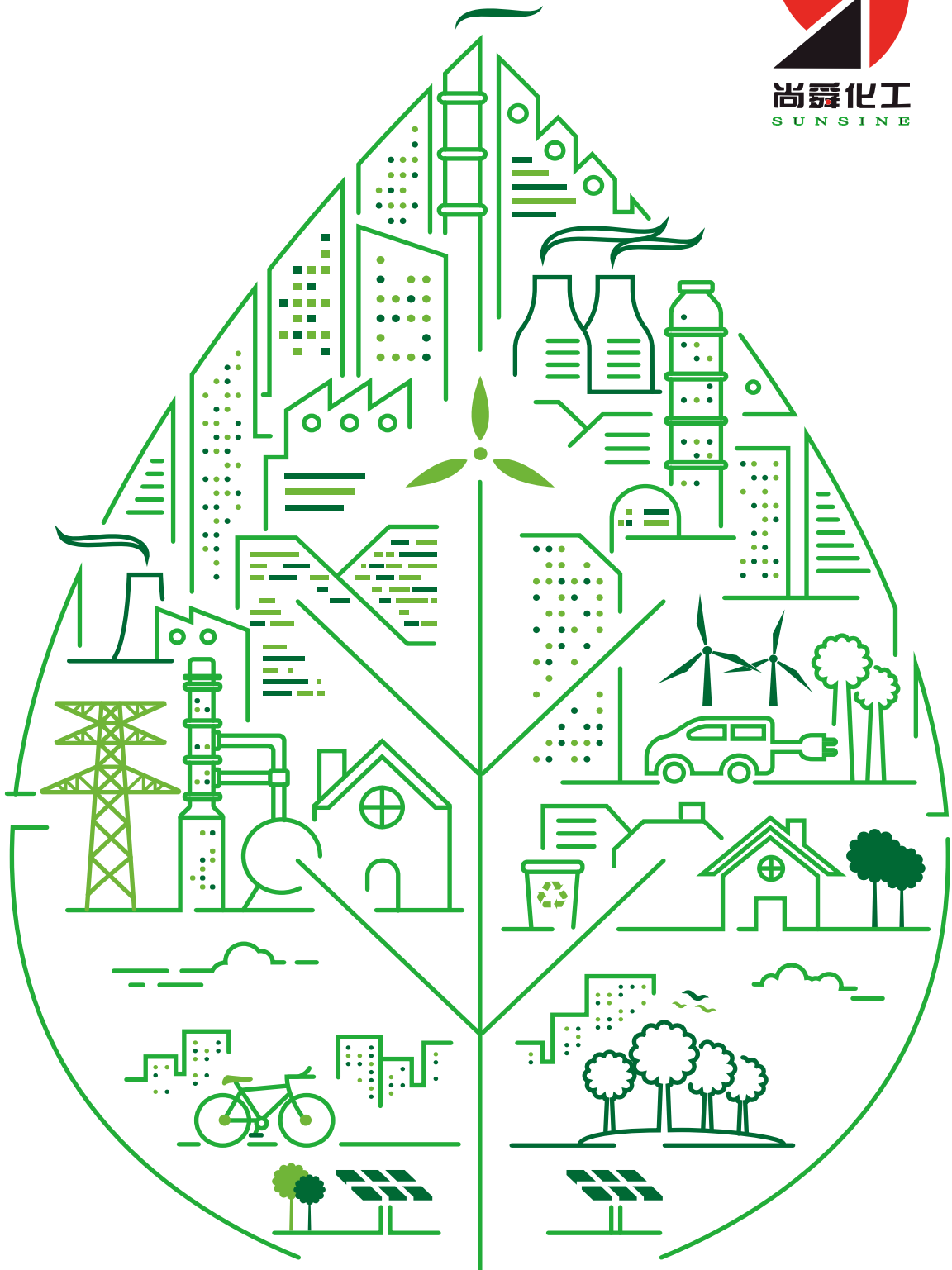




尚舜化工
SUN SINE



SUSTAINABILITY REPORT 2020





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CHAIRMAN'S MESSAGE

主席致辞

“ONLY BY ESTABLISHING SHARED VALUES CAN AN ENTERPRISE DEVELOP SUSTAINABLY FOR A LONG RUN.”

On behalf of the Board, I am pleased to present the sustainability report of China Sunsine Chemical Holdings Ltd. (“China Sunsine”, together with its subsidiaries, collectively the “Group”) for the financial year ended on 31 December 2020 (“FY2020”).

The global economy was badly hit by the unprecedented crisis brought about by the COVID-19 pandemic in 2020. The sharp decline in factory operating rates of the tire industry led to the decrease in demand for rubber chemicals. Coupled with the lower raw material prices compared to the preceding year, the Group's net profit declined last year. However, despite the unfavourable environment, the Group achieved a new record high in its sales volume and grew market share, by leveraging its competitive advantages in scale, capital, brand, product quality, environmental protection and markets. In 2020, the Group continued to maintain its leadership positions as the world's largest rubber accelerator producer and China's largest rubber chemicals enterprise.

The vision of sustainable development is crucial to the Group being able to maintain its leadership position amid intense competition in recent years. Guided by its strategy of “higher sales volume leading to higher production, which in turn stimulates even higher sales”, and in order to meet the market demand for our products and further expand the market share, the Group has formulated a range of expansion plans. This has laid a solid foundation for further growth in market share and long-term sustainable development.

While actively expanding sales, we also demand efficiency from management. Every workshop, department, and person is expected to take necessary steps to lower all types of consumption, control expenses, eliminate wastage, and strengthen its cash flow management. Our employees actively participated and put forward many suggestions in this regard.

Science and technology are productive forces. We must harness scientific and technological innovations to improve productivity. Through technological improvements and effective management, we will be able to yield higher production and lower inventory level. We have also increased our investment in technology innovation during the construction of new projects. The collaboration between our technical staff and universities has resulted in improvements and breakthroughs in the areas of continuous production, energy conservation and reduced water consumption, pre-treatment of wastewater, waste emission reduction, and equipment upgrade.

Environmental protection and safety are the key areas of risk control that remain critical to the company's development. To

ensure normal production, we have implemented a stringent system of “enhancing environmental protection awareness, ensure strict compliance with various regulations, and promote assessment and accountability”. The hard work and active participation of all have paid off to allow the Group to operate free of environmental protection and safety concerns, and thereby raised the overall environmental protection level of the Group.

In 2020, the Group acquired Heze Yongshun Environmental Protection Technology Co., Ltd for a total consideration of RMB 43 million, and invested in a controlled landfill project. These two projects will provide proper treatment and disposal of dangerous waste generated during the manufacture of rubber chemicals, save waste disposal cost, and reduce the environmental risks faced by the Group. In addition, they are able to treat or dispose of the growing amount of solid waste from Heze city which will also bring additional income for the Group.

While further strengthening the management of objectives and improving their implementation, the Group also emphasizes people-oriented practices to enable employees to unleash their capability and potential. Training is conducted to raise employees' skills. The Group also creates a safe and healthy working environment, and strengthen the corporate culture and cohesion.

Only by establishing shared values can an enterprise develop sustainably in the long run.

We place special emphasis on fostering shared values. Established for more than 40 years and listed for more than 10 years, China Sunsine has been profitable for more than 20 consecutive years. It has paid taxes to the country, and created value for every link in our value chain -- customers, enterprises, employees, shareholders, society, the ecology, etc. This was not achieved overnight, but was done with persistence and pragmatism. This approach ensured that the Group could achieve long-term sustainable growth.

We are ready to face any challenges ahead and to welcome a brighter future. We also look forward to your valuable suggestions. Let's work together, hand-in-hand, to benefit our community and create a better home for all.

Xu Chengqiu
Executive Chairman
March 2021



CHAIRMAN'S MESSAGE

主席致辞

“利他并非等闲事，正念既起助远行”

我谨代表董事会，很高兴向大家呈现中国尚舜化工控股有限公司（“中国尚舜”，连同其子公司合称“集团”）截至2020年12月31日的2020财年的《可持续发展报告》。

2020年，受突如其来的新冠疫情的影响，全球经济遭受了重创。轮胎企业的开工率下滑导致对橡胶助剂产品的需求下降；再加上原材料价格总体水平仍低于前一年，因此，集团整体的盈利水平有所下降。面对不利的外部环境，集团凭借着其在规模、资金、品牌、质量、环保及市场等优势，销量再创新高、市场份额进一步扩大！2020年仍然保持着世界最大的橡胶促进剂生产商和中国最大的助剂生产商的领先地位。

持续发展的理念是集团近年来在激烈的竞争环境中仍能保持领先地位的关键。在“以销促产，以产促销”的产销平衡策略的指导下，为了满足市场对我们的产品需求，进一步扩大市场份额，集团制定了一系列的扩产计划，为实现长期可持续发展打下了坚实的基础。

我们在积极扩大销售的同时，苦练内功，向管理要效益。继续贯彻节流方针，把“降低各种消耗、压缩各种费用、杜绝各种浪费、堵塞各种漏洞”贯彻到每个车间、每个部门、每一个人。广大员工积极参与，并提出了许多这方面的改进意见和建议。

科学技术就是生产力，而且要把创新能力转化为可执行的生产力。我们通过一些技术改造和有效的管理，增加了产量，降低了库存，支持了销售的增长；对新的在建项目也加大了技术投入。在我们的技术人员和院校机构合作的共同努力下，集团在连续化生产、节能降耗、废水预处理和减排以及设备改造方面取得了进展和突破。

环保、安全仍然是制约公司发展的最关键因素，是风险防控的重点。为了确保生产的顺利进行，我们推行了“增强环保意识、严守各项制度、强化考核问责”的严格制度。在大家的共同努力下，没有因为环保问题影响生产经营，公司整体环保水平稳中有进。

2020年，集团出资4300万元收购了菏泽永舜环保科技有限公司，并投资建设刚性填埋场。这两个项目能够完全妥善处置集团生产过程中产生的危废，节省了危废处置成本，进一步

降低集团面临的环保风险；于此同时，也有能力处置菏泽市日益增长的固体废弃物，为集团带来一定的收益。

集团在进一步强化目标管理和提高执行力的同时，也强调以人为本，各司其责、各尽其用。为员工培训，提高员工素质，打造安全、健康的工作环境，增强企业的文化建设和加强企业的凝聚力。

“利他并非等闲事，正念既起助远行”。

我们特别强调树立共同价值观。尚舜集团成立四十余载，上市十多年，企业连续二十多年保持盈利，为国家上交了利税，为我们价值链上的每一个环节——客户、企业、员工、股东、社会、生态环境等，创造了可观的价值。这不是一蹴而就的，需要长期的坚守和脚踏实地的执行。只有这样，集团的发展才能够在永续经营的道路上走得更远。

我们已经做好准备，应对各种考验和迎接更美好的未来。也期待您给我们提出宝贵的意见。让我们一起携手，造福社会，共创美好家园。

徐承秋
执行主席
2021年3月





ORGANISATIONAL PROFILE

公司简介

China Sunsine Chemical Holdings Ltd. (“**China Sunsine**” or the “**Company**”, and together with its subsidiaries, collectively the “**Group**”) is a leading specialty chemicals producer, and was listed on the Mainboard of the Singapore Exchange Securities Trading Limited on 5 July 2007. Its main subsidiary, Shandong Sunsine Chemical Co., Ltd was established in 1977 and started off as a chemical plant. It has total assets of RMB 3.2 billion, 2200 employees, 700 professional technical staff over 40 years of development. There are six production bases - Shandong Sunsine, Weifang Sunsine, Sheng Tao, Shandong Hengshun New Materials, Guang Shun, and Yongshun Environmental Protection. The products include Rubber Accelerators, Insoluble Sulphur and Anti-Oxidant. Our products are widely used in and for the manufacture of rubber, tires, shoes, belts, pharmaceuticals and agrochemicals. Our products are exported to over 40 countries and regions. We are number one globally in market position based on total sales volume. We have over 1,000 customers, including 65% of the Global Top 75 tire manufacturers. Guided by our policy of “Adhering to technology, and market-oriented and product quality; Striving to open up new markets, actively developing new products, and improving the Group entirely”, we assume the leading role of developing the world’s rubber chemicals, rely on independent innovation to upgrade the industrial transformation, and strive to achieve energy-saving, emission reduction and sustainable development.

中国尚舜化工控股有限公司(简称“**中国尚舜**”或“**公司**”,与其子公司一起合称“**集团**”)是一家专业化工企业,并于2007年7月5日在新加坡证券交易所主板上市。公司的主要生产子公司. 山东尚舜化工有限公司始建于1977年,前身是国营山东省单县有机化工厂,至此报告发行时已经过40余年的发展,目前拥有总资产32亿元,员工2200多人,专业技术人员近700人,辖山东尚舜、潍坊尚舜、盛陶化工、恒舜新材料、广舜热力、永舜环保六个生产基地。公司产品主要有橡胶促进剂、防老剂、硫化剂等三大类十几个品种,广泛应用于橡胶、轮胎、胶鞋、胶管以及医药、农药等行业,出口40多个国家和地区,销量连续多年位居全球第一,拥有全球1000多家的客户,包括服务超过65%的世界前75强轮胎企业。这些都是由于我们秉承“坚持科技兴化,坚持以市场为导向,以质量求生存,以经济效益为中心,努力开拓新市场,积极开发新产品,全面提高企业素质”的发展方针,以引领世界橡胶助剂发展为己任,依靠自主创新引领产业转型升级,实现节能减排和健康可持续发展。





ABOUT THIS REPORT

关于此报告



This report is prepared in compliance with the requirements of Rules 711A and 711B of the listing manual of the Singapore Exchange Securities Trading Limited (“SGX-ST”), and based on the Global Reporting Initiative (“GRI”) Standards. This report highlights the key economic, environmental, social and governance (“EESG”) related initiatives carried out during the 12-month period from 1 January to 31 December 2020, supported by data on lagging and leading performance indicators.

此报告根据新加坡证券交易所上市手册第 711A 条及 711B 条的要求，参考全球报告倡议组织准则进行编写。此报告披露了中国尚舜集团在 2020 年度的 12 个月内，即，从 2020 年 1 月 1 日到 2020 年 12 月 31 日，对经济、环境、社会和治理方面采取的自发行动。缺陷和突出的表现指标都由相关数据支持。

In 2020, we received feedback as well as suggestions for our Sustainability Report which we greatly appreciate. In this report, we have taken on-board the relevant feedback and suggestions. We continue to welcome feedback from our stakeholders with regards to our sustainability efforts as this will enable us to improve our policies, systems and results. A Survey Feedback Form is included on the last page of this Sustainability Report. We would appreciate it if you could take a moment to complete the Survey Feedback Form and send it to ‘srfeedback@sunsine.com’. Thank you!

2020 年，我们收到了部分利益相关方对我公司可持续性发展报告提出的意见和建议。对此，我公司表示感谢。在今年的可持续性发展报告中，我们采用了部分相关的反馈与建议。我们欢迎利益相关方对于本集团可持续发展的努力给予反馈，以便能够帮助我们提高并改进我们的制度、系统及成绩。我们在报告的最后加入了一张简单的调查反馈表，请在阅读完毕后花费您宝贵的几分钟时间，填写一下此调查反馈表，并扫描电邮至 srfeedback@sunsine.com。十分感谢！



OUR APPROACH TO SUSTAINABILITY

可持续发展方法

Sustainability Steering Committee

可持续发展工作委员会

BOARD

China Sunsine's Board incorporates sustainability issues as part of the Group's strategic formulation. It also offers guidance to the SSC in their deliberation of EESG factors material to China Sunsine's business.

