好家园。

We advocate the spirit of volunteerism and mobilize employees to partake in earthquake relief, public health prevention and control and other volunteer services, striving to build a wonderful community with our employees.

#### 【案例】驰援四川泸定地震灾区

#### 【Case】Earthquake relief in Luding

2022年9月5日，四川甘孜州泸定县发生6.8级地震，雅安市石棉县等地灾情严重，当地人民群众生命财产安全遭受严重损失。科顺密切关注地震灾情，成都分公司总经理何胜建

带领业务团队，与核心经销商四川中天石防水工程有限公司快速组建援助队伍，联系相关政府部门，对灾情状况、受灾区域、捐赠点、物资需求等进行详细了解；迅速开展急救与生活物资采购、安排运输车辆、筹备公益捐赠等社会救灾行动，帮助缓解灾区部分物资紧缺问题；深入泸定震区，积极协助安置点物资搬卸、运送、发放等工作，并配合现场进行其他援助。科顺所发挥的企业公益力量，迅速汇入到“一方有难，八方支援”的全社会暖流中，以实际行动为灾区同胞及紧张的救援工作助力。

On September 5, 2022, a magnitude-6.8 earthquake jolted Luding County, Ganzi Prefecture, Sichuan Province, with Shimian County in Ya'an being one of the hardest-hit places. The earthquake threatened local people's property and even their lives. In response, CKS paid close attention to the earthquake damage and took various actions. He Shengjian, a General Manager of CKS's Chengdu Branch led the business team to build a relief team with its core distributors, Sichuan Zhongtianshi Waterproof Engineering Co., Ltd., and contacted relevant government departments to gain a clear picture about the disaster, the affected areas, donation drop-offs and material demands. We carried out various social relief actions, including first aid performance and necessity procurement, transport vehicles, and public welfare donations, to relieve the pressure brought by the shortage of materials in the affected areas. We also got involved in the removal, unloading, transportation and distribution of materials and other assistances at the resettlement sites in Luding. As a Chinese saying goes, "when trouble occurs at one spot, help comes from all quarters". The public welfare action taken by CKS is a prime example to provide relief for disaster areas.



● **公益捐赠 Public donation**

2022 年，针对自然灾害、公益修缮、公益助学、公共卫生防控等相关社会事件，公司发挥自身力量，积极开展公益捐赠，通过捐款捐物助力公益事业，以爱心回馈社会。

In 2022, in response to natural disasters, public welfare repair and education, and public health prevention and control, we carry out public donations with our own effort, contributing to the public welfare and the society.

**【暖心·科顺】关注特殊教育，共享美好未来**

**【CKS Warmth】 Special education for a better future**

启智学校是顺德区唯一一家特殊学校，作为一家负责任的上市企业，科顺股份心系顺德特殊教育，将助学教学作为企业践行社会责任的重要内容，并整合企业优势资源，为推动教育事业提供多元、系统的帮助与扶持。

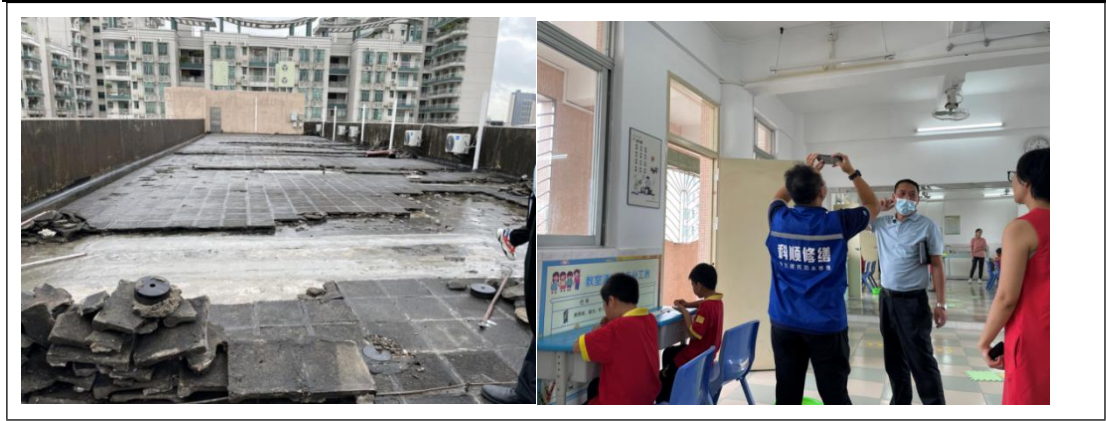
As a responsible listed company, CKS focuses on special education in Shunde District, Foshan. We regard student assistance as a key approach to practicing corporate social responsibility and integrate our advantageous resources to provide diversified and systematic educational support.

