



DONGJIANG ENVIRONMENTAL COMPANY LIMITED*

東江環保股份有限公司

(a joint stock limited company incorporated in the People's Republic of China)

(於中華人民共和國註冊成立之股份有限公司)

Stock Code 股份代號：SZ002672, HK00895



2021

Environmental, Social And
Governance Report

環境、社會及管治報告

* For identification purpose only 僅供識別

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1. About the Report

關於本報告



This 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 outlines the Group’s performance in ESG aspects, and describes the Group’s fulfillment of corporate social responsibility and the implementation of sustainable development policies.

東江環保股份有限公司(下稱「本公司」或「東江環保」)及其附屬公司(下稱「本集團」或「我們」)發佈環境、社會及管治(下稱「ESG」)報告(下稱「本報告」或「ESG報告」)，概述本集團在ESG方面的表現，並闡述本集團在履行企業社會責任及推行可持續發展方針的情況。

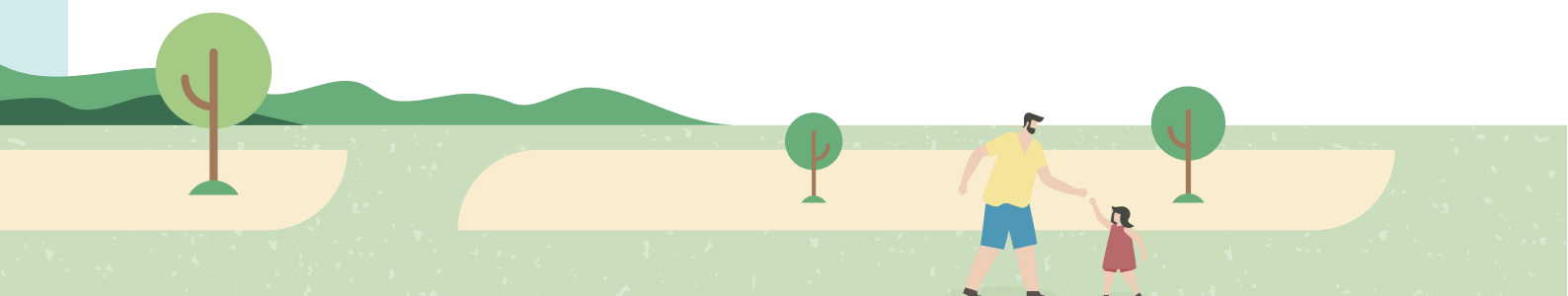
BASIS FOR PREPARATION

This Report is prepared in accordance with the Environmental, Social and Governance Reporting Guide as set out in Appendix 27 to the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited and the scope covered also complies with the “Comply or Explain” provisions in the Guide and the requirements of the four reporting principles (materiality, quantitative, balance and consistency).

編製依據

本報告按照香港聯合交易所有限公司證券上市規則附錄二十七—《環境、社會及管治報告指引》(下稱《指引》)編製而成，涵蓋內容亦符合《指引》內「不遵守就解釋」的條文及四項報告原則(重要性、量化、平衡及一致性)的要求。

Materiality	We have identified and disclosed the process and criteria for material ESG issues in the report. We have also identified and disclosed key stakeholders, the process and results of stakeholder engagement in the report.
重要性	我們已識別及於報告中披露重要ESG議題的過程及準則。我們亦已識別及於報告中披露重要持份者，持份者參與的過程及結果。
Quantitative	We have disclosed the statistical standards, methodologies, assumptions and/or calculation tools used in reporting KPIs, and sources of conversion factors.
量化	我們已披露有關匯報關鍵績效指標所用的統計標準、方法、假設及／或計算工具，以及轉換因素的來源。
Balance	This report presents the Group’s performance during the reporting period in an impartial manner, avoiding choices, omissions or presentation formats that may unduly influence the decisions or judgments of readers of the report.
平衡	本報告不偏不倚地呈報本集團報告期內的表現，避免可能會不恰當地影響報告讀者決策或判斷的選擇、遺漏或呈報格式。
Consistency	We use a consistent approach to statistical disclosure in this report. If there are any changes to statistical methods or key performance indicators or any other relevant factors that affect meaningful comparisons, we will make this clear in our ESG report.
一致性	我們於本報告中使用一致的統計披露方法。如統計方法或關鍵績效指標有任何變更或有任何其他影響有意義比較的相關因素，我們會在ESG報告中清楚說明。