中国尚舜董事会将集团的可持续发展问题作为其战略考量的重要方面，并对可持续性发展委员会的工作作出指导。

SUSTAINABILITY STEERING COMMITTEE ("SSC")

The SSC develops sustainability objectives and strategy, manages and monitors overall sustainability performance of the Group. The SSC makes periodic reports to the board.

SSC 制定可持续发展目标和战略，管理和监控集团的整体可持续发展绩效。SSC 定期向董事会报告。

SUSTAINABILITY TASK FORCE ("STF")

The STF includes representatives across functions and divisions and drives sustainability programme of the Group.

STF 包括各职能部门的代表，并推动集团的可持续发展计划。

ALL STAFF

China Sunsine's employees support the Group's sustainability initiatives, policies and best practices.

中国尚舜的员工支持集团的可持续发展计划，政策和最佳实践。

To enhance our sustainability governance, the Company established a Sustainability Steering Committee led by the General Manager since 2017. We conducted a materiality assessment during the year with the help of an external consultant. Materiality review is conducted every year incorporating inputs from stakeholder engagements.

为推进可持续发展工作的开展，早在 2017 年公司便已成立了以总经理为主任的可持续发展委员会，公司副总经理及各部門主管担任委员会成员，并同咨询师们一起召开了可持续发展评估的研讨会，来确定对于我们公司的利益相关方和重要指标。重要指标将会在利益相关方的回馈基础上每年评估。



OUR APPROACH TO SUSTAINABILITY

可持续发展方法

Sustainability Reporting Process
可持续发展报告程序





OUR APPROACH TO SUSTAINABILITY

可持续发展方法

Stakeholder Engagement 重要利益相关方互动

An important starting point in our sustainability journey is to identify our stakeholders and material aspects relevant to our business. The interests and requirements of key stakeholders are also taken into account when formulating corporate strategies. These key stakeholders include, but are not limited to, customers, suppliers, employees, investors and regulators. We adopt both formal and informal channels of communication to understand the needs of key stakeholders, and incorporate these into our corporate strategies to achieve mutually beneficial relationships.

可持续报告重要的起点是确定利益相关方和关于企业的重要指标。在制定企业可持续性发展策略时，重要利益相关方的利益及要求也被考虑。这些重要利益相关方包括并不仅限于客户、供应商、员工、投资者、及当地政府。我们通过正式或非正式的沟通渠道，了解重要利益相关方的要求，结合公司自身的发展方向，制定合适的发展策略。

The table below sets out the manner in which we engage our stakeholders:

下表显示我们通过各种的方式来与各利益相关方进行沟通：

Stakeholders 利益相关方	Engagement and Communication Channels 沟通渠道	Key concerns and expectations 主要诉求	Our Responses and Actions 履责行动
Customers and consumers 客户	Hotline 热线 Email enquiries 电邮 Customer visit 客户拜访 Onsite audit 客户现场审计 Customer survey 客户调查表 Information disclosure 相关信息披露	Compliance operation 合规运营 Providing green quality products 提供绿色优质产品 Providing quality services 提供品质服务 Rights protection 权益保障	Sparing no efforts to ensure stable and continuous supply 全力保证持续稳定供应 High quality source of materials and product 优质原料保障 Establishing a two-way communication mechanism with customers 建立客户双向沟通机制 Customer Satisfaction Survey 客户满意度调查
Employees and trade unions 员工及工会	Townhall sessions 职工大会 Open dialogues among teams 民主讨论 Intranet portal 内网门户 Relevant information disclosure 相关信息披露	Guaranteeing their basic rights and interests 保障基本权益 Offering suggestions for enterprise development 为企业发展提供建议 Developing employee capabilities and promoting career development 促进能力提升和职业发展 Sense of belongings and recognition 归属感和认同感 Sharing the development achievements with the Company 共享企业发展成果	Protection of employee lawful rights and interests 保障员工合法权益 Creating a good working environment 创造良好工作环境 Organizing employees' representative conferences 召开职工代表大会 Carrying out employee training 实施员工培训 Promoting the reward system for rational proposals 实行合理化建议奖励制度 Increasing investment in employees' occupational health 加大员工职业健康投入 Career planning and development path 职业生涯规划



OUR APPROACH TO SUSTAINABILITY

可持续发展方法

重要利益相关方互动

Stakeholders 利益相关方	Engagement and Communication Channels 沟通渠道	Key concerns and expectations 主要诉求	Our Responses and Actions 履责行动
Environment 环境	Regular reporting 定期报告 Relevant information disclosure 加强信息披露	Realizing cleaner production 实现清洁生产 Implementing energy conservation and emission reduction 落实节能减排 Protecting ecological environment 保护生态环境	Cooperating with environmental protection departments to conduct inspections 配合环保部门检查 Promoting cleaner production 推进清洁生产 Research and develop in green production process 研发绿色生产工艺 Organizing environmental protection activities 开展环保公益活动 Waste recycling 废弃物回收利用
Communities 当地社区，公众和非政府组织	Official website 公司官网 Social responsibility report 社会责任报告 Interviews and meetings 走访交流 Various social and charity events 各种社区和公益活动	Serving community development 参与社区建设 Working for public benefit 投身社会公益 Creating job opportunities 提供就业机会 Helping poor and disadvantaged groups 支持贫困地区和弱势群体	Driving employment and local economic development 带动就业和当地经济发展 Supporting local suppliers 扶持本地供应商 Supporting education 支持教育事业 Volunteer activities 志愿行动 Contributing to the community environmental constructions 美化社区环境
Government and regulators 政府	Face-to-face meetings 面谈 Regular reports 定期汇报 Participation in discussions 参与讨论	Abiding by laws and regulations 守法合规 Serving national economic development 服务国家和当地经济发展 Increasing the local employment rate 带动当地就业 Ensuring production safety 确保安全生产	Paying taxes 依法纳税 Reporting to work regularly 定期汇报工作 Realizing prudent operation 实现稳健经营 Strengthening safety management 加强安全管理 Most of our employees are local 当地招聘员工
Suppliers and service providers 供应商	Face-to-face meetings 面谈 Annual review and feedback sessions 年度审核及回馈	Realizing fair and transparent procurement 实施公平、透明采购 Promoting joint development 促进共同发展 Timely fulfilment of the contracts 按时履行合同	Promoting stable purchasing policy 推行稳定采购政策 Establishing fair and transparent procurement principle and process 建立公平透明的采购流程 Helping suppliers make progress 帮助供应商进步



OUR APPROACH TO SUSTAINABILITY

可持续发展方法

Stakeholder Engagement 重要利益相关方互动

Stakeholders 利益相关方	Engagement and Communication Channels 沟通渠道	Key concerns and expectations 主要诉求	Our Responses and Actions 履责行动
Investors/Shareholders 投资者/股东	Group Annual Report 集团年报 Annual General Meeting 年度股东大会 Quarterly result briefings 季度业绩简介会 Informal discussion 非正式讨论 Announcement 公司公告	Enhancing earnings capacity 增强盈利能力 Improving corporate governance structure 完善公司治理结构 Performing the obligation of information disclosure 履行信息披露义务	Complying with relevant listing rules and regulations 严格遵守上市公司准则 Realizing healthy growth 实现健康增长 Establishing shareholder communication mechanism 建立股东沟通机制 Issuing Annual Report on a timely basis 定期发布年度报告
Trade Associations 行业协会	Engagements through business partnerships 商业合作 Leading working groups in industry associations 行业协会理事单位 Face to face meetings and communications 相关会议沟通	Participating in the standardisation process of the industry 参与行业标准的制定 Contributing to the sustainable development of the industry 促进行业持续健康发展 Stimulating the technology transformation, upgrading and innovation 促进技术进步和产业转型升级	Active participation 积极参与 Enhancement of innovation 加强技改 Promoting industry optimisation 促进产业优化



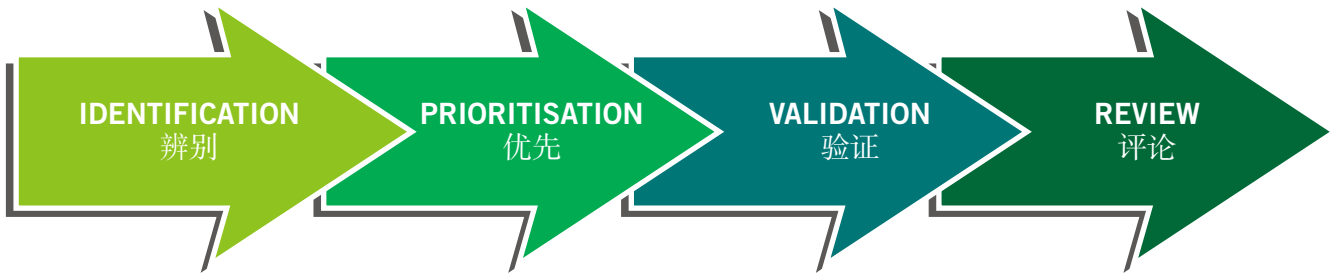


OUR APPROACH TO SUSTAINABILITY

可持续发展方法

Material Aspects Assessment

重要指标评估



To determine if an aspect is material, we assessed its potential impact on the economy, environment and society, and the influence on the stakeholders. Senior management took part along with our consultant. Aspects were identified and prioritised through internal workshops, peer reviews and social impact assessments at site level. Applying the guidance from GRI, we have identified the following material aspects:

为了确定指标是否重要，我们对其在经济、环境和社会以及对利益相关方的影响做出了评估。

高级管理层与咨询师一起参与，通过内务商讨，同行审阅以及各个分部对社会的影响力，指标及其重要优先性也被确定了。

根据全球报告倡议组织指南，我们确定了以下重要指标：



- ① Economic Performance 经济绩效
- ② Anti-corruption 反腐败
- ③ Energy 能源
- ④ Water 水资源
- ⑤ Emission 排放
- ⑥ Environmental Compliance 环境合规
- ⑦ Employment, Diversity and Equal Opportunity 雇佣，多元化和平等机会
- ⑧ Occupational Health and Safety 职业健康和安全
- ⑨ Training and Education 培训与教育
- ⑩ Local Communities 当地社区
- ⑪ Risk Management 风险管理
- ⑫ Fair Operating Practice 公平营运实践



ECONOMIC

经济

Economic Performance

经济绩效

At China Sunsine, we believe in creating long-term economic value for all our shareholders and key stakeholders by adopting responsible business practices and growing our business in a sustainable manner. For detailed financial results, please refer to the following sections in our Annual Report 2020:

- Financial Highlights, pages 2 – 3.
- Operations & Financial Review, pages 10 – 13.
- Financial Statements, pages 57 – 104.

中国尚舜一直认为，只有通过采用负责任商业手段，才能为所有的股东及利益相关方创造长期的经济效益，集团才能长期可持续性发展。关于具体的财务表现，请参照 2020 年报：财务摘要，年报第 2 – 3 页。运营和财务分析，年报第 10 – 13 页。财务报表，年报第 57 – 104 页。

Production

生产量

We have achieved rapid capacity expansion since our IPO. Total annual production capacity increased by more than seven times from 26,000 tonnes per annum in FY2007 to 192,000 tonnes per annum in FY2020, and we target to achieve 252,000 tonnes in FY2021.

We have also set a long-term goal for the Group: Focusing on rubber chemicals business; Strengthening the global market leadership position of rubber accelerators; Becoming a market leader of insoluble sulphur by expanding our production scale; Enhancing the market share of anti-oxidants and masterbatch. Leveraging China Sunsine's advantage in product quality, economies of scale, range of products, cost control, environmental protection and market reach, to better serve the global tire industry.

In order to achieve our long-term goals, the Group currently has the following expansion projects:

During the year, the expansion of the Phase II 20,000-tonne per annum TBBS production line has been completed in Shanxian, and together with the Phase I 10,000-tonne per annum production line which was completed in 2019, the Group has added a total of 30,000-tonne TBBS production line to its existing capacity. This new TBBS line is the first ever continuous, fully-automated and “green” production line in the China rubber chemicals industry, and will also achieve “zero discharge” of wastewater.

In March 2019, the Group's main subsidiary, Shandong Sunsine, entered into an Investment Agreement with Shanxian

Local Government, pursuant to which the Local Government agreed to grant Shandong Sunsine a piece of land located in Shandong Shanxian Chemical Zone (the “Land”), for Shandong Sunsine to carry out an investment project in phases to further expand its capacities in Rubber Chemical products, for a total investment amount of up to RMB 2.5 billion, of which RMB 1.5 billion will be invested in property, plant and equipment. With the acquisition of the Land, the Group is building up another comprehensive production base to expand our production capabilities, and will further strengthen our market leadership position in the rubber chemicals industry in the world.

The Group utilises approximately 300 mu of the Land to build and construct a 60,000-tonne per annum Insoluble Sulphur production plant, to be carried out in two phases. The construction of Phase 1 30,000-tonne per annum Insoluble Sulphur plant has been completed by the end of 2020. Trial run started in March 2021, and commercial production will commence in the second half of FY2021 depending on the market situation. Upon completion of this project, the Group will be able to further increase its production capacities and market share.

The 30,000-tonne Anti-oxidant TMQ project had started construction in 2020 in order to further expand our antioxidant production capacity. By the end of 2020, the construction of the main production plant, the granulation workshop and the finished product warehouse had been completed, and the main equipment had been ordered. We expect to start the trial run in June 2021. With the completion of TMQ project, the



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Production

生产量

total TMQ production capacity of the Group will reach 40,000 tonnes per annum, which will allow the total production capacity of our antioxidant products to reach 75,000 tonnes per annum.

In order to reduce the environmental risks and waste treatment cost, the Company acquired Heze Yongshun Environmental Protection Technology Co., Ltd in July 2020, a hazardous waste disposal enterprise at a cost of RMB 43 million. In addition, the Company also decided to invest a total of RMB 600 million to construct, over numerous phases, a controlled landfill with a total capacity of 700,000 tonnes in the Shanxian Chemical Industry Zone, to provide a comprehensive solution to the treatment of all wastes generated during our production process and to mitigate the related environmental risks. This landfill project allows the Group to not only dispose of its own solid and hazardous waste within the prevailing legal and government regulations, but also effectively supports the solid and hazardous waste disposal needs of the surrounding areas. By the end of 2021, phase one (50,000-tonne capacity) will be completed. The rest of the entire project will be carried out progressively over time depending on market conditions and our own scale of production in the next few years.

In line with the strong growth in the automotive and tire industries, and coupled with our strengths in quality, large scale production, product range, cost, environmental and market leadership etc., our total production and sales volume for FY2020 soared to 170,345 tonnes and 169,876 tonnes (FY2019: 168,779 tonnes and 167,455 tonnes), respectively. Our sales volume has reached a new record high.