自 2021 年起，科顺股份便为启智学校实地勘察校园建筑漏水情况。根据学校实际漏水情况，出具勘察报告，并量身定制校园修缮方案，同时为学校捐赠对应的修缮材料，帮助学校解决问题。

Since 2021, CKS has been conducting on-site surveys of water leaks at Qizhi School, the only special school in Shunde District. Based on the survey, we wrote a report, customize the repair plan, and donate corresponding repair materials to help the school address the problem.

2022 年 2 月 17 日，顺德启智学校的校方代表一行到访科顺股份顺德总部，双方就校企合作、顺德特殊教育、校园建筑安全等进行了座谈交流。在座谈会上，启智学校校长申承林衷心感谢科顺股份的爱心捐助，并称企业的实际行动让学校师生们感受到社会对特殊教育的关爱与支持。科顺股份会继续坚持将“延展建筑生命，守护美好生活”的企业使命融会贯穿于企业责任与公益事业当中，传递社会关爱，共沐美好晴天。

On February 17, 2022, a delegation of school representatives from Qizhi School, together with CKS, had an exchange on school-enterprise cooperation, special education in Shunde, and campus building safety in CKS's headquarters. During the exchange, Shen Chenglin, the principal of Qizhi School, expressed his heartfelt gratitude for the donation from CKS and said that the action reflected society's concern and support for special education. We will remain true to our corporate mission of "safeguarding wonderful life with lasting buildings" while practicing corporate responsibility and carrying out public welfare activities, striving for a better future.



## 报告结尾 Closing

### 1. 展望 2023 Outlook 2023

2022 年，是国家“十四五”规划实施的关键之年，亦是科顺实现高质量高水平稳步发展的一年。科顺积极履行社会责任，严格遵守国家法律法规和标准，公司治理水平持续提升，各项规章制度进一步完善，始终将安全生产放在公司经营管理的首要位置，报告期内未出现重大质量、环保和安全事故。同时，公司为助力绿色产业发展，积极拓宽业务领域，取得了丰硕成就。

2022 is a critical year for the implementation of the 14th Five-Year Plan and a year for CKS to achieve quality and steady development. We actively fulfilled our social responsibility and improved our corporate governance and policies in accordance with national laws, regulations, and standards. We always gave priority to work safety in our operation and management and there was no major quality, environmental and safety accidents during the reporting period. To promote the development of green industry, we expanded our business and have made desirable achievements.

2023 年，科顺将进一步完善和丰富履责行动，凝心聚力，有所作为。

In 2023, we will further improve and enrich its actions to fulfill our responsibilities and contribute to the society.

科顺将秉承“与长期同行者共创共享”的核心价值观，进一步提升治理能力，完善制度建设，保障股东及员工权益，坚持合规经营，遵守商业伦理，积极践行“共生文化”，促进公司管理水平的不断提升，与利益相关方实现长期共赢的良好合作关系。

Upholding the value of “Work for shared benefits with our partners”, we will improve our governance capability and policies to protect the rights of our shareholders and employees. Abiding by business ethics, we will act with integrity and actively practice the concept of cultural integration to improve our management and achieve a long-term relationship with our stakeholders.

