



# DONGJIANG ENVIRONMENTAL COMPANY LIMITED\*

## 东江环保股份有限公司

(a joint stock limited company incorporated in the People's Republic of China)  
(于中华人民共和国注册成立之股份有限公司)

Stock Code 股份代号 : SZ.002672, HK.0895

# 2023

## Environmental, Social and Governance Report

### 环境、社会及管治报告



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# ABOUT THE REPORT

## 关于本报告

1

The Report is the Environmental, Social and Governance (“ESG”) Report (the “Report” or “ESG Report”) published by Dongjiang Environmental Company Limited (the “Company” or “Dongjiang Environmental”) and its subsidiaries (the “Group” or “we”, “our” or “us”), which mainly discloses the Group’s strategies, measures, work and performance in fulfilling corporate social responsibility and achieving sustainable development.

本报告是东江环保股份有限公司(以下简称「本公司」或「东江环保」)及其附属公司(以下简称「本集团」或「我们」)发布的环境、社会及管治(下称「ESG」)报告(下称「本报告」或「ESG报告」),重点披露本集团在履行企业社会责任及实现可持续发展方面的策略、措施、工作和绩效。

### BASIS FOR PREPARATION

The Report is prepared in accordance with the Environmental, Social and Governance Reporting Guide (the “Guide”) as set out in Appendix C2 to the Rules Governing the Listing of Securities (the “Listing Rules”) issued by The Stock Exchange of Hong Kong Limited (the “Stock Exchange”), and the scope covered in the Report also complies with the mandatory disclosure requirements, the “Comply or Explain” provisions in the Guide and the requirements of the four reporting principles (materiality, quantitative, balance and consistency).

### 编制依据

本报告是依据香港联合交易所有限公司(以下简称「联交所」)发布的《证券上市规则》(以下简称「上市规则」)附录C2之《环境、社会及管治报告指引》(以下简称「指引」)编制而成,本报告涵盖的内容已符合指引内强制披露规定、「不遵守就解释」的条文与四项报告原则(重要性、量化、平衡及一致性)的要求。

Materiality	In the Report, we have identified and disclosed the process and criteria for material ESG issues, as well as the description of key stakeholders, the process and results of stakeholder engagement.
重要性	报告中,我们已识别并披露重要ESG议题的过程与准则,以及重要持份者的描述、持份者参与的过程与结果。
Quantitative	We have disclosed the statistical standards, methodologies, assumptions, calculation tools used in reporting key performance indicators (“KPIs”), and sources of conversion factors.
量化	我们已披露有关汇报关键绩效指标所用的统计标准、方法、假设、计算工具、以及转换因素的来源。
Balance	The Report should provide an unbiased picture of the Group’s performance during the Reporting Period. The Report should avoid selections, omissions and presentation formats that may influence a decision or judgment by the Report reader.
平衡	本报告不偏不倚地呈报本集团报告期内的表现,避免因选择、遗漏和呈报格式而影响报告读者决策或判断。
Consistency	The statistical approach we used in the Report is consistent with last year. If there are any changes to statistical methods or KPIs, or other relevant factors that affect the validity of the comparisons, we will make this clear in our ESG Report.
一致性	我们于报告中使用的统计方法与去年一致。如果统计方法或关键绩效指标有任何变更,或其他影响到比较的有效性的相关因素,我们会在ESG报告中清楚说明。







# 1 | ABOUT THE REPORT

## 关于本报告

### REPORTING PERIOD AND SCOPE

The time frame of data disclosed in the Report covers the period from 1 January 2023 to 31 December 2023 (the “Year” or “Reporting Period”) about the work of sustainable development. Unless otherwise specified, the content coverage of the Report is consistent with the coverage of the “2023 Annual Report”. The data coverage of environmental KPIs in the Report covers the headquarters and the following 16 subsidiaries, and we will continue to increase the scope and depth of such coverage and constantly monitor the Group’s performance in sustainability in the future.

### 报告时间及范围

本报告数据披露范围为二零二三年一月一日至二零二三年十二月三十一日(下称「本年度」或「报告期内」)关于可持续发展的工作。除特殊说明外,本报告的内容涵盖范围与《2023年报》的涵盖范围一致。本报告的环境关键绩效指标的数据范围涵盖总部及以下16家子公司,未来我们将不断扩大涵盖范围及深度,持续监测本集团可持续发展的相关表现。



## ABOUT THE REPORT

### 关于本报告

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#### Data coverage of environmental KPIs

#### 环境关键绩效指标的数据范围

Baoan Dongjiang:	Shenzhen Baoan Dongjiang Environmental Technology Co., Ltd.	宝安东江:	深圳市宝安东江环保技术有限公司
Jiangmen Dongjiang:	Jiangmen Dongjiang Environmental Technology Co., Ltd.	江门东江:	江门市东江环保技术有限公司
Huizhou Dongjiang:	Huizhou Dongjiang Environment Technology Co., Ltd.	惠州东江:	惠州市东江环保技术有限公司
Qingyuan Xinlv:	Qingyuan Xinlv Environmental Technology Co., Ltd.	清远新绿:	清远市新绿环境技术有限公司
Kunshan Treatment:	Kunshan Qiandeng Three Wastes Treatment Co., Ltd	昆山净化:	昆山市千灯三废净化有限公司
Jiangsu Dongjiang:	Jiangsu Dongjiang Environmental Services Co., Ltd	江苏东江:	江苏东江环境服务有限公司
Wosen Environmental:	Karamay Wosen Environmental Technology Co., Ltd.	沃森环保:	克拉玛依沃森环保科技有限公司
Jiangxi Dongjiang:	Jiangxi Dongjiang Environmental Technology Co., Ltd.	江西东江:	江西东江环保技术有限公司
Qianhai Dongjiang:	Shenzhen Qianhai Dongjiang Environment Technology Service Co., Ltd.	前海东江:	深圳市前海东江环保科技服务有限公司
Humen Green:	Dongguan Humen Green Water Co., Ltd.	虎门绿源:	东莞市虎门绿源水务有限公司
Xiantao Dongjiang:	Xiantao Dongjiang Environmental Technology Co., Ltd.	仙桃东江:	仙桃东江环保科技有限公司
Huabao Technology:	Shenzhen Huabao Technology Co., Ltd.	华保科技:	深圳市华保科技有限公司
Renewable Energy:	Shenzhen Dongjiang Environmental Renewable Energy Co., Ltd.	再生能源:	深圳市东江环保再生能源有限公司
Zhuhai Yongxingsheng:	Zhuhai Yongxingsheng Environmental Industrial Waste Recycling and Integrated Treatment Co., Ltd.	珠海永兴盛:	珠海市斗门区永兴盛环保工业废弃物回收综合处理有限公司
Shaoguan Dongjiang:	Shaoguan Dongjiang Environmental Sustainable Resources Development Co., Ltd.	韶关东江:	韶关东江环保再生资源发展有限公司
Xiongfeng Environment:	Chenzhou Xiongfeng Environment Technology Company Limited	雄风环保:	郴州雄风环保科技有限公司



# 1 | ABOUT THE REPORT

## 关于本报告

### REPORTING LANGUAGE AND PUBLICATION

The Report is published in Traditional Chinese and English versions. You may access the electronic version of the Report on the Company website ([www.dongjiang.com.cn](http://www.dongjiang.com.cn)) or through the HKEX news website ([www.hkexnews.hk](http://www.hkexnews.hk)).

### APPROVAL OF THE REPORT

The Report has been approved by the board of directors of the Group (the "Board") on 26 April 2024.

### CONTACT

We value the comments and opinions of stakeholders and the public on the Report. Please feel free to contact us for communication through the following ways. Your comments will help us further improve the Report and enhance our sustainable performance.

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Email address: [ir@dongjiang.com.cn](mailto:ir@dongjiang.com.cn)

### 报告语言及发布

本报告以繁体中文及英文版本发布。报告电子版可在本集团网站([www.dongjiang.com.cn](http://www.dongjiang.com.cn))浏览，或者可在香港交易所披露易网站([www.hkexnews.hk](http://www.hkexnews.hk))进行浏览。

### 报告批准

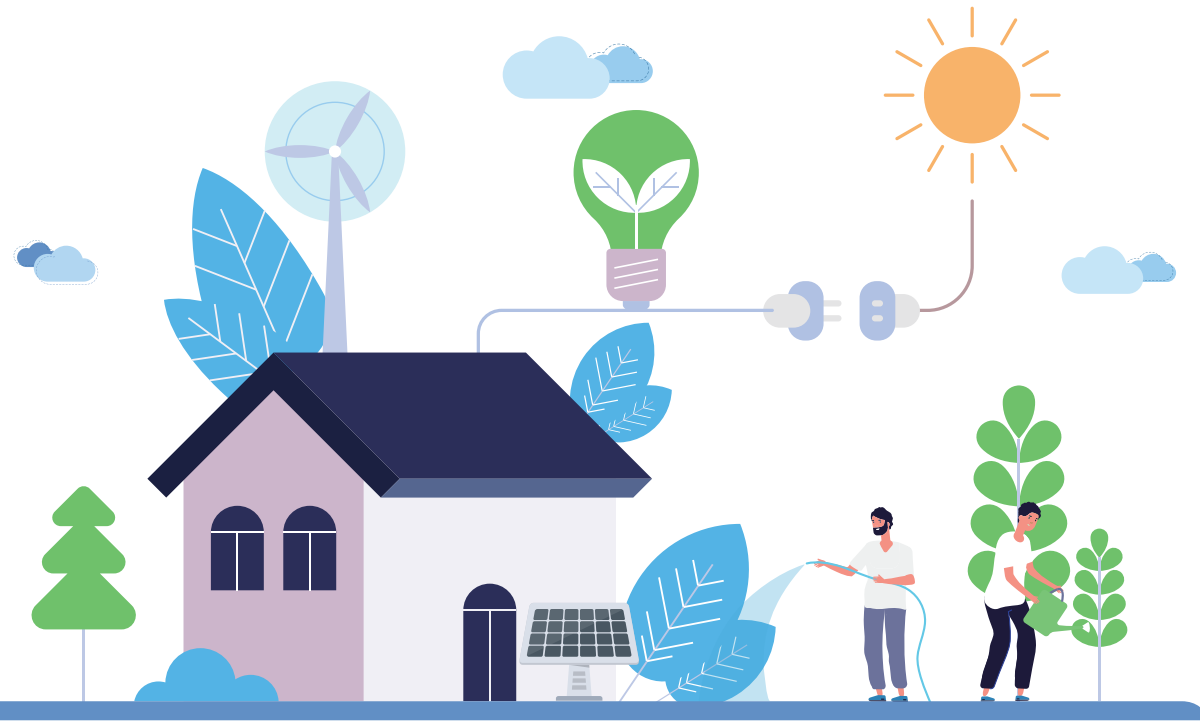
本报告已经于2024年4月26日获得本集团董事会(「董事会」)审批。

### 联系方式

我们重视每位持份者及公众对本报告的建议与意见，并十分欢迎读者通过以下联络方式和我们联系与沟通。您的意见将帮助我们进一步完善本报告并提升我们的可持续表现。

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During the “14th Five-Year Plan” period, China’s ecological civilization construction has entered a critical period of building a beautiful China by taking carbon reduction as the key strategic direction, promoting the synergy of pollution reduction and carbon reduction, and facilitating the overall green transformation of economic and social development. Under the promotion of the concept of circular economy and zero-waste cities, more and more environmental-friendly science and technology have been applied to various fields of social production and life. The environmental protection industry has officially entered the era of environmental protection 3.0 driven by business model improvement + high-quality technology. Under the continuous stimulation of the policy environment and market demand, the demand for green, low-carbon and resource recycling is expected to be further amplified.

「十四五」时期，我国生态文明建设进入以降碳为重点战略方向，推动减污降碳协同增效，促进经济社会发展全面绿色转型，建设美丽中国的关键时期。在循环经济与无废城市的理念倡导下，越来越多的环境友好型科学技术被应用于社会生产生活的各个领域，环保行业正式进入以经营模式改善+优质技术驱动的环保3.0时代，在政策环境与市场需求的不断刺激下，企业对于绿色低碳及资源再生领域的需求有望进一步放大。

## 2 | MESSAGE FROM THE CHAIRMAN

### 董事长致辞

In 2023, Dongjiang Environmental continued to deeply explore the main business of hazardous waste, consolidate its market advantages, and make efforts in the innovation achievements and the implementation of major projects; however, due to the negative impact of the slow recovery of the industry as a whole, the lack of significant improvement in the market structure, and the continuous decline in both volume and price, the hazardous waste utilization and treatment industry is still facing severe challenges. Despite the pressure in operation, the Group has always been committed to the sustainable development of the environment and society, and insisted on fulfilling its corporate and social responsibility. During the Year, the Group invested a total of CNY370,000 in funds and manpower and material resources to assist in the twinning support for rural revitalization in Wengyuan County, Shaoguan City, Guangdong Province, Nanping, Fujian Province, as well as road repairs and assistance donations to comprehensively contribute to poverty alleviation and rural revitalization.

In 2024, the Group will continue to adhere to the basic policy of “ensuring survival and seizing market share”. While ensuring the stability of hazardous waste collection and transportation volume, the Group consolidate and develop the Group’s advantageous businesses, continuously expand the market coverage area. Meanwhile, we persistently increase the production and sales of high value-added recycled products, and strengthen the sales of overseas products. With the management of “Three Refinements” as an important starting point of “extreme cost reduction”, the Group took measures such as the unit consumption and energy consumption control of auxiliary materials, reduction of maintenance costs, and technical transformation and upgrading to improve the Group’s efficiency and promote the high-quality development of the Group. The next step will be to promote industrial optimization with “extreme pace transformation”, and to cultivate and expand the environmental services industry in an extremely fast manner, including the operation and management of industrial municipal wastewater, rural domestic wastewater and rubbish, and the expansion of environmental consulting, design, engineering, monitoring and environmental protection housekeeping services. In terms of pollutant treatment, environmental self-monitoring plans, emergency response plans for environmental emergencies, investment in environmental governance and protection, the Group will strictly implement the requirements of laws and regulations and industry standards, and will rely on information platforms such as the “Safe Dongjiang” and the “Intelligent Environmental Protection Operation Platform” to monitor environmental information in a timely manner, accurately and comprehensively disclose the information, and to accept the supervision and guidance from the public and the regulatory bodies.

2023年，东江环保继续深耕危废主业，巩固市场优势，并发力科技创新成果与重大项目落地；但受到行业整体复苏缓慢，市场格局未明显好转，量价齐跌趋势持续等负面影响，危废利用处置行业仍面临严峻挑战。虽然在经营方面面临压力，但本集团始终致力于环境与社会的可持续发展，坚持履行企业社会责任，本年度共投入人民币37万元资金和人力物力，助力结对帮扶广东省韶关市翁源县、福建南平乡村振兴、道路维修和援助捐赠，全面助力脱贫攻坚和乡村振兴工作。

2024年，本集团将继续坚持「保生存、抢市场」的基本方针，在确保危废收运量稳定的情况下，巩固发展集团优势业务，不断拓宽市场覆盖区域。同时，我们持续加大高附加值资源化产品销售力度，加强海外产品销售力度。本集团以「三精」管理作为「极限降本」的重要抓手，采取辅料单耗与能耗控制、维修成本压降、技改升级等措施提升集团效益，促进集团高质量发展；下一步将以「极快转型」推动产业优化，极快培育做大环境服务产业，包括工业级市政污水、农村生活污水、垃圾运营管理，拓展环境咨询、设计、工程、监测、环保管家服务等。在污染物处理、环境自行监测方案、突发环境事件应急预案、环境治理和保护投入等方面本集团将严格执行法律法规要求及行业标准，依托「平安东江」、「智慧环保运营平台」等信息平台，及时监测环境信息，准确全面进行信息披露，接受公众与监管机构的监督和指导。

## MESSAGE FROM THE CHAIRMAN

## 董事长致辞

## 2

In 2024, Dongjiang Environmental will adhere to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, and take multiple measures on the premise of maintaining its own advantages. We will aim at “ensuring business operation” and lighting up “new hope”, taking “three extremes (extreme cost reduction, extreme rate efficiency improvement and extreme pace transformation) and four strengthenings (strengthening performance assessment, strengthening incentives, strengthening constraints and strengthening fault tolerance)” as important means, strive to achieve a new round of high-quality development.

Dongjiang Environmental Company Limited  
Wang Bi'an  
Chairman

April 2024

2024年，东江环保将坚持以习近平新时代中国特色社会主义思想为指导，在维持自身优势领域的前提下，多措并举，以「保经营」、点燃「新希望」为目标，以「三极四强」（「极限降本、极速增效、极快转型」及「强考核、强激励、强约束、强容错」）为重要手段，力争实现新一轮高质量发展。

东江环保股份有限公司  
王碧安  
董事长

2024年4月



# 3 | ABOUT OUR GROUP

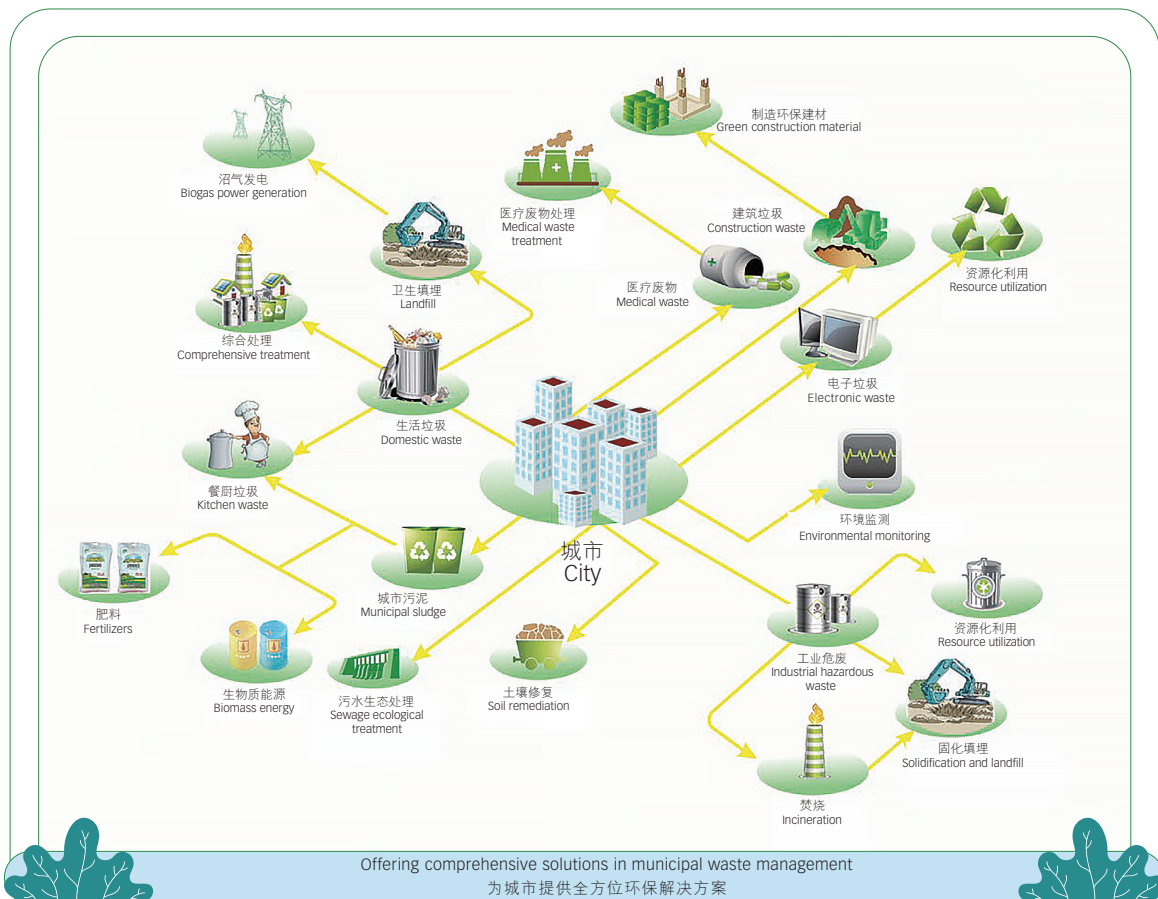
## 关于本集团

Dongjiang Environmental was established in 1999. It is an environmental protection company listed in Shenzhen and Hong Kong (stock codes: 002672.SZ and 00895.HK). The Group is a provincial state-owned enterprise, and its controlling shareholder is Guangdong Rising Holdings Group Co., Ltd. ("Guangdong Rising Group"), which is a top 500 enterprise in China, providing a strong state-owned asset backing for the development of the Group and an important guarantee for the sustainable and long-term development of the Group's business.

Dongjiang Environmental is a technology-based integrated environmental service provider focusing on the field of hazardous waste treatment, covering the fields of resource utilization and harmless treatment of industrial and municipal waste, and rare and precious metal recycling. It also develops water treatment, environmental work, environmental testing and other businesses, customises and provides one-stop environmental protection services for enterprises at different stages of development, and can provide overall solutions for urban waste management. At the same time, driven by technological innovation, we are brave to assume environmental and social responsibilities, and committed to becoming the best environmental solutions provider and service provider for all levels of government and park enterprises.

东江环保股份有限公司成立于1999年，为深港两地上市的环保企业（股票代码：002672.SZ, 00895.HK）。本集团是省属国有控股企业，控股股东为广东省广晟控股集团有限公司（「广晟控股集团」），为中国500强企业，为本集团发展提供了强有力的国资后盾，是本集团业务持续长久发展的重要保证。

东江环保是一家科技型综合环境服务商，专注于危废处置领域，涵盖工业和市政废物的资源化利用与无害化处理、稀贵金属回收领域，配套发展水治理、环境工作、环境检测等业务，为企业的不同发展阶段定制和提供一站式环保服务，并可为城市废物管理提供整体解决方案，同时我们以技术创新为驱动，勇于承担环境社会责任，致力于成为各级政府、园区企业最优质的环境方案提供者和服务商。





### 3.1 Business of the Group

Over the past 25 years, Dongjiang Environmental has always focused on the field of hazardous waste treatment, providing mature and reliable “one-stop” environmental protection solutions for tens of thousands of enterprises and public institutions, thus accumulating extensive successful experience, becoming a one-stop comprehensive environmental protection service provider covering the Guangdong-Hong Kong-Macao Greater Bay Area, the Yangtze River Delta, the Beijing-Tianjin-Hebei Region and the central and western regions with nearly 60 subsidiaries. As at the end of the Reporting Period, Dongjiang Environmental has obtained the hazardous waste operation qualification of more than 2,700,000 tonnes, and can treat 44 categories of hazardous waste (46 categories in total in the National Hazardous Waste List). The quality of recycled products such as alkaline copper chloride, feed-grade copper sulphate and electroplating-grade copper sulphate, as well as rare and precious metals such as bismuth, tellurium, lead and antimony oxide has reached the industry-leading level.

During the Reporting Period, Dongjiang Environmental continued to focus on the main business of hazardous waste, consolidated its market advantages, accelerated the implementation and commissioning of a number of key projects, achieved a number of breakthrough achievements in scientific and technological innovation, achieved remarkable results in “extreme cost reduction”, and continued to deepen the reform of state-owned enterprises. In the face of increasingly fierce market competition, the Group made full use of the advantages of complete qualifications and industrial layout in various regions across the country to continuously expand the market coverage area and actively explore new markets. At the same time, we continued to increase the production and sales of high value-added recycled products, vigorously expanded the sales channels in overseas markets, and continuously strengthened the sales of overseas products.

### 3.1 集团业务简介

25年来，东江环保始终聚焦危险废物处置领域，为累计服务数万企、事业单位客户提供成熟可靠的「一站式」环保解决方案，积累了大量成功经验，成为业务覆盖粤港澳大湾区、长三角、京津冀及中西部地区，拥有近60家分子公司的一站式综合环保服务供应商。截至报告期末，东江环保已拥有危险废物经营资质超270万吨，可处理危险废物种类达44类（《国家危险废物名录》共46大类），碱式氯化铜、饲料级硫酸铜、电镀级硫酸铜等资源化产品及精铋、精碲、电铅、氧化锑等稀贵金属产品质量达到行业领先水平。

报告期内，东江环保继续聚焦于危废主业，市场优势得以巩固，多个重点项目加速落地投产，科技创新取得多项突破性成果，「极限降本」取得显著成效，国企改革行动持续深化。面对愈加激烈的市场竞争，本集团充分利用齐全的资质优势以及全国各区域产业布局优势，不断拓宽市场覆盖区域，积极开拓新市场。同时，我们持续加大高附加值资源化产品生产销售力度，大力拓展海外市场销售渠道，不断加强海外产品销售工作。



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### 关于本集团

During the Year, key projects such as Jieyang Dananhai Rigid Landfill, Wosen Environmental Landfill Phase I (Unit B and C), and Xiongfeng Environment's 5,000 tonnes Anode Slime Silver Conveyor were successfully put into operation. The Hualu Special Line of Jingzhou Phase II Water Plant has fully commenced water intake operation, and the Shaoguan Dongjiang Heavy Metal Sludge Comprehensive Utilization Technology Reform Project has completed the certification, and the core competitiveness of the Group's main business has been steadily improved.