自 IPO 以来，我们取得了快速的产能扩张。总生产能力增长了七倍多，从 2007 年的每年 26,000 吨增长到 2020 年的每年 192,000 吨，并将在 2021 年底达到每年 252,000 吨。

我们也建立了长期目标：抓住橡胶助剂的主业；巩固提升促进剂在全球的领先地位；通过扩大不溶性硫磺的市场规模，争取把不溶性硫磺做到全球领先的位置；扩大防老剂和预分散体的市场份额；在橡胶助剂领域树立质量、规模、品种、成本、环保和市场等综合优势，更好地服务全球轮胎行业。

为了实现我们的长期目标，集团目前开展了以下几个扩产项目：

2020 年，集团位于单县化工园区新厂区的 2 期 20,000 吨 / 年 TBBS 车间已建成投产，与 2019 年完工的 1 期 10,000 吨 / 年一起，最终形成了 30,000 吨 / 年的生产规模。该装置在行业内率先实现了促进剂产品的连续化、自动化、绿色化生产，实现了废水的零排放。

2019 年 3 月，山东尚舜与单县当地政府签署了投资协议，当地政府同意出让一宗土地给山东尚舜，山东尚舜同意分批投资不超过 25 亿元人民币（其中，固定投资为 15 亿元人民币），以便进一步扩大橡胶助剂的产能，并进一步的加强集团在世界橡胶助剂行业的市场领先地位。

集团将此宗土地中的 300 亩，建设年产 6 万吨高热稳定性不溶性硫磺生产基地，一期 3 万吨 / 年生产车间及配套工程已完成设计并开始施工，至 2020 年底，一期 3 万吨 / 年生产车间及基础设施已基本建成，2021 年 3 月开始试运行，计划于 2021 年下半年正式投产。该项目将进一步提高集团不溶性硫磺产品生产能力，提高市场占有率。

30,000 吨 / 年防老剂 TMQ 项目已于 2020 年开工建设，以进一步扩大公司防老剂的产量。至 2020 年底，主厂房、造粒车间、成品仓库已完成土建，主要设备已完成订购，预计于 2021 年 6 月开始调试运行。TMQ 项目完成后，集团的 TMQ 总产能将达到 40,000 吨 / 年，这将使我们的防老剂产品总产能达到 75,000 吨 / 年。

为了降低公司的环保风险，并节约处理成本，公司于 2020 年 7 月花费 4300 万元收购了一间危险废物处置企业——菏泽永舜环保科技有限公司。为了进一步降低风险，全套处置产生的危废，公司决定在单县化工园区共投资 6 亿元分批建设固危废刚性填埋场，总处理能力达到 70 万吨。此填埋场项目不仅能够合规合法处置公司的固危废，还能有效解决周边地区固危废处置的难题。公司计划于 2021 年底完成刚性填埋场一期工程 5 万吨填埋池主体建设并投入使用。总项目的剩余产能将根据市场情况在后面年限分批进行。

乘着国内轮胎、汽车市场强劲发展，借助我们在质量、规模、品种、成本、环保及市场等方面的优势，集团在 2020 年度的产销量得到进一步的提高，全年产销量各为 170,345 吨及 169,876 吨（2019：168,779 吨及 167,455 吨），销量再创历史新高。



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Market Presence 市场表现

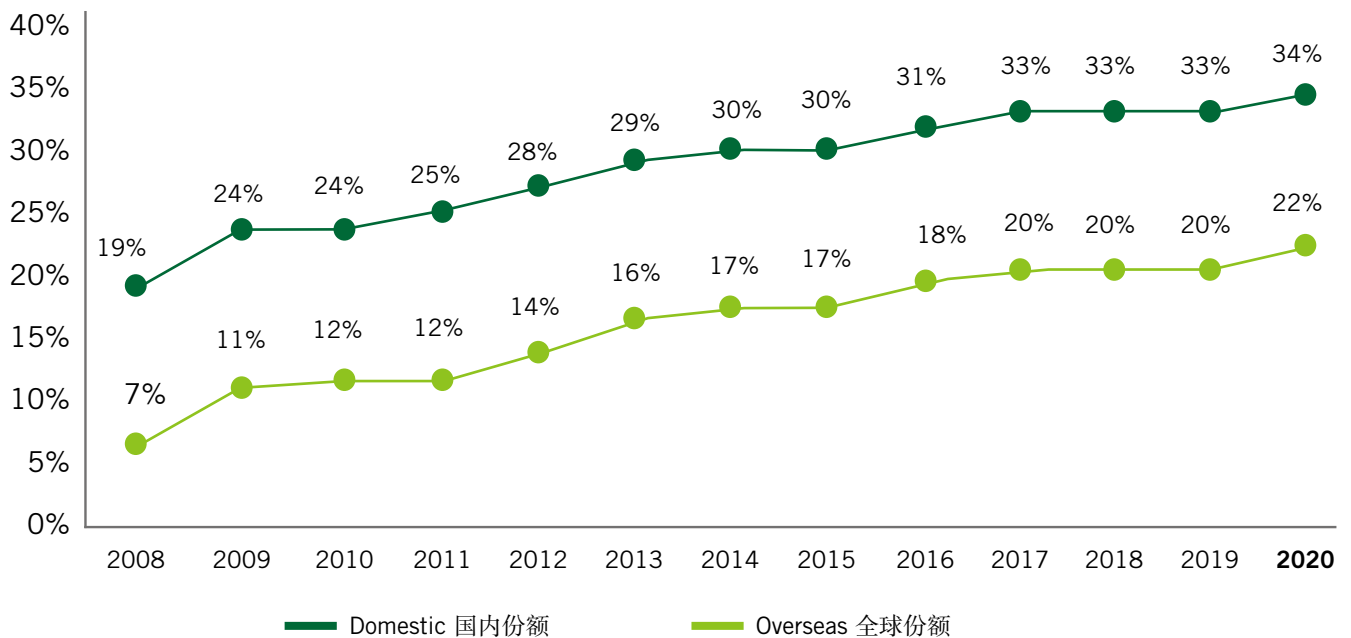
Our customer base are mainly from tire companies that provide products and services to the automobile industry. We have over 1,000 customers around the world and continue to serve more than two thirds of the Global Top 75 tire manufacturers, such as Bridgestone, Michelin, Goodyear, Pirelli, Sumitomo, Hankook, Yokohama, CST Tires, Kumho Tires, as well as PRC tire giants such as Zhongce Rubber and GITI Tire.

我们的客户主要是为汽车工业提供产品的轮胎公司。我们拥有全球 1,000 多家客户并且持续服务于 2/3 的全球顶级 75 家轮胎制造商。国际客户例如普利司通，米其林，固特异，倍耐力，住友橡胶，韩泰轮胎，横滨（优科豪马）轮胎，正新集团，锦湖轮胎，以及中国客户如中策橡胶集团和佳通轮胎。

For the past few years, the Group has been the world No. 1 producer of rubber accelerators. Due to the absence of publicly available data on market size of products, we have performed an assessment internally of our accelerator product's market share in the chart below.

这几年来，我们的主要产品 - 促进剂一直保持世界第一的市场领先地位。由于无国际和国内促进剂市场规模的公开信息，下表显示根据我司自身测算的促进剂产品在国内及全球的市场份额。

Our Rubber Accelerator Product's Market Share 集团促进剂产品市场份额





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Anti-Corruption 反腐败

China Sunsine does not tolerate corruption in any form. Any report of corruption or significant matters raised through the whistle-blowing channel will be escalated to the attention of the Board of Directors. While there is no anti-corruption policy, we prohibit corruption in all forms, including extortion and bribery. As set out in our whistle-blowing policy, all complaints shall be reported to the Audit Committee Chairman of the Company either in person or via email that is only accessible by the Audit Committee Chairman. The Company has also put in place certain safeguards to prevent potential bribery cases from arising.

中国尚舜不容忍任何形式的腐败。任何腐败报告或检举揭发信都将上报董事会。目前公司还没有正式的反腐败政策，但是我们禁止一切形式的腐败，包括敲诈勒索和贿赂。如我们的举报政策所述，所有投诉均应亲自或通过电子邮件向公司审计委员会主席报告，该电话和电子邮件只有审计委员会主席有使用权限。并且，为了防止可能出现的腐败，董事会也采取了一系列的预防策略。



FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
To maintain zero incidents of corruption 保持零腐败率	✓ Achieved zero incidents of corruption ✓ 达成目标，未出现腐败现象	Maintain zero incidents of corruption 保持零腐败率



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As a chemicals company, environmental protection is a very important issue to us. We focus on creating value through offering products and services that minimally impact the environment, whilst also engaging in efforts to reduce our environmental footprint during the production process.

作为一家化工企业，环境保护是非常重要的课题。我们致力于通过提供对环境影响最小的产品和服务来创造价值，同时也努力在生产过程中减少对环境的影响。

“Building a beautiful harmony in Sunsine” is our mission statement, illustrating our relentless commitment to incorporate sustainability into every aspect of our business ethos. We strive to develop our business responsibly and efficiently through conserving resources, being environmentally friendly, and investing in the latest technology to drive sustainable development. Every individual in the organisation takes our mission statement to heart so as to move the business forward responsibly and efficiently. We have raised awareness throughout the organisation and have put in place procedures to monitor wastewater, toxic gases, odour and all waste treatment processes. We use an approach we call “from the source, control the middle, govern the end” to achieve sustainable development and overcome any challenges we encounter along the way.

We have implemented ten key environmental initiatives and related policies which are in accordance with environmental laws and regulations issued by the Authorities. These will strengthen the Group’s environmental management and technological capabilities. These initiatives include advanced pollution control facilities, a water recycling project, a solid waste disposal system, an approved biological waste pool, a real-time monitoring system, an emergency response pool for water treatment, a set of contingency plans, a fully operational laboratory, a system of accurate operational records keeping, and a high performance environmental management team.

在企业发展过程中，公司始终坚持环保是企业发展的第一要务的理念，把环保工作作为企业的“生命工程”来抓，牢固树立资源节约、环境友好、科学发展、可持续发展的生产经营理念，在环保治理上不惜投资，把“建设美丽和谐尚舜”在企业发展过程中，公司始终坚持环保是企业发展的第一要务的理念，把环保工作作为企业的“生命工程”来抓，牢固树立资源节约、环境友好、科学发展、可持续发展的生产经营理念，在环保治理上不惜投资，把“建设美丽和谐尚舜”作为我们企业发展的一种责任、一项使命来认识并身体力行。在公司内部明确要求环保治理必须再上新台阶，各级各部门要提高认识，主动对废水、废气、异味、废渣全面治理，全员、全时段、全方位抓环保，采取“从源头抓、从中间控、从未端治”的环保管制模式，彻底实现污染物的达标排放，消除制约发展的瓶颈，为公司的可持续发展打下坚实的基础。

贯彻环境保护法律法规及相关政策的要求，领导推进公司环保工作的全面开展；以提高企业治污能力为出发点，着力加强企业环境基础设施建设，积极响应“十个一工程”建设，结合公司自身实际，高标准建设起一套技术先进的治污设施，一套中水回用工程，一套固废处置系统，一个规范的排污口和生物指示池，一套在线监控系统，一个事故应急处置池，一套科学的应急预案，一个标准化的实验室，一套精细准的台账和运行记录及一支水平较高的环境管理队伍，全面提升了公司的环保管理和技术水平。



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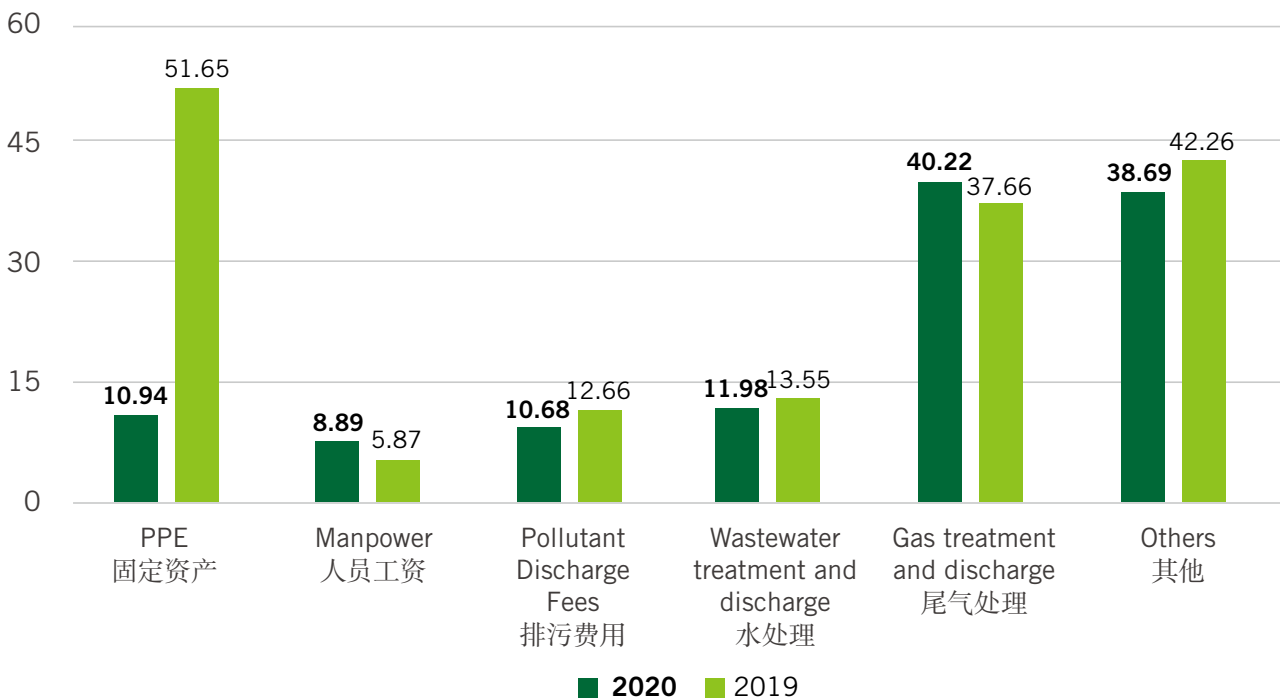
Our environmental management team comprises more than 40 employees, all of whom are well-equipped with relevant environmental protection knowledge and experience. This includes 5 post-graduate staff specialised in environmental protection and 12 undergraduates who are dedicated to the Company's environmental research and provide support for our environmental protection technology. We have also formed an Environmental Protection Committee which consists of General Manager and Environment Manager to oversee the implementation of environmental protection technology.

公司目前拥有一支实力雄厚的环保专业队伍，环保专业人员40余人，其中环境专业研究生5人，本科生12人，专门致力于公司环保问题的研发治理，为公司的环境保护提供强有力的技术支持；成立了以总经理为主任，以环保经理为副主任的环境保护委员会。

We continuously improve our environmental protection capabilities. The following chart shows the breakdown of the Group's environmental protection expenditures. Our investment in environmental protection in 2020 was RMB 121.41 million.