科顺坚持“技术科顺、创新科顺、服务科顺”的经营理念，进一步落实安全生产，推动数字化转型，加强创新研发，完善服务体系建设，为客户提供更加优质的产品与服务，大力提

升客户满意度，提升企业核心竞争力，引领行业升级与发展。

Adhering to the business philosophy of “[Technology Integrity Service](#)”, we will further carry out safe production, promote digital transformation, strengthen innovation and R&D, and improve our service system to provide customers with better products and services and improve customer satisfaction. By doing so, we can enhance our core competitiveness and promote the industrial upgrading and development.

科顺始终立足于“延展建筑生命，守护美好生活”的企业使命，积极响应国家“双碳”战略的号召，坚持清洁生产，提供绿色产品，助力绿色新兴产业发展，实现节能降耗，保护生态环境；积极参与公益事业，助力乡村振兴，将经济效益与社会效益有机结合，为创造美好和谐的人居环境贡献力量。

Upholding the corporate mission of “safeguarding wonderful life with lasting buildings”, we will, in response to China’s 30•60 Decarbonization Goal, carry out clean production, provide green products, promote the development of emerging green industries to realize energy saving and consumption reduction. Besides, we will actively engage in public welfare to advance rural vitalization. By combining economic and social benefits, we aim to create a beautiful and harmonious environment for people to live.

未来，科顺将保持初心，与时俱进，积极学习行业内的宝贵经验，不断提升公司的履责能力，肩负行业引领者的责任担当，在新时代、新征程中持续创造，实现“与人类美好建筑共百年”的伟大愿景。

Looking forward, we will remain true to our founding mission, keep pace with the times, and learn from the valuable experience in the industry. We will continuously improve our ability to fulfill our responsibilities as an industry leader, striving for the great vision of “developing time-honored buildings for mankind” in the new era.

## 2. 指标索引 ESG Reporting Guide Index

A.环境 A. Environmental			
层面 Aspect	指标编号 Indicator No.	指标内容 Indicator	所在报告位置 Page
层面 A1: 排放物 Aspect A1- Emissions	一般披露 General Disclosure	有关废气及温室气体排放、向水及土地的排污、有害及无害废弃物的产生等的： (a) 政策；及 (b) 遵守对发行人有重大影响的相关法律及规例的资料。 Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non- hazardous waste	P40-P43
	A1.1	排放物种类及相关排放数据。 The types of emissions and respective emissions data	P43-47
	A1.2	直接（范围 1）及能源间接（范围 2）温室气体排放量（以吨计算）及（如适用）密度（如以每产量单位、每项设施计算）。 Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	P44
	A1.3	所产生有害废弃物总量（以吨计算）及（如适用）密度（如以每产量单位、每项设施计算）。 Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility)	P46-P47
	A1.4	所产生无害废弃物总量（以吨计算）及（如适用）密度（如以每产量单位、每项设施计算）。 Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility)	P46-P47



	A1.5	描述所订立的排放量目标及为达到这些目标所采取的步骤。 Description of emission target(s) set and steps taken to achieve them	P43-47
	A1.6	描述处理有害及无害废弃物的方法，及描述所订立的减废目标及为达到这些目标所采取的步骤。 Description of how hazardous and nonhazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them	P46-P47
<b>层面 A2:</b> <b>资源使用</b> <b>Aspect A2-Use of</b> <b>Resources</b>	一般披露 General Disclosure	有效使用资源（包括能源、水及其他原材料）的政策。 Policies on the efficient use of resources including energy, water and other raw materials	P43-P47
	A2.1	按类型划分的直接及/或间接能源（如电、气或油）总耗量（以千个千瓦时计算）及密度（如以每产量单位、每项设施计算）。 Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in'000s) and intensity (e.g. per unit of production volume, per facility)	P44
	A2.2	总耗水量及密度（如以每产量单位、每项设施计算）。 Water consumption in total and intensity (e.g. per unit of production volume, per facility)	P45-P46
	A2.3	描述所订立的能源使用效益目标及为达到这些目标所采取的步骤。 Description of energy use efficiency target(s) set and steps taken to achieve them	P43-P44
	A2.4	描述求取适用水源上可有任何问题，以及所订立的用水效益目标及为达到这些目标所采用的步骤。 Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them	P45-P46
	A2.5	制成品所用包装材料的总量（以吨计算）及（如适用）每生产单位占量。 Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced	P47-P48