#### 3.2 Achievements and Honors

Since its establishment, Dongjiang Environmental has continuously consolidated the foundation of scientific and technological innovation, and has successively won the second prize of the National Science and Technology Progress Award, the first prize of the Science and Technology Progress Award of the Ministry of Education, the third prize of the Environmental Protection Science and Technology Award of the Ministry of Environmental Protection and other provincial and ministerial awards. As at the end of the Reporting Period, the Group has 9 innovation platforms at or above the provincial and ministerial level, including the state-level postdoctoral research station, the Key Laboratory of Guangdong Province and the Guangdong Engineering and Technology Research Centre. Among them, the Research Institute undertakes 1 national level, 2 provincial and ministerial level and 4 municipal level research platforms. In addition, the Group has 19 high-tech enterprises, such as Xiongfeng Environment, Jiangxi Dongjiang and Dongguan Hengjian. During the Year, 12 subsidiaries were awarded the title of "Technologically Advanced Enterprise" at the provincial (municipal) level.

本年度，揭阳大南海刚性填埋场、沃森环保填埋场一期（B、C单元）、雄风环保5,000吨阳极泥银转炉等重点项目顺利投产，荆州二期水厂华鲁专线全面开始进水运营，韶关东江重金属污泥综合利用技改项目完成取证，集团主业核心竞争力稳步提升。

#### 3.2 成就与荣誉

东江环保自成立以来，不断夯实科技创新基础，先后获得国家科技进步奖二等奖、教育部科学技术进步奖一等奖、环保部环境保护科学技术奖三等奖等省部级奖项。截止报告期末，本集团拥有国家博士后科研工作站、广东省重点实验室、广东省工程技术研究中心等9个省部级以上创新平台；其中，研究院承担1个国家级、2个省部级、4个市厅级研究平台。此外，旗下拥有雄风环保、江西东江、东莞恒建等19家高新技术企业，本年度共12家下属企业荣获省（市）级「专精特新企业」称号。

ABOUT OUR GROUP  
关于本集团

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During the Reporting Period, Dongjiang Environmental focused on the fields of recycling of hazardous waste and resources in the new energy industry, and persistently advanced the innovative research and development of science and technology, smart environmental protection and other fields, and won wide recognition from all walks of life. Among them, the scientific and technological achievements of "Key Technology and Application of Efficient Utilization of Circuit Board Resources and Pollution Prevention and Control in the Whole Life Cycle" jointly completed by the Group and Tsinghua University won the first prize of the 2022 China Industry-University-Research Cooperation Innovation and Promotion Award for Industry-University-Research Cooperation Innovation Achievement Award; "Key Technology R & D and Industrialization of Preparation of Feed-Grade Calcium Hydrogen Phosphate Using Sulphur-phosphorus Mixed Acid and Phosphorus Sludge" was selected into the "List of 2022 Shenzhen and Hong Kong Outstanding Innovation Eco Environmental Technologies and Achievements"; The "Intelligent Environmental Protection Operation Platform" was awarded the Outstanding Application Award for Intelligent Supervision Business Model Innovation Activities by the State-owned Assets Supervision and Administration Commission of the State Council.

报告期内，东江环保聚焦危险废物和新能源行业资源循环利用领域，持续推进科技创新研发、智能环保等项目，赢得了社会各界的广泛认可。其中，本集团与清华大学共同完成的「电路板资源高效利用和全生命周期污染防治关键技术及应用」科技成果荣获2022年中国产学研合作创新与促进奖产学研合作创新成果奖一等奖；「利用硫磷混酸与磷泥制备饲料级磷酸氢钙的关键技术研发及其产业化」入选「深港2022年生态环境创新技术成果推荐名录」；「智慧环保运营平台」荣获国务院国资委智能监管业务模型创新活动杰出应用奖。



HONORS AND AWARDS 荣誉及奖项	ISSUED BY 颁发机构
Member of Standing Committee of the China Association of Circular Economy 中国循环经济协会常务理事单位	China Association of Circular Economy 中国循环经济协会
2022 Chinese Industry-University-Research Cooperation Innovation Award – First Prize of "Industry-University-Research Cooperation Innovation Achievement Award"	China Industry-University-Research Institute Collaboration Association
2022年中国产学研合作创新与促进奖—「产学研合作创新成果奖」一等奖	中国产学研合作促进会
Backbone Enterprise of Guangdong Province Environmental Protection Industry during the "13th Five-Year Plan" 「十三五」广东省环保产业骨干企业	Guangdong Association of Environmental Protection Industry 广东省环境保护产业协会
2022 Outstanding Contribution Unit of the Member Representative Congress and High Quality Development Conference of Guangdong Environmental Protection Industry	Guangdong Association of Environmental Protection Industry
2022年度会员代表大会暨广东环保产业高质量发展大会突出贡献单位	广东省环境保护产业协会
Guangdong Industrial System Staff Library 广东省工业系统职工书屋	Guangdong Industrial Trade Union Committee 广东省工业工会委员会
Shenzhen Top Brand 2023-2025 深圳知名品牌2023年—2025年	Shenzhen Top Brand Evaluation Committee 深圳知名品牌评价委员会

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## ABOUT OUR GROUP

## 关于本集团



2023 Shenzhen Ecological Environment Advanced Collective 2023年度深圳市生态环境先进集体	Shenzhen Environmental Protection Industrial Association 深圳市环境保护产业协会
2023 Shenzhen City Appearance and Environmental Industry Innovation Award (Urban Sanitation Category) 2023深圳市市容环境产业创新奖(城市环卫类)	The Organising Committee of Shenzhen International Urban Environment and Landscape Industrial Exhibition 深圳(国际)城市环境与景观产业展览会组委会
Work Safety Standardization Certificate 安全生产标准化证书	Shenzhen Shi Nanshan Qu Work Safety Association 深圳市南山区安全生产协会
Vice President Unit of the Seventh Council of Shenzhen Environmental Science Society 深圳市环境科学学会第七届理事会副会长单位	Shenzhen Environmental Science Society 深圳市环境科学学会
Vice President Unit of Shenzhen Battery Industry Association 深圳市电池行业协会副会长单位	Shenzhen Battery Industry Association 深圳市电池行业协会
Member Certificate of Shenzhen Environmental Protection Industrial Association 深圳市环境保护产业协会会员证书	Shenzhen Environmental Protection Industrial Association 深圳市环境保护产业协会
Internship Base of Shenzhen University 深圳大学实习基地	Shenzhen University 深圳大学
Second Prize of the Second Enterprise Staff Democratic Management Micro-video Competition in Nanshan District, Shenzhen 深圳市南山区第二届企业职工民主管理微视频大赛二等奖	Shenzhen Nanshan District Federation of Trade Unions 深圳市南山区总工会
Third Prize of the Third Shenzhen Enterprise Democratic Management Micro-video Competition 深圳市第三届企业民主管理微视频大赛三等奖	Shenzhen Federation of Trade Unions 深圳市总工会
Shenzhen Nanshan District Woman Civilisation Post 深圳市南山区巾帼文明岗	Shenzhen Nanshan District Women's Federation 深圳市南山区妇女联合会

### 3.3 Promoting Technological Innovation

Dongjiang Environmental is committed to innovation and upgrading technology development, co-ordinating the use of the Group's resources to promote the iterative updating of technology, accelerating the transformation of scientific research achievements, and creating technical barriers, so as to enhance the Company's core competitiveness. The Group has now formed a relatively complete R&D management system, including the introduction and training of innovative talents, the management of innovative R&D organisations, the institutionalised management of technological innovation, and information management. The Group has carried out technical cooperation projects with research institutions such as Tsinghua University and the Research Centre for Eco-Environment of the Chinese Academy of Sciences, closely following the national policies and development trends of the environmental protection industry, and promotes the research and development of originality technologies, so as to gain a force for the transformation and upgrading of the Company.

During the Year, the Group reached new cooperation intentions with three universities, namely Fudan University, Shenzhen University and Jiangxi University of Science and Technology, and carried out exchanges and cooperation in the fields of high-level talent training, scientific research and innovation, and technical research and development. The Group currently maintains 690 registered patents, with 98 new authorized patents in 2023, including 19 patents for invention and 79 patents for utility model. A total of 690 authorized patents have been obtained, including 125 invention patents (including 1 PCT US invention patent), 563 patents for utility and 2 patents for design.

### 3.3 推动技术创新

东江环保致力于创新升级技术发展，统筹运用集团资源促进技术迭代更新，加速科研成果转化，打造技术壁垒，从而增强公司核心竞争力。本集团现已形成创新人才引进与培养、创新研发组织管理、技术创新制度化管理、信息化管理等较为完善的研发管理体系，与清华大学、中科院生态环境研究中心等研究机构开展技术合作项目，紧贴国家政策和环保行业发展趋势，推进原创性技术攻关，为公司转型升级增添动力。

本年度，本集团与复旦大学、深圳大学、江西理工大学三所高校新达成合作意向，在高等人才培养、科研创新、技术研发等领域展开交流合作。本集团目前保持注册专利690项，2023年新增授权专利98项，其中发明专利19项，实用新型专利79项。累计已获得授权专利690项，其中发明专利125项（含PCT美国发明专利1项），实用新型563项，外观设计2项。



#### Examples of Invention Patents During the Year: A Treatment Method of Leachate in Hazardous Waste Landfill

##### 本年度发明专利举例：一种危险废物填埋场渗滤液的处理方法

Dongjiang Environmental has developed and applied for the "A Treatment Method of Leachate in Hazardous Waste Landfill", which for the first time in the international level solved the problem of strong corrosion of the titanium evaporator by bromide in the leachate in hazardous waste landfill, and increased the recovery rate of total salt in the leachate to more than 95%, providing a technical route with simple process, mild conditions and environmentally friendly for the treatment of hazardous waste liquid with high salt, especially the waste liquid with high bromine content.

东江环保研发申报《一种危险废物填埋场渗滤液的处理方法》，在国际上首次解决了危废填埋场渗滤液中溴化物对钛材蒸发器强腐蚀的问题，将渗滤液中总盐的回收率提升至95%以上，为高盐危险废物尤其是溴含量高的废液处理提供了一条工艺简单、条件温和、环境友好的技术路线。



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## ABOUT OUR GROUP

## 关于本集团

R & D Establishment  
研发建设

State-level postdoctoral research station 国家级博士后科研工作站	1 1个
Provincial-ministerial level innovative technology platforms 省市级创新技术平台	9 9个
Municipal-department level innovation platform 市厅级创新平台	10 10个
Headquarters research institute 总部研究院	1 1个
Base laboratories 基地实验室	13 13个
CNAS accredited laboratory CNAS认可实验室	1 1个
CMA accredited laboratory CMA资质认定实验室	4 4个

Science and Technology Awards and Recognitions  
科技奖项肯定

Science and technology awards received 获得科技奖项	12 12个
Second prize of National Science and Technology Progress 国家级科技进步二等奖	1 1个
Provincial-ministerial level awards 省部级奖项	4 4个
Department-municipal level awards 厅市级奖项	2 2个

## ADHERING TO THE GUIDANCE OF PARTY BUILDING

## 坚持党建引领

## 4

The Party Committee of Dongjiang Environmental adhered to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, comprehensively studied and implemented the spirit of the 20th National Congress of the Communist Party of China, thoroughly implemented the general requirements of the Party building in the new era, adhered to the working philosophy of "Focus on Party building and promote development", actively promoted the construction of modern enterprises with Chinese characteristics, strengthened the leadership of the Party in improving corporate governance, focused on giving full play to the role of the Party organisation in "controlling the direction, managing the overall situation and ensuring the implementation", deeply promoted the deep integration of Party building and operation, and formed the unique "Three Types Dongjiang" Party building brand, which provided strong support and important guarantee for practising Xi Jinping's Thought on Ecological Civilization and leading the high-quality development of the enterprise.

During the Year, Dongjiang Environmental focused on in-depth study and implementation of the theme education of Xi Jinping's Thought on Socialism with Chinese Characteristics for a New Era, innovatively implemented the "Four Truths" action, gave full play to the leading role of the main position of Party building such as "First Issue", "Three Meetings and One Class" and "Themed Party Day Activity", and continued to deepen theoretical empowerment. The Group carried out in-depth "Large-scale Research" activities, deeply explored the main business of environmental protection to improve quality and efficiency, and strived to form a good situation of "strong Party building and strong development". We solidly carried out the special action of "Warmth • Heart Bridge", continued to promote "I do practical things for the people", and integrated it into daily work. The Group boasts serious discipline, and continuously strengthens the control and supervision over the operation of its power, so as to escort the high-quality development of the enterprise.

东江环保党委坚持以习近平新时代中国特色社会主义思想为指导，全面学习贯彻党的二十大精神，深入贯彻落实新时代党的建设总要求，坚持「围绕发展抓党建、抓好党建促发展」的工作理念，积极推进中国特色现代企业建设，在完善公司治理中加强党的领导，著力发挥党组织「把方向、管大局、保落实」作用，深入推进党建工作和经营工作深度融合，形成了独具特色的「三色东江」党建品牌，为践行习近平生态文明思想，引领企业高质量发展提供了有力支撑和重要保障。

本年度，东江环保聚焦深入学习贯彻习近平新时代中国特色社会主义思想主题教育，创新实施「四真」行动，发挥「第一议题」「三会一课」「主题党日」等党建主阵地的带动作用，持续深化理论武装。本集团深入开展「大调研」活动，深耕环保主业提质增效，努力形成「党建强、发展强」的良好态势。我们扎实开展「暖•心桥」专项行动，持续推进「我为群众办实事」走深走实，将群众办实事融在日常、抓在经常。严肃作风纪律，不断强化对权力运行的制约和监督，为企业高质量发展保驾护航。



# 4 | ADHERING TO THE GUIDANCE OF PARTY BUILDING

## 坚持党建引领



The Reading, Sharing and Exchange Meeting of the Education Campaign of Dongjiang Environmental's Party Committee Leading Team  
东江环保党委领导班子主题教育读书分享交流会



Members of Dongjiang Environmental's Leadership Team Gave Special Party Lectures on Education Campaign at the Grassroots Level  
东江环保领导班子成员深入基层讲主题教育专题党课



Red Education Campaign and Training Activity of "Pursuing, Revisiting, and Setting Out Again"  
《追寻重走再出发》红色主题教育培训活动



The Learning (Enlarged) Meeting of the Theoretical Learning Center Group of the Party Committee  
党委理论学习中心组学习(扩大)会议

GREEN AND SUSTAINABLE DEVELOPMENT

绿色可持续发展

5

Dongjiang Environmental has taken up “Developing Ecological Civilization to Build a Better China” as its mission and “Becoming the Pioneer in Comprehensive Environmental Services in China” as corporate vision, fully practiced the concept of ecological civilization. We provide customers with high-quality comprehensive services, and continuously explore new paths for green development of enterprises through technological innovation to promote industrial upgrading.

5.1 Board Statement

The Group attaches great importance to green and sustainable development of enterprises, and has established a sound ESG governance structure. As the highest management organisation of the Group’s sustainable affairs, the Board assumes full responsibility for ESG matters, including approving ESG strategy, directions and objectives, prioritising material issues, and monitoring the implementation progress and performance of the ESG objectives. The Group has established an ESG working group, which is responsible for assisting the Board in formulating ESG strategy, promoting the actual implementation of ESG affairs, integrating ESG concepts into the Group’s daily business operations, and striving to continuously improve the Group’s ESG governance. This Year, we have reviewed the progress of environmental-related objectives in order to continuously improve our sustainability efforts.

5.2 ESG Governance Structure

The Group regards sustainable development as a crucial part of its management. To this end, we have established an ESG working group, led by executive directors and comprised of vice presidents and person in charge of each major departments. The Board assumes full responsibility for ESG strategy and reporting, and is responsible for managing, coordinating, evaluating and determining whether the existing ESG risk management and internal control systems are appropriate, and striving to comprehensively ensure the optimization and smooth implementation of ESG measures.

以「践行生态文明·服务美丽中国」为己任，以「勇当中国综合服务先行示范者」为愿景，东江环保深入贯彻落实生态文明思想，为客户提供高质量综合型服务，并不断通过技术创新，积极探索企业绿色发展新路径，助力产业升级。

5.1 董事会声明

本集团高度重视企业绿色可持续发展，建立健全ESG管治架构，由董事会作为本集团可持续事务的最高管理组织，承担ESG事宜的全部责任，包括审批ESG策略、方向与目标，排列重要性议题优先次序，监督ESG目标的实施进度及表现等。本集团已设立ESG工作小组，负责协助董事会制定ESG策略，推动ESG事务的实际执行，将ESG理念融入集团日常业务运营，力求持续提升本集团ESG治理水平。本年度，我们已审视及检讨环境相关的目标进度，以持续完善可持续发展的工作。

5.2 ESG治理体系

本集团将可持续发展视为集团管理中至关重要的组成部分。为此，我们已经建立了一个ESG工作小组，由执行董事牵头，副总裁和各主要部门负责人组成。董事会对ESG策略和报告承担全部责任，负责管理协调、评估和确定现有ESG风险管理和内部监控系统的适宜性，力求全面保障ESG措施的优化和顺利执行。





## 5 GREEN AND SUSTAINABLE DEVELOPMENT 绿色可持续发展

In order to effectively manage ESG related risks, promote and supervise the implementation of various ESG policies by various departments, the Group actively carries out green and sustainable work and builds an ESG governance system. We have established an ESG working group, led by executive directors and composed of a vice president and person in charge of each major departments, to assist the Board in implementing ESG strategy and integrating ESG concepts into the Group's daily operations. Below is the ESG structure:

为了更有效地管理ESG相关风险，推动和监督各部门执行ESG政策，本集团积极开展绿色可持续工作，搭建ESG治理体系。我们已设立ESG工作小组，由执行董事牵头，一位副总裁及各主要部门负责人组成，协助董事会将ESG战略落地实施，把ESG理念融入本集团的日常运营工作中。以下为ESG架构：



### 5.3 Stakeholder Engagement

The Group attaches great importance to the expectations and requirements of stakeholders, constantly maintains smooth communication channels with them, and fully communicates with stakeholders such as shareholders/investors, customers, suppliers and employees through various communication methods, listens to their opinions and suggestions on the development of the Group, and updates and improves the Group's sustainable development strategy.

### 5.3 持份者参与

本集团重视持份者的期望与要求，不断畅通与持份者的沟通渠道，通过多种不同的沟通方式与股东/投资者、客户、供应商、雇员等持份者充分交流，听取其对本集团发展的意见及建议，更新完善本集团的可持续发展战略。







Major Stakeholders 主要持份者	Expectations and Requirements 期望与要求	Main Communication Channels 主要沟通途径
Shareholders/Investors 股东/投资者 	<ul style="list-style-type: none"> <li>Robust operational compliance 稳健合规运营</li> <li>Good returns on investment 良好投资回报</li> <li>Effective risk management 有效的风险管理</li> </ul>	<ul style="list-style-type: none"> <li>General meetings 股东大会</li> <li>Annual report, interim report and ESG report 年度报告、中期报告及ESG报告</li> <li>Performance briefing session 业绩说明会</li> <li>"Investor Relations" section of the Company's website 本公司网站「投资者关系」专栏</li> <li>Email and phone 电邮及电话</li> </ul>
Government/Regulatory authorities 政府/监管机构 	<ul style="list-style-type: none"> <li>Environmental compliance 环保合规</li> <li>Safe production 安全生产</li> <li>Anti-corruption/anti-bribery 反贪污/反贿赂</li> <li>Supporting community livelihood 支持社区民生</li> </ul>	<ul style="list-style-type: none"> <li>Policy consultation 政策咨询</li> <li>Major meetings 重大会议</li> <li>Site visits 现场考察</li> <li>Disclosure of information 信息披露</li> <li>Written responses to consultation 对咨询的书面回应</li> </ul>
Customers 客户 	<ul style="list-style-type: none"> <li>Quality products and services 优质产品和服务</li> <li>Scientific research and development 科研及开发</li> <li>Privacy protection 隐私保护</li> </ul>	<ul style="list-style-type: none"> <li>Website and emails of the Group 集团网页及邮箱</li> <li>Daily operation/exchange 日常营运/交流</li> <li>Opinion survey 意见调查</li> <li>Customer complaint channels 客户投诉渠道</li> </ul>



# 5 | GREEN AND SUSTAINABLE DEVELOPMENT

## 绿色可持续发展



Major Stakeholders 主要持份者	Expectations and Requirements 期望与要求	Main Communication Channels 主要沟通途径
Employees 雇员  	<ul style="list-style-type: none"> <li>Stable employment 提供稳定就业</li> <li>Reasonable welfare and benefits 合理福利待遇</li> <li>Safe working environment 安全工作环境</li> </ul>	<ul style="list-style-type: none"> <li>Channels for employees to express their opinions 雇员表达意见的渠道</li> <li>Job performance appraisal 工作绩效考核</li> <li>Employee survey 雇员调研</li> <li>Staff meeting 职工大会</li> <li>Dongjiang Xinqiao WeChat Mini Program 东江心桥微信小程序</li> </ul>
Suppliers 供应商  	<ul style="list-style-type: none"> <li>Integrity and mutual benefits 诚信互惠</li> <li>Fair procurement 公平采购</li> </ul>	<ul style="list-style-type: none"> <li>Field trips 实地考察</li> <li>Examination and evaluation 考核评价</li> <li>“Sunshine Dongjiang” procurement platform 「阳光东江」采购平台</li> </ul>
Community 社会各界  	<ul style="list-style-type: none"> <li>Promoting social harmony 促进社会和谐</li> <li>Supporting charitable activities 支持公益活动</li> <li>Advocating energy saving and emissions reduction 倡导节能减排</li> </ul>	<ul style="list-style-type: none"> <li>Organizing charitable activities 开展公益活动</li> <li>Environmental protection education 环保教育</li> <li>Opinion survey 意见调查</li> <li>Dongjiang Environmental WeChat official account 东江环保微信公众号</li> </ul>
R&D institutions 研发机构  	<ul style="list-style-type: none"> <li>Technical exchange and cooperation 技术交流与合作</li> </ul>	<ul style="list-style-type: none"> <li>Meetings 会议</li> <li>Site visits 现场考察</li> </ul>

# GREEN AND SUSTAINABLE DEVELOPMENT 绿色可持续发展

# 5

## 5.4 Materiality Assessment

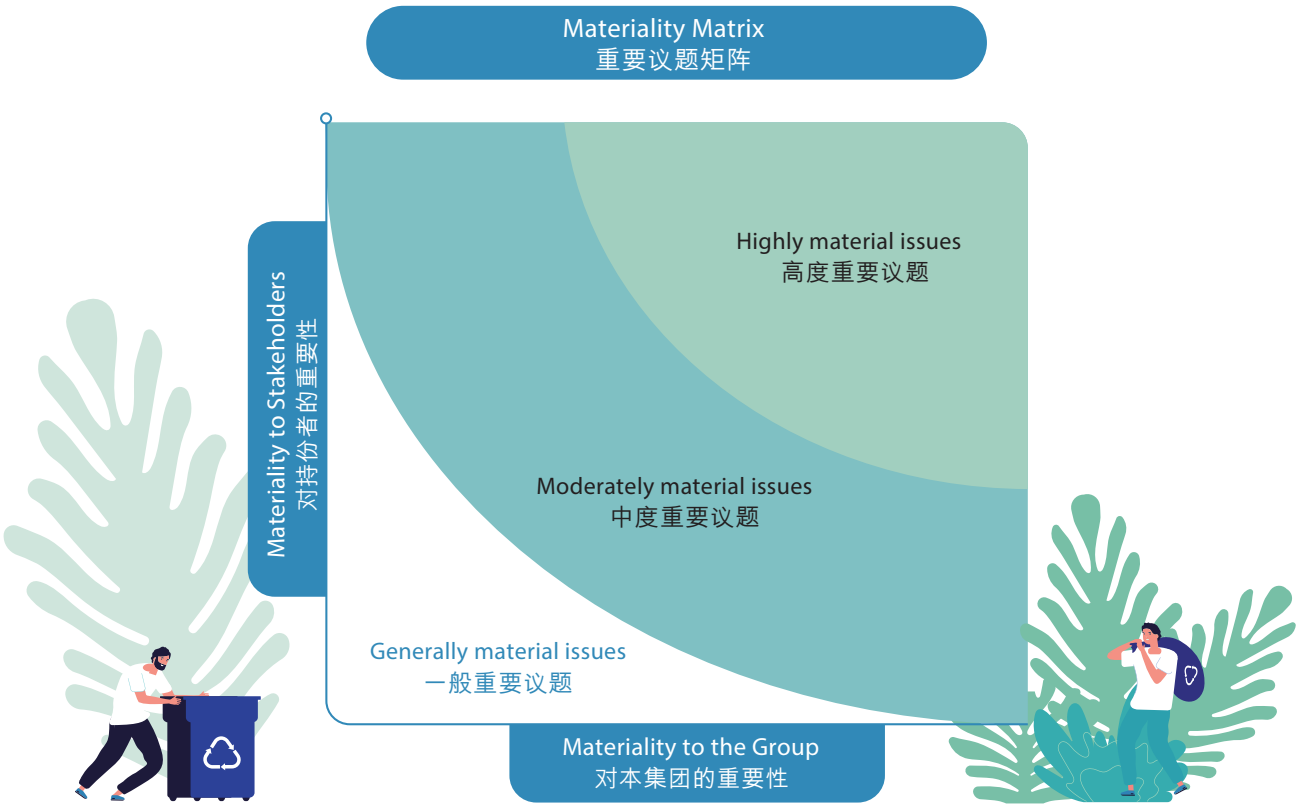
Corporate material issues are an important process for carrying out sustainable related work. We finally concluded 7 highly material issues, 12 moderately material issues and 6 generally material issues with fully reference to the Environmental, Social and Governance Reporting Guide of The Stock Exchange of Hong Kong Limited, the map of Sustainability Accounting Standards Board (SASB) and comparison with peers and based on the Group's business development goals circumstances.