我们不断提高我们的环境保护能力。以下图表显示集团环境保护开支明细，2020年在环境保护方面的支出为1.2141亿元。

in RMB million





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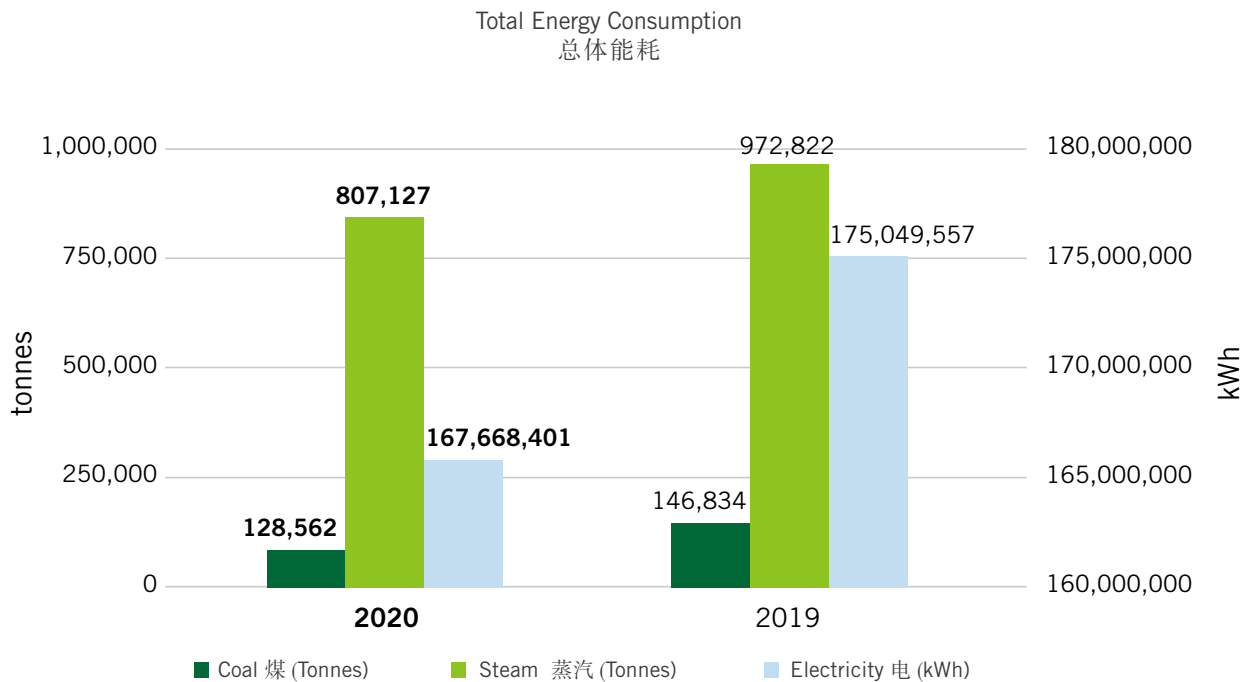
Energy 能源

Our production facilities use coal, electricity and steam. Coal is used to produce steam required for the desiccation process.

The following two charts show our group's total energy consumption and unit energy consumption in 2019 and 2020. Thanks to our usage of energy-saving equipment, adoption of a more efficient way of production, as well as tight cost control, our overall consumption of coal, electricity and steam has decreased in 2020. Unit energy consumption has also decreased correspondingly, which shows improvements in our energy management effort.

我们加工设备需要煤，电和蒸汽作为能源动力。使用煤是为了生产蒸汽用于供热，并用来干燥我们的产品。

下面两个图表列明了我集团 2019 和 2020 年度的总体能耗及单位能耗。由于采用精细化生产，使用节能设施并加强节能降耗管理，2020 年煤、电、汽的总消耗相对 2019 年有所降低。单位能耗也同比下降的。这些都显示出我集团在能源管理上的不断进步。

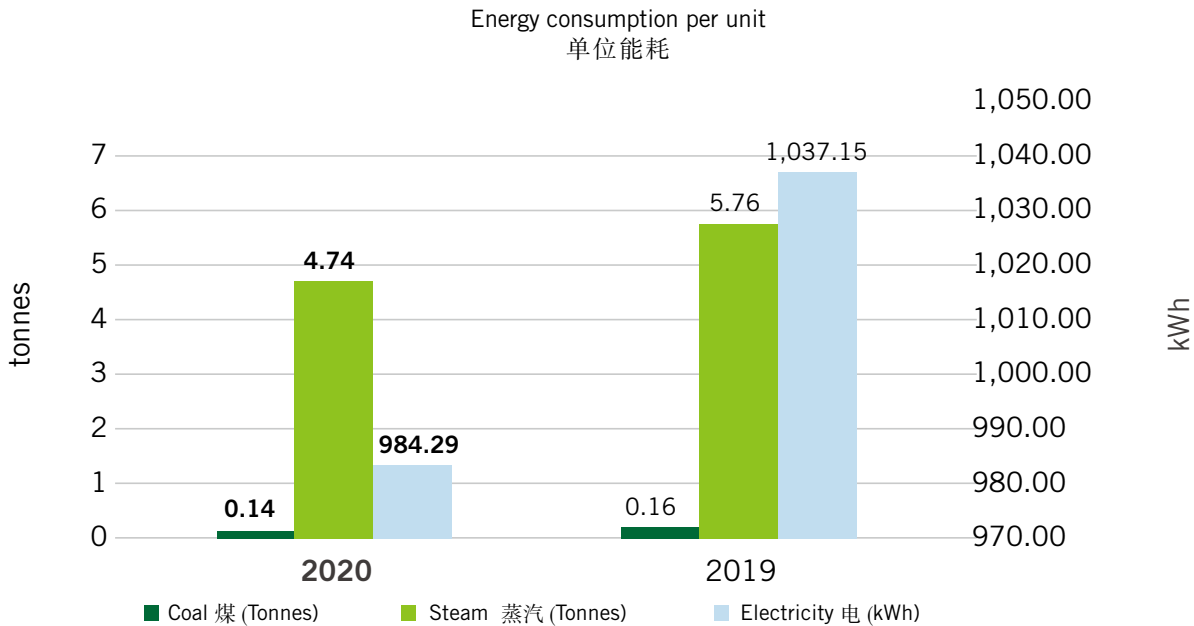




ENVIRONMENTAL

环境

Energy 能源



To reduce emissions, wastages and environmental pollution at Shandong Shanxian Chemical Industrial Zone, Shanxian local government authority had required all companies to stop using their own boilers. The local authority also appointed our Group to set up a centralised heating company to provide steam and electricity to all other companies in the industrial zone. Thus, in 2013, the Group set up a centralised heating company – Shanxian Guangshun Heating Co., Ltd (“**Guangshun Heating**”). Total planned capacity for Guangshun Heating was 4 boilers and 3 generators (ie. 4x130t/h boiler + 3xCB12MW turbine + 3x15MW generator). The construction comprises 3 phases. Phase I of this construction, consisting of 2 boilers (1 in use and 1 on standby) and 1 generator, commenced operations at the end of 2013. Phase II of the construction to add on 1 boiler and 1 generator was completed in 2018 and commenced operations in 2018. Most of the steam and electricity generated by Guangshun Heating is consumed mainly by the Group, and the rest by other companies in the industrial park.

In 2020, Guangshun Heating produced 60.88 million kWh (65.23 million kWh in 2019) of electricity and 799,410

tonnes (875,432 tonnes of 2019) of steam for internal consumption. These internally generated and consumed steam and electricity are not excluded from the tables above.

为了减低公司所在地山东单县化工园区的排放，避免资源浪费和环境污染，单县政府要求园区内各企业停止使用自备锅炉，并委托我司成立一家集中供热公司，向园区各企业进行集中供热。2013年，集团成立了一家集中供热公司单县广舜热力有限公司（“**广舜热力**”），建设规模为“4炉3机”，即“4x130t/h的循环流化床锅炉+3xCB12MW抽背汽轮机+3x15MW发电机”。其中“2炉1机”（1开1备）已于2013年底投入使用，能够生产蒸汽并发电。2018年，二期项目的“1炉1机”的建设项目也已投入使用。大部分广舜热力生产的蒸汽和发的电都在集团内部消耗，其它部分外供园区企业。

2020年，广舜热力生产的用于集团内部消耗的电力为6,088万度（2019年6,523万度），蒸汽为799,410吨（2019年875,432吨）。这些内部产生并消耗的汽、电尚未在上表中剔除。



ENVIRONMENTAL

环境

Energy 能源

To manage energy effectively, we have adopted the following measures:

1. Communicate to management and staff regarding national and local energy conservation laws and regulations and the Group's energy management policies to enhance their awareness.
2. Comply strictly with the "Responsibility System for Performance Management of Workshop Objectives" formulated by the Group to establish and improve various energy-saving management systems.
3. Require routine inspections and monitoring by the energy management staff to ensure compliance in accordance with policies. Develop corrective measures, carry out remediation and implement timelines to identify root causes of problems, so that energy wastage problems can be reduced or alleviated.
4. Require an energy-saving administrator for each workshop to conduct inspection on a regular or random basis. Energy consumption analysis reports are to be prepared and submitted. Corrective actions are to be implemented within the deadline to achieve 100% remediation.
5. Identify and evaluate significant energy usage factors, and establish energy control methods. Such methods will be closely monitored to ensure effectiveness.
6. Each workshop is to establish its own energy saving system and take effective measures according to the energy saving objectives they have set. Each energy-saving team will evaluate the energy saving results of each workshop.
7. Conduct regular inspections on equipment with significant energy consumption to identify potential energy-saving opportunities, and recommend improvement measures.
8. Enhance energy-saving capability, promote the use of advanced technology, transform obsolete production equipment and improve waste heat utilization. Various units within the Group undertook 24 such projects in total during the year with good results.

为作好能源管理工作，我们采取了以下措施：

- 1、认真贯彻执行国家、地方的节能法律法规以及公司的能源管理规章制度，全面提高各级管理人员的节能意识。
- 2、严格执行公司制定的《车间目标管理绩效考核经济责任制》的相关规定，建立健全各项节能管理制度，并加强学习与实践。
- 3、能源管理人员加强日常巡回检查和考核工作，对查出的问题，制定措施，限期整改，消除能源跑、冒、滴、漏等浪费问题。
- 4、督促各车间节能管理员定期或不定期开展节能检查和用能分析，并将检查记录和用能分析报表按时上报到节能办备案，限期整改，确保整改率达100%。
- 5、做好重要能源因素的识别和评价工作，制订对重要能源因素的控制办法，并对其控制过程进行监督、检查、指导、管理。
- 6、各车间积极围绕节能目标建立能源管理体系，采取有效节能措施，做好节能基础工作，节能办公室对各车间、工段节能目标统一管理并考核。
- 7、定期对主要耗能设备运行状况进行监测并建立相关记录，识别评价出具有节能潜力的用能设备并提出改进措施。
- 8、加大节能技改的力度，推广先进技术，改造落后的生产设备和余热利用，取得明显的节能效益。全年各部门及节能办共实施节能改造24项，效果良好。

FY2020 Target 2020年目标	FY2020 Performance 2019年完成情况	FY2021 Target 2021年目标
We aim to reduce energy consumption by 4% of the planned quotas 确保能源消耗不超定额并在此基础上下降4%	<p>✓ In 2020, the steam and electricity unit consumption decreased by 4.1% and 4.74% respectively</p> <p>✓ 2020年吨产品耗蒸汽、耗电比定额分别下降4.1%、4.74%</p>	To ensure that energy consumption decrease and does not exceed that of last year. 确保吨产品能源消耗不超去年，并在此基础上有所下降



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环境



Water 水资源

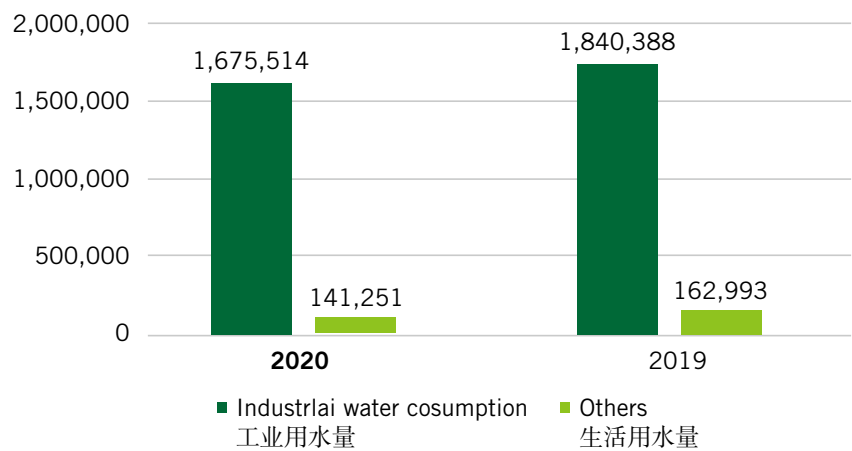
We consume a significant amount of water during production, predominantly industrial water. Industrial water is required for generating steam in order to dilute any chemicals released during production and to lower temperature.

在我们的生产过程中，会大量使用水。我们使用的水可分为两部分，一为工业用水，二为生活用水。工业用水主要用来产生蒸汽，及在工艺流程中用来稀释，水洗（物料纯化）和循环降温。

As we have adopted water-saving measures to increase the amount of water recycled, water consumption in 2020 is lower, and the unit water consumption in 2020 is 10.67 cubic meters, which is 0.99 cubic meters lower than the 2019 unit water consumption of 11.66 cubic meters. We are committed to continue using water as efficiently as possible.

因为我们采取了节水措施，加大了中水回用量，2020年的用水量同比降低，2020年单位耗水量为10.67立方，比2019年单位耗水量11.66立方降低了0.99立方。同时，我们也承诺尽可能的有效用水。

Total water consumption (in cubic meters)
总耗水量 (立方)



FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
We aim to maintain the same level of water consumption per unit 单位总耗水量不增加	<ul style="list-style-type: none"> ✓ Target achieved ✓ 达到目标 	We aim to maintain the same level of water consumption per unit 单位总耗水量不增加



ENVIRONMENTAL

环境

Wastewater Recycling And Discharge 废水回收及排放

All wastewater generated from the production process are pre-treated and recycled for re-use. For those wastewater which cannot be recycled and re-used, further chemical reaction and bio-treatment will be done in order to comply with the discharge limits (COD ≤ 500, NH ≤ 35 mg/L, Aniline ≤ 1.5 mg/L) set by the relevant local authority before it can be discharged to external wastewater treatment plants.

Wastewater treatment has always been our focus. The Group sets out a guiding theory that is focused on the reduction of wastewater discharge, emphasises on pre-treatment, recycling as well as the bio-treatment of wastewater, and improves all employees' skills. We spare no effort in harnessing our human, technological and financial resources to ensure our wastewater discharge fulfils required environmental standards.

All our production plants are equipped with an integrated wastewater treatment and sulphur recycling facility which effectively filters wastewater produced. Our wastewater treatment and recycling process is closely monitored by the relevant local governments to comply with regulatory standards.

Since 2013, the Group has set out a "Clean Production" programme which requires every employee to play a proactive role in enhancing our products effectively. At the same time, the programme endeavours to reduce the amount of wastewater discharge and to ensure that the pollutants are removed from the water before it is released to the external environment. The measures include adopting innovative technology with advanced production processes and equipment, using better quality raw materials, and raising management skills.

Due to the increase in production and the adoption of water-saving measures, the Group discharged a total of 747,900(2019: 845,000) cubic meters of wastewater in 2020. Unit wastewater discharge was 4.39 (2019: 5.01) cubic meters, and recycled wastewater was 1,189,800 (2019: 1,249,000) cubic meters.