1. About the Report

關於本報告

REPORTING PERIOD AND SCOPE

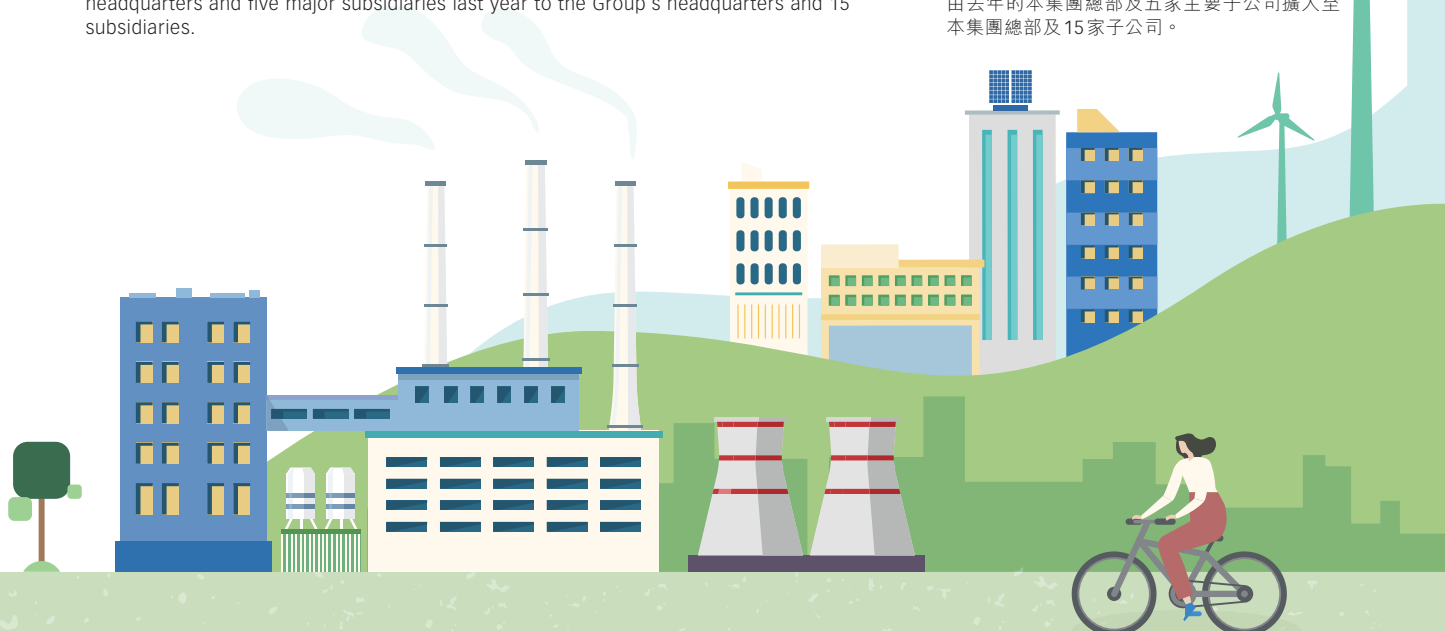
The time frame of this Report covers the period from 1 January 2021 to 31 December 2021 (the “Year” or “Reporting Period”) to implement the concept of sustainable development. Unless otherwise specified, the content coverage of this Report is consistent with the coverage of the “2021 Annual Report”. This Year, the data coverage of environmental key performance indicators (“KPIs”) in this report covers the Group’s headquarters and the following 15 subsidiaries*, we wish to increase the scope and depth of such coverage and constantly monitor our performance in sustainability in the future:

報告時間及範圍

本報告時間範圍涵蓋二零二一年一月一日至二零二一年十二月三十一日(下稱「本年度」或「報告期內」)期間實踐可持續發展理念的工作。除特別說明外，本報告的內容涵蓋範圍與《2021年報》的涵蓋範圍一致。本年度，本報告的環境關鍵績效指標的數據範圍則涵蓋本集團總部及以下15家子公司*，我們寄望未來能擴大涵蓋範圍及深度，持續監測可持續發展相關的表現：

* During the Year, the data coverage of environmental KPIs increased, from the Group’s headquarters and five major subsidiaries last year to the Group’s headquarters and 15 subsidiaries.

* 本年度，環境關鍵績效指標的數據範圍增加，由去年的本集團總部及五家主要子公司擴大至本集團總部及15家子公司。



1. About the Report

關於本報告



Baoan Dongjiang:	Shenzhen Baoan Dongjiang Environmental Technology Co., Ltd.	寶安東江 :	深圳市寶安東江環保技術有限公司
Jiangmen Dongjiang:	Jiangmen Dongjiang Environmental Technology Ltd.	江門東江 :	江門市東江環保技術有限公司
Huizhou Dongjiang:	Huizhou Dongjiang Environment Technology Co., Ltd.	惠州東江 :	惠州市東江環保技術有限公司
Qingyuan Xinlv:	Qingyuan Xinlv Environmental Technology Co., Ltd.	清遠新綠 :	清遠市新綠環境技術有限公司
Qiandeng Wastes Treatment:	Kunshan Qiandeng Three Wastes Treatment Co., Ltd	千燈三廢 :	昆山市千燈三廢淨化有限公司
Jiangsu Dongjiang:	Jiangsu Dongjiang Environmental Services Co., Ltd	江蘇東江 :	江蘇東江環境服務有限公司
Wosen Environmental:	Karamay Wosen Environmental Technology Co., Ltd.	沃森環保 :	克拉瑪依沃森環保科技有限公司
Jiangxi Dongjiang:	Jiangxi Dongjiang Environmental Technology Co., Ltd.	江西東江 :	江西東江環保技術有限公司
Qianhai Dongjiang:	Shenzhen Qianhai Dongjiang Environment Technology Service Co., Ltd.	前海東江 :	深圳市前海東江環保科技服務有限公司
Humen Green:	Dongguan Humen Water Co., Ltd.	虎門綠源 :	東莞市虎門綠源水務有限公司
Xiantao Dongjiang:	Xiantao Dongjiang Environmental Technology Co., Ltd.	仙桃東江 :	仙桃東江環保科技有限公司
Huabao Technology: Renewable Energy:	Shenzhen Huabao Technology Ltd. Shenzhen Dongjiang Renewable Energy Ltd.	華保科技 : 再生能源 :	深圳市華保科技有限公司 深圳市東江環保再生能源有限公司
Zhuhai Yongxingsheng:	Zhuhai Yongxingsheng Environmental Industrial Waste Recycling and Integrated Treatment Co., Ltd.	珠海永興盛 :	珠海市斗門區永興盛環保工業廢棄物回收綜合處理有限公司
Shaoguan Sustainable Resources:	Shaoguan Dongjiang Environmental Sustainable Resources Development Co., Ltd.	韶關再生資源 :	韶關東江環保再生資源發展有限公司



1. About the Report

關於本報告

REPORTING LANGUAGE AND PUBLICATION

This Report is published in Traditional Chinese and English versions. You may access the 2021 ESG Report by clicking the Company's website (www.dongjiang.com.cn) or by browsing through the HKEX news' website (www.hkexnews.hk).

APPROVAL OF THE REPORT

This Report has been approved by the board of directors of the Group (the "Board") on 27 May 2022.