During the Year, there were no significant changes in the Group's business characteristics, operating conditions and stakeholders. Therefore, the Board confirms that the materiality assessment results of the previous year still represent stakeholders' expectations and applicable to the Year, the previous materiality assessment results will survive in the Year. The Report will disclose the identified material issues to varying degrees, indicate the future direction of the Group's ESG strategic development and meet the expectations of stakeholders. The ESG materiality matrix is as follows:

## 5.4 重要性评估

企业重要性议题是开展可持续相关工作的重要过程，我们充分参考香港联合交易所《环境、社会及管治报告指引》、永续会计准则委员会（SASB）议题库及同行对标，依据本集团业务发展现况，最终归纳出7项高度重要议题、12项中度重要议题及6个一般重要议题。

本年度，本集团的业务特质、经营状况、持份者未发生重大变化。因此，董事会确认上一年度重要性评估结果仍能代表本年度持份者的期望及适用于本年度情况，继续沿用之前的重要性评估结果。本报告将对识别出的重要性议题进行不同程度的披露，指明未来本集团ESG战略发展方向，回应持份者的期望。ESG重要性议题矩阵如下：





# 5 | GREEN AND SUSTAINABLE DEVELOPMENT

## 绿色可持续发展




Materiality of ESG Issues ESG议题的重要性	ESG Material Issues ESG重要议题
Highly material 高度重要  	<ol style="list-style-type: none"> <li>1. Waste management 废弃物管理</li> <li>2. Sewage management 污水处理</li> <li>3. Exhaust emission management 废气排放管理</li> <li>4. Anti-corruption 反贪腐</li> <li>5. Compliance operation 合规运营</li> <li>6. Employee health and safety 员工健康安全</li> <li>7. Disaster and emergency plan planning 灾难及应急预案规划</li> </ol>
Moderately material 中度重要  	<ol style="list-style-type: none"> <li>8. Energy management 能源管理</li> <li>9. Greenhouse gas emissions management 温室气体排放管理</li> <li>10. Innovative technology research and development 创新技术研发</li> <li>11. Information security and privacy protection 信息安全及隐私保护</li> <li>12. Intellectual property rights protection 知识产权保护</li> <li>13. Customer service 客户服务</li> <li>14. Employee development training 员工发展培训</li> <li>15. Employment and labor standards 雇佣及劳工准则</li> <li>16. Employee benefits 员工福利待遇</li> <li>17. Community charity 社区公益慈善</li> <li>18. Environmental protection education 环保教育</li> <li>19. Supply chain management 供应链管理</li> </ol>

# GREEN AND SUSTAINABLE DEVELOPMENT 绿色可持续发展

# 5



Materiality of ESG Issues ESG议题的重要性	ESG Material Issues ESG重要议题
<p>Generally material 一般重要</p> 	<ul style="list-style-type: none"> <li>20. Resources use and recycling 资源使用及回收</li> <li>21. Water resources management 水资源管理</li> <li>22. Coping with climate change 应对气候变化</li> <li>23. Use of packaging materials 包装材料的使用</li> <li>24. Product quality and safety 产品质量及安全</li> <li>25. Equality, diversity and inclusion 平等、多元化与包容</li> </ul>

6

COMPREHENSIVE ENVIRONMENTAL BUSINESS

全面环境业务

Based on the construction of ecological civilization, the Group insists on promoting green development with scientific and technological progress, focuses on the field of environmental protection services, gradually forms a business system integrating industrial waste treatment, municipal waste treatment and environmental protection services, continues to explore value-added businesses such as environmental engineering and services, and is committed to becoming a domestically first-class enterprise rendering comprehensive environmental protection service.

本集团立足生态文明建设，坚持以科技进步推动绿色发展，专注于环保服务领域，逐步形成集工业废物处理、市政废物处理、环保服务为一体的业务体系，持续探索环境工程及服务增值性业务，致力于成为国内一流综合环保服务企业。

Four Core Businesses of the Group 集团四大核心业务



### 6.1 Intensive Engagement In Environmental Protection Services

Based on the hazardous waste treatment and disposal business, Dongjiang Environmental has formed a comprehensive environmental service field with the resource utilization and harmless treatment of industrial and municipal waste as the core, and strictly abide by the relevant laws and regulations on environmental protection including the Environmental Protection Law of the People's Republic of China, Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, the Water Pollution Prevention and Control Law of the People's Republic of China, the Water Law of the People's Republic of China, Law of the People's Republic of China on Noise Pollution Prevention and Control, Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, Law of the People's Republic of China on Appraising of Environment Impacts, the Soil Pollution Prevention and Control Law of the People's Republic of China and the Regulations on the Administration of Construction Project Environmental Protection, and strictly implement the industry standards including the Ambient Air Quality Standards (GB3095-2012), the Emission Standards for Odor Pollutants (GB14554-93), the Environmental Quality Standard for Surface Water (GB3838-2002), the Environmental Quality Standard for Noise (GB3096-2008), the Quality Standard for Ground Water (GB/T14848-2017), the Soil Environmental Quality Risk Control Standard for Soil Contamination of Development Land (Trial) (GB36600-2018), the Pollution Control Standards on Incineration of Hazardous Waste (GB18484-2020), the Integrated Emission Standard of Air Pollutants (GB16297-1996), the Standard for Fugitive Emission of Volatile Organic Compounds (GB37822-2019), and the Integrated Waste water Discharge Standard (GB8978-1996), and provide safe and high-quality environmental protection services for more than 25,000 customers across the country.

The Group adheres to the principles of reduction, harmless treatment and resource utilization to carry out the co-processing of waste recycling and harmless processes, and strictly inspecting and supervising the pollutant discharge in various ways. When conducting the environmental impact assessment of the project, the Group insist that environmental protection facilities be designed, constructed and put into use at the same time as main project to ensure that the overall project can effectively monitor and treat pollutants after it is put into formal operation. We actively promoted the construction of the Company's information platform, collected and tested the environmental data such as the discharge volume of key pollutant discharge units, and cooperated with third-party institutions to provide the final data results to the Group's business improvement and public supervision, striving to make the Group's various environmental protection businesses refined and practical.

### 6.1 深耕环保服务

东江环保立足危险废物处理处置业务，形成了以工业和市政废物资源化利用与无害化处理为核心的全面环境服务领域，严格遵守《中华人民共和国环境保护法》、《中华人民共和国大气污染防治法》、《中华人民共和国水污染防治法》、《中华人民共和国水法》、《中华人民共和国环境噪声污染防治法》、《中华人民共和国固体废物污染环境防治法》、《中华人民共和国环境影响评价法》、《中华人民共和国土壤污染防治法》、《建设项目环境保护管理条例》等环境保护相关法律法规；严格执行《环境空气质量标准》(GB3095-2012)、《恶臭污染物排放标准》(GB14554-93)、《地表水环境质量标准》(GB3838-2002)、《声环境质量标准》(GB3096-2008)、《地下水质量标准》(GB/T14848-2017)、《土壤环境质量建设用地上壤污染风险管控标准(试行)》(GB36600-2018)、《危险废物焚烧污染控制标准》(GB18484-2020)、《大气污染物综合排放标准》(GB16297-1996)、《挥发性有机物无组织排放控制标准》(GB37822-2019)、《污水综合排放标准》(GB8978-1996)等行业标准，为全国2.5万余家客户提供安全且高质的环保服务。

本集团坚持减量化、无害化、资源化原则进行废物资源化和无害化工艺协同处理，并通过多种方式严格监督检查排污情况。在对项目工程进行环境影响评价时，本集团坚持环保设施与主体工程同时设计、同时施工、同时投入使用，确保整体工程投入正式运营后能够有效监测和处理污染物。我们积极推进公司信息化平台建设，对重点排污单位的排污量等环境数据进行数据收集检测，与第三方机构合作，将最终数据结果提供给集团业务改善和公众监督，努力把集团各项环保业务做精做实。



## 6

## COMPREHENSIVE ENVIRONMENTAL BUSINESS

## 全面环境业务

During the Reporting Period, the Company did not have any material environmental pollution accidents.

In this Report, 16 subsidiaries of the Group are selected to introduce the efforts and new achievements of Dongjiang Environmental in environmental protection and resource utilization in each of the Group's four major areas of strength, namely industrial hazardous waste utilization and treatment, municipal solid waste utilization and treatment, rare and precious metal recycling, and ecological and environmental services.

- **Industrial Hazardous Waste Treatment And Resource Utilization**

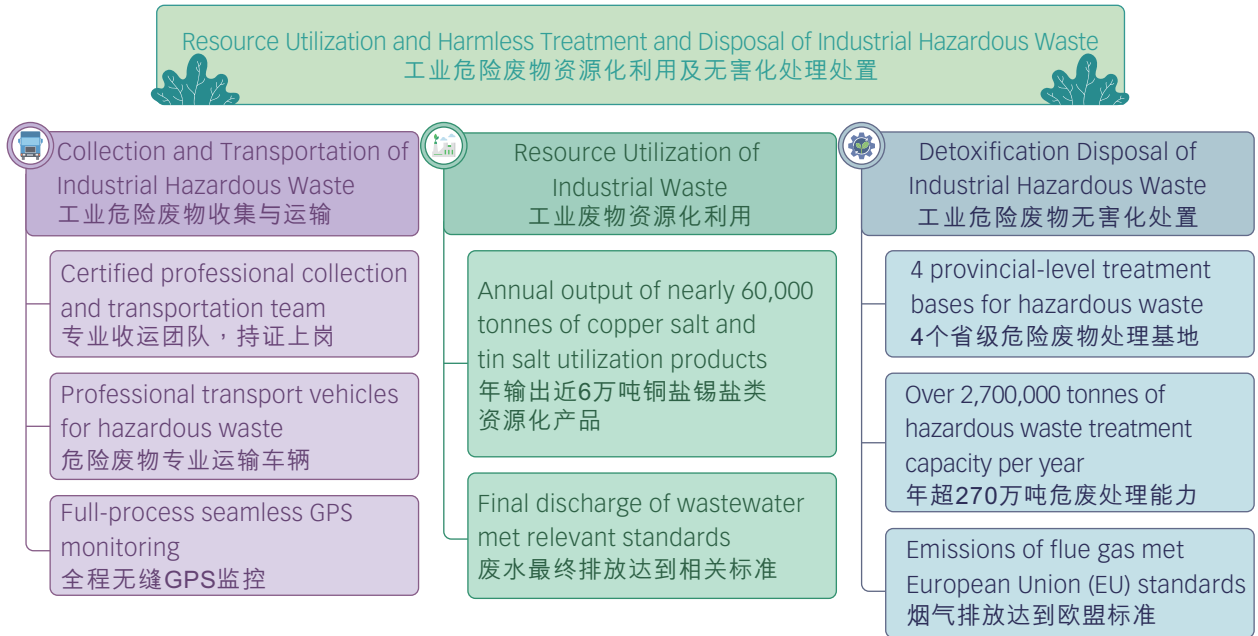
Industrial hazardous waste generally includes industrial waste such as waste acid and alkali, heavy metals and waste mineral oil generated in the process of industrial production due to material consumption, product manufacturing, waste discharge and other processes, which are toxic, corrosive and hazardous in nature or may cause harmful effects on the ecological environment and human health. Dongjiang Environmental has been focusing on waste treatment and resource utilization since its establishment. The Group strictly follows relevant laws and regulations pertaining to industrial waste treatment, including the Environmental Protection Law of the People's Republic of China, Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, Standards for Pollution Control on the Storage and Disposal Site for General Industrial Solid Wastes, the Measures for the Administration of Permit for Operation of Dangerous Wastes, Measures for the Transfer of Hazardous Wastes and Standard for Pollution Control on Hazardous Waste Incineration (GB18484-2020). Over the years, Dongjiang Environmental has accumulated rich industry experience and possesses the qualifications for treating 44 categories of hazardous waste. We are committed to promoting the "United Nations ("UN") Sustainable Development Goal 12 - Responsible Consumption and Production", hope to significantly reduce waste generation through measures such as prevention, emission reduction, recycling and reuse, in order to achieve the vision of sustainable management and efficient use of natural resources by 2030.

报告期内，本集团未发生重大环境污染事故。

本报告选取本集团16家子公司，分别从集团四大优势领域，即工业危废利用与处理、市政固废利用与处理、稀贵金属回收、生态环境服务，介绍东江环保在环境保护与资源化利用方面的努力与新成果。

- **工业危废处理及资源化利用**

工业危废一般包括在工业生产过程中由于材料消耗、产品制造、废料排放等流程中产生的废酸废碱、重金属、废矿物油等具有毒性、腐蚀性等危险特性或可能对生态环境及人体健康造成有害影响的工业废品。东江环保自成立之初便专注于废物处理及资源化利用，本集团严格遵守《中华人民共和国环境保护法》、《中华人民共和国固体废物污染环境防治法》、《一般工业固体废物贮存、处置场污染控制标准》、《危险废物经营许可证管理办法》、《危险废物转移管理法》及《危险废物焚烧污染控制标准》(GB18484-2020)等工业废弃物处理的相关法规，多年来积累了丰富的行业经验，拥有44类危险废物处理资质。我们致力推动实现「联合国可持续发展目标12—采用可持续的消费和生产模式」，期望可以通过预防、减排、回收和再利用来大幅减少废物的产生，到2030年实现自然资源的可持续管理和高效利用的愿景。



Through various methods such as physical and chemical treatment, biological treatment, incineration heat treatment, and secure landfill, the Group classifies and treats hazardous waste according to the characteristics of the process, extracts and converts the useful components in the waste as much as possible, which not only reduces the amount of waste discharged during the treatment process, but also “turns waste into treasure” through technological innovation, so as to reduce, render hazardous waste harmless and convert it into resources. In addition, the Group also implements high-standard supervision for the collection and transportation of hazardous waste, such as installing GPS systems for professional transportation vehicles and seamlessly positioning and monitoring throughout the process.

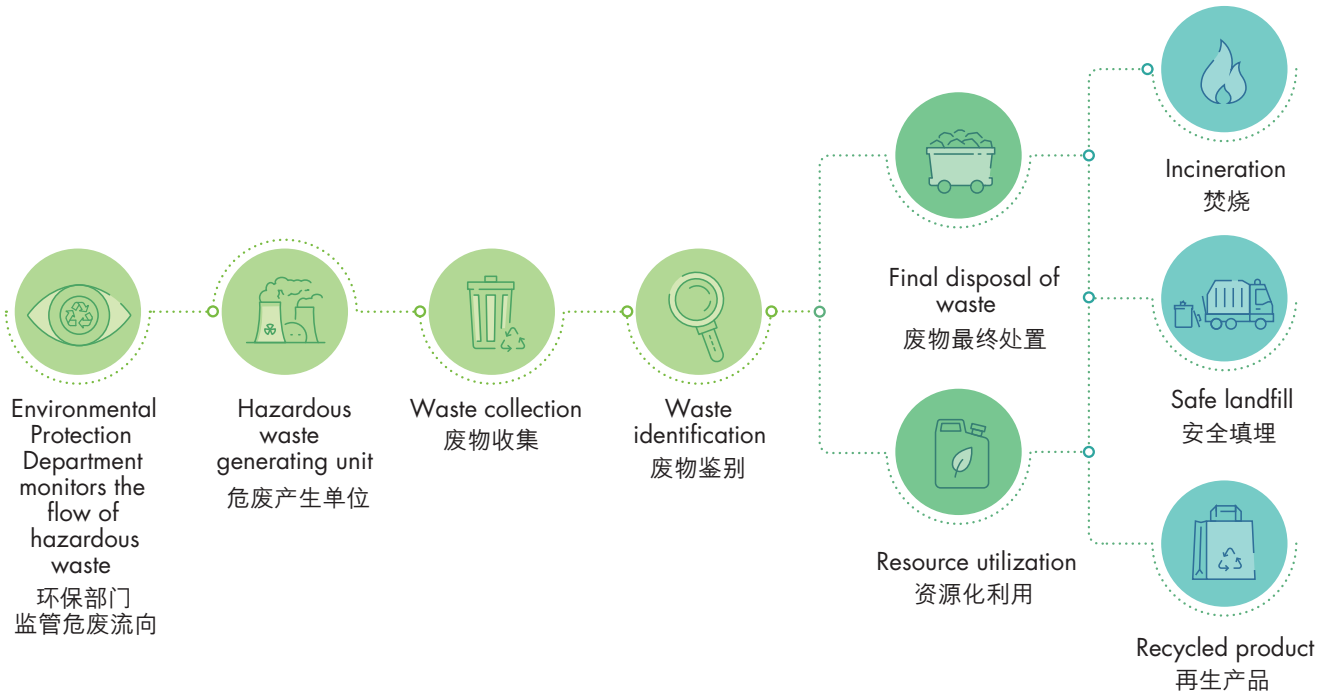
本集团通过物理化学处理、生物处理、焚烧热处理、安全填埋等多种手段，对危险废物按流程特点进行分级分类处理，尽可能提取、转化废品中的可利用成分，不仅降低处理过程中的排污量，还通过技术创新将废弃物「变废为宝」，实现危废减量化、无害化、资源化处理。此外，集团还对危废的收集、运输进行高规格监管标准，如对专业运输车辆安装GPS系统，全程无缝进行定位监控等。

6

COMPREHENSIVE ENVIRONMENTAL BUSINESS

全面环境业务

Business Model of Industrial Hazardous Waste 工业危险废物的业务模式



• Municipal Solid Waste Treatment

The Group’s municipal waste treatment business mainly includes municipal waste landfill, municipal sewage treatment, landfill odour control, leachate treatment, kitchen waste treatment. The Group also uses domestic waste landfill gas for power generation, actively develops the scale of qualifications in the field of domestic waste recycling and resource utilization, continuously develops the value of municipal waste through technological innovation, making contribution to fulfilling “UN Sustainable Development Goal 7–Affordable and Clean Energy”.

During the Reporting Period, Dongjiang Environmental has a total of 4 landfill gas power generation projects, including Xiaping Landfill Gas Power Generation Project, Shenzhen Laohukeng Landfill Gas Power Generation Project, Hefei Longquanshan Domestic Waste Landfill Gas Power Generation Project and Nanchang Maiyuan Waste Treatment Plant Landfill Gas Power Generation Project. The four landfill gas power plants have a total installed capacity of 21MW and an annual power generation capacity of approximately 70 million kWh.

• 市政固废处理

本集团市政废物处理业务主要包括市政垃圾填埋、市政污水处理、填埋场臭气控制、渗滤液处理，以及餐厨垃圾处理等领域，并且利用生活垃圾填埋气进行发电，积极开拓生活垃圾回收处理及资源化利用领域的资质规模，不断通过技术创新开发市政废物价值，协助实现「联合国可持续发展目标7—经济适用的清洁能源」。

报告期内，东江环保共有4个填埋气发电项目，包括下坪垃圾填埋场气发电项目、深圳老虎坑垃圾填埋气发电项目、合肥市龙泉山生活垃圾填埋气发电工程项目、南昌麦园垃圾处理厂填埋气发电项目。四个填埋气电厂的总装机容量达21MW，年发电量约7,000万度。

- **Rare Precious Metal**

Since the acquisition of Xiongfeng Environment in 2021, Dongjiang Environmental has completed the deployment in the field of recycling and utilization of waste resources such as waste residues of non-ferrous metals. At present, a mature production process has been formed, which can process more than 120,000 tonnes of "Three Wastes" materials per year, and comprehensively recycle nearly 20,000 tonnes of various rare and precious metals such as bismuth. The refined bismuth produced accounts for more than 6% of the domestic market, and the product popularity and reputation rank top among similar domestic products.

- **Environmental Protection Engineering and Services**

Dongjiang Environmental is committed to providing customers with one-stop environmental protection engineering and services, and using the industry experience and technical advantages accumulated over the years to meet the needs of customers for value-added business. In response to the different periods of customers' projects, we provide technical consultation, design, construction, operation management, environmental impact assessment, environmental monitoring and other services throughout the life cycle of environmental protection facilities engineering, and purchase and sell auxiliary chemical raw materials required by the Group and its major industrial customers. At the same time, the Group continuously improves the level of industrial wastewater treatment, refines process design, supervision and management, technical application and other processes, ensures the high efficiency and high quality of each project, and promotes the realisation of "UN Sustainable Development Goal 6 - Clean Water and Sanitation".

- **稀贵金属**

东江环保自2021年收购雄风环保以来，完成了对含有色金属废料废渣等废弃资源回收利用领域的布局，目前已形成成熟的生产工艺，年可处理「三废」物料12万吨以上，综合回收铋等各种稀贵金属近2万多吨，所产精铋占国内市场6%以上的份额，产品知名度、美誉度居国内同类产品前列。

- **环保工程及服务**

东江环保致力于为客户提供一站式的环保工程及服务，运用多年积累起的行业经验和技術优势，满足客户增值性业务的需求。针对客户项目所处的不同时期，我们提供环境保护设施工程全生命周期的技术咨询、设计、建设、运营管理、环境影响评价及环境监测等服务，并购销本集团及其主要工业客户所需的辅助化工原料。同时，本集团不断提升工业废水处理水平，精细化打磨工艺设计、监督管理、技术运用等流程，保证每个工程项目的高效率、高质量，推动「联合国可持续发展目标6—清洁饮水和卫生设施」的实现。



# 6

## COMPREHENSIVE ENVIRONMENTAL BUSINESS

### 全面环境业务

Industry Chain of One-stop Environmental Protection Services 一站式环保服务产业链

<p>Planning stage 规划期</p> <p>Environmental management consultation 环境管理咨询</p> <p>Environmental feasibility study 环境可行性研究</p> <p>Environmental planning 环境规划</p> <p>Classified management and technical guidance on wastewater 废水分类管理与技术指导</p>		
<p>Construction stage 建设期</p> <p>Design of environmental protection facilities 环境保护设施的设计</p> <p>Environmental engineering construction 环境工程建设</p> <p>Environmental engineering contracting 环境工程总包</p>		
<p>Operation stage 运营期</p> <p>Operational services of environmental protection facilities 环保设施的运营服务</p> <p>Waste classification, collection and delivery and treatment 废物分类、收运、处理</p> <p>Packaging management standards and technical guidance 包装管理规范和技术指导</p> <p>Environment and product inspection 环境及产品检测</p> <p>Provision of chemical raw materials 提供化工原料</p>		
<p>Expansion stage 扩建期</p> <p>Design of environmental treatment facilities 环境治理设施设计</p> <p>General contracting of construction 施工总承包</p>		

COMPREHENSIVE ENVIRONMENTAL BUSINESS  
全面环境业务



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6.2 Fulfilling Environmental Protection Operation

As a leading environmental protection service enterprise in the industry, Dongjiang Environmental actively undertakes the responsibility of industrial upgrading, responds to the national industrial orientation of "carbon peak and carbon neutrality" and "high-quality development", and focuses on promoting the collaborative treatment of waste recycling and harmless processes. We have formulated the following targets:

6.2 践行环保运营

作为一家行业领先的环保服务企业，东江环保积极承担企业产业升级责任，响应国家「双碳」与「高质量发展」的产业导向，重点推进废物资源化和无害化工艺协同处理，我们制定了以下目标：

Target 目标	
Emission of greenhouse gases 温室气体排放  	By active implementation of the energy saving measures of the Group, the intensity of greenhouse gas emissions will be maintained or gradually reduced in the future at similar levels of operations. 积极落实执行集团的节约能源措施，未来在运营水平持平的情况下维持或逐步减少温室气体排放的强度。
Energy efficiency 能源使用效益  	By active implementation of the energy saving measures of the Group, the intensity of electricity consumption will be maintained or gradually reduced in the future at similar levels of operations. 积极落实执行集团的节约能源措施，未来在运营水平持平的情况下维持或逐步减少耗电强度。
Water efficiency 用水效益  	By active implementation of the energy saving measures of the Group, the intensity of water consumption will be maintained or gradually reduced in the future at similar levels of operations. 积极落实执行集团的节约能源措施，未来在运营水平持平的情况下维持或逐步减少耗水强度。
Waste reduction 减少废弃物  	By active implementation of the energy saving measures of the Group, the intensity of waste generation will be maintained or gradually reduced in the future at similar levels of operations. 积极落实执行集团的节约能源措施，未来在运营水平持平的情况下维持或逐步减少废弃物产生的强度。

During the Year, we have reviewed the progress of the implementation of the objectives and environmental measures, and confirmed that the environmental objectives of the previous year will also be equally applicable and continue to make plans for environmental protection in the coming year. Compared with last year, the intensity of greenhouse gas emissions, the intensity of electricity consumption and the intensity of non-hazardous waste generation this Year are similar to last year's, while the intensity of water consumption are lower than last year, and the intensity of hazardous waste generation is higher than last year. We will continue to strive to adopt various environmental protection, energy conservation and emission reduction measures to practise environmental protection.