所有生产过程中产生的废水都通过预处理回收使用，不能够回用的废水经过进一步的化学及生化处理，达到排放标准（COD ≤ 500 mg/L，氨氮 ≤ 35 mg/L，苯胺 ≤ 1.5 mg/L）后排入政府污水处理厂。

公司始终将污水治理作为首要任务来抓，根据运行实际提出“抓减排、抓分别的预处理，加大中水回用，抓生化效果提高，抓环保人员整体素质提高”指导思想，不惜投入大量的人力、物力、财力，彻底实现废水的稳定达标排放。

我们每个生产基地都配备了综合废水处理和废气回收设施。在生产过程中，产生的废水可能会造成污染。废水处理厂用于处理废水，使其符合监管标准。污水处理和回收过程由相关的地方政府当局密切监测。

自2013年以来，集团曾推行“清洁生产”计划。“清洁生产”项目需要团队成员发挥积极作用，通过技术创新，采用更先进的生产工艺和设备，使用清洁的原材料，提高管理技能，以更有效和高效的方式生产的产品，并同时，减少废水排放。

由于产量的增加及采取节水措施，集团在2020年共排放废水747,900立方（2019：845,000立方），单位废水排放量为4.39立方（2019：5.01立方），回收废水1,189,800立方（2019：1,249,000立方）。

FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
We aim to reduce discharge of wastewater per unit and increase amount of wastewater to be recycled 减少单位废水排放量，增加废水回收量	<ul style="list-style-type: none"> ✓ Target achieved ✓ 达到目标 	We aim to reduce discharge of wastewater per unit and increase amount of wastewater to be recycled 减少单位废水排放量，增加废水回收量



ENVIRONMENTAL

环境

Emission

排放

Hydrogen sulphide created during production process is harmful to health and the environment. Our sulphur recycling facility has effectively extracted the sulphur from hydrogen sulphide for re-use in our production process, such as in the production of our thiazoles accelerator, MBT.

To effectively manage the hydrogen sulphide emission at our manufacturing facilities, we are the first company in China to invest more than RMB 30 million on a Super Claus furnace and CS₂ recovery facility. Our conversion recovery rate is consistently above 99.5%.

To further control exhaust gas and odour, we implemented the following projects in 2020:

1. A second RTO incinerator was installed to further recycle waste gas produced.
2. Include suitable deodorant to MBTS plant and second set of RTO exhaust gas absorption tower.
3. Two automatic canning machines and scraper conveyor from dust collector to feeding port are installed in the drying process of the Weifang Shangshun MBTS workshop. This helps to reduce the dust and improves the site environment.
4. To prevent the leakage of ammonia odour caused by the mismatch of exhaust gas absorption tower in synthesis and dehydration process, two ammonia absorption towers with a diameter of 3M were installed in Weifang Shangshun DPG workshop. This helps to improve absorption, eliminate the ammonia leakage issue and reduce the environmental risk.

Since 2008, we have been accredited with GB/T24001-2004/ISO14001:2004 for our Environment Management System (“EMS”). We have continuously enhanced our system to be more environmentally friendly over the years. Further, in 2018, we have been accredited with EMS GB/T24001-2016/ISO14001:2015.

Toxic gas emission is monitored in real-time by the local Environmental Department and government authority. In 2020, toxic gas emissions met the local standard of Shandong Province “comprehensive emission standard of regional air pollutants” (DB37 / 2376-2019) (dust content $\leq 10\text{mg} / \text{m}^3$, SO₂ content $\leq 50\text{mg} / \text{m}^3$, nitrogen oxide content $\leq 100\text{mg} / \text{m}^3$).

Due to an increase in MBT's total output, recycling volume of sulphur in 2020 is 12,487 tonnes (2019: 12,262 tonnes), and the recycling rate is as high as 99.5% (2019:99.5%). The economic value of sulphur recycled amounted RMB 15.09 million (2019: 14.82 million).





ENVIRONMENTAL 环境

Emission 排放

在生产过程中产生的有毒废气硫化氢，对人体健康和环境有害。我们的废气回收装置能够从硫化氢气体中回收出硫磺，此回收的硫磺在生产过程中可以循环使用，比如在我们生产噻唑类促进剂 MBT 和硫化剂不溶性硫磺时使用。

在废气异味治理方面作为同行业第一家，率先投资 3000 余万元上马了超级克劳斯炉和 CS2 回收装置，对公司废气进行彻底治理，转化回收率达到 99.5% 以上。

为进一步治理废气和异味，2020 年公司又实施了下列工程：

1. 为进一步回收生产废气，新上的第二套 RTO 焚烧炉调试成功并投入运行。
2. 对促进剂 MBTS 车间和第二套 RTO 尾气吸收塔选加合适的除臭剂。
3. 潍坊尚舜 MBTS 车间新增了两台自动罐装机和除尘器到投料口的刮板输送机，MBT 车间干燥工序安装了自动罐装机及除尘器管链输送，大大减少了粉尘，改善了现场环境。

4. 潍坊尚舜 DPG 车间针对合成、脱水工序尾气吸收塔不匹配造成氨逃逸气味问题，设计制作安装了两座直径 3m 的氨吸收塔，提高了吸收效率，杜绝了氨逃逸问题，降低了环保风险。

自 2008 年，我们获得了 GB/T24001-2004/ISO14001:2004 环境管理系统认证，且持续改进。在此基础上，2018 年又获得了 GB/T24001-2016/ISO14001:2015 环境管理系统认证。

所有的废气排放口都安装了实时在线监控设备，此设备直接与当地政府及环保局连线。在 2020 年，大气污染物排放量符合山东省地方标准《区域性大气污染物综合排放标准》(DB37/2376-2019) (颗粒物含量 ≤ 10mg/m³, SO₂ 含量 ≤ 50mg/m³, 氮氧化物含量 ≤ 100mg/m³)。

由于促进剂 MBT 总产量的提高，2020 年硫磺的循环使用量是 12,487 吨 (2019 年: 12,262 吨)，循环率高达 99.5% (2019 年: 99.5%)。回收硫磺经济效益达到人民币 1,509 万元 (2019 年: 1,482 万元)。

FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
Our goal is to keep the toxic gas emission within stipulated regulatory limits 毒气排放量在政府允许范围内	<ul style="list-style-type: none"> ✓ No instance exceeding government's allowed range ✓ 未出现超出政府允许范围情况 	Our goal is to meet toxic gas emission regulatory limits 毒气达标排放

Environmental Compliance 环境合规

As set out above, we have complied with the Authority's limits for the wastewater discharge and toxic gas emission in 2020.

如上所述，我们在 2020 年的废水和废气排放量在政府规定的限额内。

FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
We aim to comply with all wastewater discharge and toxic gas emission regulatory limits 废水废气达标排放	<ul style="list-style-type: none"> ✓ All wastewater and toxic gas were discharged in accordance to regulatory limits ✓ 废水废气全部达标排放 	We aim to comply with all wastewater discharge and toxic gas emission regulatory limits 废水废气达标排放



SOCIAL

社会

Employment, Diversity And Equal Opportunity 雇佣，多元化和平等机会

China Sunsine's recruitment of staff is based solely on merit, without discrimination of race, age, gender, religion or ethnicity. There were no incidents of discrimination during the reporting period.

We strictly prohibit the hiring of underage staff at any of our offices and processing facilities.

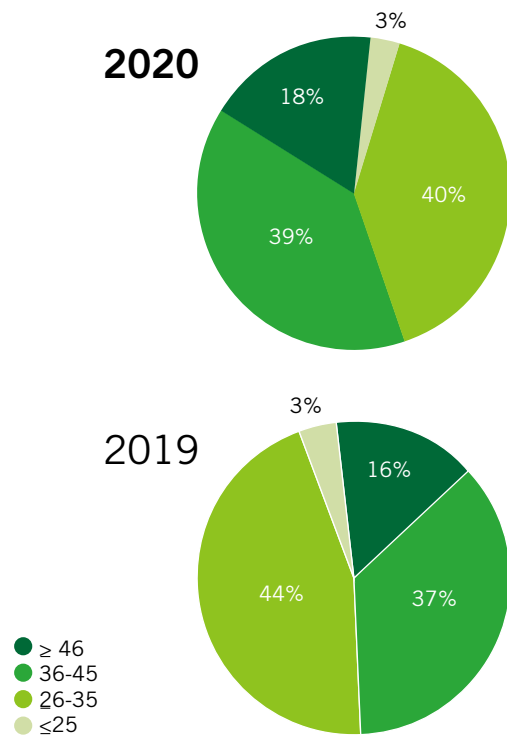
We give priority to local talents in China for our recruitment. We are committed to provide competitive remuneration and benefits to our employees, which are consistently above the market rate in the provinces we operate in. We are also committed to safeguard our employees' health and safety against any potential workplace hazards.

中国尚舜承诺无种族，性别，宗教和少数民族歧视雇佣宗旨。在报告期限内无歧视案例。

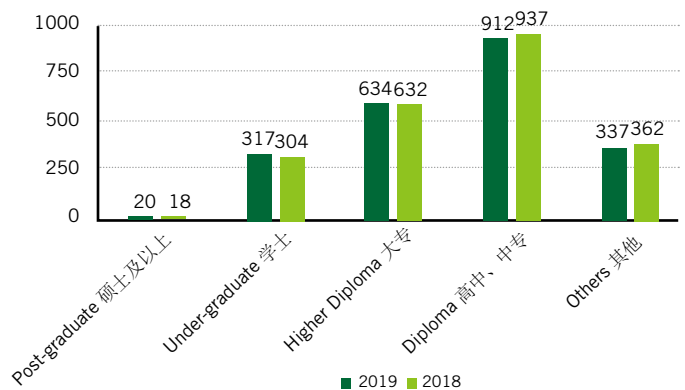
我们杜绝办公室或是工厂的未成年雇佣。

我们倾向于聘请中国当地人员。我们承诺对员工提供具有竞争性的工资和福利。员工工资在单县全县始终保持较高的水平。我们也承诺在危险工作环境下会保护员工健康与安全。

Employees' profile by age
员工按年龄分类



Qualification
学历





SOCIAL 社会

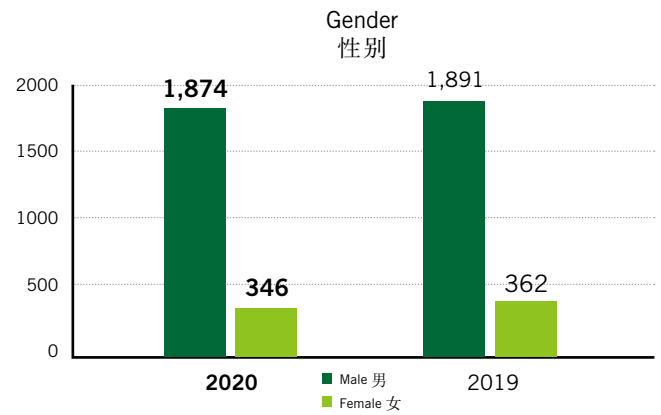
Employment, Diversity And 雇佣, 多元化和平等机会

Even though we operate in a male-dominated industry, 16% (2019: 16%) of our staff are female. We actively encourage women to join us, and provide additional benefits such as annual medical check-ups and gifts to our female staff during the Chinese Women's festival.

Our foundation for developing a sustainable business is to build an inclusive culture. Every year, the Group organises various activities such as sports days, speech competitions, New Year's Gala Dinner and other activities to strengthen camaraderie and a sense of belonging amongst employees to build and foster strong team ethos. We embrace diversity, and at the same time expect employees to be aligned with the Group's vision and strategic initiatives. Whilst we encourage our employees to take on challenges and improve themselves, we also require them to treat others equally, honestly and with respect.

尽管化工业是男性主导的行业，中国尚舜集团的女性职员达到总员工人数 16% (2019:16%)。我们积极鼓励女性加入，同时提高福利，例如女性特别年度体检（在年检的基础上）以及在妇女节时赠发礼品。

加强文化建设是集团可持续发展的坚强基石。集团每年都举办职工趣味运动会、庆“三八”演讲比赛、辞旧迎新元旦联欢晚会等活动，加强员工归属感，培养员工集体意识、团队合作意识。集团要求员工要树立个人服从集体、局部服从整体的观念，倡导集体利益为重的价值观念；要求员工在竞争中挑战自我，在合作中欣赏他人，大力崇尚爱岗、敬业、厚德、包容的人文精神和道德风尚。





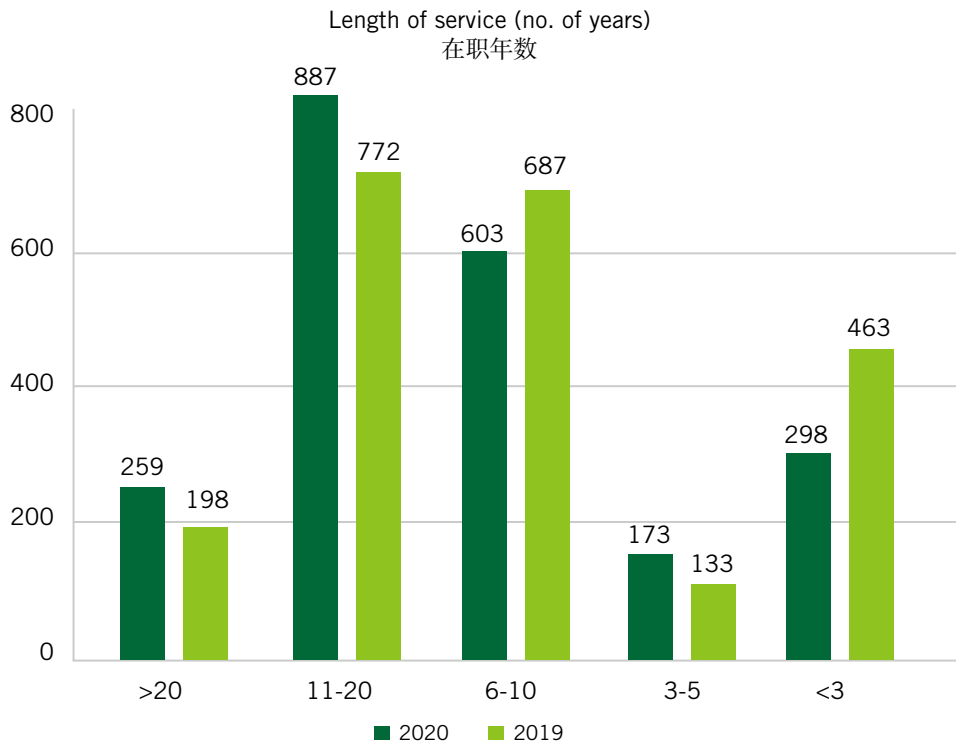
SOCIAL

社会

Employment, Diversity And Equal Opportunity 雇佣，多元化和平等机会

Staff turnover is low with less than 4.5% of the total headcount per annum. We do not hire part-time staff. 52% (2019: 43%) of our staff has been working with our Group for more than 10 years.

员工流动率每年少于总员工人数的4.5%。我们也没有雇佣兼职人员。52%（2019年：43%）的员工的在职年数已超过10年。



FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
To prevent discrimination in employment based on race, sex, religion or against ethnic minorities 不发生种族，性别，宗教和少数名族歧视雇佣现象	<ul style="list-style-type: none"> ✓ No discrimination based on race, gender, religion, or against employment of ethnic minorities ✓ 未发生种族，性别，宗教和少数名族歧视雇佣 	To prevent discrimination in employment based on race, sex, religion or against ethnic minorities 不发生种族，性别，宗教和少数名族歧视雇佣现象



SOCIAL

社会

Training And Education 培训与教育

We provide training to our employees for their skill and knowledge enhancement. The total training hours provided were 5,113 hours in 2020 (2019: 2,583 hours).