CONTACT

We value the opinions of stakeholders and the public on this Report. If you have any enquiries or recommendations, please feel free to contact us through the following ways:

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報告語言及發佈

本報告以繁體中文及英文版本發佈。閣下可點擊本公司網站(www.dongjiang.com.cn)閱覽二零二一年環境、社會及管治報告，或在香港交易所披露易網站(www.hkexnews.hk)瀏覽有關文件。

報告批准

本報告已於2022年5月27日獲得本集團董事會(「董事會」)批准。

聯繫方式

我們十分重視各持份者和公眾對此報告的看法，若閣下有任何查詢或建議，歡迎通過以下方式與本集團聯絡：

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2. Message from the Chairman

董事長致辭

During the Year, 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 its vision. Undertaking the mission and responsibility of a state-owned environmental protection enterprise, we continue to deeply cultivate the resource utilization and harmless treatment of industrial and municipal waste, and successfully enter the sub-field of rare and precious metal recycling, and carry out water treatment, environmental engineering, environmental testing and other businesses, to customize and provide one-stop environmental protection services, and continue to meet the needs of the people for a better ecological environment, in order to provides strong support in comprehensively promoting the construction of national ecological civilization.

The Year 2021 was the opening year of the “14th Five-Year” plan, and it is also a challenging year for deepening enterprise reform. The state has successively issued a series of heavyweight environmental protection industry policy documents, clarifying industrial policies such as comprehensively improving the level of environmental infrastructure, improving the capacity of solid waste disposal, making up for the shortcomings of treatment facilities, building a resource recycling system, and strengthening waste reduction at the source. It also clarifies that the comprehensive utilization of resources has become the development direction of the hazardous waste treatment industry.

本年度，東江環保以「踐行生態文明，服務美麗中國」為使命及「勇當中國綜合環境服務先行示範者」為願景，擔負環保國企的使命與擔當，持續深耕工業和市政廢物的資源化利用與無害化處理業務，並成功切入稀貴金屬回收利用細分領域，並配套開展水治理、環境工程、環境檢測等業務，為企業的不同發展階段定制和提供一站式環保服務，不斷滿足人民對於美好生態環境的需要，為全面推進國家生態文明建設提供有力支撐。

2021年是東江環保奮進「十四五」新徵程的開局之年，也是深化企業改革的攻堅之年。國家先後出台了一系列重量級環保產業政策文件，明確了全面提升環境基礎設施水平、提高固廢處置能力，補齊處理設施短板，並構建資源循環利用體系、強化廢物源頭減量等產業政策導向，也明晰了資源化綜合利用已成為危廢處理行業的發展方向。





2. Message from the Chairman 董事長致辭



At present, the domestic hazardous waste disposal industry is undergoing profound changes, with excess capacity in some regions, significant reductions at the source, intensified competition in the industry, and intensified “price wars”. The development of the hazardous waste disposal industry is experiencing severe difficulties and challenges. With the in-depth advancement of the “dual carbon” strategy, under the background of building a resource-saving society and a green, low-carbon and circular development economic system, our country’s environmental protection industry will usher in a new round of strategic development. In the face of opportunities and challenges, the Group closely focused on the goals and tasks of the “14th Five-Year Plan”, comprehensively deepened reforms such as stabilizing the main business, adjusting the structure, promoting transformation, improving quality and efficiency through refined management, and actively responding to the changes in competition in the hazardous waste market to achieve a stable start in the “14th Five-Year Plan”. At the same time, we attach great importance to sustainable development and actively integrate ESG concepts into the Company’s operating strategies.

Dongjiang Environmental cares and respects employees, understands the needs of employees from various angles, multi-dimensional identification and other aspects, enriches the lives of employees, and enriches the mood of employees. We committed to improving its talent management by establishing a comprehensive and competitive talent assessment, appraisal and remuneration system through amending remuneration plan, formulating staff promotion management measures, optimizing the assessment and incentive mechanism, etc., and provide equal opportunities for professional development. In addition, we have also established a talent cultivation system that combines professional ability and leadership to continue to provide high-quality talents for the Company’s development. Relying on the Dongjiang Environmental Protection College, we upgrade the “talent cultivation” project, excavate and cultivate compound management talents, and are strive to let every employee to share the joy of learning and growth.