本年度，我们已回顾审查目标及环保措施的执行进度，确认上一年度环境目标同样使用于来年规划环保工作。与去年比较，本年度的温室气体排放强度、耗电强度及无害废弃物产生强度与去年相若，耗水强度较去年减少，有害废弃物产生的强度则较去年增加，我们会继续努力采取各种环保节能减排措施，践行环保。



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## COMPREHENSIVE ENVIRONMENTAL BUSINESS

### 全面环境业务

#### • Pollution Prevention and Management

In addition to providing customers with comprehensive environmental protection engineering services, we also attach great importance to the prevention and control of pollutants in our own operations, and have formulated and implemented a series of regulations to continuously reduce the impact of the Group's business on the environment.

#### • 污染防治及管理

除了为客户提供全面的环保工程服务外，我们也十分注重自身运营过程中的污染防治与控制，制定并实施了一系列规定，不断降低集团业务对环境的影响风险。



#### Industrial Waste Treatment 工业废弃物处理

Exhaust gas treatment  
废气处理



- Equip physicochemical treatment workshops with exhaust gas purification systems, so the purified exhaust gas can be emitted after meeting the standards  
物化处理车间设有废气净化系统，净化后的废气达标排放
- Set up exhaust gas treatment systems at the incineration workshops, so the treated exhaust gas can be emitted after meeting the standards  
焚烧车间设有尾气处理系统，处理后的尾气达标排放

Wastewater treatment  
废水处理



- Build a wastewater treatment system that adapts to changes of water quality and quantity  
建立能适应水质水量变化的废水处理系统
- Follow the principle of treating waste by using waste  
遵循以废治废的原则
- Reuse part of treated wastewater that meets the standards and discharge the rest  
废水处理达标后部分回用，其余外排
- Install devices to monitor water in and out online and the water is regularly analyzed and monitored by laboratories  
进水和出水都安装有在线监测仪器并有化验室进行定期分析监测

Solid waste treatment  
固体废物处理



- Production workshops recycle sludge with high metal content that is generated from pre-treatment of raw materials through pressure filtration and impurity removing process of mother liquor  
原料预处理压滤、母液除杂压滤产生的含金属污泥中金属含量较高，由生产车间回收利用
- Transport of residue from sewage treatment to a safe landfill site  
废水处理产生的废渣送至安全填埋场
- Treat hazardous waste by incineration or landfill, which depends on the characteristics of the hazardous waste  
处理有害废弃物时，根据危险废物特性，进行焚烧处置或填埋处置
- Use of the generated dehydrated sludge as a type of resource utilization by a third-party unit to produce brick  
产生的脱水污泥交由第三方单位处置，对其进行资源化利用制砖

Noise control  
噪声控制



- Select low-noise equipment  
选用低噪声设备
- Install hosepipes, mufflers, and noise enclosures  
装设软管、消声器、隔声罩
- Install sound-absorbing materials in indoor walls  
室内墙壁安装吸声材料





Municipal Waste Treatment  
市政废弃物处理

<p>Dust treatment 粉尘处理</p> 	<ul style="list-style-type: none"> <li>Spray water at landfill sites, soil extraction sites, access routes and roads within the operating area on a regular basis 在垃圾填埋作业区、土源采掘区、进场公路和场区道路等区域定期洒水</li> </ul>
<p>Exhaust gas treatment 废气处理</p> 	<ul style="list-style-type: none"> <li>Utilize treated landfill gas as a source of biomass energy to generate electricity which will be supplied to local residents after connection to the grid 将填埋气处理后作为生物质能源发电，并网后供应当地居民生产生活用电</li> </ul>
<p>Leachate treatment 渗滤液处理</p> 	<ul style="list-style-type: none"> <li>Separate discharge systems for clean water and leachate at the site 场区清水和渗滤液各自形成独立排放系统</li> <li>After adjustment of water quality and quantity treatment at the equalization basin, the collected leachate will be treated up to standard at the leachate treatment stations and discharged through pipes 渗滤液收集进入调节池进行水质水量调节后，再经渗滤液处理站处理达标后由管道外排</li> <li>Adopt horizontal impermeable liner made of HDPE at the bottom of the landfill site to prevent leakage 采用水平防渗法，在填埋场底铺设HDPE防渗膜作为防渗层</li> </ul>
<p>Greening 绿化</p> 	<ul style="list-style-type: none"> <li>Upon completion of construction, undertake greening works to both sides of access roads, soil extraction sites, vacant sites, leachate treatment stations and office buildings 施工结束后对进场道路两侧、土源取土后的场地、场区空地、渗滤液处理站及办公楼等处进行绿化</li> <li>The plants for greening are mainly those that can absorb or resist irritant gases such as hydrogen sulfide and ammonia 绿化植物以对硫化氢、氨等刺激性气体具有吸收或抗性作用的植物为主</li> <li>Perform timely greening and restoration works on the surface of landfill and the surface after closure 填埋场最终覆土面及封场后的表面及时进行绿化和复垦</li> </ul>
<p>Noise control 噪声控制</p> 	<ul style="list-style-type: none"> <li>Select low-noise equipment 选用低噪声设备</li> <li>Adopt noise insulation and absorption measures for the pumping devices at the equalization basin 对调节池的泵类设备采取隔音和消音等措施</li> </ul>



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## COMPREHENSIVE ENVIRONMENTAL BUSINESS

## 全面环境业务

Case of R&D in pollution prevention and control during the Year :

Breakthroughs in waste oil recycling process

本年度污染防治研发案例：废油资源化工艺取得突破



Zhuhai Yongxingsheng, a subsidiary of Dongjiang Environmental, innovatively recycled waste oil with high calorific value as incinerator fuel oil through technological transformation. For the first time, it realized the resource utilization of waste oil in hazardous waste. For 6 months of operation, the resource utilization of waste oil was 125.74 tonnes, and the fuel consumption per unit decreased by 72.78% compared with 2022 (20.9 kg/tonne decreased to 5.69 kg/tonne), directly saving fuel costs of approximately CNY1,000,000, indirectly saving waste treatment costs of CNY250,000, and achieving remarkable results in cost reduction and efficiency improvement.

东江环保旗下子公司珠海市永兴盛通过工艺技改创新回收高热值废油作为焚烧炉燃料油，首次实现危险废物中的废油资源化利用，运行6个月，资源化利用废油125.74吨，油单耗较2022年下降72.78%（20.9千克/吨降低至5.69千克/吨），直接节省燃料成本约人民币100万元，间接节省废物处理成本人民币25万元，降本增效成果显著。

- **Energy Conservation and Emission Reduction**

Dongjiang Environmental practices green production through action, strictly controls the energy consumption of all stages of daily production within the Group, and monitors energy usage data and recycling and reuse through the upgrading and renovating of equipment and facilities at each node in the use of water and electricity to avoid waste to the greatest extent.

- **节能减排**

东江环保用行动践行绿色生产，严格把控集团日常生产各环节的能源用度，通过对水能、电能使用各节点装置设施的升级改造，监测能源使用数据并循环回收利用，最大程度避免浪费。

Energy Saving  
节能

- Replace multi-level centrifugal blowers with air suspension blowers to reduce electricity consumption  
以空气悬浮鼓风机取代多级离心鼓风机，减少用电能耗
- Replace with new aeration tubes to strengthen process control, improve the oxygen transfer rate, save energy and reduce consumption  
更换新的曝气管，加强工艺过程控制，提高氧转移速率、节能降耗
- Replace oil-fired boilers with oil and gas dual purpose boilers, so that natural gas can be used in production processes for reducing carbon emissions  
以油气两用锅炉取代燃油锅炉，令生产过程可利用天然气减少碳排放
- Replace high-energy lamps with energy-saving LED lighting  
以节能型LED照明取代高耗能灯具
- Flue waste heat recovery  
烟道余热循环再用
- Introduce variable frequency power equipment  
引进变频动力装置
- Monitor plant power consumption daily  
每日监察厂房用电量
- Implement departmental energy conservation incentive programs to encourage competition among departments for energy efficiency performance  
实行部门节能奖励计划，鼓励部门间在节能表现上竞争

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## COMPREHENSIVE ENVIRONMENTAL BUSINESS

## 全面环境业务

## Water Saving

## 节水

- Use recycled wash water  
循环使用物料洗涤水
- Replace the inclined plate sedimentation tank with MBR membrane to improve wastewater treatment capacity  
用MBR膜替代斜板沉淀池，提高废水处理能力
- Condensate water for recycling and reuse  
冷凝水循环再用
- Improve physical and chemical wastewater treatment programs  
提升物理性及化学性污水处理程序
- Monitor plant water consumption daily  
每日监察厂房用水量
- Reuse wastewater with high ammonia nitrogen and distilled water  
高氨氮废水蒸馏水回用
- Wash factory equipment with reused water  
使用回用水清洗厂内设备

## Case of energy-efficient green production during the Year: Using more energy-efficient machines to save energy

## 本年度绿色生产节能案例：使用能源效益较高的机器



Shaoguan Dongjiang, a subsidiary of Dongjiang Environmental, focuses on upgrading the solid workshop waste gas collection and treatment system, the incineration workshop waste gas treatment system and the incineration secondary burn chamber, saving 54.33 tonnes of diesel per year, 65.99 tonnes of standard coal equivalent in energy consumption per year, 0.22 tonnes of odour emissions per year, 0.17 tonnes of sulphur dioxide emissions per year, 0.56 tonnes of smoke and dust emissions per year, and 198 tonnes of general solid waste emissions per year, achieving certain energy saving and environmental benefits.

东江环保旗下子公司韶关东江重点对稳固化车间废气收集处理系统、焚烧车间废气处理系统、焚烧二燃室进行升级改造，节约柴油54.33吨/年，节约能耗65.99吨标准煤当量/年，减少恶臭排放0.22吨/年，减少二氧化硫排放0.17吨/年，减少烟尘排放0.56吨/年，减少一般固废排放198吨/年，取得了一定的节能和环境效益。

Case of energy-efficient green production during the Year: Production line upgrade  
本年度绿色生产节能案例：生产线升级

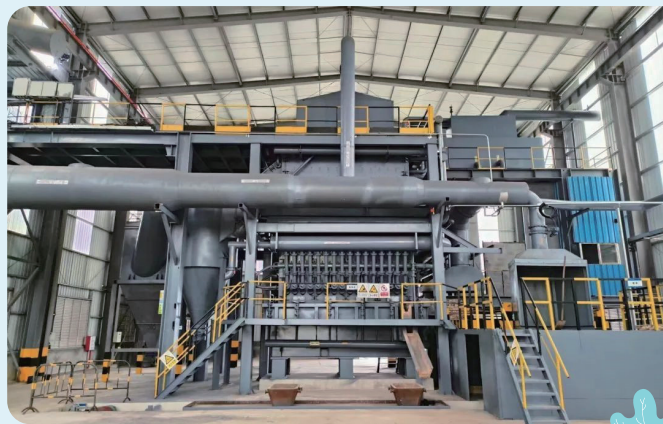


In order to improve harmless treatment and resource utilization of sludge, and assist the local government to fight the battle of pollution prevention and control, Shaoguan Dongjiang has completed the construction of the brick making machine system, the smelting furnace system, the RTO system, the desulfurization system, the activated carbon adsorption silo and ancillary equipment by organizing the transformation and upgrading of the heavy metal sludge comprehensive utilization project, and successfully obtained the Hazardous Waste Operating Permit in October 2023 to accelerate the expansion of a new track for comprehensive utilization of resources.

为提高污泥无害化处理和资源化利用水平，协助地方政府深入打好污染防治攻坚战，韶关东江通过组织实施重金属污泥综合利用项目改造升级，完成制砖机系统、熔炼炉系统、RTO系统、脱硫系统、活性炭吸附仓以及附属设备等项目施工，于2023年10月顺利取得《危险废物经营许可证》，加速拓展资源化综合利用新赛道。

Firstly, we developed a production line for empty barrels cleaning and crushing. After the treatment of liquid hazardous waste, empty packaging barrels used to hold liquids will be cleaned, crushed and made into plastic pellets, which not only saves the cost of internal empty barrels crushing treatment, but also increases revenue through the sales of plastic pellets. Secondly, we developed a production line for sawdust crushing, breaking waste wood such as the Company's pallets into sawdust and providing auxiliary materials for the workshop to reduce the procurement cost of sawdust auxiliary materials. Thirdly, we independently completed the coating of water quenching slag to ensure the safe storage of water quenching slag and achievement of environmental protection standards, so as to save the cost of external coating. While increasing revenue, waste raw materials are reused to save costs and resource consumption.

第一，我们开发空桶清洗破碎生产线，在对液体危险废物处理后，将用于盛装液体的空包装胶桶进行清洗、破碎并制作成胶粒，不仅节省内部空桶破碎处理成本，还通过胶粒销售增加了收入。第二，我们开发木糠破碎生产线，将公司卡板等废旧木料破碎成木糠并为车间提供辅料，降低木糠辅料采购成本。第三，我们独立完成水淬渣覆膜工作，确保水淬渣安全存放、环保达标，节省外委覆膜成本。在增加收入的同时，使得废旧原料重新被利用，节省成本和资源消耗。



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## COMPREHENSIVE ENVIRONMENTAL BUSINESS

## 全面环境业务

- Smart Management

In order to realize the whole-process, all-round and no-blind-spot refined management of hazardous waste from generation, transfer and transportation, receipt and storage, to final treatment and utilization, the Group independently developed a smart environmental protection operation platform, integrating intelligent labelling, mobile traceability, intelligent weighbridge and other applications, with comprehensive and effective supervision, improving internal coordination efficiency and the overall production level. In order to improve the capability of situation analysis of safety and environmental risk situation and emergency response, the Group continued to promote the special campaign of "Safety through Science and Technology", relying on the "Safe Dongjiang", a smart safety and environmental management platform, integrated dangerous operation management, toxic and hazardous gas monitoring and alerting, intelligent video analysis, unmanned aerial vehicles/hidden danger inspection robots and other applications. The platform uses information technologies such as big data, AI cloud computing and 5G + Internet of Things to achieve hidden danger management, online monitoring, training and drill management, accident management, dynamically monitor key operation data, such as abnormal high temperature and high pressure, toxic and hazardous gas emissions, effectively helping management personnel to monitor and respond to the on-site situation in real time, eliminate hidden dangers from the source, and realise dynamic, standardised and systemic safety and environmental management.

Shenzhen Huateng Environmental Information Technology Co., Ltd. ("Huateng Environmental"), a subsidiary of the Group, also participated in the project of "Guangdong Hazardous Waste Whole-Process Digital Monitoring and Management Application Demonstration" led by the Provincial Solid Waste Centre, and won the first prize of Guangdong Environmental Protection Science and Technology Award in 2022. The use of the "Intelligent Environmental Protection Operation Platform" was the first in Guangdong Province to achieve 100% online traceability of hazardous waste, and 100% integration and sharing of key data with regulatory authorities. In addition, the Platform also won the "Outstanding Application Award" of the 2023 Intelligent Supervision Business Model Innovation Activity of the State-owned Assets Supervision and Administration Commission of the State Council, which was listed as an excellent application of "strong business innovation, high intelligence level and great promotion value".

- 智能管理

为实现对危险废物从产生、转移及运输、接收及贮存、到最终处置利用的全过程、全方位、无死角精细化管理，本集团自主研发智慧环保运营平台，融合智能标签、移动溯源、智能地磅等应用，在全面有效的监管下，提高内部协同效率，提升整体生产水平。为提升安环风险态势研判和应急响应能力，本集团持续推进科技兴安专项行动，依托「平安东江」智慧安环管理平台，集成危险作业管理、有毒有害气体监测与报警、智能视频分析、无人机/隐患巡检机器人等应用为一体。利用大数据、AI云计算、5G+物联网等信息化技术，实现隐患管理、在线监测、培训与演练管理、事故管理等功能，动态监测关键运行数据，如异常高温高压、有毒有害气体排放等情况，有效帮助管理人员对现场情况实时监控并及时作出反应，从源头消除隐患，实现动态化、标准化、系统化的安环管理工作。

本集团下属企业深圳市华藤环境信息科技有限公司(以下简称「华藤环境」)还参与了由省固废中心牵头开展的《广东省危险废物全过程数字化监控及管理应用示范》项目，荣获2022年度广东省环境保护科学技术一等奖，「智慧环保运营平台」的使用在广东省内率先实现了危险废物100%在线溯源，以及与监管部门关键数据100%集成共享。此外，该平台还荣获国务院国资委2023年智能监管业务模型创新活动「杰出应用奖」，名列「业务创新强、智能化水平高、推广价值大」的优秀应用之列。

COMPREHENSIVE ENVIRONMENTAL BUSINESS  
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Environmentally Friendly Office



With the ongoing creation of environmentally friendly office culture, Dongjiang Environmental encourages employees to take the initiative to develop green and energy-saving working habits in daily work. The Group issued the proposal of "strict diligence and frugality, against extravagance and waste", which is managed in five aspects: water saving, electricity saving, resources saving, green travel, and cultivation of conservation awareness.

For data of energy consumption, water consumption and waste during the Year, please refer to Appendix I: KPI Data Table. In addition, the Group did not have any issues in sourcing of water.

环保办公

东江环保始终坚持营造环保办公文化，鼓励员工在日常工作中主动养成绿色节能的工作习惯，本集团发布「厉行节约，反对浪费」倡议书，从节约用水、节约用电、节约资源、节约出行及节约意识培养五个方面进行管理。

本年度的能源及水消耗量，以及废弃物数据请参阅附录一：关键绩效指标数据表。此外，我们在获取适当水源上没有任何问题。

<p>Water saving 节约用水</p> 	<ul style="list-style-type: none"> <li>Post placards reminding staff of saving water on the walls of every washroom 在各洗手间内张贴节约用水提醒标贴</li> <li>Intensify daily maintenance and management of water-using equipment, conduct regular water pipe leak tests, and promptly report any damages found for repair 加强用水设备的日常维护和管理，定期进行水管渗漏测试，发现损坏及时报修</li> <li>Use rainwater to water plants 使用雨水浇灌植物</li> </ul>
<p>Electricity saving 节约用电</p> 	<ul style="list-style-type: none"> <li>Purchase electronic devices with energy efficiency labels and promptly turn off appliances and electronic devices that are not in use, including lights, printers, and computers 购买具有能源效益卷标的电子设备，及时关闭不使用的电器与电子设备，如电灯、打印机、电脑等</li> <li>Set up independently controllable lighting switches in different lighting areas and use daylight as much as possible 不同照明区域设立可独立控制的照明开关，并尽量使用日光照明</li> <li>Clearly stipulate the use time and temperature of air conditioning degrees, and instal sealing strips on doors and windows to avoid the leakage of tempered air 明确规定空调度数使用时间及温度，于门窗装上密封条，避免已调温的空气外泄</li> <li>Multiple servers are concentrated in a single high capacity server and adopt virtualized computer equipment to reduce power consumption 多个服务器集中于单一较高容量的服务器中，采用虚拟化计算机设备以减少耗电量</li> </ul>






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## COMPREHENSIVE ENVIRONMENTAL BUSINESS

## 全面环境业务



<p>Resources saving 节约资源</p> 	<ul style="list-style-type: none"> <li>• Encourage duplex printing and ink-saving mode and promote the use of recycled paper to minimize the use of paper for printing 鼓励使用双面打印及省墨模式，鼓励使用再生纸，尽量减少打印纸张的利用</li> <li>• Replace the paper-based office administration system with the electronic office system 使用电子办公系统取代以纸张记录为主的办公室行政系统</li> <li>• Use waste sorting and recycling bins for recycling waste paper, metal, waste batteries, and plastics 使用垃圾分类回收筒以回收废弃纸张、金属、废弃电池及塑料类</li> <li>• Reduce the use of disposable and non-recyclable cups and other similar products, and use recyclable toner/ink cartridges 减少使用水杯等一次性及不可回收的产品，使用可循环再造的碳粉盒/墨盒等</li> <li>• Organise events in areas with convenient transportation, reduce product packaging and disposable utensils 筹办活动时于交通方便的地方举办，减少产品包装与一次性用具</li> </ul>
<p>Green travel 节约出行</p> 	<ul style="list-style-type: none"> <li>• Encourage video conferencing and teleconferencing, reduce offline meetings, and opt for direct flights and high-speed railway in the case of unavoidable business travel 多视频、电话会议，减少线下会面，并为不可避免的商务旅行选择直航航机、高铁等出行方式</li> <li>• Reserve vehicles in advance and arrange for employees of various departments to share a ride if their destinations are near each other's 提前预约用车，各部门相近路线可拼车，集中安排</li> <li>• Reduce use of private vehicles, and utilize public transportation 减少使用私家车，利用公共交通绿色出行</li> <li>• Use electric or hybrid vehicles as company vehicles 公司车辆使用电动或混能车辆</li> </ul>
<p>Cultivation of conservation awareness 节约意识培养</p> 	<ul style="list-style-type: none"> <li>• Encourage employees to participate in environmental activities organized by environmental groups 鼓励员工参加由环保团体举办的环保活动</li> <li>• Publicize and instruct emission reducing measures among employees by means of emails, posters, the intranet and other mediums 透过电邮、海报、内部网络等媒体向员工宣传及教导减排措施</li> <li>• The company has set up the "Dongjiang Youyu" second-hand goods circulation platform to reuse unused goods 公司内部设立「东江有鱼」二手物品流通平台，再次利用闲置物品</li> </ul>



### 6.3 Implementation of Low-carbon Management

Dongjiang Environmental has been deeply rooted in the field of environmental protection technology for many years, fully supports the national “dual carbon goals” and “UN Sustainable Development Goal 13-Climate Action” by taking urgent actions to cope with climate change and its impacts, and consciously carrying out long-term carbon emission reduction. In addition, relying on our own technological advantages, we have recycled the waste containing heavy metals involved in the Group’s business, exporting nearly 80,000 tonnes of recycled products annually; the annual electricity generated by the biogas is equivalent to the electricity consumption of 70,000 households for one year, and at the same time, the air pollution caused by about 50,000,000 cubic metres of landfill gas can be reduced.

The Group’s green house gas emissions are calculated in accordance with ISO14064-1 established by International Organization for Standardization and the Greenhouse Gas Protocol developed by World Resources Institute and World Business Council for Sustainable Development. As of 31 December 2023, the total greenhouse gas emissions (Scope 1 and Scope 2) within the scope of environmental data were 127,601.01 tonnes of CO<sub>2</sub>e, representing a decrease from the previous year; the emission intensity was 0.07 tonnes of CO<sub>2</sub>e/m<sup>2</sup>, which was similar to the previous year.

The sources of emissions are as follows:



Emission category  
排放类别

Sources of emissions  
排放来源

Scope 1  
范围1

Stationary equipment fuel consumption, vehicle fuel consumption, refrigerant  
固定设备燃料消耗、车辆燃油消耗、制冷剂

Scope 2  
范围2

Electricity and steam consumption for daily operation  
日常运营电力及蒸汽消耗

### 6.3 实施低碳管理

东江环保多年来扎根环保科技领域，全力支持国家「双碳目标」和「联合国可持续发展目标13—气候行动」，采取紧急行动应对气候变化及其影响，自觉开展长期碳减排工作。此外，我们依托自身科技优势，对集团业务所含重金属废物进行资源化利用，每年输出再生产品近8万吨；利用沼气每年产生电能相当于7万户居民1年的用电量，同时可减少约5千万立方米填埋气对大气环境的污染。

本集团根据国际标准化组织ISO14064-1及世界资源研究所与世界可持续发展工商理事会开发的《温室气体盘查议定书》计算温室气体排放量。截至2023年12月31日，环境数据范围内的温室气体排放总量（范围1与范围2）为127,601.01公吨二氧化碳当量，较上一年减少；排放强度为每平方米0.07公吨二氧化碳当量，与上一年相若。

排放来源如下表：

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The Group's operations involve the disposal and utilization of hazardous waste, which involve incineration processes and thus generate some air pollutants, mainly including sulphur oxides (SO<sub>x</sub>), nitrogen oxides (NO<sub>x</sub>) and particulate matter. Therefore, in order to reduce the generation of air pollutants, we actively explored new operation mode, new process and new technology, so as to effectively remove and reduce harmful gases.