我们注重员工培训，以使得员工的潜能得到提高。2020年培训时间总共为5,113小时(2019年：2,583小时)。

The following is a list of our training programme for 2020:

- New staff orientation (workers and management)
- Professionalism
- Management qualification
- Innovation
- Mindset Change
- Safety management
- Quality management
- Environmental case study
- Production management
- Equipment management
- Finance management
- Internal transfer training

以下是2020年员工培训内容：

- 新员工入厂培训
- 新入职管理人员培训
- 职业化素养
- 管理素质
- 创新专案
- 转变观念
- 安全管理
- 品质管理
- 环保专案
- 生产管理
- 设备管理
- 财务管理
- 转岗培训



FY2020 Target 2020年目标	FY2020 Performance 2019年完成情况	FY2021 Target 2021年目标
We aim to conduct at least 2,500 hours training in 2020 2020年计划培训时间不少于2,500小时	<ul style="list-style-type: none"> ✓ Target achieved ✓ 达到目标 	2021 planned training time is not less than 2,500 hours 2021年计划培训时间不少于2,500小时



SOCIAL

社会

Occupational Health And Safety 健康和安



Employee's health and safety are of utmost importance. Production process involves dangerous, toxic or flammable raw materials. Therefore, we have implemented comprehensive safety and environmental friendly measures regulated by the relevant government and authorities which are subjected to periodic and random checks by the authorities.

We have increased safety related expenditure to comply with regulations, and this has improved our ability to manage occupational risks posed to our employees. Constant improvements are being made to the production environment. We have upgraded our facilities related to the storage, transportation and processing of hazardous chemicals. We also provide our employees with protective equipment, safety training and supervision in accordance with all regulatory requirements.

Safety measures and equipment are continuously deployed to ensure the safety of our employees especially during the production process. We provide safety training programmes and seminars regularly, so that our employees are updated with the latest safety measures and procedures are enhanced accordingly.

All new employees are required to undergo mandatory safety training and drills to familiarise themselves with the operation of the machinery and equipment as well as the safety precautions and procedures during the production process.

We ensure that all our staff follow the necessary and appropriate precautions when handling harmful or toxic materials with a rigorous monitoring and enforcement process.



SOCIAL

社会

Occupational Health And Safety 健康和安

When it comes to education and training, strict compliance with the "production and operation unit safety training requirements" is enforced. Key position holders, from specialised personnel through to security and management staff, must attend security training, pass the assessment tests and obtain the requisite certifications established by the authorities. We have also set up a training centre and improved our training facilities. During the annual safety month, all employees are required to study the materials issued by the State Administration of Work Safety. At least once a quarter, our Safety Production Committee conducts research, summarises, communicates, and deploys work safety activities. Safety briefings will be conducted in production safety workshop before and after work on a daily basis within the individual departments. This is followed by weekly meetings arranged by the Safety Department for the management to review the previous week's production safety status, and to identify focus areas for the following week.

We have established a comprehensive emergency response plan and registered this with the City Safety Supervision Bureau. All workshops and departments have appointed emergency response units which are equipped with all necessary equipment. We conduct annual safety drills to improve employees' operational readiness to manage any emergencies or safety incidents.

General Manager personally heads the safety function. He is supported by the department managers and the workshop supervisors. This arrangement ensures that all leaders are aware of their responsibilities over management and safety. We have also appointed a Safety Director for setting up Production and Safety Committee and Department.

We have an Annual Internal Safety Inspection Plan. The local authority conducts inspection once or twice a month. We continuously carry out safety management activities, such as the management of liquid chlorine, liquid ammonia and other hazardous chemical materials. These also include frequent maintenance inspection and regular monitoring of specialised operational processes. Our Production Safety Department

conducts a review every Friday. Random safety inspections are conducted in the workshop every day. Each workshop also carries out a review in accordance with the Production Line Safety Checklist. Self-assessment is performed to identify any hidden safety issues in order to improve safety risk management. In addition, we engage two production safety experts from Heze City to review our production safety management system annually. Their coverage includes safety policies, site management, production technology, equipment and any other related aspects.

In 2020, policies and procedures on 'Traffic safety management in the plant', 'Change of safety management system (Trial)' and 'Management of safe production, risk monitoring and early warning system (Trial)', have been developed and issued, further enhancing the overall safety management system. The Enterprise Management department and the Safety Management department have conducted many inspections covering special assignments (fire movement and confined space operations), and policies and processes governing areas including the dangerous chemical warehouse, tank region, raw material handling, chlorine use, workshop safety production inspection, etc., and strongly enforcing strict compliance with safety management policies and practices.

The company also strengthened the management of operations such as fire, operating in confined space, working at high-altitude, and inspection and maintenance. We also ensure safety operation of hazardous chemical loading and unloading operations in all workshops.

We are actively promoting the design and diagnosis of production facilities in our factory area, to ensure that safety distance and equipment layout of the production facilities are standardized and meet the standard requirements.

In 2020, we actively worked on the County Safety Supervision Bureau's request to complete a comprehensive emergency response drill exercise for hazardous chemicals.



SOCIAL

社会

Occupational Health And Safety 健康和安

In June 2020, in order to improve the fire emergency preparedness and capabilities of employees, the Company organised an inter-workshop fire emergency response and practical skill competition. By participating in this competition, all workshop staff strengthened their fire emergency preparedness knowledge and skills through interactive learning with their co-workers.

In 2020, the company conducted training on 'Risk Classification and Management Policy for Safe Production (Trial)' and 'Safety hazards investigation and management procedures', so as to further strengthen the management and control of safety risk and the investigation and resolution of latent hazards.

Since 2008, we obtained the occupational health and safety management system GB/T28001/OHSAS18001 certification, and have continuously strengthened our production safety system to be more advanced, practical and effective.

We were honoured to be awarded the title of "Production Safety Enterprise in Shandong Province", as well as "Provincial Safety Culture Demonstration Enterprises", "the province's 'safe production' activities outstanding organization", "the national enterprise emergency response knowledge contest winners", "Heze City safety production emergency management demonstration site", "Heze City Ankang Cup competition winning unit", "Heze City best fire safety unit", "Municipal emergency management model unit" and other honorary titles.

We are pleased to share that no major safety-related incident took place in 2020 (2019: NIL).

由于我们的产品性质,我们处理有害的、有毒的和易燃的原料。为此,我们制定了全面的安全和环保措施。此类措施由有关政府部门监管,并须经当局定期及抽查。

公司依法提取安全生产费用,加大安全投入,对各种危化品使用、储存、输送设备进行改造升级,优化了硬件安全设施。采用安全可靠的新技术、新材料和新装备,提高工艺技术和

自动控制水平,提高企业控制安全风险的能力,不断改进安全生产条件。公司依法为从业人员提供劳动防护用品,教育、监督其正确佩戴和使用。

我们已部署安全设备和设施,以确保安全生产和保护我们的员工的安全。我们经常对他们进行安全培训,在生产过程中不断学习和更新。

我们为新员工提供相关的安全培训和演练,确保他们熟悉生产机械设备的操作,以及生产过程中的安全预防措施和程序。

我们要求我们的员工在处理有毒有害材料时进行适当的预防措施。

在教育培训方面,公司严格落实《生产经营单位安全培训规定》,对所有重点岗位人员、特种作业人员、安全管理人员等进行了由政府组织的安全培训、考核,取得了相应的资格证书。公司专门投资建设了“培训中心”,完善培训设施,对新进厂职工认真开展三级安全培训教育;对全体职工开展每年安全再培训;在每年安全月期间组织全体职工观看国家安监总局编制的事故警示教育光盘,开展事故案例警示教育;公司安全生产委员会每季度至少召开一次专题安全会议,贯彻传达上级安全工作要求,总结、研究、部署当前安全生产工作;安全科每周组织各车间、工段安全管理人员召开安全例会,总结上周安全生产情况,布置下周安全生产注意事项;各车间每天召开班前、班后安全教育会,落实安全生产工作。

公司建立健全了生产安全事故应急救援预案,并已在市安监局备案。各车间、工段分别建立健全了应急救援组织和队伍,配备完善了应急救援器材和设备,并按规定每年进行演练,提高了员工应对突发事件和处置安全事故的能力,打造出一支能够随时拉得出、用得上、打得赢的职工救援队伍。

公司健全了以总经理为安全生产第一责任人,各分管经理为分管责任人,各车间主任为具体责任人的安全生产管理网络,实行主要负责人负总责和领导班子成员“一岗双责”的安全生产领导责任制,设置了安全总监,成立了安全生产管理委员会,并设有专职的安全管理部门——安全科。

我们也制定了年度内部安全检查计划。当地政府也会每月进行一次或两次检查。



SOCIAL 社会

Occupational Health And Safety 健康和安

公司持续开展安全生产隐患排查治理活动，认真搞好液氯、液氨等危险化学品安全管理，并加大检维修、开停车等特殊作业环节安全监控力度。安全科每周五组织开展以查思想、查领导、查纪律、查制度、查隐患为中心内容的公司级安全检查；安全科人员每天进行走动式安全管理，深入生产现场开展日常安全巡查；各车间按照生产线安全检查表组织人员每周定期开展车间级安全隐患自查；各车间还深入开展“查身边隐患、保职工安全、促企业发展”群众性隐患自查活动，查改各种安全隐患，不断提高风险管控能力。另外，公司认真落实专家查隐患工作，每年聘请两名菏泽市安全生产专家，对企业从制度建设、现场管理、生产工艺、设备设施等方面进行了“专家查隐患”工作，有力的促进了隐患排查治理的质量。

2020年，新编制下发了《厂内交通安全管理制度》、《变更安全管理制度（试行）》、《安全生产风险监测预警系统运行管理办法（试行）》，使安全管理制度进一步健全。企管科、安全科对动火作业、受限空间作业等特殊作业、危险化学品仓库、罐区、原料装卸、氯气使用、车间安全生产检查等已下发的安全管理制度进行了多次专项检查，强力推行安全管理制度。

公司加强动火、受限空间、高处作业等特殊作业及检维修作业及危险化学品装卸作业的管理，有效确保了各车间工段检维修作业及危险化学品装卸作业环节的安全。

积极推进厂区各生产装置设计诊断工作，进一步使各生产装置的安全间距、设备布置更加规范、符合标准要求。

2020年，积极配合县安监局要求，完成了单县危化品综合应急预案演练工作。

为全面提升各车间员工消防应急技能，提高员工消防应急能力，熟练使用各种消防应急器材，2020年6月，组织各车间

开展了消防技能实操比赛。通过消防技能比赛，各车间员工在比赛中相互学习，共同提高，有效的提高了消防应急实战操作技能。

2020年，公司进一步深化安全生产风险分级管控和隐患排查治理两个体系的建设，对《安全生产风险分级管控考核细则（试行）》、《隐患排查治理管理制度》进行了培训，进一步加强了对安全风险的管控和对安全隐患的排查治理。

自2008年起，公司通过了职业健康安全管理体系 GB/T28001/OHSAS18001 认证，并且持续改进，确保体系的科学性、适宜性、有效性。

公司获得了“山东省安全生产基层基础工作先进企业”荣誉称号，还获得了“省级安全文化建设示范企业、全省‘安全生产月’活动优秀组织单位、全国企业应急救援知识竞赛优胜单位、菏泽市安全生产应急管理示范点、菏泽市安康杯竞赛优胜单位、菏泽市消防工作先进单位、市级应急管理示范点”等一系列荣誉称号。

2020年发生的重大安全事故0件（2019年0件）。



FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
No major safety-related incident 不发生重大安全事故	✓ Target achieved ✓ 达到目标	No major safety-related incident 不发生重大安全事故



SOCIAL

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Chemical Management 化学品管理

We have strengthened our on-site chemical management, especially in high risk areas such as transfer of materials, to minimise any unnecessary exposure to hazardous chemicals. Our approval process for chemical products, in particular, the screening of highly hazardous chemicals has become more stringent.

The management of high-risk chemical products will be further strengthened in the future, especially in high-risk areas, such as raw material conversion.

In August 2020, Weifang Shangshun passed the inspection and assessment organized by the emergency department of Shandong Province, and was graded “good” in the “Level 2 Safety Standardisation and Double Prevention Integration system” category; in November 2020, Weifang Shangshun was rated as the model unit for “Level 2 Safety Standardisation and Double Prevention Integration system” category by Weifang Binhai District Emergency Bureau.

We have enhanced the safe storage of hazardous chemicals through the installation of liquid level alarm system, emergency cut-off for the automatic chain, combustible and poisonous gas leakage alarm system, and provision of air respirator & chemical protective clothing. To enhance safety, the production team and chemical handling units are required to comply strictly with the established

operating procedures through every step of the production, transportation and storage of hazardous materials. Staff are also required to be familiar with emergency response plans.

我们加强了现场化工产品管理，减小对健康影响的可能性。化工产品审核批准的流程更加严格，对高危的化学产品需要安全筛选，并且进行替代评估。任何不足需要得到相关的审核批准。

对高危的化学产品管理会在将来进一步加强，特别是在高风险区块，如在原材料转换时。

2020年8月，潍坊尚舜通过了山东省应急厅组织的检查评估考核结果为“良好”的“二级安全标准化和双重预防体系融合”评估验收；2020年11月，潍坊尚舜被潍坊滨海区应急局评定为“二级安全标准化和双重预防体系融合”标杆单位。

公司加强各危险化学品罐区安全管理，增设高低液位报警、紧急切断自动连锁、可燃、有毒有害气体泄漏报警、空气呼吸器、防化服等安全设备设施及应急器材。严格危险化学品卸车作业过程管理，严格按照卸车作业规程操作，加强监督检查，确保危险化学品卸车环节安全。危化品生产和使用部门进一步完善相应的工艺操作和安全操作规程，并严格要求生产和使用危化品的操作人员，必须严格遵守工艺操作规程、安全操作规程，熟悉物品性能和应急处理方法，确保各车间危险化学品的生产、使用安全。





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Product Quality And Security 产品质量与安全

We always adhere to our policy of “scientific management of quality assurance to win customers”. We focus on customers’ needs, enhance our employees’ quality awareness and strengthen training quality. We implement a robust quality control management system, improve quality inspections, eliminate quality issues, and completely eliminate contamination by foreign particles. We ensure product quality and consistency in our production line and process changes, maintaining packaging, customer service, and on-time delivery. We are committed to make Sunsine the world’s most famous brand in our industry.

We place great emphasis on adherence to stringent quality controls at all stages of our production process.

These quality control measures help to ensure that our products meet high standards expected by our customers, which ultimately strengthened customer satisfaction. Our production facilities also provide a safe working environment for all our employees. Our internal quality control measures, from sourcing and procurement of raw materials to the delivery of our finished products, closely adhere to ISO requirements.

Our long-term goals for product quality are commitment to product variety and quality improvement, provide excellent service standards to meet the needs of both domestic and foreign customers and achieve 100% customer satisfaction rate.

Our quality assurance division is headed by our quality assurance manager, under the supervision of our Executive Director and supported by a team of quality assurance personnel. They are responsible for overall quality control at every stage of our production process and work closely with the heads of other division to assure that our production process is in accordance with our quality control guidelines.