层面 A3: 环境及天然资源 <b>Aspect A3-The Environment and Natural Resources</b>	一般披露 General Disclosure	减低发行人对环境及天然资源造成重大影响的政策。 Policies on minimizing the issuer's significant impact on the environment and natural resources	P40-P43
	A3.1	描述业务活动对环境及天然资源的重大影响及已采取管理有关影响的行动。 Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them	P47-P54
层面 A4: 气候变化 <b>Aspect A4- Climate Change</b>	一般披露 General Disclosure	识别及应对已经及可能会对发行人产生影响的重大气候相关事项的政策。 Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issue	P40-P41
	A4.1	描述已经及可能会对发行人产生影响的重大气候相关事项, 及应对行动。 Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them	P44
<b>B.社会 Social</b>			
层面 B1: 雇佣 <b>Aspect B1-Employment</b>	一般披露 General Disclosure	有关薪酬及解雇、招聘及晋升、工作时数、假期、平等机会、多元化、反歧视以及其他待遇及福利的: (a) 政策; 及 (b) 遵守对发行人有重大影响的相关法律及规例的资料。 Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare	P55-P60
	B1.1	按性别、雇佣类型(如全职或兼职)、年龄组别及地区划分的雇员总数。 Total workforce by gender, employment type (for example, full or part-time), age group and geographical region	P56-57
	B1.2	按性别、年龄组别及地区划分的雇员流失比	暂无

		率。 Employee turnover rate by gender, age group and geographical region	No data
<b>层面 B2:</b> <b>健康与安全</b> <b>Aspect B2-Health and Safety</b>	一般披露 General Disclosure	有关提供安全工作环境及保障雇员避免职业性危害的： (a) 政策；及 (b) 遵守对发行人有重大影响的相关法律及规例的资料。 Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards	P29-P31
	B2.1	过去三年（包括汇报年度）每年因工作亡故的人数及比率。 Number and rate of work-related fatalities occurred in each of the past three years including the reporting year	P30
	B2.2	因工伤损失工作日数。 Lost days due to work injury	P30
	B2.3	描述所采纳的职业健康与安全措施，以及相关执行及监察方法。 Description of occupational health and safety measures adopted, how they are implemented and monitored	P29-P31、 P59-P60
<b>层面 B3:</b> <b>发展及培训</b> <b>Aspect B3-Development and Training</b>	一般披露 General Disclosure	有关提升雇员履行工作职责的知识及技能的政策。描述培训活动。 Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities	P60-P61
	B3.1	按性别及雇员类别（如高级管理层、中级管理层等）划分的受训雇员百分比。 The percentage of employees trained by gender and employee category (e.g. senior management, middle management)	P61
	B3.2	按性别及雇员类别划分，每名雇员完成受训的平均时数。 The average training hours completed per employee by gender and employee category	P61

<p>层面 B4: 劳工准则</p> <p>Aspect B4-Labour Standards</p>	<p>一般披露 General Disclosure</p>	<p>有关防止童工或强制劳工的： (a) 政策；及 (b) 遵守对发行人有重大影响的相关法律及规例的资料。 Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labor</p>	P55-P56
	B4.1	<p>描述检讨招聘惯例的措施以避免童工及强制劳工。 Description of measures to review employment practices to avoid child and forced labor</p>	P55-P56
	B4.2	<p>描述在发现违规情况时消除有关情况所采取的步骤。 Description of steps taken to eliminate such practices when discovered</p>	P54、P57
<p>层面 B5: 供应链管理</p> <p>Aspect B5-Supply Chain Management</p>	<p>一般披露 General Disclosure</p>	<p>管理供应链环境及社会风险的政策。 Policies on managing environmental and social risks of the supply chain</p>	P75
	B5.1	<p>按地区划分的供货商数目。 Number of suppliers by geographical region</p>	P76
	B5.2	<p>描述有关聘用供货商的惯例，向其执行有关惯例的供货商数目、以及有关惯例的执行及监察方法。 Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored</p>	P75-P76
	B5.3	<p>描述有关识别供应链每个环节的环境及社会风险的惯例，以及相关执行及监察方法。 Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored</p>	P75-P76
B5.4	<p>描述在拣选供货商时促使多用环保产品及服务的惯例，以及相关执行及监察方法。 Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.</p>	P75-P76	