According to the characteristics of hazardous waste treatment, the Group strictly implements the operation guideline procedures and online monitoring procedures to strictly monitor the incineration process, and imposes multiple process techniques when incineration rotary kiln flue gas treatment is used to ensure that the air pollutants emitted during the production process meet the national standards.

本集团运营过程涉及危险废物的处理与利用，焚烧工序过程中会产生部分空气污染物，主要包括硫氧化物(SO<sub>x</sub>)、氮氧化物(NO<sub>x</sub>)及颗粒物等。为减少空气污染物产生，我们积极探索新运营模式、新工艺、新技术，从而有效去除与减少有害气体。

本集团根据危废处理的特点，严格实施操作指引程序及在线监测程序中对焚烧过程进行严格监控，并在焚烧回转窑烟气处理时施加多个流程工艺，确保生产过程中排放出的空气污染物达到国家标准。

## Air Pollutants Emissions

## 空气污染物排放量



Air pollutants	Unit	Industrial and municipal waste disposal projects	Company vehicle emissions	2023 total emissions	2022 total emissions
空气污染物	单位	工业及市政废物处置等项目	公司车辆排放	2023年总排放量	2022年总排放量
Nitrogen oxides (NO <sub>x</sub> ) 氮氧化物(NO <sub>x</sub> )	Tonnes 公吨	95.61	8.09	103.70	107.80
Sulphur oxides (SO <sub>x</sub> ) 硫氧化物(SO <sub>x</sub> )	Tonnes 公吨	26.70	0.01	26.71	64.50
Particulate matter (PM) 颗粒物(PM)	Tonnes 公吨	10.27	0.59	10.86	19.68


6.4 Preventing Climate Risks

In recent years, with global warming, the frequency of extreme weather events has gradually increased, and the financial risks brought by climate change have become one of the focuses of more and more investors. The Group pays close attention to climate change, identifies potential operational and management risks, continuously optimises the energy structure, vigorously develops the new energy industry, and incorporates climate change factors into the business decision-making and management evaluation system to improve the risk resistance capacity of each business segment of the Group.

6.4 防范气候风险

近年来随著全球气候变暖，极端天气事件发生频率逐渐增多，气候变化带来的金融风险已成为越来越多投资者关注的焦点之一。本集团密切关注气候变化，识别潜在的运营和管理风险，不断优化能源结构，大力发展新能源产业，将气候变化因素纳入业务决策与管理评估体系中，提升本集团各业务板块抗风险能力。



Category of risks 风险分类	Identified climate risks 已识别的气候风险	Coping methods 应对措施
Physical Risk 物理风险  	Acute risks (e.g. higher frequency of extreme weather such as super typhoons and heavy rains) 急性风险(如超级台风、暴雨等极端天气的增加)	<ul style="list-style-type: none"> <li>Consider appropriately adding backup power storage equipment and backup water storage tanks according to the situation of each subsidiary 根据各附属公司情况，考虑适当增加后备储电设备及后备储水缸</li> <li>Communicate with suppliers in advance on emergency response measures in extreme situations 提前与供应商沟通极端情况下的紧急应对措施</li> </ul>
	Chronic risks (e.g. changes in precipitation patterns and extreme changes in climate patterns) 慢性风险(如降雨模式的变化与气候模式出现极端的变化)	<ul style="list-style-type: none"> <li>Review the impact of extreme weather on business and factor this impact into the development of contingency plans 审视极端天气对业务的影响，并将该影响纳入制定应急方案中进行考虑</li> <li>Provide relevant coping training to employees 向员工提供相关应对培训</li> </ul>




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Category of risks 风险分类	Identified climate risks 已识别的气候风险	Coping methods 应对措施
Transition Risk 转型风险 	Technical Risk 技术风险	<ul style="list-style-type: none"> <li>Track the latest environmental protection engineering technology in the market 追踪市场最新的环保工程科技</li> <li>Study the feasibility of alternative fuels to constantly lower the high price of fuels 可替代燃料的可行性研究，持续降低高价燃料</li> </ul>
	Policy and Regulatory Risk 政策法规风险	<ul style="list-style-type: none"> <li>Reduce energy consumption, thereby reducing purchased emission credits and CO<sub>2</sub> emissions 减少能源消耗，从而减少购买的排放信用额和二氧化碳排放量</li> <li>Improve energy efficiency and use other combustibles, thereby reducing reliance on fossil fuels 提高能源效率并使用其他助燃物，从而降低了对化石能源依赖</li> <li>Improve facility energy efficiency 提高设施能源效益</li> <li>Strictly monitor the environmental protection indicators of subsidiaries to ensure compliance with relevant environmental protection regulations 严格监控下属公司的环保指标，确保符合相关环保法规</li> </ul>

Dongjiang Environmental has always adhered to the compliant operation of various businesses, implemented the concept of “anti-corruption and integrity”, and continuously improved the rules and systems in terms of environmental health and safety, product quality, information data security and intellectual property rights, so as to ensure that all processes of the Company’s operations are legal and compliant, and the management is supported by evidence to facilitate the healthy and stable development of the Company.

### 7.1 Building a Safety System

In order to create a comfortable, healthy and safe working environment for all employees and provide customers with high-quality and reliable products and services, Dongjiang Environmental has established a sound regulatory system and a scientific governance structure. Through strict division of responsibilities and effective training and inspection, Dongjiang Environmental has continuously improved its environmental, health and safety governance level.

- **Well-established Rules and Regulations System**

Dongjiang Environmental has long strictly complied with the Law of the People’s Republic of China on the Prevention and Control of Occupational Diseases, the Administrative Measures for Occupational Health Inspection, the Environmental Protection Law of the People’s Republic of China, the Environmental Management Systems – Requirements with Guidance for Use (GB/T24001-2016) and the Occupational Health and Safety Management Systems – Requirements with Guidance for Use (GB/T45001-2020) and other regulations and system standards, and promoted the implementation of internal policies such as the Quality, Environment and Occupational Health and Safety Management Handbook and the Three Simultaneities Management System for Safety and Environmental Protection to control health and safety risks. During the Year, the Company revised and issued the Dongjiang Environmental Company Limited Regulations on Safety and Environmental Protection Inspection and Management and the Dongjiang Environmental 2023 Implementation Plan for Safety and Environmental Protection Fire Protection Assessment, which requires the establishment of a normalised mechanism for safety and environmental protection inspections, the establishment of a long-term mechanism for hidden danger investigation and management, and the strengthening of supervision and assessment of safety inspections and hidden danger investigation and management, so as to further improve the level of environmental, health and safety (EHS) risk management and ensure that the implementation process is supported. In 2023, the Group had no safety accidents, no fatal accidents, occupational disease accidents and environmental pollution accidents.

东江环保始终坚持各项业务合规运营，贯彻落实「反腐败，倡廉政」的理念，不断完善环境健康安全、产品质量、信息数据安全及知识产权等方面的规章体系，确保公司运营各个过程合法合规，管理工作有据可依，助力公司健康平稳发展。

### 7.1 打造安全体系

东江环保为确保给全体员工打造舒适、健康、安全的工作环境，给客户提供高质量、可信赖的产品和服务，设立完善的规章体系，搭建科学的治理架构，通过严密的责任分工和有效的培训检查，不断提高自身环境健康安全治理水平。

- **完善的规章体系**

东江环保长期严格遵守《中华人民共和国职业病防治法》、《职业健康检查管理办法》、《中华人民共和国环境保护法》，以及GB/T24001-2016《环境管理体系要求及使用指南》和GB/T45001-2020《职业健康安全管理体系要求及使用指南》等法规与体系标准，推动实施《质量、环境、职业健康安全管理体系手册》、《安全环保三同时管理制度》等内部政策控制健康安全风险。本年度修订并发布《东江环保股份有限公司安全环保检查管理规定》和《东江环保2023年安全环保消防工作考核实施方案》，要求建立安全环保检查常态化机制、建立隐患排查治理长效机制，并加大安全检查和隐患排查治理的监督与考核力度，进一步完善环境、健康与安全（EHS）风险管理水平，确保各实施过程有据可依。2023年，本集团未发生安全意外情况，没有发生死亡责任事故、职业病危害事故及环境污染责任事件。

# 7 ENSURING COMPLIANCE OPERATION

## 确保合规运营

### Rigorous Management System

As an enterprise carrying out system work in the early stage of the industry, Dongjiang Environmental passed the certification of Occupational Health Management System (ISO45001) and Environmental Management System (ISO14001) for the first time in 2013, and successfully renewed the certificate in October 2022, representing Dongjiang Environmental's emphasis on the environment and occupational health and safety, as well as high-quality EHS management level.

### 严谨的管理体系

作为业内早期开展体系工作的企业，东江环保于2013年首次通过职业健康管理体系（ISO45001）和环境管理体系（ISO14001）的认证，并于2022年10月成功换证，代表东江环保对环境及职业健康安全的高度重视，以及高质量的EHS管理水平。



ISO45001 certification  
ISO45001体系证书



ISO14001 certification  
ISO14001体系证书

Dongjiang Environmental has formulated a safety and environmental protection management system in accordance with relevant rules and regulations, taking into account its own business characteristics, and set up a production safety and fire safety committee at the headquarters of the Group. The Group's subsidiaries with more than 100 employees have set up an independent safety and environmental protection department, which is responsible for the overall coordination of the Group's EHS work, together with the EHS management leading group and professionals of the subsidiaries to manage and handle EHS affairs. For the management of hazardous materials, the Group employs registered safety engineers to manage hazardous materials and responsible for the compliance management of the production, storage and metal smelting of hazardous materials to ensure the Group's safe and compliant operation.

东江环保根据相关规定条例，结合自身业务特点，制定安全环保管理制度，在集团总部设立安全生产暨消防委员会，本集团下属超过100人的企业设立独立安全环保部，由安委会全面负责统筹全集团的EHS工作，连同下属企业EHS管理领导小组和专业人员管理和处理EHS事务。对于危险物品管理，本集团聘用注册安全工程师对于危险物品进行管理，负责危险物品的生产、储存及金属冶炼合规管理工作，以保证集团安全合规经营。



- **Strict Division of Responsibilities**

Adhering to the responsibility concept of “Party and the Management share the responsibility, one Party with two responsibilities, joint management and accountability for dereliction of duty”, the Group has made the requirements of “industry overseers, business overseers, and production and operation overseers must oversee safety” in the environmental health and safety management work, and implemented the responsible subjects to individuals in accordance with the principles of “who is in charge, who is responsible, direct leadership, and territorial management”. The Group has established a top-down hierarchical responsibility system, and clarified the scope of EHS responsibilities for each position. The Group conducts assessments on each business unit from time to time, starting from multiple dimensions, including implementing the main responsibility of the enterprise, strengthening on-site safety management, special rectification of safety production, implementing the strategy of strengthening safety through science and technology, strengthening environmental protection work, and conducts a comprehensive score based on four steps, namely self-evaluation, daily assessment, on-site assessment and comprehensive summary, so as to continuously strengthen the safety responsibility awareness of employees.

- **Effective Training Inspection**

In order to continuously promote the safe operation of various production links of the Company and improve employee risk identification and response, the Group carries out various forms of training and inspection activities from time to time every year to supervise and help employees implement safety responsibilities. According to the “Dongjiang Environmental Site Safety Management Improvement Annual Implementation Plan”, the Company regularly tracks and checks the potential safety hazards of projects, and carries out special rectification of the identified potential risks. In 2023, the Group’s headquarters conducted a total of 1,151 safety and environmental training sessions by hiring safety and environmental management experts and conducting offline and online education, with 25,773 participants. In addition, the Group actively fulfilled its social responsibilities and provided emergency rescue services to competent government departments at all levels by relying on various hazardous waste disposal bases. Throughout the Year, the Group completed 54 emergency tasks assigned by government departments, mobilised 385 emergency team members, and cleaned up and disposed of 2,368.29 tonnes of hazardous waste.

- **严密的责任分工**

本集团秉持「党政同责、一岗双责、齐抓共管、失职追责」的责任理念，对于环境健康安全管理工作提出「管行业必须管安全，管业务必须管安全，管生产必须管安全」的要求，将责任主体按照「谁主管、谁负责、直线领导、属地管理」的原则落实到个人，建立自上而下的逐级责任体系，明确各岗位的EHS责任范围。本集团不定期对各业务单位进行考核，从落实企业主体责任、加强现场安全管理、安全生产专项整治、实施科技强安战略、加强环境保护工作等多个维度出发，根据自我评价、日常考核、现场考核、综合汇总四个步骤进行综合评分，持续强化员工的安全责任意识。

- **有效的培训检查**

为持续推进公司各项生产环节安全运行，提高员工风险辨识及应对水平，本集团每年不定期开展多种形式的培训与检查活动，监督并帮助员工落实安全责任。根据《东江环保现场安全管理提升年实施方案》，定期跟踪排查项目安全隐患，对发现的风险隐患进行专项整治。2023年，集团总部通过聘请安全环保管理专家，线下及线上宣教的方式，累计开展安环培训1,151场，参与人数达25,773人次。此外，本集团积极履行社会责任，依托各危险废物处置基地，为各级政府主管部门提供应急救援服务，全年完成政府部门委派的应急任务54次，出动应急队员385人次，清理处置危险废物2,368.29吨。



## 7 | ENSURING COMPLIANCE OPERATION 确保合规运营

Safety Training Case of the Year: "Safety Production Month" and "Safety Publicity" Activities  
本年度安全培训案例：「安全生产月」和「安全生产万里行」活动



Subsidiaries of Dongjiang Environmental, including Longgang Dongjiang, Zhuhai Yongxingsheng and Jiangmen Dongjiang, actively responded to the themed activity of the Group's "everyone values safety and everyone masters emergency response skills" through safety hazard investigation, safety knowledge quizzes, safety skills competition, escape drill video popularisation and other methods, and improved the Group's business safety management level.

东江环保所属龙岗东江、珠海永兴盛、江门东江等子公司通过安全隐患排查、安全知识竞答、安全技能比武、逃生演练视频科普等方式，积极响应「人人讲安全、个个会应急」的活动主题，提升集团业务安全管理水平。



Safety Training Case of the Year: Comprehensive Emergency Drill for Hazardous Waste Leakage and Electrical Fire Incident  
本年度安全培训案例：危险废物泄漏及电气火灾事故综合应急演练



Dongjiang Environmental held the 2023 comprehensive emergency drill for hazardous waste leakage and electrical fire accidents in Baoan Dongjiang, a subsidiary of Dongjiang Environmental. Through simulated exercises on hazardous waste leakage and electrical fire accidents, Dongjiang Environmental emphasised the safety awareness of all employees and consolidated the emergency response process and operation methods.

东江环保在所属企业宝安东江举行2023年度危险废物泄漏及电气火灾事故综合应急演练，通过对危险废物泄漏及电气火灾事故模拟演练，向全体员工强调安全意识，巩固突发事件应对流程和操作办法。



2023 EHS Performance of the Group  
本集团2023年EHS绩效表现

1	<p>During the Year, each unit newly formulated or revised 527 safety operation procedures, identified 1,153 risk factors in positions or workplaces, posted 822 risk factor notification cards on site; 本年度各单位新制定或修订安全操作规程527项，辨识岗位或作业场所危险因素1,153个，现场张贴风险因素告知卡822张；</p>
2	<p>Developed and safely completed 65 implementation programmes for medium and large-scale amendments, and the safety and environmental departments of each unit carried out 811 special training and counselling activities for the Year of Safety Management Improvement, with a total of 7,233 participants; 制定并安全完成中、大修实施方案65项，各单位安环部门开展现场安全管理提升年专项培训辅导活动811次，参与人员共7,233人次；</p>
3	<p>The Company did not identify major hidden dangers in the system, investigated and rectified 1,355 general hidden dangers; 公司系统未发现重大事故隐患，排查整治一般事故隐患1,355处；</p>
4	<p>Organised 9 inspection teams to complete the cross-inspection of safety and environmental protection for 26 units, found and rectified 234 hidden dangers; 组织9个检查组完成对26个单位进行安环交叉检查，发现并落实整改事故隐患234处；</p>
5	<p>Organised 30 training sessions on safety knowledge of operations in confined spaces, with 476 participants and 654 operations in confined spaces safely completed; 组织30场次有限空间作业安全知识培训，参与人员476人次，安全完成654次有限空间作业；</p>
6	<p>In 2023, all units of the Company completed 683 safety and environmental emergency drills, including 15 joint emergency drills organised by local government departments. 2023年公司系统各单位完成各类安全、环保应急演练683次，其中参与属地政府部门组织的联合应急演练15次。</p>

7.2 Improving Product Quality

As a technology-based environmental protection service enterprise, Dongjiang Environmental always insists on strict control of products (such as recycled products) and service quality. With the help of ISO9001: 2015 quality certification, Dongjiang Environmental promotes the continuous improvement of product and service quality and strengthens the quality supervision responsibility. To this end, the Group incorporates suppliers and partners into the quality management system, actively implements a broad and precise quality management strategy covering all business areas, and conducts full life-cycle quality supervision and control based on the different characteristics of products and services to ensure compliance with regulations and customer requirements at the same time.

7.2 提升产品质量

东江环保作为一家科技型环保服务企业，始终坚持对产品（如资源化产品）与服务质量严格把控，借助ISO 9001：2015质量认证，推动企业不断提升产品与服务质量，强化质量监管责任。为此，本集团将供应商和合作夥伴纳入质量管理体系，积极实施广泛而精准、涵盖所有业务领域的质量管理战略，针对产品与服务的特点进行全生命周期的质量监管把控，以确保同时符合法规与客户要求。

## 7

## ENSURING COMPLIANCE OPERATION

## 确保合规运营

- Production Process Quality Management

The production process is an important part of the inspection of product and service quality. In order to ensure the quality of products and services, the Group adheres to the principle of "quality is achieved through the production and service process", takes the production process as an important starting point of inspection quality standards, and builds a three-pronged management system of three inspection management, job management and equipment management, which runs through the entire production process.

- (1) Three inspection management: self-inspection, mutual inspection and special inspection are carried out based on the standards of "not accepting, not manufacturing, and not passing on";
- (2) Job management: regular training and assessment are conducted for personnel in key positions involved in the production process, and "who pass the assessment are given qualifications";
- (3) Equipment management: the daily management responsibility of the equipment should be assigned to specific individuals, requiring the person in charge to develop operation and maintenance manuals to ensure that the equipment can still operate stably under special circumstances and provide products and services that meet quality standards.

After the completion of production, the products need to be packaged and labelled according to relevant standards, and the technical department will complete the inspection of product performance indicators, etc. Only after passing the quality inspection standards such as consistency, safety and accuracy can the products be put into storage, and placed by areas according to the varieties and quality.

- 生产过程质量管理

生产过程作为检验产品和服务质量的重要环节，为确保产品和服务质量，本集团坚持「质量以生产和服务过程来实现」的原则，将生产过程作为检验质量标准的重要抓手，搭建起三检管理、上岗管理和设备管理三线并行的管理体系，贯穿整个生产过程。

- (1) 三检管理：以「不接受、不制造、不传递」为标准开展自检、互检、专职检验；
- (2) 上岗管理：针对生产过程所涉及的关键岗位人员开展定期培训和考核，实行「谁通过，谁上岗」；
- (3) 设备管理：将设备日常管理责任精确到人，要求设备负责人制定设备操作手册与维护保养手册，以确保特殊情况下设备依然能够稳定运转，提供符合质量标准的产品和服务。

产品完成生产后，需要根据相关标准进行统一包装、标识，由技术部门对产品性能指标等完成检验，通过一致性、安全性、准确性等质量检测标准后方可入库，并按照品种和质量分区摆放。

- **Final Product Quality inspection and Shipment Management**

In order to ensure the quality of the final products, the Quality Technology Department will check and verify the structure, configuration, performance indicators, labels and packaging of the final products item by item according to relevant technical standards and documents, and ensure that the finished products fully comply with the technical requirements of product quality. The products will only be transferred to the warehouses if they pass the inspection.

When the products are put into storage, the warehouse clerk arranges them by areas according to their varieties and qualities, and makes corresponding signs. When the finished products are shipped out of the warehouse, the Sales Department sends the approved "sales notice" to the warehouse management office, and the warehouse clerk prepares the goods according to the grade and weight of the finished product indicated on the "sales notice", and informs the relevant departments to load the truck. When loading, the warehouse clerk will strictly check the quantity and standard weight of each batch of finished products with the actual weight after weighing, and confirm the completion of delivery with the customer's signature to ensure that the products meet the quality and technical requirements.

- **Product Quality Improvement**

In addition to relying on technological innovation, feedback from the use of products is also of great significance to the direction of product improvement. The Group actively builds a complete product quality monitoring and measurement system, monitors product operation information in real time, and engages third-party institutions for review when necessary; At the same time, the monitoring information is uniformly summarised and stored in the Group's product quality information database, and the Group's professional technical personnel monitors and analyses the quality information, convenes relevant personnel to discuss product quality problems through regular meetings, proposes effective solutions, and transmits them to the departments with similar businesses of each subsidiary immediately, and alerts them in a timely manner for prevention to ensure the consistency within the Group.

- **最终产品质量检验和出货管理**

为确保最终产品质量，质量技术部会根据相关技术标准和文件，对最终产品的结构、配置、性能指标、标识和包装等逐项进行检查验证，已确保成品完全符合产品质量技术要求。产品经检验合格后，方可办理入库手续。

产品入库时，仓库管理员根据产品的品种和质量对其进行分区摆放，并做好相应的标识。成品出库时，销售部将核准的《销售通知单》传至仓管处，仓管员根据《销售通知单》上标明的成品等级和重量进行备货，并通知相关部门进行装车。装车时，仓管员对每批成品的数量、标准重量与过磅后的实际重量进行严格核对，经客户签名确认完成出货，确保产品符合质量及技术要求。

- **产品质量改进**

产品的改进除了依靠技术创新外，来自于产品使用过程中的反馈同样对产品的改进方向具有重要指导意义。本集团积极搭建完整的产品质量监控与测量系统，实时监测产品运行信息，并在必要时聘请第三方机构进行审核；同时，监测信息统一汇总到集团产品质量信息数据库进行储存，由集团专业技术人员对质量信息进行监管与分析，通过例会的方式召集相关人员对产品质量问题进行研讨，提出有效的解决方式，并第一时间传递给各子公司具有类似业务的部门，及时警示以做预防，确保集团内部一致性。

## 7 | ENSURING COMPLIANCE OPERATION

### 确保合规运营

If there are quality problems with the products, the customers have the right to deliver the returned products to the negotiated location. Upon receipt of the returned product, we will follow the procedures to return or partially refund the product within a certain period of time. If there are any disputes in the process, we can coordinate through technical specialists, and may engage third-party quality inspection agencies to conduct inspection decisions.

During the Year, the Group had no sold or shipped products that had to be recalled for safety and health reasons.

若产品出现质量问题，客户有权将退货产品运送到协商地点，我们收到退货产品后将依据程序在一定期限内进行退货或部分退款，若该过程出现任何争议，可通过技术专员进行协调，亦可聘请第三方质量检验机构进行检验裁决。

本年度，本集团没有因安全与健康理由而须回收的已售或已运送产品。

### 7.3 Upholding Probity and Honesty

- Sound Integrity System

#### (1) Institutional Management

Integrity is one of the important signs to ensure that enterprises maintain advanced and sustainable development. Dongjiang Environmental strictly abides by the Anti-Money Laundering Law of the People's Republic of China, the Company Law of the People's Republic of China, and Anti-Money Laundering and Counter-Terrorist Financing (Amendment) Ordinance of Hong Kong, China and other relevant laws, and has formulated internal management policies such as the Management Measures for Rewards and Punishments for Employees, "10 Prohibitions" for Leaders of Dongjiang Environmental Company Limited, Certain Regulations on Integrity of Tendering Staff in Engineering Construction and Procurement of Dongjiang Environmental Company Limited, Measures of Dongjiang Environmental on Strengthening Collaborative Supervision and Interim Provisions on Notification and Handover of Clues for Violations of Regulations, Disciplines and Laws in Dongjiang Environmental, to strictly crack down on acts that endanger the interests of the country and the Group by taking bribes from positions and seeking personal gains with power.