Since July 2000, our Quality Management System has obtained GB / T19001-1994 / ISO9001: 1994 certification, and has been upgraded to GB / T19001-2016 / ISO9001: 2015 in 2018. Shandong Sunsine Chemical successfully passed an audit by Beijing Sanxing 9000 Certification Body in

August 2019, who recommended us to maintain the Quality Management System certification and registration, as well as to re-register our Environmental and Occupational Health and Safety Management System. Our subsidiary ShanDong Shengtao successfully passed an audit by Beijing Sanxing 9000 Certification Body in December 2019.

长期以来，我们始终坚持“以科学管理保质量，以可靠质量赢顾客，以顾客满足求发展”的质量方针，牢固树立以顾客为关注焦点、千方百计满足客户的各种需求，增强全员质量意识，加强质量教育，强力推行全面质量管理体系，加强各种质量检查，消除各种质量隐患，彻底杜绝各种异物混入，随时保持生产线、工艺变更的联系，确保产品内外在质量稳定提高，高度重视包装和服务的改进，按期交货，致力于把尚舜品牌打造成助剂行业的世界名牌。

我们十分注重产品质量控制。我们在各个生产过程都建立了严格的质量管理体系。

质量管理体系也确保我们的产品达到客户要求的相关标准，同时增强了顾客满意。我们的生产设施也为员工提供了安全的生产环境。我们内部质量控制措施，从原材料的采购到产成品的交货，严格遵循 ISO 体系要求。

我们在质量方面的长期目标：致力于品种、规格齐全，质量和服务更好，来满足国内外顾客的各种需求，致力于顾客满意率 100%。

我们的质量保证团队由质量部经理领导，受总经理监督，由专门的质量控制人员构成。他们对生产的每个环节负责，同时与各部门的领导紧密沟通合作，确保我们的生产过程符合质量控制要求。

自 2000 年 7 月，我们的质量管理体系得到 GB/T19001-1994/ISO9001:1994 认证，2018 年已升级到 GB/T19001-2016/ISO9001:2015。2019 年 8 月份山东尚舜顺利通过了北京三星九千认证公司的审核，推荐保持质量管理体系认证注册资格，环境和职业健康安全管理体系推荐再次注册；12 月份盛陶子公司顺利通过了北京三星九千认证公司的监督审核。



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Product Quality And Security

产品质量与安全



FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
<p>1. Eliminate major incidents of quality responsibility 杜绝质量责任大事故</p> <p>2. In the normal state of supply, the internal and external quality does not meet the customer's requirements, resulting in general customer bad feedback not exceeding 12 cases throughout the year 正常供货状态下因内外在质量不符合客户要求，造成一般客户不良反馈全年不超过12起</p>	<p>In 2020, the Company has achieved the annual quality target. There were no major incidents; except for 6 negative feedback from customers. 2020年没有发生质量责任大事故；发生一般客户不良反馈6起。完成了年度质量目标。</p>	<p>1. Eliminate major accidents of quality responsibility 杜绝质量责任大事故</p> <p>2. In the normal state of supply, the internal and external quality does not meet the customer's requirements, resulting in general customer bad feedback not exceeding 12 cases throughout the year 正常供货状态下因内外在质量不符合客户要求，造成一般客户不良反馈全年不超过12起</p>



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Customer Satisfaction 客户满意度

Initiatives designed to increase customer satisfaction:

- Increase employees' awareness of product quality control.
- Establish each product's standards based on each customer's requirements and provide customer with a personal, bespoke service.
- Conduct a customer survey every six months - The sales team will provide feedback to the production line regarding any less than satisfactory areas for corrective action to be taken.

对提高客户满意度采取的主动性方式：

- 提升全员的质量意识，千方百计满足客户要求，实现客户价值。
- 按照客户要求建立客户标准，树立客户标准就是最高标准的观念，实施个性化服务。
- 每半年进行一次顾客满意度调查，对于客户不满意的项目，由销售部门传递到相关部门实施改进，不断增强顾客满意。

CUSTOMER Satisfaction



Very Poor



Poor



Average



Good



Excellent





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Customer Audits

客户审核

Our customers inspect our processing facilities to verify our quality and health and safety processes as well as other operating standards. For each inspection, the customer provides us feedback on areas to improve on. These help us conform to their standards and at the same time, enhance our production capabilities.

我们的客户会对我们生产基地进行考察以确认我们产品的质量，健康安全和其他运行标准要求。对于每次审核，客户都向我们提供反馈意见，这也帮助我们符合了客户标准，同时也提高了我们的生产能力。

We were visited and audited by the following customers in FY2020. We passed all audits.

1. Giti Tire (Anhui) Company Ltd
2. Hankook Tire Co., Ltd
3. Goodyear Tyre Management Company (Shanghai) Ltd.
4. Anhui Zhongding Sealing Parts Co.,Ltd.
5. Kumho Tire(Tianjin)Co.,Inc.
6. Wanli Tire Co., L
7. Apollo Tyres Ltd

2020 年访问并审核过我们的客户有：

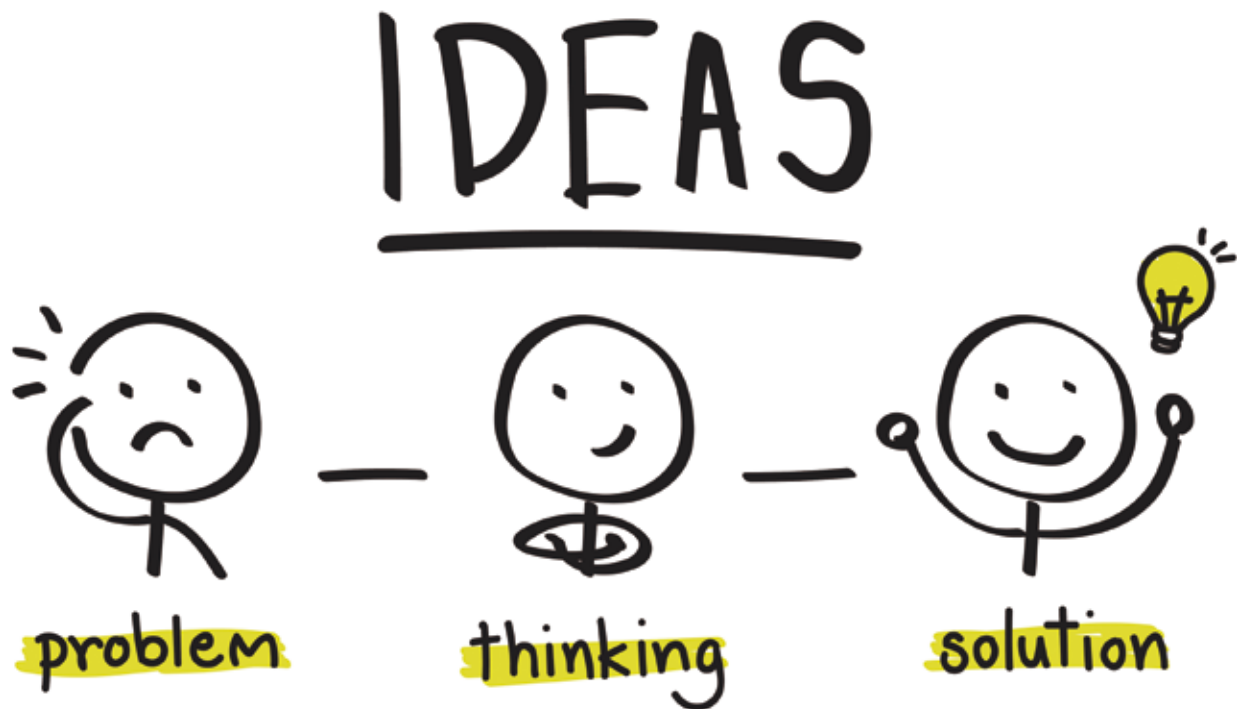
- (1) 安徽佳通轮胎有限公司
- (2) 韩泰轮胎有限公司
- (3) 固特异轮胎管理(上海)有限公司
- (4) 安徽中鼎密封件股份有限公司
- (5) 锦湖轮胎(天津)有限公司
- (6) 万力轮胎股份有限公司
- (7) 印度阿波罗轮胎

FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
1. To be market-oriented, customer-centric, and achieve improved customer satisfaction and loyalty. Our aim is to exceed a customer satisfaction rate of 96% 确保以市场为导向，以顾客为关注焦点，增强顾客满意度和忠诚度，全年客户综合满意度≥96% 2. To achieve a 100% passing rate for customers' audits 确保客户审核通过率100%	✓ Target achieved ✓ 达到目标	1. Ensure that it is market-oriented and customer-focused, and enhance customer satisfaction and loyalty, with overall customer satisfaction ≥96% throughout the year 确保以市场为导向，以顾客为关注焦点，增强顾客满意度和忠诚度，全年客户综合满意度≥96% 2. Ensure that the customer approval rate is 100% 确保客户审核通过率100%



SOCIAL 社会

Innovation
自主创新



We closely monitor national policies as well as industry development trends to maintain our position at the forefront of industry innovation. We believe in continued innovation, integrated innovation and re-invention to stay ahead of the current market trends and demand. We have therefore increased our investment in new technologies and new production processes. As a result, we achieved a number of innovative and technological breakthroughs. We were granted national support for “Compound Solvent Synthesis of high thermal stability of insoluble sulphur project”, which won the Shandong Province’s technological transformation award. We are also supported by national, provincial and municipal science and technology departments in the development of “MBT ammonium salt of oxygen preparation of new technologies MBTS”, “rubber accelerator waste gas treatment and Claus Sulfur recovery comprehensive technology” as well as more than 19 R&D projects. The “Anti-oxidant 6PPD hydrogenation in loop” project was awarded as Technology Run-up 2nd award by China Petroleum and Chemical

Industry Federation. The “Research and application of key technologies for continuous clean production of high performance accelerator MBT” project has been listed in the “Key Research and Development Plans (Major Science and Technology Innovation Projects)” and was entitled to receive a government grant of RMB 24.36 million under “2020 Shandong Province Major Science and Technology Innovation Projects Guide”, of which RMB 17 million has been received in March 2021.

In 2020, the Group secured three new State-authorized invention patents - “process and system for continuous production of rubber vulcanization accelerator tetramethylthiuram disulfide”, “process and equipment for continuous production of diphenylguanidine”, and “equipment and process for automatic continuous production of antioxidant RD”. As of end 2020, the Group had 44 national patents (2019:41), including 26 invention patents (2019:23) and 18 utility model patents (2019:18). At the same time,



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Innovation

自主创新

the Group continues to cooperate extensively on joint research projects with Tsinghua University, Tianjin University, Fudan University, Qingdao University of Science and Technology, Dalian University of Technology, Beijing University of Chemical Technology, Shandong University of Science and Technology, Dalian Institute of Physics and Chemistry, Shandong Academy of Communications, Qilu Petrochemical Research Institute, BASF China R & D Center, etc.

In 2017, the Company collaborated with Tsinghua University to set up an academician workstation. The Tsinghua University team led by Madam Chen Bingzhen, an academician of the Chinese Academy of Engineering and a professor of Tsinghua University, to boost the Company's development. The establishment of the workstation facilitates the integration of scientific research and transformation through technology, to raise the profession of rubber chemicals industry and improve the efficacy of the Company's rubber additives.

In May 2018, Qingdao University of Science and Technology and China Sunsine founded the "Rubber Additives Engineering Technology Research Center". The establishment of Engineering and Technology Research Center is expected to contribute to the implementation of national strategy for the industrial transformation, stimulate innovation, and accelerate local economic development and social development progress. We are able to gain competitive advantage in the field of polymer materials through working with one of the major laboratories initiated by the Ministry of Education. With advanced equipment and strong talent team, we will focus on transforming the scientific research results into productivity, market competitiveness of new products, expansion of the application fields of new rubber additives, and will constantly seek to improve the technology and management skills of the industry. Through various projects, we intend to engage the academic institutes for a more comprehensive co-operation, to achieve a mutual support and common development on both academic and industrial level.

集团紧盯国家产业政策和本行业发展前沿，坚持原始创新、集成创新和消化吸收再创新，立足自身实际，围绕新技术、新工艺、新产品开发，大力开展技术攻关，持续加大科技投





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Innovation 自主创新



入，着力攻克关键共性技术瓶颈制约，多项自主创新科技成果得到成功转化。“复合溶剂法合成高热稳定性不溶性硫磺项目”先后获得国家支撑计划和山东省科技成果转化重大项目；“MBT 铵盐的氧气法制备 MBTS 的新技术”、“橡胶促进剂废气治理和克劳斯硫磺回收综合技术”等 19 余项研发项目分别获得国家、省、市科技、经信等部门支持。“橡胶防老剂 6PPD 循环加氢新技术”获得中国石油和化工联合会科技进步二等奖。《高性能促进剂 MBT 连续化清洁生产关键技术研究与应用》项目入选“2020 年山东省重大科技创新工程项目指南”，争取到 2020 年度山东省重点研发计划（重大科技创新工程）项目资金 2436 万元，2021 年 3 月已拨付 1700 万元。

2020 年新增国家授权发明专利 3 项，《一种连续生产橡胶硫化促进剂二硫化四甲基秋兰姆的工艺及系统》、《连续化生产二苯胍的生产工艺及设备》、《一种全自动连续化生产防老剂 RD 的设备及工艺》；至 2020 年底，集团拥有国家专利 44（2019: 41）项，其中，发明专利 26（2019: 23）项，实用新型专利 18（2019: 18）项。同时，集团不断拓展合作领域，与清华大学、天津大学、复旦大学、青岛科技大学、大连理工大学、北京化工大学、山东理工大学、山东科技大学、大连物化所、山东省交科院、齐鲁石化研究院、巴斯夫中国研发中心等开展了研究合作项目。

2017 年，尚舜化工与清华大学合作成立了院士工作站，中国工程院院士、清华大学教授、博士生导师陈丙珍带领的清华大学团队助力尚舜化工发展，院士工作站的成立将有利于实现产学研结合，充分发挥专家的科研优势，实现科技成果的转化，实现橡胶助剂行业的升级，推动尚舜化工橡胶助剂的发展取得辉煌的成果。

2018 年 5 月，青岛科技大学与山东尚舜化工联合成立的“橡胶助剂工程技术研究中心”在山东尚舜挂牌。工程技术研究中心的成立，将为落实国家新旧动能转换战略，加快公司创新发展，促进地方经济发展和社会进步贡献力量。公司也将充分利用橡胶材料与工程教育部重点实验室在材料方面的平台优势，先进的仪器装备条件及强大的人才团队优势，将科研成果尽快地转化为生产力，新产品的市场竞争优势，拓展新型橡胶助剂的应用领域，不断提升橡胶助剂和橡胶产业的技术和管理水平，通过多种形式共同推进企业与学校的全面技术合作，形成专业、产业相互促进、共同发展，实现“校企合作、产学研共赢”。





SOCIAL

社会

Local Communities 当地社区

Under the leadership of the Chairman of the Board, the Group has always been clear on of its social responsibility, and over the years, has supported numerous public welfare projects including maintenance of roads and bridges, culture causes, charity and poverty alleviation, etc. The Group also supports education, and in 2020, supported 45 needy students with their education needs. In total, from 2011 to 2020, the Group has supported more than 500 needy students through RMB 1.51 million in education grants.