<p>层面 B6: 产品责任</p> <p>Aspect B6-Product Responsibility</p>	一般披露 General Disclosure	<p>有关所提供产品和服务的健康与安全、广告、标签及私隐事宜以及补救方法的:</p> <p>(a) 政策; 及</p> <p>(b) 遵守对发行人有重大影响的相关法律及规例的资料。</p> <p>Information on:</p> <p>(a) the policies; and</p> <p>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.</p>	P24-28、 P32-P35
	B6.1	<p>已售或已运送产品总数中因安全与健康理由而须回收的百分比。</p> <p>Percentage of total products sold or shipped subject to recalls for safety and health reasons</p>	不适用 Not applicable
	B6.2	<p>接获关于产品及服务的投诉数目以及应对方法。</p> <p>Number of products and service-related complaints received and how they are dealt with</p>	P32-P33
	B6.3	<p>描述与维护及保障知识产权有关的惯例。</p> <p>Description of practices relating to observing and protecting intellectual property rights</p>	P66-P69
	B6.4	<p>描述质量检定过程及产品回收程序。</p> <p>Description of quality assurance process and recall procedures</p>	P26
	B6.5	<p>描述消费者数据保障及私隐政策, 以及相关执行及监察方法。</p> <p>Description of consumer data protection and privacy policies, how they are implemented and monitored</p>	P32-P33
<p>层面 B7: 反贪污</p> <p>Aspect B7-Anti-corruption</p>	一般披露 General Disclosure	<p>有关防止贿赂、勒索、欺诈及洗黑钱的:</p> <p>(a) 政策; 及</p> <p>(b) 遵守对发行人有重大影响的相关法律及规例的资料。</p> <p>Information on:</p> <p>(a) the policies; and</p> <p>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering</p>	P16-P17

	B7.1	于汇报期内对发行人或其雇员提出并已审结的贪污诉讼案件的数目及诉讼结果。 Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases	P16-P17
	B7.2	描述防范措施及举报程序，以及相关执行及监察方法。 Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored	P16-P17
	B7.3	描述向董事及员工提供的反贪污培训。 Describe of the anti-corruption training provided to directors and employees.	P17
层面 B8： 社区投资 Aspect B8-Community Investment	一般披露 General Disclosure	有关以社区参与来了解发行人营运所在社区需要和确保其业务活动会考虑社区利益的政策。 Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests	P80-P83
	B8.1	专注贡献范畴（如教育、环境事宜、劳工需求、健康、文化、体育）。 Focus areas of contribution (e.g. education, environmental concerns, labor needs, health, culture, sport)	P80-P83
	B8.2	在专注范畴所动用资源（如金钱或时间）。 Resources contributed (e.g. money or time) to the focus area	P80-P83

### 3. 专家点评 Expert Opinions

作为国内防水建材行业的引领者，科顺以简洁清晰的文字与图表，向利益相关方发布了科顺 2022 年度的 ESG 报告。报告系统披露了科顺 2022 年在环境、社会及公司治理三个方面的亮点举措及关键绩效，较好体现了科顺“延展建筑生命，守护美好生活”的企业使命及“与长期同行者共创共享”的价值观。

As a domestic waterproofing and building materials leader, CKS presents ESG report 2022 to stakeholders concisely and clearly. This report discloses CKS's ESG key measures and performance in 2022, better demonstrating CKS's mission of "safeguarding wonderful life with lasting buildings" and the core value of "Work for shared benefits with our partners."