### 7.3 坚守廉洁诚信

- 健全的廉洁制度

#### (1) 制度管理

清正廉洁是确保企业保持先进性和持续发展的重要标志之一，东江环保严格遵守《中华人民共和国反洗钱法》、《中华人民共和国公司法》及中国香港《打击洗钱及恐怖分子资金(修订)条例》等相关法律，制定了包括《员工奖惩管理办法》、《东江环保股份有限公司领导人员「十条禁令」》、《东江环保股份有限公司工程建设及采购招标工作人员廉洁从业若干规定》、《东江环保关于加强协同监督工作的办法》《东江环保违规违纪违法问题线索通报移交处理暂行规定》等内部管理政策，严厉打击利用职务之便收受贿赂、以权谋私等危害国家与集团利益的行为。



### (2) Reporting Channels

In order to maintain the smooth reporting channels and effectively and accurately crack down on corruption, the Group has set up a Discipline Inspection Office to encourage employees to conduct evidence-raising and provide effective clues through real-name reporting, anonymous letter visits and reports, reporting, comprehensive supervision and inspection, audit and other channels. At the same time, in order to protect the information of whistleblowers, the Group strictly controls the identity of whistleblowers, the scope of confidential personnel and the handover process, and fully protects the whistleblowers' right to report from infringement. After receiving the report, the Group will centrally manage the clues in accordance with the Working Rules for Handling Problem Clues, and the Discipline Inspection Office will set up a special verification team to carry out hierarchical and classified treatment based on the rank of the reported object and the evidence of the reported facts, and promote the verification and investigation of the case.

### (3) Clean Human Resources

Dongjiang Environmental has also formulated the Interim Provisions on Work Reply to Integrity Opinions to refine the promotion and nomination and recommendation process of the Company's personnel. The Disciplinary Inspection Office or the dispatched supervision and inspection team of the Group is assigned to supervise and investigate the integrity of the organization's Personnel Department. Listening to their opinions and suggestions on the integrity of the cadres to be promoted and recommended by the Company, and after comparing them with the file records such as petition reports and disciplinary reviews, issuing integrity opinions in accordance with the cadres' management authority in a hierarchical manner.

### (2) 举报渠道

为畅通举报渠道，有效精准打击腐败分子，本集团设有纪律检查室，鼓励员工通过实名举报、匿名信访举报、检举、综合监督审查、审计等多种途径进行举证，提供有效线索。同时，本集团为保护举报人信息，对举报人身份、涉密人员范围、交接流程严格控制，全力保障举报人的检举权不受侵害。收到举报后，本集团将依据《问题线索处置工作规则》集中管理线索，由纪律检查室成立特别核查小组，依据被举报对象职级和举报事实证据进行分级分类处理，推动案件核实调查。

### (3) 廉洁人事

东江环保还制定了《廉洁意见回复工作暂行规定》，对公司人事提拔、提名推荐流程进行细化。由纪律检查室或集团派驻监督检查组，对组织人事部门廉洁性进行监督与调查；听取其对公司拟提拔与推荐干部廉洁性的意见与建议，并在与信访举报、纪律审查等档案记录进行比对后，按照干部管理权限分级出具廉洁意见。

## 7

## ENSURING COMPLIANCE OPERATION

## 确保合规运营

- Compliance Operation

Dongjiang Environmental strictly abides by the Company Law of the People's Republic of China, the Securities Law of the People's Republic of China, the Law of the People's Republic of China on State-Owned Assets in Enterprises and other relevant regulations, formulates and implements internal regulations such as the Dongjiang Environmental Company Limited Compliance Manual and the Dongjiang Environmental Company Limited Compliance Joint Meeting Management Rules, and practises the core values of compliance management of "Take up the mission of environmental protection and move forward in compliance to achieve green development". Through measures such as system first, source identification, compliance review, risk response, strict accountability and regular training, Dongjiang Environmental improves its risk identification ability, strengthens its sense of responsibility, and scientifically builds a compliance management system, so as to ultimately achieve the effective management of the whole process of source prevention, process compliance and results satisfaction.

During the Reporting Period, the Group achieved 100% online compliance review in terms of contract management, litigation management, procurement management and other fields, held 4 compliance administrator meetings, and organised no less than 8 "Legal System Lecture" training sessions to further implement the concept and requirements of corporate governance in accordance with the law.

- Integrity and Compliance Training

During the Reporting Period, Dongjiang Environmental carried out integrity education and training for different groups such as directors, management cadres and grass-roots employees, including the centralised training of 2023 Discipline Education and Study Month Integrity Lecture, the visit and learning of the Wen Tianxiang Integrity Education Hall, 2023 work conference on Party spirit and integrity building. With the deepening of integrity training and publicity and special rectification, the unhealthy atmosphere has been weakened, and the integrity awareness of employees has been continuously enhanced. The Group has continuously created a clean working atmosphere for all employees to promote the sustainable development and progress of the Group.

During the Reporting Period, Dongjiang Environmental did not have any cases of corruption, bribery, extortion, fraud and money laundering.

- 合规运营

东江环保严格遵守《中华人民共和国公司法》、《中华人民共和国证券法》及《中华人民共和国企业国有资产法》等相关法规，制定并实施《东江环保股份有限公司合规手册》和《东江环保股份有限公司合规联席会议管理细则》等内部条例，践行「环保使命，合规前行，绿色发展」的合规管理核心价值观，通过制度先行、源头识别、合规审查、风险应对、严厉问责、定期培训的等手段，提升风险识别能力，强化责任意识，科学搭建合规管理体系，最终实现源头预防、过程合规、结果满意的全流程有效管理。

报告期内，本集团在合同管理、诉讼管理、采购管理等领域实现线上合规100%审查，召开合规管理委员会4次，组织了不少于8场「法制大讲堂」培训，进一步落实依法治企的理念和要求。

- 廉洁与合规培训

报告期内，东江环保分别针对董事、管理干部、基层员工等不同群体展开廉洁教育培训工作，包括2023年纪律教育学习月廉洁大讲堂集中培训、文天祥廉政教育馆参观学习、2023年党风廉政建设工作会议等会议与培训活动。随著廉政培训宣传与专项整治工作不断深入，不正之风不断削弱，员工廉洁意识不断增强，本集团不断为全体员工营造清朗的工作氛围，促进集团持续发展与进步。

报告期内，东江环保未发生任何有关贪污、贿赂、勒索、欺诈及洗黑钱的案件。



## 7.4 Maintaining Data Security

Information security is a new challenge of the times for enterprises, but also one of the important needs to promote the development of enterprises. Dongjiang Environmental has established a sound information security management system and governance structure, continuously improved the level of digital work, optimised data protection measures, and reduced the harm caused by data leakage and intellectual property rights.

- **Information Security System Construction**

Dongjiang Environmental strictly adheres to the Network Security Law of the People's Republic of China, Measures for Security Protection Administration of the International Networking of Computer Information Networks, Administrative Measures for the Graded Protection of Information Security, and other relevant laws and regulations, and continuously improves and implements internal management systems such as the IT Security Management Regulations, Information Management System, Measures for the Management of Software Legalization Work and the Information System Emergency Response Plan of Dongjiang Environmental. During the Year, we formulated and implemented the Digital Work Management System and the Digital Project Management Measures, which clarified the Group's digital transformation leading group is responsible for co-ordinating and leading the Group's digital transformation, and the Office (Information Centre) is responsible for the day-to-day management of digitalisation. By supervising and identifying information security boundaries, clarifying technical specifications and requirements, implementing emergency response measures, and entrusting third-party companies to provide technical services, we consolidated the structural foundation of the governance system and avoided safety risks as much as possible.

## 7.4 维护数据安全

信息安全是时代对于企业提出的新的挑战，也是促进企业发展的重要需求之一，东江环保建立完善的信息安全管理体系与治理架构，不断提升数字化工作水平，优化数据保护措施，减少因数据泄露、知识产权等问题带来的危害。

- **信息安全制度建设**

东江环保严格遵守《中华人民共和国网络安全法》、《计算机信息网络国际联网安全保护管理办法》及《信息安全等级保护管理办法》等相关法规，不断完善并实施《IT安全管理规定》、《信息管理制度》、《软件正版化工作管理办法》、《东江环保信息系统应急预案》等内部管理制度。本年度，我们制定实施《数字化工作管理制度》和《数字化项目管理办法》，明确集团数字化转型领导小组统筹领导，办公室（信息中心）进行数字化日常管理，通过监督识别信息安全边界、明确技术规范要求，实施应急处理措施，委托第三方公司提供技术服务等手段，夯实治理体系的架构基础，尽量规避安全风险。

## 7

## ENSURING COMPLIANCE OPERATION

## 确保合规运营

- **Equipment and Hardware Maintenance**

Each unit of the Group has established capabilities such as anti-earthquake, wind, rain, lightning and electromagnetic field interference, and has assigned special personnel to be responsible for the security of the computer room, set up obvious and uneasy-to-remove tags for important equipment, maintained and updated the Group's network security defence equipment every year, upgraded and updated the comprehensive defence functions including data centre monitoring and intrusion detection, improved the ability of hardware equipment to prevent information leakage, ensured the Group's information security, and built a "firewall" for the prevention of information security risks.

- **Enhancement of Management Capability**

The information system involving real-time control and data transmission is technically separated from other data networks. Relying on the advanced information storage management system, Dongjiang Environmental adopts automation, network monitoring, microservices and other new means to realise the hierarchical, classified, and graded backup management of information data, long-term storage of video surveillance images, and the data and logs of production and operation systems are connected to the headquarters data centre, which has been awarded the "Shenzhen Information Security Level Protection Level 2 Certification", marking a new level of the Group's information protection level. In addition, we have formulated and strictly adheres to the Information System Emergency Response Plan of Dongjiang Environmental to minimize the risks of network and information security emergencies.

- **设备硬件维护**

本集团各单位建立具有防震、防风、防雨、防雷击、抗电磁场干扰等能力，设置专人负责机房安全，对重要设备设置明显且不易去除的标签，每年对集团网络安全防御设备进行维护与更新，对包括数据中心监控、入侵检测等在内的系统升级更新综合防御功能，提高硬件设备的防御信息泄露的能力，保障集团信息安全，筑牢信息安全风险「防火墙」。

- **管理能力提升**

本集团对涉及实时控制和数据传输的信息系统在技术层面实现与其它数据网的安全隔离，依靠先进的信息储存管理系统，东江环保采取自动化、网络监控、微服务等新手段实现了对信息数据的分层、分类、分级备份管理，视频监控影像长期储存，生产运营系统数据和日志接入总部数据中心，获得「深圳市信息安全等级保护二级认证」备案，标志著本集团信息保护水平提升到新的台阶。此外，我们已制定及严格遵守《东江环保信息系统应急预案》，以减少网络与信息安全事故的危害。

- **Data and Information Protection**

The Group continuously improves the security prevention management level of information system, network security, data security, user accounts and permissions, and outsourcing service security, classifies the security protection level of computer systems according to the national Administrative Measures for the Graded Protection of Information Security, and regularly conducts security level evaluation at different levels. The Group requires a unified planning of network IP segmentation, prohibit guest terminals from accessing the Company's office network, and the data operation and maintenance department is responsible for ensuring the cross-unit data transportation and processing to ensure the security of the data transportation process. We also regularly carry out network security training and publicity activities to enhance employees' awareness of network security prevention and reduce the risk of data information leakage caused by human factors.

### 7.5 Protecting Intellectual Property Rights

Dongjiang Environmental, as a technology-based environmental protection group, continuously promotes industrial transformation and upgrading through technological innovation. As an important part of technological innovation, intellectual property rights are the core force to maintain the Group's market competitiveness and have been valued and protected by us.

On the basis of complying with the Intellectual Property Law of the People's Republic of China, the Patent Law of the People's Republic of China and the Copyright Law of the People's Republic of China, the Group has formulated internal documents such as the Technical Achievement Management Regulations, and passed the Certificate of Intellectual Property Management System Certification to clearly classify and manage scientific and technological achievements such as patents, trademarks, standards, papers and works. Dongjiang Environmental Research Institute is responsible for the management and implementation of application, maintenance, reporting and other processes. At the same time, in order to motivate technical personnel to forge ahead and strive for innovation, we have set up confidentiality and technical reward regulations for technical achievements to provide reward and support for technical backbones who have made outstanding achievements.

- **数据信息保护**

本集团不断提高信息系统、网络安全、数据安全、用户账户及权限、外包服务安全的安全防范管理水平，依据国家《信息安全等级保护管理办法》对计算机系统安全保护等级进行划分，分级定期开展安全等级测评。本集团要求统一规划网络IP分段，禁止访客终端接入公司办公网络，数据运维部门负责确保跨单位数据运输处理工作，保障数据运输过程安全。我们还定期开展网络安全培训及宣传活动，提升职工网络安全防范意识，减少人为因素带来的数据信息泄露风险。

### 7.5 保护知识产权

东江环保作为一家科技型环保集团，不断通过技术创新推动产业转型升级。知识产权作为科技创新的重要组成部分，是维持本集团市场竞争力的核心力量，一直以来受到我们的重视与保护。

本集团在遵循《中华人民共和国知识产权法》、《中华人民共和国专利法》及《中华人民共和国著作权法》的基础上，制定《技术成果管理规定》等内部文件，并通过《知识产权管理体系认证证书》，对专利、商标、标准、论文著作等科技成果进行明确划分与管理，由东江环保研究院对申请、维护、上报等流程专门负责管理实施。同时，为了激励技术人员锐意进取，至臻创新，我们特设置技术成果保密与技术奖励规定，为取得突出成果的技术骨干提供奖励支持。

## 7 | ENSURING COMPLIANCE OPERATION 确保合规运营

Dongjiang Environmental understands the hard work of every worker and respects the efforts behind each intellectual property. In accordance with the Regulations on Computer Software Protection of the People's Republic of China and other policies, Dongjiang Environmental has formulated the Regulations on the Management of Software Legalization Work based on the business characteristics and actual situation of the Company, actively promotes the implementation of the requirements of the Guangdong Province to carry out software legalization-related work, and regularly reviews and inspects the accounts of IT assets and software authentication to ensure the legality and compliance of the company's software usage. The Group strictly implements a series of intellectual property protection measures, including the unified installation of regulatory servers, desktop terminals and application service software, and the termination of cooperation agreements with non-compliant suppliers and partners to prevent infringement within the Company.

### 7.6 Ensuring Customer Service Quality

Customers are one of the important stakeholders of enterprises and the most direct users of enterprises' products and services. Therefore, Dongjiang Environmental has formulated and implemented a series of regulations, such as the Customer Service Management Implementation Rules, Customer Reception Management Implementation Rules, Customer Complaint Handling Implementation Rules, Customer Information Management Implementation Rules and Customer Satisfaction Survey Procedures, to effectively collect customer opinions and suggestions, and make improvements to the problems, so as to achieve continuous improvement and provide customers with high-quality service experience.

The Group focuses on customer experience at every step of the product and service ordering process, providing comprehensive and professional process services from customer reception to customer complaint handling. We provide personalised services according to the needs of different customers, and support the provision of customised solutions according to customer demands. If a customer complaint is received, we have set a series of standard procedures for efficient handling: after investigation and verification by the customer centre, we urge the department being complained to respond and propose a handling plan within 24 hours. After the investigation is completed, it will be fed back to the customer, and the final solution will be negotiated with the customer to avoid or recover the loss as much as possible.

东江环保理解每一位劳动者的辛勤付出，尊重每一个知识产权背后的努力，东江环保依据《中华人民共和国计算机软件著作权保护条例》等政策，结合公司业务特点与实际情况，制定《软件正版化工作管理规定》，积极推动落实广东省关于开展软件正版化的相关工作要求，定期对IT资产与软件正版化台账审核考察，确保公司软件使用合法合规。本集团严格实行一系列知识产权保护措施，包括监管服务器、桌面终端与应用服务软件的统一安装，对违规供应商与合作夥伴终止合作协议等方式，杜绝公司内部发生侵权事件。

### 7.6 确保服务质量

客户是企业重要的持份者之一，也是企业产品与服务最直接的使用者，因此，东江环保制定并实施《客户服务管理实施细则》、《客户接待管理实施细则》、《客户投诉处理实施细则》、《客户信息管理实施细则》及《顾客满意调查程序》等一系列规范，有效收集客户意见与建议，并针对问题进行改良，以获得持续性提升，为客户提供优质的服务体验。

本集团注重客户订购产品与服务每一步的体验，从客户接待到客诉处理，提供全面专业的流程服务。我们针对不同客户需求提供个性化的服务，支持根据客户诉求提供定制化方案。若收到客户投诉，我们设定了一系列标准流程进行高效处理：由客户中心调查核实后，督促被投诉部门进行响应并在24小时内提出处理方案，调查完毕后反馈给客户，并与客户协商最终解决方案，尽量避免或挽回损失。

During the Reporting Period, we received 4 complaints from customers about products or services, all of which have been followed up and handled in a timely manner, and we have obtained customers' understanding and satisfaction with the results.

本报告期内，我们收到4宗客户有关产品或服务的投诉，均已及时跟进处理，取得客户谅解并对处理结果表示满意。

## 7.7 Improving Sustainable Supply Chain

Dongjiang Environmental is committed to building a sustainable supply chain system, and implements supplier access and approval in accordance with laws and regulations, so as to achieve a win-win situation for all parties in the whole life cycle value chain of products and services.

## 7.7 完善可持续供应链

东江环保致力于打造可持续的供应链体系，依法依规进行供应商准入与准出，实现产品服务全生命周期价值链的多方共赢。

### • Compliant Procurement

The Group strictly follows relevant laws and regulations such as the Government Procurement Law of the People's Republic of China and the Implementation Regulations of the Government Procurement Law of the People's Republic of China, and has formulated internal regulations such as the Measures for Supplier Management, the Bidding Procurement Management Measures, the Non - bidding Procurement Management Measures and the Centralized Procurement Management Measures, which cover construction, equipment and bulk commodity procurement, and regulate supplier behaviour, which includes provisions prohibiting the negotiation of business with potential suppliers alone or outside the workplace during the bidding process, and offering bribes in any form to purchasers and related staff, laying a foundation for the sustainable management of the Group's huge procurement business. In addition, the Group newly issued and implemented the Dongjiang Environmental Company Limited Procurement Management System (Trial), which further clarified the division of responsibilities of the Sunshine Procurement Leading Group and relevant departments and units, implemented hierarchical authority management for procurement projects, and detailed regulations on procurement methods, implementation processes, file management, discipline and supervision to ensure the legal compliance of the whole procurement process.

### • 合规采购

本集团严格遵守《中华人民共和国采购法》、《中华人民共和国政府采购法实施条例》等相关法律法规，内部制定《供应商管理办法》、《招标采购管理办法》、《非招标采购管理办法》及《集中采购管理办法》等规定，内容涵盖工程、设备及大宗商品采购，规范供应商行为，包括禁止不准在招标工作期间单独或在工作场所外与潜在供应商洽谈业务，不能以任何形式向采购人及相关工作人员进行行贿等规定，为本集团庞大的采购业务实现可持续管理奠定制度基础。此外，本集团新印发实施《东江环保股份有限公司采购管理制度（试行）》，进一步明确阳光采购领导小组及各相关部门单位的职责分工，对采购项目实施分级权限管理，将采购方式、实施过程、档案管理、纪律与监督等多方面进行了详细规定，保证采购全流程的合法合规。



## 7

## ENSURING COMPLIANCE OPERATION

## 确保合规运营

- **Supplier Review**

Based on the principle of “comprehensive assessment and merit-based selection”, the Group chooses suppliers from the perspectives of quality, goodwill, production and supply capacity of products and services, and incorporates sustainable development factors such as environmental friendliness, business ethics, occupational health and compliance operation into the scope of consideration, so as to identify, prevent, control and manage the environmental and social risks of the supply chain, and finally identify the suppliers that best match the needs of the Group for cooperation. The Group requires that the machinery and equipment or spare parts provided by suppliers shall comply with relevant national laws and regulations on environmental protection, and shall meet the requirements of ISO14000 environmental system and shall not cause pollution to the construction environment. In addition, the machinery and equipment provided by suppliers must also meet the requirements of OHSMS18000 occupational safety and health management system standards, which cannot harm the health of personnel who are in contact with the machinery and equipment and those who use the equipment after completion.

For new process technologies, process technologies or large-scale constructions projects, the relevant departments or technical departments shall provide new suppliers that can fulfill the technical process requirements, and then submit them to the Procurement Department for inspection. In order to ensure the quality of products and services, for large-scale procurement projects, the Group has a joint inspection mechanism for departments. The relevant departments of procurement, technology, processing, equipment, workshop, finance and other departments jointly conduct on-site inspections of candidate suppliers, and finally obtain the results based on the comprehensive evaluation, and are committed to ensuring the level of suppliers and the fairness and impartiality of the procurement process.

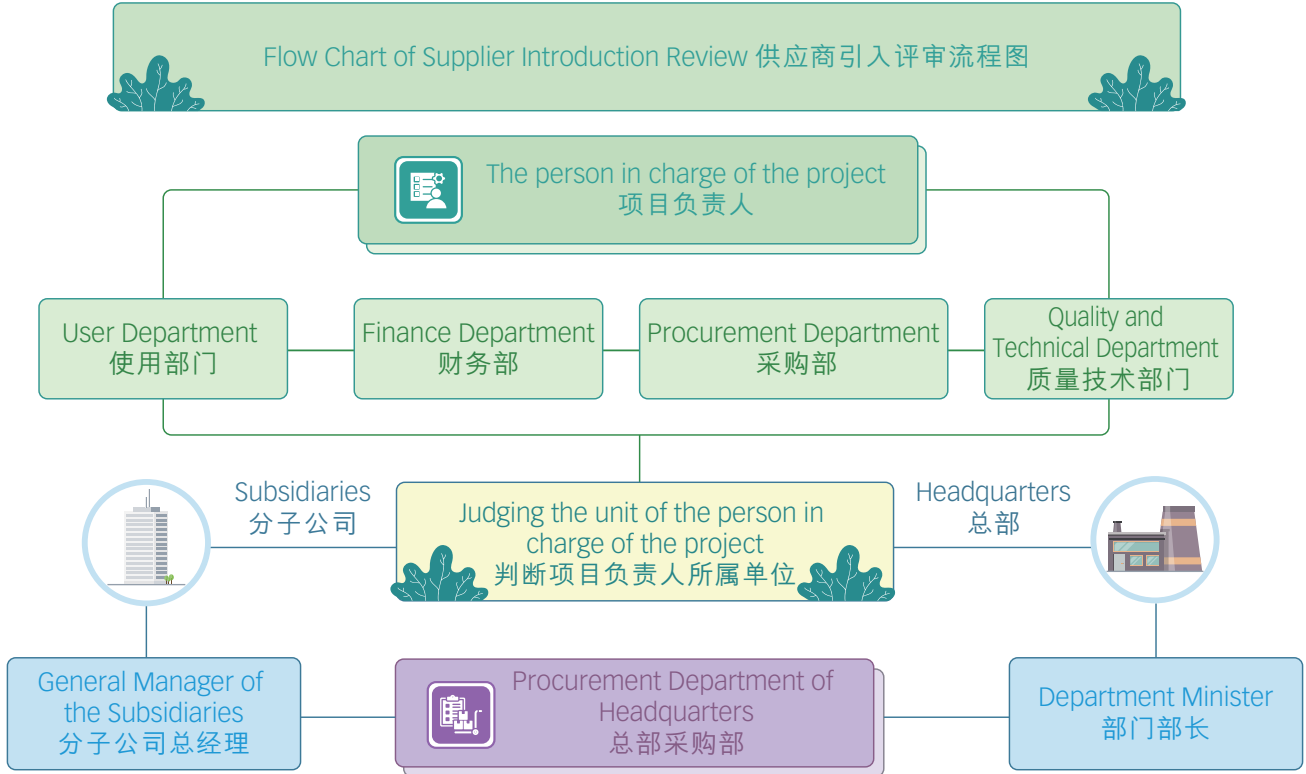
- **供应商审核**

本集团基于「综合评估·择优选择」的原则从供应商提供产品及服务的质量、商誉、生产及供货能力等角度进行筛选，将环境友好、商业道德、职业健康、合规运营等可持续发展因素纳入考量范围，识别、防控及管理供应链的环境及社会风险，最终识别出与本集团需求最为匹配的供应商进行合作。本集团要求供应商提供的机械设备或备品备件须符合国家有关环保法律法规的规定，需要符合ISO14000环境体系要求，不能对施工环境造成污染。此外，供应商提供的机械设备还须符合OHSMS18000职业安全健康管理体系标准的要求，不能对接触机械设备的有关人员及竣工后的使用人员的健康造成危害。

对于新工艺技术、工艺技术或大型建设工程，由相关部门或技术部门提供满足工艺要求的新供应商，再交由采购部进行考察。为确保产品与服务的质量，对于大型采购项目，本集团设有部门联合考察机制，由采购、技术、工艺、设备、车间、财务等相关部门共同对候选供应商进行现场考察，最终根据综合评估得出结果，致力于供应商的水平与采购过程的公平公正。



Flow Chart of Supplier Introduction Review 供应商引入评审流程图



• Supplier Management

Suppliers who are approved to enter the Group’s supply chain must be registered in unified supplier directory. Suppliers and their relevant employees are required to sign integrity agreements. The president of the Company serves as the leader of the Sunshine Procurement Leading group, and suppliers are required to perform their integrity obligations from the procurement side. After signing the contract, we will pay close attention to the performance of supplier contracts and their own development in the long term, improve procurement efficiency and avoid risks, so as to ensure the smooth progress of the Group’s projects.