In early 2020 during the Covid-19 pandemic, under the Chairman's leadership, the Group organised various initiatives (such as fund raising campaigns, volunteer support activities etc) to support the fight against the virus. The Company also stepped up its production of disinfectants and donated 120 tonnes of disinfectants to support the needs of the Epidemic Prevention and Control Headquarters of Shan county. Additionally, the Company donated RMB 500,000 to the Red Cross Society of Shan county.

The Company strongly supports the government's poverty alleviation strategy. Since 2011, it has supported various initiatives and provided more than RMB 6 million in funds and materials to 10 impoverished villages and more than 600 needy households in Yanglou Town, Shilou Town, Xieji Town, litianlou Town, horticultural office and other towns of Shan county. Through these initiatives, the Company had alleviated the suffering and improved the lives of citizens and townships. As at end of 2020, all supported initiatives have shown good results. During the year, we donated RMB 1.37 million (2019: RMB 8.10 million).

在董事长的带领下，集团始终把投身公益事业、履行社会责任作为自身义不容辞的义务，多年来为修路、修桥、文化、慈善、扶贫等社会公益事业捐资，并坚持捐资助学，2020年资助贫困生45名，自2011年至2020年，已累计资助贫困学生500余名，共发放助学金151万多元，对弱势群体贫困学子的资助已形成常态。

2020年初，新型冠状病毒造成的疫情蔓延期间，公司全体干部职工在董事长带领下积极开展为疫情防控捐款捐物献爱心等活动，以各种方式为战胜疫情贡献力量，彰显橡胶助剂领军企业的责任与担当。疫情发生后，公司加班加点生产消毒液，陆续无偿的捐赠给单县疫情防控指挥部，用于全县疫情防控，消毒液分发总量达到了120吨，同时向单县红十字会捐赠防疫资金50万元，得到社会各界的一致赞赏。

公司坚决贯彻落实政府脱贫攻坚战略，扎实推进扶贫工作。自2011年以来，累计对口支援帮扶了单县杨楼镇、时楼镇、谢集镇、李田楼镇、园艺办事处等乡镇的10个贫困村，600余个贫困户，对定点帮扶贫困村提供了合计600多万元的资金与物资帮扶，解决了贫困群众生活存在的实际问题，至2020年，扶贫工作取得了良好的成绩。

本年度，集团共捐助人民币137万元（2019年：810万元）。



FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
Continue to contribute to public welfare and social responsibility 坚持投身公益事业、履行社会责任	Target achieved ✓ 达到目标	Continue to contribute to public welfare and social responsibility 坚持投身公益事业、履行社会责任

SOCIAL
社会Local Communities
当地社区Group Awards in 2020
2020年集团所获荣誉

序号No.	荣誉名称 Name of awards	颁发机构 Awarding agency
1	2019年度绿色发展典范企业 2019 Green Development Model Enterprise	中国环境报社 China Environment News
2	2020山东化工发展潜力 五十强企业 2020 Shandong Chemical Potential Top 50	中国化工情报信息协会China Chemical Industry Information Association 全国石油化工信息总站 China Petrochemical Information Centre 山东省化工信息中心 Shandong Chemical Information Centre 山东互联网传媒集团大众网 Shandong Internet Media Group Public Network
3	2020年菏泽市网络安全攻防演练防守单位 优秀奖 2020 Heze Internet Safety Defensive Excellent Enterprise	菏泽市公安局 Heze Police Station 菏泽市大数据局 Heze Big Data Bureau
4	2020年度中国橡胶制品行业优秀供应商 2020 China Rubber Chemical Outstanding Supplier	中国橡胶工业协会橡胶制品分会 China Rubber Industry Association Rubber Chemical Commission
5	2020中国石油和化工企业专用化学品制造业百强企业第29名) 2020 China Petroleum and Chemical Industry Speciality Manufacturing Enterprise Top 100 (ranked 29th)	中国石油和化学工业联合会 China Petroleum and Chemical Industry Federation 中国化工企业管理协会 China Chemical Enterprise Management Association
6	2020中国石油和化工企业500强独立生产、经营企业第140名 2020 China Petroleum and Chemical Enterprise Top 500 Independent Production and Management Rank 140	中国石油和化学工业联合会 China Petroleum and Chemical Industry Federation 中国化工企业管理协会 China Chemical Enterprise Management Association
7	2020中国石油和化工企业500强 2020 China Petroleum and Chemical Enterprise Top 500	中国石油和化学工业联合会 China Petroleum and Chemical Industry Federation 中国化工企业管理协会 China Chemical Enterprise Management Association
8	2020中国精细化工百强 2020 China Fine Chemical Top 100	全国精细化工原料及中间体行业协作组 China Fine Chemical Raw Material and Intermediate Industry 中国化工情报信息协会 China Chemical Industry Information Association
9	中国石油和化工民营企业 销售收入排序百强 China Petroleum and Chemical Private Company Top 100 by Sales Revenue	中国石油和化学工业联合会 China Petroleum and Chemical Industry Federation
10	2020山东省石油和化学工业百强企业创新指数排行榜前四十强 2020 Shandong Petroleum and Chemical Enterprise Top 100 Innovation Index Top 40	山东省化工情报信息协会 Shandong Chemical Information Association
11	2020年度万达轮胎 研发创新奖 2020 Wanda Tire Research and Innovation Award	天津市万达轮胎集团有限公司 Tianjin Wanda Tires Group Ltd
12	潍坊尚舜化工有限公司获2019年度纳税二十强企业 Weifang Sunsine was awarded as 2019 Top 20 Tax Payer	潍坊滨海经济技术开发区党工委 Weifang Binhai Economic and Technological Development Zone Party Working Committee 潍坊滨海经济技术开发区管委会 Weifang Binhai Economic and Technological Development Zone Management Committee
13	潍坊尚舜化工有限公司获健康促进企业 Weifang Sunsine was awarded as Health Promotion Enterprise	潍坊市卫生健康委员会 Weifang Health Commission



SOCIAL

社会

Membership In Industry Associations

协会会员

Member of Rubber Industry Association of PRC	中国橡胶工业协会主席团成员单位
Member of Rubber Accelerators Industry Association of PRC	中国化工学会会员单位
Member of Chinese Chemical Society	中国橡胶工业协会助剂专业委员会副理事长单位
Member of Shandong Province Rubber Industry Association	山东省橡胶行业协会副理事长单位
Deputy Chairman of Green Manufactory Committee of Chemical Industry and Engineering Society of PRC	中国化工学会橡塑产品绿色制造专业委员会副主任委员单位
Member of China Green Development Union	中国绿色发展联盟理事单位
Member of Shandong High Quality Chemical Industry Alliance	山东省高端化工发展促进会理事单位
Executive Vice President of Heze, China International Chamber of Commerce	中国国际商会菏泽商会常务副会长单位
Executive Member of Heze Foundation For Justice and Courage	菏泽市见义勇为基金会常务理事单位





GOVERNANCE

治理

China SunSine is committed to the highest standards of corporate governance and transparency in its policies and processes. We deem corporate governance as essential for the success of the Group and to be in the best interests of our shareholders. For more details of our corporate governance performance and practices in 2020, please refer to our Annual Report 2020, on pages 25 – 48.

中国尚舜承诺最高标准的企业治理，政策流程的透明性。我们相信企业治理是集团成功的关键，也是对利益相关方的最大利益。对于2020年企业治理成绩和实践，请参阅2020年年报第25 – 48页。

Enterprise Risk Management (ERM) 企业风险管理

ERM is an integral part of good corporate governance as well as resource management. A thorough and comprehensive ERM framework enables China SunSine to identify, communicate and manage its risks and exposures in an integrated, systematic and consistent manner. For detailed disclosure on ERM, please refer to our Annual Report, pages 25 – 48.

企业风险管理是良好企业治理的一部分。一份完整充分的企业风险管理大纲能帮助中国尚舜在整体、系统和一致性基础上确认，交流和管理风险及暴露的不足。

有关详细的企业风险管理报告，请参阅 2020 年年报第 25 – 48 页。





GOVERNANCE

治理

Fair Operating Practice 公平营运实践

Over the years, we have been continuously enhancing our policies and procedures such as cash management and procurement processes to prevent any anti-competitive behaviours.

In FY2020, we conducted code of conduct training for and obtained conflict of interest declaration from our management team. We will continue to strengthen our control environment to eliminate anti-competitive and corruption opportunities.

在过去的几年内，我们不断提高内部管理政策，如现金管理和采购流程，来防止任何反竞争行为。

在2020年，我们进行了管理层行动守则培训，签订了利益冲突确认函。我们会继续加强管理内部政策，争取杜绝一切反竞争行为和一切试图行贿行为。



FY2020 Target 2020年目标	FY2020 Performance 2020年完成情况	FY2021 Target 2021年目标
Continue to strengthen our control environment to eliminate anti-competitive and corruption opportunities 继续加强管理内部政策，争取杜绝一切反竞争行为和一切试图行贿行为	<ul style="list-style-type: none"> ✓ Target achieved ✓ 达到目标 	Continue to strengthen our control environment to eliminate anti-competitive and corruption opportunities 继续加强管理内部政策，争取杜绝一切反竞争行为和一切试图行贿行为



GRI STANDARDS CONTENT INDEX

全球报告倡议组织准则指引

GRI 101: Foundation 2016			
GENERAL DISCLOSURE			
GRI 102: General Disclosures	102-1	Name of organisation	China Sunsine Chemical Holdings Ltd
	102-2	Activities, brands, products and services	Sustainability Report (SR) page 3, Annual Report (AR) page 22
	102-3	Location of headquarters	AR pages 23 to 24
	102-4	Location of operations	SR page 3, AR page 23
	102-5	Ownership and legal form	SR page 3, AR page 23
	102-6	Markets served	SR page 3, AR pages 20 to 21
	102-7	Scale of the organisation	SR page 3, AR pages 20 to 21
	102-8	Information on employees and other workers	SR pages 24 to 26
	102-9	Supply chain	AR page 3
	102-10	Significant changes to the organisation and its supply chain	None
	102-11	Precautionary Principle or approach	We do not specifically address the precautionary principle
	102-12	External initiatives	SR pages 40 to 41
	102-13	Membership of associations	SR page 42
	102-14	Statement from senior decision maker	SR pages 1 to 2
	102-16	Values, principles, standards and norms of behaviour	SR pages 43 to 44
	102-18	Governance structure	AR pages 25 to 48
	102-40	List of stakeholder groups	SR pages 7 to 9
	102-41	Collective bargaining agreements	None
	102-42	Identifying and selecting stakeholders	SR page 7
	102-43	Approach to stakeholder engagement	SR pages 7 to 9
	102-44	Key topics and concerns raised	SR pages 7 to 9
	102-45	Entities included in the consolidated financial statements	AR pages 23, 80 to 81
	102-46	Defining report content and topic boundaries	SR page 4
	102-47	List of material topics	SR page 10
	102-48	Restatement of information	None
	102-49	Changes in reporting	None
	102-50	Reporting period	SR page 4
	102-51	Date of most recent previous report	31 March 2020
	102-52	Reporting cycle	Annually
	102-53	Contact point for questions about the report	SR page 4
	102-54	Claims if reporting in accordance with the GRI Standards	SR page 4
	102-55	GRI content index	SR pages 45 to 46
102-56	External Assurance	We may seek external assurance in the future	



GRI STANDARDS CONTENT INDEX

全球报告倡议组织准则指引

MATERIAL TOPICS			
GRI 201: Economic performance	201-1	Direct economic value generated and distributed	SR pages 11 to 13
GRI 205: Anti-corruption	205-1	Operations assessed for risks related to corruption	SR page 14
GRI 302: Energy	302-1	Energy consumption within the organization	SR pages 17 to 19
GRI 303: Water	303-3	Water recycled and reused	SR pages 20 to 21
GRI 305: Emissions			SR pages 22 to 23
GRI 307: Environmental compliance	307-1	Non-compliance with environmental laws and regulations	SR page 23
GRI 403: Occupational health and safety	403-2	Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	SR pages 28 to 31
GRI 404: Training and Education	404-1	Average hours of training per year per employee	SR age 27
GRI 405: Diversity and equal opportunity	405-1	Diversity of governance bodies and employees	SR pages 24 to 26
GRI 413: Local communities	413-1	Operations with local community engagement, impact assessments, and development programs	SR pages 40 to 41



SUSTAINABILITY REPORT FEEDBACK FORM

可持续发展报告调查反馈表

Part 1 – Material EESG ranking 重要因素排行

Please rank the following factors from 1 to 5, 5 being the most significant and 1 as the least significant.
请依据1-5为下列因素排行，5为最重要，1为最不重要。

A. Economic 经济

Material Factor 重要因素	Influence to stakeholders 对利益相关者的影响
EC1 – Economic Performance 经济绩效	
EC2 – Anti – Corruption 防贪腐	
Others 其他	

B. Environmental 环境

Material Factor 重要因素	Influence to stakeholders 对利益相关者的影响
EV1 – Energy 能源	
EV2 – Water 水资源	
EV3 – Emission 排放	
EV4 – Environmental Compliance 环境合规	
Others 其他	

C. Social 社会

Material Factor 重要因素	Influence to stakeholders 对利益相关者的影响
S1 – Employment, Diversity and Equal Opportunity 雇佣，多元化和平等机会	
S2 – Training and Education 培训与教育	
S3 – Occupational Health and Safety 健康与安全	
S4 – Local Communities 当地社区	
Others 其他	

D. Governance 治理

Material Factor 重要因素	Influence to stakeholders 对利益相关者的影响
G1 – Enterprise Risk Management 企业风险管理	
G2 – Fair Operating Practice 公平营运实践	
Others 其他	



Part 2 – Feedback 反馈

To assist us in improving our sustainability reporting, please provide us with your feedback.
为了进一步帮助我们提高可持续性发展报告的编制，恳请提供以下反馈：

I am a:

我是：

- Shareholder 股东
- Investor 投资者
- Employee 员工
- Consultant, supplier or business partner 顾问，供应商或商业伙伴
- Customer 客户
- Government/regulatory agency 政府部门
- Media 媒体
- Others 其他（请注明）_____

1. How did you obtain a copy of our Sustainability Report?

您是从哪里获得此可持续性发展报告的？

- website 网站
- employee 员工
- Others 其他 _____ (please specify请注明)

2. Overall you found the:

总体上，您觉得此报告：

- Approach and style of reporting: Excellent / Very good / Good / Fair / Poor
编制的方法和形式：非常好/很好/好/一般/差
- Amount of Information: Excellent / Very good / Good / Fair / Poor
报告的内容：非常好/很好/好/一般/差
- Layout and design of the report: Excellent / Very good / Good / Fair / Poor
报告的版面及设计：非常好/很好/好/一般/差
- Graphs and tables: Excellent / Very good / Good / Fair / Poor
报告的表格及图表：非常好/很好/好/一般/差

3. Which part did you find most useful and why? 您最喜欢哪个部分？为何？

4. How could we improve on the report? 我们该如何改进此报告？

5. What topics or issues do you want to be added to the report? 您还想在此报告中加入哪种信息？

6. Any other comments and suggestions? 您还有什么其他的建议？

If you would like us to contact you if we need clarification:

如您愿意我们联系您以获取您进一步的建议，请留下以下联系方式：

Name 姓名: _____

Address 地址: _____

Phone 电话: _____

Email 电邮: _____

Thank you for your feedback! 非常感谢您的反馈！





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