该报告框架别具一格，具有鲜明行业特征和企业特色。报告延续了科顺一直以来的“五大守护”主题，将实质性议题与“守护品质”、“守护家园”、“守护英才”、“守护未来”、“守护社区”五大维度紧密结合，既具有鲜明的行业特点，又体现独特的企业实践。报告通过丰富的案例、准确的数据、多样的图片，重点披露了相关履责行动，较好展现了科顺始终将满足利益相关方的期望与自身业务相结合，积极履行社会责任，为实现国家“双碳”战略目标做出突出贡献，为全球可持续发展付出努力。

The framework of the report is unique, with distinctive industry characteristics and corporation features. The report presents material topics under the five established CKS themes of "maintaining quality", "safeguarding the earth", "supporting talent", "planning for future", and "engaging in the community", which not only possesses distinctive industry characteristics but also reflects unique corporate practices. Diverse cases and photos and accurate data reflect CKS' s CSR actions, showing that when doing business, CKS meets the expectations of stakeholders, fulfills social responsibilities, and contributes to China's 30 · 60 Decarbonization Goal and global sustainable development.

报告紧跟社会热点话题，重视相关方关注和诉求。聚焦 ESG 治理、依法合规经营、产品质量与安全、优质客户服务、员工权益保障、职业安全与健康、科技创新、数字化转型、可持续供应链等公众关注的社会热点，重视利益相关方的关注焦点，积极披露相关履责行动及亮点绩效，致力于实现相关方的价值和社会价值的统一。

The report responds to well-discussed topics and attaches importance to the concerns and

demands of stakeholders, such as ESG governance, compliance and operation, product quality and safety, quality customer service, employee rights protection, occupational safety and health, technological innovation, digital transformation, sustainable supply chain, etc. It addresses the concerns of stakeholders, actively disclose CKS's CSR actions and key performance, and devote to achieving the unity of values of stakeholders and society..

报告以“心”贯穿全文，具有很好的阅读体验。报告将“匠心”“秉心”“衷心”“潜心”“暖心”作为创新点，结合自身 2022 年的亮点履责举措，以案例故事形式进行篇章收尾，体现科顺的人文情怀，增添报告趣味性，拉近与读者的距离，进一步加深利益相关方对科顺积极履责的印象。

The report presents "heart" throughout the text, which provides a better reader experience. The report reflects CKS's craftsmanship, commitment, devotion, concentration, and warmth. Key performance measures in 2022 are told by case stories at the end of each chapter, reflecting CKS's care and making the report more appealing to readers. These cases reinforce the impression that CKS shoulders its responsibilities actively.

殷格非 Yin Gefei

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## 4. 意见反馈表 Feedback Form

为了不断改进公司的社会责任工作，我们希望得到您的反馈，这将成为我们改善和提高的重要依据。希望您百忙中对本报告和我们的工作提出宝贵意见。

In order to continuously improve our social responsibility work, we sincerely invite you to feed back your valuable opinions on this report and our work from my busy schedule.

您的信息： Your information:

姓名： \_\_\_\_\_ 单位： \_\_\_\_\_

电话： \_\_\_\_\_ 邮箱： \_\_\_\_\_

Name: \_\_\_\_\_ Company name: \_\_\_\_\_

Tel.: \_\_\_\_\_ Email: \_\_\_\_\_

您的评价： Your comments:

1. 您认为报告总体上：

很好 较好 一般 较差 很差

1. What do you think of the report as a whole:

Very good  Good  Average  Poor  Very poor

2. 您认为报告披露的信息：

非常丰富 较丰富 一般 较少 很少

2. What do you think of the report in terms of the comprehensiveness of information disclosure

Very good  Good  Average  Poor  Very poor

3. 您认为报告披露信息的质量：

很高 较高 一般 较低 很低

3. What do you think of the information quality of the report

Very good  Good  Average  Poor  Very poor

4. 您认为报告在版式设计上：

很合理 较合理 一般 较差 很差

4. What do you think about the layout design of the report:

Very good  Good  Average  Poor  Very poor

5. 您对公司社会责任工作以及编制、发布可持续发展报告的意见和建议, 请在此提出:
5. Please tell us your opinions and suggestions on our CSR work, the reporting preparation and release of sustainability report:

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