During the Reporting Period, we had a total of 1,315 suppliers and had implemented the relevant supplier management practices to all of them, of which 1,311 were from Mainland China and 4 were from Hong Kong, China, providing us with services and products regarding design service consultation, equipment and construction.

• 供应商管理

获准进入本集团供应链的供应商需统一对进行名录登记，要求供应商及其相关员工签署廉洁协议书，由公司总裁担任阳光采购领导小组组长，从采购端要求供应商履行廉洁义务。签约完成后，我们将长期密切关注供应商合同履行情况与自身发展状况，提高采购效率并规避风险，确保集团项目能够顺利进展。

本报告期内，我们共有1,315个供应商，已向所有供应商执行有关供应商管理惯例，其中1,311个来自中国内地，4个来自中国香港，为我们提供设计服务咨询、设备及施工等服务及产品。



## 8

## TALENT TEAM BUILDING

## 人才团队建设

Dongjiang Environmental implements the talent concept of “honesty, dedication and contribution” throughout its human resources management. Based on the Labor Law of the People’s Republic of China and other relevant laws and regulations, Dongjiang Environmental practises responsible recruitment, provides market-competitive remuneration and benefits, and continuously improves the training system and performance appraisal system, so that every employee can find the joy of growth in Dongjiang Environmental.

东江环保以「诚实、敬业、贡献」的人才理念贯穿企业人力资源管理工作，在《中华人民共和国劳动法》等相关法律法规的基础上践行负责任招聘，提供有市场竞争力的薪酬及福利待遇，不断完善培训体系和绩效评估体系，让每位员工都能在东江环保找到成长的快乐。

## 8.1 Equal Employment Management

An equal, harmonious and friendly working environment is conducive to enhancing the enthusiasm and happiness of employees and encouraging them to grow together with the Company. The Group strictly abides by the Labor Law of the People’s Republic of China, the Labor Contract Law of the People’s Republic of China, the Law of the People’s Republic of China on the Protection of Minors, the Provisions on the Prohibition of Using Child Labor and other relevant laws and regulations, and has formulated a series of employment-related regulations and measures in accordance with its own characteristics, such as the recruitment and promotion system, working hours, holiday system, remuneration and dismissal, performance appraisal, training and the prevention of child labour and forced labour, in order to safeguard the rights and interests of employees.

## 8.1 平等雇佣管理

平等、和谐及良好的工作环境有助于提升员工积极性与幸福感，鼓励员工与公司共同成长。本集团严格遵守《中华人民共和国劳动法》、《中华人民共和国劳动合同法》、《中华人民共和国未成年人保护法》和《禁止使用童工规定》等相关法律法规，依据自身特点制定关于招聘与晋升体系、工作时长、假期制度、薪酬及解雇、绩效考核、培训及防止童工、强制劳动等一系列雇佣相关规定与措施进行规范，让员工权益等各方面都得到保障。

- Recruitment Management

Excellent talents are the key to maintaining the core competitiveness of an enterprise. In order to retain existing talents and continue to attract new talents, we have continuously improved the talent recruitment process system and the recruitment management level, and based on the Recruitment Management System to regulate employee recruitment, personnel management, remuneration and benefits.

- (1) Diversified recruitment channels: The Group flexibly uses the Company’s official website, third-party recruitment platforms, recruitment agencies, internal recruitment and other methods according to actual business needs, and takes advantages of the characteristics of diversified recruitment channels to attract required talents in a targeted manner.

- 招聘管理

优秀人才是维持企业核心竞争力的关键所在，为了留住现有人才，同时持续吸引新的人才加入，我们不断完善人才招聘流程体系，提升招聘管理水平，并依据《招聘管理制度》，在员工招聘、人事管理和薪酬福利等方面作出规范。

- (1) 招聘渠道多元化：本集团根据实际业务需要，灵活运用公司官网、第三方招聘平台、招聘中介、内部招聘等方式，利用多元化的招聘渠道特点，有针对性地吸纳所需人才。

(2) Responsible recruitment: We practise the principle of “fair, just and open”, respect the career pursuit of each applicant, and match the right talents as much as possible. All qualified candidates will undergo a unified recruitment process and provide equal employment opportunities. During the recruitment process, we promise not to distinguish the gender, age, nationality and race of the candidates, but focus on the comprehensive ability of the candidates in terms of their educational background, work experience, professional knowledge and working ability.

(3) Prohibition of child labor: We strictly review the resumes and relevant certification materials received in accordance with the relevant rules and regulations of the Company, and screen out non-compliant candidates who do not meet the qualification requirements such as age and job qualifications to prevent child labor. In the event of any violation, the Group has the right to immediately terminate the labor contract and hold the relevant responsible persons accountable. During the Year, the Group had no case of employing child labor.

#### • Fair Performance Assessment

The Group continuously improves the employee performance appraisal system and implements corresponding incentive measures based on the appraisal performance. The Group classifies and evaluates the department leaders, managers and employees at the headquarters, adheres to contractual management, and combines goal orientation with result orientation; and adheres to the equal emphasis on incentives and constraints, and combine strong incentives with hard constraints. The results of the performance appraisal will be used as a reference basis for the Group’s evaluation of the performance of its employees and will ultimately be reflected in changes in remuneration, year-end bonuses, job allocation and grade promotions. At the same time, we will give bonuses to some of the outstanding employees to set a benchmark and lead to the healthy competition among employees. In order to prevent improper competition in the assessment process, the Group has established a performance appeal mechanism.

(2) 负责任招聘：我们践行「公平、公正、公开」的原则，尊重每一位应聘者的职业追求，尽最大可能为合适的人才匹配岗位，所有符合条件者均会进行统一的招聘程序，并提供平等的就业机会。在招聘过程中，我们承诺不对应聘者的性别、年龄、国籍、种族等进行区分，而着重从应聘者的学历、工作经验、专业知识、工作能力等综合能力方面考虑。

(3) 禁用童工：我们依据公司相关规章制度对收到的简历及相关证明材料进行严格审查，筛选出年龄、工作资格等不合规应聘者，防止童工问题出现。如发生任何违规情况，本集团有权立即解除劳动合同并追究相关责任。本报告期内，本集团未发生聘用童工的个案。

#### • 公平绩效考核

本集团不断完善员工绩效考核体系，依据考核绩效实施对应的激励措施。本集团对总部部门领导、经理层、员工进行分类分项考核，坚持契约化管理，目标导向与结果导向相结合；坚持激励与约束并重，强激励与硬约束相结合。绩效考核结果将作为参考依据，用于集团对员工表现进行评价，并最终表现在薪酬、年终奖金、岗位调动、职级晋升等变化上。同时，我们会向部分绩效表现突出的员工发放奖金鼓励，树立标杆，引导员工内部良性竞争。为防止考评过程出现不当竞争等情况，本集团设有绩效上诉机制。

## 8

## TALENT TEAM BUILDING

## 人才团队建设

## 8.2 Attaching Importance to the Rights and Interests of Employees

Employees are the foundation of an enterprise, and the sustainable development of the Group depends on the hard work of employees. We provide employees with considerable and reasonable remuneration and benefits, so that employees can experience care and protection in many ways, share the achievements of corporate development, so as to retain existing talents and attract future talents to participate in the development and construction of the Group.

- Compliant Employment System

The Group guarantees that all labor contracts are signed on an equal and voluntary basis between the employer and the employees. In order to ensure that the employees are aware of all the details of the relevant work, the two parties agree in detail on matters such as remuneration and termination basis in the labor contract to avoid misconception and disputes due to information discrepancies. In principle, the Group implements a five-day work system with 40 working hours per week. However, due to the differences in policies and business characteristics in different regions, the Group allows each subsidiary to flexibly adjust their working hours according to the nature of their own production and operation, combined with work needs and relevant regulations.

If violations occur, we will impose internal penalties to avoid forced labor. During the Report Period, there was no forced labor in the Group.

- Employee Welfare Care

In accordance with the relevant provisions of the Labor Law of the People's Republic of China, the Group provides employees with paid holidays such as annual leave, medical leave, marriage leave, funeral leave and parental leave, as well as "five social insurances and two funds", namely basic endowment insurance, unemployment insurance, basic medical insurance, work injury insurance, maternity insurance, housing fund and enterprise annuity. In addition, in order to strengthen the cohesion of employees and thank them for their contributions to the Group, we also provide diversified benefits such as subsidies for high temperature operations, holiday blessings, commercial insurance and rental housing for talents, as well as additional benefits such as annual bonuses in accordance with the Remuneration Management System for our employees.

## 8.2 重视员工权益

员工是企业之本，本集团可持续发展有赖于员工的辛勤付出。我们为员工提供可观合理的薪酬和福利待遇，让员工体验到多方面的关爱与保障，共享企业发展的成果，从而留住现有人才，吸引未来人才参与本集团发展建设。

- 合规雇佣制度

本集团承诺签订的所有劳动合同均在雇主和雇员平等自愿的情况下签订，为确保雇员清楚有关工作的全部细节，双方在劳动合同中详细约定薪酬、终止依据等事项，避免因信息差导致的误会与纠纷。原则上本集团实行五天工作制，每周工作40小时，但由于不同地区的政策、业务特点等不同，本集团允许各所属单位根据自身生产经营性质，结合工作需要和相关法规，弹性调整工作时间。

如有违规情况发生，我们将进行内部处责，以避免强制劳工情况发生。本报告期内，本集团未出现强制劳工情况。

- 员工福利关爱

本集团依照《中华人民共和国劳动法》的相关规定，向员工提供年假、医疗期、婚假、丧假、育儿假等有薪假期，以及「五险二金」，即基本养老保险、失业保险、基本医疗保险、工伤保险、生育保险、住房公积金和企业年金。此外，为加强员工凝聚力，感谢他们对本集团的贡献，我们还提供高温作业补贴、节日祝福、商业保险、人才配租房等多元化的福利，并依据《薪酬管理制度》为员工提供年度奖金等额外福利待遇。

- **Caring for Employees' Physical and Mental Health**

The Group cares about the physical and mental health of employees and enriches their spare time through various activities. On important traditional holidays such as the Chinese New Year, Dragon Boat Festival and Mid-Autumn Festival each year, the Group will distribute festive gifts to employees and send them holiday greetings. On Women's Day each year, we accompany female employees to celebrate the festival in the form of distributing gifts or organising activities, creating a harmonious and positive working atmosphere, so that every employee can work in a friendly space and grow by hardworking. This Year, Dongjiang Environmental has held a series of special projects such as the Enjoy Reading in Dongjiang reading activity, the Top Ten Care Measures for Employees, the Dongjiang Shuidi mutual fund, and the first Everyone Is Teacher micro-class competition, so as to truly do practical things and send warmth to employees.

- **Safeguarding Women's Rights and Interests**

The Group has always supported the protection of women's rights and interests and formulated a series of measures to protect female employees. The Trade union of the Group has set up a mother-and-baby room at the headquarters, which is cleaned and managed by dedicated personnel, and formulated the "Management Measures for the Mother-and-Baby Room", to provide comfortable services for the female employees of the Group. In addition, we also provide maternity leave (paternity leave), prenatal check-up leave, breastfeeding leave, family planning leave, parental leave and other welfare holidays to show the Company's respect and protection of women's rights and interests in many aspects.

- **关注员工身心健康**

本集团关爱员工身心健康发展，通过多种活动方式丰富员工的业余生活。每年春节、端午节及中秋节等重要传统节日，本集团都会发放节日礼品，向员工送上节日的问候。每年妇女节，我们以发放慰问品或举办活动的形式陪伴女性员工庆祝节日，营造和谐积极的工作氛围，让每位员工在友爱中工作，在奋斗中成长。本年度，东江环保通过举办“书享东江”阅读活动、“职工三最十项关爱举措”、“东江水滴”互助金、首届「人人师」微课大赛等一系列特色项目，真正把实事办好，把好事办实、切切实实把温暖送到职工心坎上。

- **维护女性权益**

本集团一贯支持保障女性权益，制定了一系列措施为女性员工保驾护航。本集团工会在总部设立母婴关爱室，由专人清洁管理，并配套制定了《母婴关爱室管理办法》，为本集团广大女性员工提供了舒适的服务，此外，我们还提供产假（陪产假）、产检假、哺乳假、计划生育假、育儿假等福利假期，从多方面展现公司对女性权益的尊重与保护。

# 8 | TALENT TEAM BUILDING 人才团队建设

## 8.3 Comprehensive Training Mechanism

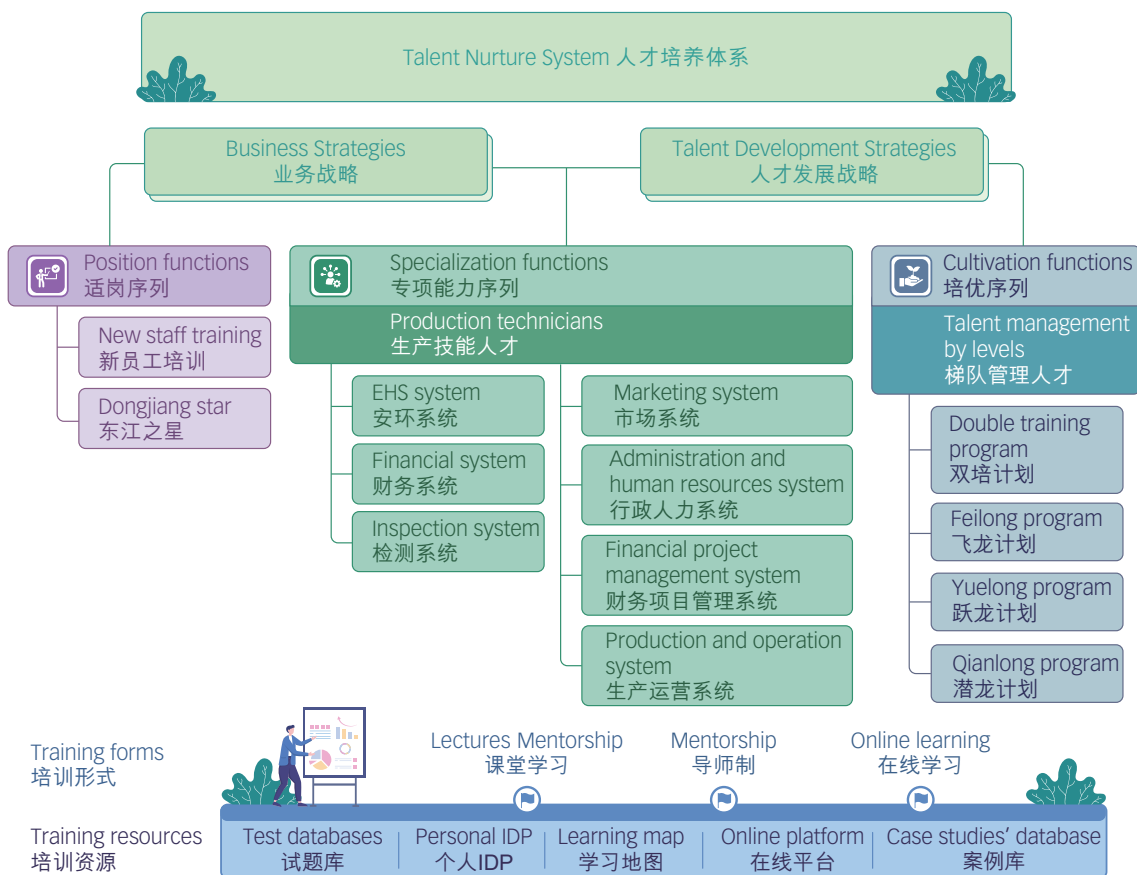
Excellent talents are an important part of the core competitiveness of an enterprise. The Group attaches great importance to talent nurture and has established a talent nurture system that combines professional capabilities and leadership. Through the classified training model of "regular training + special training", the Group has carried out comprehensive improvement and training for employees of different ranks and positions. Employees are developed and promoted according to the production sequence, technical sequence, market sequence and functional sequence, so as to cultivate and motivate talents to make continuous progress.

During the Year, the Group carried out Dongjiang Environmental's "Flying Dragon Project 2023" training programme, the Three Refinement management training meeting, 2023 Dongjiang Star training course and the theme learning activity "Taking a Course and Reading a Book Together" for the year 2023, through a wide range of diverse, informative and extensive training activities to deepen the construction of a learning organization and further enhance the capability of cadres and staff, and achieve high-quality development of the Company.

## 8.3 全面培训机制

优秀的人才是企业核心竞争力的重要组成部分，本集团高度重视人才培养，建立专业能力与领导力相结合的人才培养体系，通过「常规培训+专项培训」的分类培训模式，对不同职级、岗位的员工进行全方面提升培养，按照生产序列、技术序列、市场序列、职能序列发展晋升，培养并激励人才不断进步。

本年度，本集团开展东江环保「飞龙计划」2023培训项目及「三精」管理培训会、东江之星2023培训班，2023「同学一门课 共读一本书」主题学习活动通过形式多样、内容丰富、范围广阔的培训活动，深化学习型组织建设，进一步提升干部、员工队伍素质能力，实现公司高质量发展。





TALENT TEAM BUILDING  
人才团队建设

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Examples of Training Activities in 2023  
2023年培训活动案例



Activity Name 活动名称	Purposes of the Event 活动目的	Participants 参与对象
Concentrate the "New" and Gather Their strengths, Build up a Head of Steam – 2022-2023 Dongjiang Star Training Course 凝「新」聚力蓄势待发2022-2023届东江之星培训班	Helping new university graduates in the past two years to strengthen their professionalism and fully integrate into the work of the company 帮助近两年来新入职的大学毕业员工强化职业素养，全面融入企业工作	More than 30 employees of subsidiaries in Guangdong Province 广东省内所属企业的30余名员工
Dongjiang Environmental's "Flying Dragon Project 2023" Training Programme 东江环保「飞龙计划2023」培训项目	Further strengthen the cultivation of the Party spirit among cadres, enhance the ability and sensitivity of insight into industry trends, and stimulate the idea of exploration of business innovation, transformation and breakthrough 进一步加强干部党性修养，提升洞察行业趋势能力与敏锐度，激发探索业务创新及转型突破的思路	More than 40 members of the leadership and regional market managers of each business departments and subsidiaries 各事业部、分子公司领导班子成员及市场大区经理40余人



Concentrate the "New" and Gather Their strengths, Build up a Head of Steam - 2022-2023 Dongjiang Star Training Course  
凝「新」聚力蓄势待发2022-2023届东江之星培训班



Dongjiang Environmental's "Flying Dragon Project 2023" Training Programme  
东江环保「飞龙计划2023」培训项目



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## TALENT TEAM BUILDING

## 人才团队建设

## 8.4 Safety and Health System

Occupational health and safety, as a fundamental employee's right, is closely related to employees' sense of security, happiness and work efficiency. The Group has formulated a series of rules and regulations to ensure that employees work in a safe environment.

- Occupational Health and Safety Management

- (1) Occupational health and safety management system

The Group strictly abides by the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, Measures for the Administration of Occupational Safety Inspections, the Regulations on Labour Protection in Workplaces Where Toxic Substances Are Used, the Production Safety Law of the People's Republic of China and the Environmental Protection Law of the People's Republic of China and other relevant laws and regulations. Based on its own business characteristics and actual conditions, the Group has formulated the Occupational Health Management Regulations and the Workplace and Behavior Safety Management Regulations. Taking source prevention, process control and risk elimination as the three main focuses, the Group strictly implements safety requirements and management for the production areas, work workshops, facilities and equipment, and defines the scope of occupational health and safety management of each business department and makes detailed regulations.

In addition, the Group's headquarters has set up a Safety and Environmental Protection Department to comprehensively manage the Company's occupational health work, including improving and implementing the Company's occupational health and safety system, supervising and evaluating the occupational health and safety work of subordinate units, and jointly building an occupational health and safety hierarchical management system with the human resources department of the headquarters to maintain the effective operation of occupational health management institutions, continuously refining the content of employee occupational health training, and improving the Group's occupational health management level.

## 8.4 安全健康体系

职业健康安全作为一项基础员工权利，与员工安全感、幸福感与工作效率密切相关。本集团制定了一系列规章制度，确保员工在安全环境下工作。

- 职业健康安全管理

- (1) 职业健康安全管理规定

本集团严格遵守《中华人民共和国职业病防治法》、《职业安全健康管理实施办法》、《使用有毒物品作业场所劳动保护条例》、《中华人民共和国安全生产法》及《中华人民共和国环境保护法》等相关法律法规，根据自身业务特点与实际状况，制定《职业健康管理规定》与《工作场所和行为安全管理规定》，以源头预防、过程控制、风险消除为三大抓手，对集团所属的生产区、工作车间、设施设备等进行严格安全要求与管理，并对各业务部门职业健康安全管理划定范围并作出详细规定。

此外，本集团总部设立安全环保部，全面负责管理公司职业健康工作，包括健全与实行公司职业健康安全制度，监督考核下属单位职业健康安全工作，连同总部人力资源部共同搭建职业健康安全分级管理体系，维持职业健康管理机构有效运转，不断细化员工职业健康培训内容，提高集团职业健康管理水平。

During the Reporting Period, the number of days lost due to work-related injuries of the Group was 848, and there were no serious accidents involving work-related casualties. The number and rate of work-related fatalities in each of the past three years were zero.

## (2) Occupational health and safety training

In order to improve employees' awareness of safe production and enhance the Group's health and safety production level, according to the business characteristics and needs of each department, the Company has formulated the details of the contents of the relevant occupational health and safety training, including education on occupational disease prevention and control laws and regulations, professional knowledge on occupational health and safety, self-rescue and mutual-rescue skills, education on the knowledge of post-labour protection, the instructions of the use of protective gear, and emergency response in case of accidents. Occupational health training is an important part of occupational health. The Group requires every new employee to receive occupational health training before employment, and regularly conducts occupational health training for existing employees.

### • Free Occupational Health Examination

The Group cares about the physical condition of its employees and supports their work in a safe and healthy manner. Free physical examinations are provided to all employees every year. Employees can take different items for examination according to their needs, including special examinations for men and women. During the Reporting Period, among the Group's employees who were exposed to occupational disease hazards, 459 participated in pre-job physical examination, 2,567 participated in on-the-job physical examination, and 399 participated in off-the-job physical examination. There were no suspected occupational diseases or occupational cases reported by employees in the Group throughout the Year.

本报告期内，本集团因工伤损失的日数为848天，未发生员工因工伤亡的严重事故，过去三年每年因工死亡的人数及比率均为零。

## (2) 职业健康安全培训

为提高员工安全生产意识，提升集团健康安全生产水平，根据各部门业务特点与需求，本公司制定相关职业健康安全培训内容细则，包括职业病防治法规教育、职业健康安全专业知识、自救互救技能、岗位劳动保护知识教育、防护用具使用方法、事故应急处理等。职业卫生培训作为职业健康的重要组成部分，本集团要求每一位新员工在入职前接受职业卫生培训，同时对在职员工定期开展职业卫生培训工作。

### • 免费职业健康体检

本集团关爱员工身体情况，支持员工平安健康开展工作，每年面向全体员工开展免费体检活动，员工可根据自身需要选择不同的项目进行检查，包括男性和女性的专科检查。本报告期内，本集团接触职业病危害因素的员工中有459人参加岗前体检、2,567人参加岗中体检、399人参加离岗体检。本集团全年没有员工上报疑似职业病或职业病报告。



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## TALENT TEAM BUILDING

## 人才团队建设

Emotional Stress Management Training  
情绪压力管理培训

In March 2023, in order to further strengthen the physical and mental health management and improve the psychological quality of employees, so as to let them better cope with various challenges in work and life, maintain a good mentality and a healthy body, the Group carried out special training on “Mandatory Emotions and Stress Management in the Workplace”, and held lectures on emotional counselling and stress relief for all employees at the headquarters to help employees maintain a good mentality and full enthusiasm in dealing with challenges and pressures in life and work.

2023年3月，为进一步加强员工的身心健康管理，提高员工心理素质，从而更好地应对工作、生活中的各种挑战，保持良好的心态和健康的身体，本集团开展「职场必备情绪与压力管理」专题培训，面向总部全体员工进行情绪疏导与压力排解讲座，帮助员工在应对生活和工作中的挑战与压力时，能够保持良好的心态和饱满的热情。

## GIVING BACK TO SOCIETY 热心回馈社会

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While continuously achieving breakthroughs in its own rapid development, Dongjiang Environmental never forgets to give back to the society, fulfils its social responsibility as a state-owned environmental protection enterprise, shares the development dividend of the Group with the public, and makes efforts to contribute to achievement of the “UN Sustainable Development Goal 1: No Poverty, end poverty in all its forms everywhere” based on our own business characteristics, we have made public welfare investments in basic education, recycling, environmental protection education, water supply and other aspects to care for disadvantaged groups and contributing to the construction of a beautiful China. During the Year, Dongjiang Environmental has donated a total of CNY370,000 to support poverty alleviation efforts.

东江环保在自身快速发展，不断取得突破性成就的同时，不忘回馈社会，履行作为一家国有环保企业的社会责任，与社会公众分享集团发展红利，协助实现「联合国可持续发展目标1—无贫穷，在全世界消除一切形式的贫困」。我们根据自身业务特点，在基础教育、回收利用、环保教育、水源供给等多个方面进行公益投入，关爱弱势群体，助力建设美丽中国。本年度，东江环保扶贫捐赠款项共人民币37万元。

### 9.1 Caring for Special Children

On 30 June 2023, the Third Party Branch directly under Dongjiang Environmental and the Party Branch of Baoan Dongjiang went to the Jinwawa Children’s Care Centre of Bao’an District, Shenzhen to carry out the volunteer service activity of “Caring for Special Children and Spreading Love on Earth”, learned about the development of education in the school, interacted with the children and presented them loving gift packages.

### 9.1 关爱特殊儿童

2023年6月30日，东江环保直属第三党支部与宝安东江党支部前往深圳市宝安区金娃娃儿童关爱中心，开展「关爱特殊儿童，让爱洒满人间」志愿服务活动，了解学校教育发展情况，与孩子们互动交流，赠送爱心礼包。



Dongjiang Environmental presented gift packages for special children  
东江环保为特殊儿童赠送爱心礼包

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## GIVING BACK TO SOCIETY

## 热心回馈社会

## 9.2 Promoting Environmental Protection Education

In August 2023, Dongjiang Environmental held a series of National Ecology Day themed activities: the Company used Dongjiang Environmental Smart Environmental Protection Exhibition Hall as the medium to popularise environmental protection to more than 20 children and their parents from the community; Baoan Dongjiang, a subsidiary, joined hands with Shenzhen Spring Environmental Protection Volunteer Association to arrange for professionals to take samples on site and explain the principles, interacted with the audience in the form of ecological knowledge quizzes, and popularised green environmental protection knowledge; Qianhai Dongjiang Jieyang Branch, a subsidiary, organised parent-child families of the company to visit the Jieyang urban garbage disposal site, and carried out waste creation activities to enhance environmental protection awareness in a fun and educational way.

## 9.2 推广环保教育

2023年8月，东江环保举办系列全国生态日主题活动：本公司以东江环保智慧环保展厅为媒介，对来自社区的20余名儿童及其家长进行环保科普；所属企业宝安东江联合深圳市绿源环保志愿者协会安排专业人员现场取样并讲解原理，以生态知识竞答的方式与观众进行互动，普及绿色环保知识；所属企业前海东江揭阳分公司，组织公司亲子家庭参观揭阳市区垃圾处理场，开展废弃物创作活动，寓教于乐，提升环境保护意识。



Dongjiang Environmental conducted environmental popularisation for children and parents  
东江环保为孩子和家长进行环保科普



Dongjiang Environmental held ecological knowledge quizzes  
东江环保举办生态知识竞答



Dongjiang Environmental organised family outdoor visits for employees  
东江环保组织员工家庭户外考察





GIVING BACK TO SOCIETY  
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9.3 Accompanying the Elderly

On 19 August 2023, the First Party Branch and the Second Party Branch directly under Dongjiang Environmental and the Party Branch of Huateng Environmental carried out a special volunteer activity of "Respecting and Caring for the Elderly and Keeping the Elderly Warm" in the Shenzhen Nanshan District Social Welfare Centre Phase II, listened to the stories of the elderly people's struggles in their glorious years, accompanied them in making handicrafts, so as to cultivate the younger generation to pass on the red spirit and let the elderly people feel the solace of the heart at the same time.

9.3 陪伴老年群体

2023年8月19日，东江环保直属第一、第二党支部与华藤环境党支部在深圳市南山区社会福利中心二期，开展「敬老护老情暖相伴」特色志愿活动，聆听老人峥嵘岁月的奋斗往事，陪伴他们制作手工艺品，培养年轻一代传承红色精神的同时，让老人们感受到心灵的慰藉。



Dongjiang Environmental went to the community to care for the elderly  
东江环保走入社区关爱慰问老人们





## APPENDIX I: KPI DATA TABLE

## 附录一：关键绩效指标数据表



Environmental Subject Area <sup>1</sup> 环境范畴 <sup>1</sup>	Unit 单位	2023 2023年度
<b>Air pollutants<sup>2</sup> 空气排放物<sup>2</sup></b>		
Nitrogen oxides (NO <sub>x</sub> ) 氮氧化物(NO <sub>x</sub> )	Tonnes 公吨	103.70
Sulphur oxides (SO <sub>x</sub> ) 硫氧化物(SO <sub>x</sub> )	Tonnes 公吨	26.71
Particulate matter (PM) 颗粒物(PM)	Tonnes 公吨	10.86
<b>Greenhouse Gas Emission<sup>3</sup> 温室气体排放量<sup>3</sup></b>		
Direct GHG emissions (Scope 1) 直接温室气体排放(范围1)	Tonnes of CO <sub>2</sub> e 公吨二氧化碳当量	39,028.60
Direct GHG removals (Scope 1) (tree planting) 直接温室气体减除(范围1)(树木种植)	Tonnes of CO <sub>2</sub> e 公吨二氧化碳当量	7.91
Indirect GHG emissions (Scope 2) 间接温室气体排放(范围2)	Tonnes of CO <sub>2</sub> e 公吨二氧化碳当量	88,580.32
Total GHG emissions (Scope 1 & 2) 温室气体排放总量(范围1及2)	Tonnes of CO <sub>2</sub> e 公吨二氧化碳当量	127,601.01
Total GHG emissions intensity (per square meter) 温室气体排放强度(每平方米)	Tonnes of CO <sub>2</sub> e/m <sup>2</sup> 公吨二氧化碳当量/平方米	0.07

<sup>1</sup> The environmental KPIs cover the Group's headquarters' office building in Shenzhen and the office and plants of the sixteen main subsidiaries of the Group, including Baoan Dongjiang, Jiangmen Dongjiang, Huizhou Dongjiang, Qingyuan Xinlv, Kunshan Treatment, Zhuhai Yongxingsheng, Shaoguan Dongjiang, Jiangsu Dongjiang, Wosen Environmental, Jiangxi Dongjiang, Qianhai Dongjiang, Humen Green, Xiantao Dongjiang, Huabao Technology, Renewable Energy, and Xiongfeng Environmental.

<sup>2</sup> Including stationary sources and air emissions from vehicles.

<sup>3</sup> According to ISO 14064 of Greenhouse Gas Emissions Standard, direct GHG emissions (Scope 1) are the emissions directly owned and controlled by the Group, such as emissions from fixed equipment (including offices and plants), motorcade and refrigerant; indirect GHG emissions (Scope 2) are the energy indirect emissions, such as the electricity purchased from power companies (including offices and plants).

<sup>1</sup> 环境范畴数据涵盖本集团深圳总部办公大楼及本集团旗下16家主要子公司的办公室及车间，包括宝安东江、江门东江、惠州东江、清远新绿、昆山净化、珠海永兴盛、韶关再生资源、江苏东江、沃森环保、江西东江、前海东江、虎门绿源、仙桃东江、华保科技、再生能源、雄风环保。

<sup>2</sup> 包括固定源及车辆产生的空气排放物。

<sup>3</sup> 根据ISO 14064温室气体盘查标准，直接温室气体排放(范畴一)针对直接来自于组织所拥有及控制的排放源，如自身所拥有的固定设备(包括办公室和车间)、交通工具及制冷剂的排放；间接温室气体排放(范畴二)针对能源间接排放源，如购入电力而造成间接之温室气体排放(包括办公室和车间)。

## APPENDIX I: KPI DATA TABLE

### 附录一：关键绩效指标数据表



Environmental Subject Area <sup>1</sup> 环境范畴 <sup>1</sup>	Unit 单位	2023 2023年度
<b>Energy Consumption</b> 能源消耗		
Total purchased electricity 总外购电力	MWh 兆瓦时	103,817.52
Total purchased electricity intensity (per square metre) 总外购电力强度(每平方米)	MWh/m <sup>2</sup> 兆瓦时/平方米	0.06
Natural gas consumption 天然气消耗量	Ten thousand m <sup>3</sup> 万立方米	903.99
Amount of diesel consumed by fixed equipment 固定设备耗用的柴油量	Liters 公升	6,629,413.12
Amount of diesel consumed by motorcade 车队耗用的柴油量	Liters 公升	493,879.10
Amount of gasoline consumed by motorcade 车队耗用的汽油量	Liters 公升	134,116.35
Steam 蒸气	Tonnes 公吨	70,961.73
<b>Water Consumption</b> 水源消耗		
Total water consumption 总耗水量	m <sup>3</sup> 立方米	646,610.65
Total water consumption intensity (per square meter) 总耗水强度(每平方米)	m <sup>3</sup> /m <sup>2</sup> 立方米/平方米	0.35
<b>Hazardous Waste<sup>4</sup></b> 有害废弃物 <sup>4</sup>		
Hazardous waste production 有害废弃物产量	Tonnes 公吨	29,754.20
Hazardous waste production intensity (per square meter) 有害废弃物产量强度(每平方米)	Tonnes/m <sup>2</sup> 公吨/平方米	0.02

<sup>4</sup> Hazardous waste includes ash, slag from incineration, waste liquid from laboratory, waste oil, waste oil barrel and waste catalyst, etc.

<sup>4</sup> 有害废弃物包括焚烧飞灰、焚烧炉渣、化验室废液、废机油、废机油空桶及废催化剂等。



## APPENDIX I: KPI DATA TABLE

### 附录一：关键绩效指标数据表



Environmental Subject Area <sup>1</sup> 环境范畴 <sup>1</sup>	Unit 单位	2023 2023年度
<b>Non-hazardous Waste<sup>5</sup> 无害废弃物<sup>5</sup></b>		
Non-hazardous waste production 无害废弃物产量	Tonnes 公吨	29,799.15
Non-hazardous waste production intensity (per square meter) 无害废弃物产量强度(每平方米)	Tonnes/m <sup>2</sup> 公吨/平方米	0.02
<b>Paper Consumption 纸张消耗</b>		
Paper consumption 纸张消耗	Tonnes 公吨	8.08
Paper consumption intensity (per employee) 纸张消耗强度(每名员工)	Tonnes/employee 公吨/员工	0.0038
<b>Total Amount of Packaging Material Used in Finished Products 制成品所用包装材料的总量</b>		
Cardboard box 纸箱	kg 千克	350.00
Paper 纸张	kg 千克	135.00
Packaging bag 包装袋	kg 千克	37,273.20
Tons of bags 吨袋	kg 千克	12,645.15
Plastic 塑料	kg 千克	30.00
Wooden box 木箱	kg 千克	24,220.00

<sup>5</sup> Non-hazardous waste includes domestic waste, sludge, wastepaper, waste plastic, etc.

<sup>5</sup> 无害废弃物包括生活垃圾、污泥、废纸、废塑料等。

## APPENDIX I: KPI DATA TABLE

### 附录一：关键绩效指标数据表



Social Subject Area 社会范畴	Unit 单位	2023 2023年度
Total employees 雇员总数	No. of people 人数	4,271
<b>Employees by Gender 按性别划分的雇员</b>		
Female employees 女性雇员	No. of people 人数	1,010
Male employees 男性雇员	No. of people 人数	3,261
<b>Employees by Employment Category 按职位类型划分的雇员</b>		
Junior employees 初级雇员	No. of people 人数	3,906
Intermediate management 中级管理层	No. of people 人数	275
Senior management 高级管理层	No. of people 人数	90
<b>Employees by Age Group 按年龄组别划分的雇员</b>		
Below 30 30岁以下	No. of people 人数	664
30-50 30-50岁	No. of people 人数	2,755
Over 50 50岁以上	No. of people 人数	852



## APPENDIX I: KPI DATA TABLE

### 附录一：关键绩效指标数据表



Social Subject Area 社会范畴	Unit 单位	2023 2023年度
<b>Employees by Geographical Region 按地区划分的雇员</b>		
North China 华北区域	No. of people 人数	157
East China 华东区域	No. of people 人数	1,395
Central China 华中区域	No. of people 人数	483
Northwest China 西北区域	No. of people 人数	76
South China 南方区域	No. of people 人数	2,159
Other locations (including Hong Kong, Macau, Taiwan) 其他区域(包括港澳台)	No. of people 人数	1
<b>Employee Turnover Rate<sup>6</sup> 雇员流失率<sup>6</sup></b>		
Total employee turnover rate 雇员总流失率	% %	19.02
<b>Employee Turnover Rate by Gender 按性别划分的雇员流失率</b>		
Female employees 女性雇员	% %	18.94
Male employees 男性雇员	% %	19.04

<sup>6</sup> Calculation method = number of employees turnover ÷ (number of employees turnover + annual number of employees) × 100%.

<sup>6</sup> 计算方法：流失雇员人数 ÷ (流失雇员人数 + 年终雇员人数) × 100%。

**APPENDIX I: KPI DATA TABLE**  
附录一：关键绩效指标数据表



Social Subject Area 社会范畴	Unit 单位	2023 2023年度
<b>Employee Turnover Rate by Age Group 按年龄组别划分的雇员流失率</b>		
Below 30 30岁以下	%	29.14
30-50 30-50岁	%	17.86
Over 50 50岁以上	%	13.95
<b>Employee Turnover Rate by Geographical Region 按地区划分的雇员流失率</b>		
North China 华北区域	%	22.66
East China 华东区域	%	17.21
Central China 华中区域	%	21.21
Northwest China 西北区域	%	16.48
South China 南方区域	%	24.13
Other locations (including Hong Kong, Macau, Taiwan) 其他区域(包括港澳台)	%	50.00
<b>Employee training rate<sup>7</sup> 雇员培训率<sup>7</sup></b>		
<b>Percentage of Employees Training by Gender 按性别划分的受训雇员百分比</b>		
Female employees 女性雇员	%	23.65
Male employees 男性雇员	%	76.35

<sup>7</sup> Calculation method: The percentage of employees trained in this category = the number of employees trained in this category ÷ the total number of employees trained × 100%.

<sup>7</sup> 计算方法：该类别的员工受训百分比 = 该类别的员工受训人数 ÷ 受训员工总人数 × 100%。





## APPENDIX I: KPI DATA TABLE

### 附录一：关键绩效指标数据表



Social Subject Area 社会范畴	Unit 单位	2023 2023年度
<b>Percentage of Employees Trained by Employee Category 按职位类型划分的受训雇员百分比</b>		
Junior employees 初级雇员	%	91.45
Intermediate management 中级管理层	%	6.44
Senior management 高级管理层	%	2.11
<b>Average Training Hours Completed per Employee by Gender 按性别划分的每名雇员平均培训时数</b>		
Female employees 女性雇员	Hours 小时	10.45
Male employees 男性雇员	Hours 小时	40.54
<b>Average Training Hours Completed per Employee by Employee Category 按职位类型划分的每名雇员平均培训时数</b>		
Junior employees 初级雇员	Hours 小时	49.43
Intermediate management 中级管理层	Hours 小时	7.98
Senior management 高级管理层	Hours 小时	2.21

## APPENDIX I: KPI DATA TABLE

### 附录一：关键绩效指标数据表




Social Subject Area 社会范畴	Unit 单位	2023 2023年度
<b>Occupational Health and Safety 职业健康和安</b>		
Number of work-related fatalities in each of the past three years (2021, 2022, 2023) 过去三年(2021、2022、2023年)每年因工亡故的人数	No. of people 人数	0
Percentage of work-related fatalities in each of the past three years (2021, 2022, 2023) 过去三年(2021、2022、2023年)每年因工亡故的比率	% %	0
<b>Anti-corruption 反贪污</b>		
Concluded legal cases regarding corrupt practices brought against the Group or its employees 对本集团或雇员提出并已审结的贪污诉讼案件数目	Case 宗	0



## APPENDIX II: CONTENT INDEX OF THE ESG REPORTING GUIDE

### 附录二：《环境、社会及管治报告指引》内容索引



Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
A. Environmental Subject Area 环境范畴			
A1: Emissions 排放物  	General disclosure 一般披露	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. 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。	6. Comprehensive Environmental Business 6. 全面环境业务
	A1.1	The types of emissions and respective emission data. 排放物种类及相关排放数据。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	A1.2	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). 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)。	6.3 Implementation of Low – Carbon Management 6.3 实施低碳管理 Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 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)。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 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)。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	A1.5	Description of emissions target(s) set and steps taken to achieve them. 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。	6.3 Implementation of Low – Carbon Management 6.3 实施低碳管理
	A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them. 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。	6.2 Fulfilling Environmental Protection Operation 6.2 践行环保运营

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## 附录二：《环境、社会及管治报告指引》内容索引





Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
A2: Use of Resources 资源使用  	General Disclosure 一般披露	Policies on the efficient use of resources, including energy, water and other raw materials. 有效使用资源（包括能源、水及其他原材料）的政策。	6.1 Intensive Engagement in Environmental Protection Services 6.1 深耕环保服务 6.2 Fulfilling Environmental Protection Operation 6.2 践行环保运营
	A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility). 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）。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility). 总耗水量及密度（如以每产量单位、每项设施计算）。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them. 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。	6.2 Fulfilling Environmental Protection Operation 6.2 践行环保运营
	A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them. 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取的步骤。	6.2 Fulfilling Environmental Protection Operation 6.2 践行环保运营
	A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. 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。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表



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### 附录二：《环境、社会及管治报告指引》内容索引




Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
A3: The Environment and Natural Resources 环境及天然资源 	General Disclosure 一般披露	Policies on minimizing the issuer's significant impact on the environment and natural resources. 减低发行人对环境及天然资源造成重大影响的政策。	6.1 Intensive Engagement in Environmental Protection Services 6.1 深耕环保服务 6.2 Fulfilling Environmental Protection Operation 6.2 践行环保运营
	A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them. 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。	6.1 Intensive Engagement in Environmental Protection Services 6.1 深耕环保服务 6.2 Fulfilling Environmental Protection Operation 6.2 践行环保运营
A4: Climate Change 气候变化 	General Disclosure 一般披露	Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer. 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宜的政策。	6.4 Preventing Climate Risks 6.4 防范气候风险
	A4.1	Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them. 描述已经及可能会对发行人产生影响的重大气候相关事宜，及应对行动。	6.4 Preventing Climate Risks 6.4 防范气候风险

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附录二：《环境、社会及管治报告指引》内容索引





Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
<b>B. Social Subject Area</b> 社会范畴			
B1: Employment 雇佣 	General Disclosure 一般披露	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. 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。	8.1 Equal Employment Management 8.1 平等雇佣管理 8.2 Attaching Importance to the Rights and Interests of Employees 8.2 重视员工权益
	B1.1	Total workforce by gender, employment type (for example, full-or part-time), age group and geographical region. 按性别、雇佣类型(如全职或兼职)、年龄组别及地区划分的员工总数。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	B1.2	Employee turnover rate by gender, age group and geographical region. 按性别、年龄组别及地区划分的员工流失比率。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表



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### 附录二：《环境、社会及管治报告指引》内容索引





Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
B2: Health and Safety 健康与安全  	General Disclosure 一般披露	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. 有关提供安全工作环境及保障员工避免职业性危害的：(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。	7.1 Building a Safety System 7.1 打造安全体系 8.4 Safety and Health System 8.4 安全健康体系
	B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year. 过去三年(包括汇报年度)每年因工亡故的人数及比率。	8.4 Safety and Health System 8.4 安全健康体系 Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	B2.2	Lost days due to work injury. 因工伤损失工作日数。	8.4 Safety and Health System 8.4 安全健康体系 Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored. 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。	8.4 Safety and Health System 8.4 安全健康体系
B3: Development and Training 发展及培训  	General Disclosure 一般披露	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. 有关提升员工履行工作职责的知识及技能的政策。描述培训活动。	8.3 Comprehensive Training Mechanism 8.3 全面培训机制
	B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management). 按性别及员工类别(如高级管理层、中级管理层等)划分的受训员工百分比。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	B3.2	The average training hours completed per employee by gender and employee category. 按性别及员工类别划分，每名员工完成受训的平均时数。	Appendix I: KPI Data Table 附录一：关键绩效指标数据表

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附录二：《环境、社会及管治报告指引》内容索引



Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
B4: Labour Standard 劳工准则  	General Disclosure 劳工准则	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour. 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。	8.1 Equal Employment Management 8.1 平等雇佣管理
	B4.1	Description of measures to review employment practices to avoid child and forced labour. 描述检讨招聘惯例的措施以避免童工及强制劳工。	8.1 Equal Employment Management 8.1 平等雇佣管理
	B4.2	Description of steps taken to eliminate such practices when discovered. 描述在发现违规情况时消除有关情况所采取的步骤。	8.1 Equal Employment Management 8.1 平等雇佣管理
B5: Supply Chain Management 供应链管理  	General Disclosure 一般披露	Policies on managing environmental and social risks of the supply chain. 管理供应链的环境及社会风险政策。	7.7 Improving Sustainable Supply Chain 7.7 完善可持续供应链
	B5.1	Number of suppliers by geographical region. 按地区划分的供应商数目。	7.7 Improving Sustainable Supply Chain 7.7 完善可持续供应链
	B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored. 描述有关聘用供应商的惯例，向其执行有关惯例的供应商数目、以及有关惯例的执行及监察方法。	7.7 Improving Sustainable Supply Chain 7.7 完善可持续供应链
	B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored. 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。	7.7 Improving Sustainable Supply Chain 7.7 完善可持续供应链
	B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored. 描述在拣选供应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。	7.7 Improving Sustainable Supply Chain 7.7 完善可持续供应链



## APPENDIX II: CONTENT INDEX OF THE ESG REPORTING GUIDE

### 附录二：《环境、社会及管治报告指引》内容索引





Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
B6: Product Responsibility 产品责任  	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labeling and privacy matters relating to products and services provided and methods of redress. 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：(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。	7.1 Building a Safety System 7.1 打造安全体系 7.4 Maintaining Data Security 7.4 维护数据安全 7.5 Protecting Intellectual Property Rights 7.5 保护知识产权 The Group's business does not involve advertisements and labels 本集团业务不涉及广告及标签
	B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons. 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。	7.2 Improving Product Quality 7.2 提升产品质量 There are no products of the Group sold or shipped subject to recalls for safety and health reasons 本集团没有因安全与健康理由而须回收的已售或已运送产品
	B6.2	Number of products and service related complaints received and how they are dealt with. 接获关于产品及服务的投诉数目以及应对方法。	7.6 Ensuring Customer Service Quality 7.6 确保服务质量
	B6.3	Description of practices relating to observing and protecting intellectual property rights. 描述与维护及保障知识产权有关的惯例。	7.5 Protecting Intellectual Property Rights 7.5 保护知识产权
	B6.4	Description of quality assurance process and recall procedures. 描述品质检定过程及产品回收程序。	7.2 Improving Product Quality 7.2 提升产品质量
	B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored. 描述消费者资料保障及私隐政策，以及相关执行及监察方法。	7.4 Maintaining Data Security 7.4 维护数据安全

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附录二：《环境、社会及管治报告指引》内容索引



Description of the Indicators 指标内容		Relevant Chapter(s) 相关章节	
B7: Anti-corruption 反贪污  	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering. 有关防止贿赂、勒索、欺诈及洗黑钱的：(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。	7.3 Upholding Probity and Honesty 7.3 坚守廉洁诚信
	B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases. 于汇报期内对发行人或其员工提出并已审结的贪污诉讼案件的数目及诉讼结果。	7.3 Upholding Probity and Honesty 7.3 坚守廉洁诚信 Appendix I: KPI Data Table 附录一：关键绩效指标数据表
	B7.2	Description of preventive measures and whistleblowing procedures, and how they are implemented and monitored. 描述防范措施及举报程序，以及相关执行及监察方法。	7.3 Upholding Probity and Honesty 7.3 坚守廉洁诚信
	B7.3	Description of anti-corruption training provided to directors and staff. 描述向董事及员工提供的反贪污培训。	7.3 Upholding Probity and Honesty 7.3 坚守廉洁诚信
B8: Community Investment 社区投资  	General Disclosure 一般披露	Policies on community engagement to understand the needs of communities where the issuer operates and to ensure its activities take into consideration the communities' interests. 有关以社区参与来了解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。	9. Giving Back to Society 9. 热心回馈社会
	B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). 专注贡献范畴(如教育、环境事宜、劳工需求、健康、文化、体育)。	9. Giving Back to Society 9. 热心回馈社会
	B8.2	Resources contributed (e.g. money or time) to the focus area. 在专注范畴所动用资源。	9. Giving Back to Society 9. 热心回馈社会



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东江环保股份有限公司