While doing a good job in production and operation, Dongjiang Environmental, as always, pays attention to social welfare undertakings, cares for vulnerable groups, actively does practical, good and difficult things for the community and employees in difficulty, and maintains harmony and stability of enterprises and society. This Year, the Group invested a total of RMB832.7 thousand in funds. We also carry out various social welfare work in social poverty alleviation and education poverty alleviation, such as donations, sponsorships and funding, and make contributions to all parts of the society.

當前，國內危廢處置行業正發生深刻變化，部分區域產能過剩、源頭減量明顯，行業競爭加劇，「價格戰」愈演愈烈，危廢處理行業發展正經受較為嚴峻的困難和挑戰。隨著「雙碳」戰略的深入推進，在構建資源節約型社會和綠色低碳循環發展經濟體系的大背景下，我國環保產業將迎來新一輪的戰略發展期。面對機遇及挑戰，本集團緊緊圍繞「十四五」規劃的目標任務，全面深化改革如穩主業、調結構、促轉型，以精細化管理提升質量效益，積極應對危廢市場競爭格局變化，實現「十四五」平穩開局。同時，我們重視可持續發展，積極把ESG的理念融入本公司的運營策略中。

東江環保愛護員工，尊重員工，從各角度細分、多維度識別等多方面了解員工的需求，豐富員工的生活、充實員工的心境。我們致力完善人才管理，通過修訂薪酬方案、制定員工晉升管理辦法、優化考核激勵機制等多種方式，建立健全具有市場競爭力的人才評價、考核和薪酬體系，提供平等的職業發展機會。此外，我們還建立專業能力與領導力相結合的人才培養體系，持續為公司發展提供高質量的人才，依託東江環保書院，升級「人才培育」工程，挖掘培養複合型管理人才，致力於讓每一位員工分享到學習和成長的快樂。

東江環保在做好生產經營的同時，一如既往關注社會公益事業，關愛弱勢群體，積極為社區、困難職工辦實事、做好事、解難事，維護企業和社會的和諧穩定，本年度，本集團共投放人民幣83.27萬元資金。我們在社會扶貧方面及教育扶貧方面亦有進行各種捐贈、贊助及資助等社會公益工作，為社會各地作出貢獻。



2. Message from the Chairman

董事長致辭

In the future, on the basis of the existing main business of hazardous waste, the Group will accelerate the construction and commissioning of hazardous waste projects such as incineration and landfill, and strive to achieve a hazardous waste treatment capacity of 2.5 million tonnes by the end of 2022 and optimize the hazardous waste qualification structure, promote the match between the market and qualifications, improve the Company's capacity utilization efficiency, expand the hazardous waste treatment volume and market share, and steadily increase the operating income of hazardous waste treatment scale. We simultaneously carry out special projects such as "Smart Environmental Protection Operation and Management Platform", "Decreased Deficit Regulations", "Extreme Cost Reduction" and "Non-public Issuance of a Shares Project" to improve operational and management efficiency, adjust asset structure, increase revenue and reduce expenditure, to improve the overall profitability of the Company.

On the other hand, we will continue to pay attention to the recycling and utilization of power batteries, photovoltaic power generation industry chain, aluminum ash treatment and disposal and other fields and seek entry points in new fields, cooperate with relevant scientific research institutes to jointly promote the green recycling and comprehensive utilization of power batteries, go deep into this field to carry out technical research and explore cooperation models, and explore the coverage of the entire industry chain in the field of recycling. At the same time, we focus on the relevant policies and development trends of the photovoltaic power generation industry chain, with the help of the "dual carbon" strategy and the huge market demand and other opportunities, speed up the deployment of the new energy business, gradually build a new energy business system, and achieve a new round of profit growth.

未來，在現有危廢主業基礎上，本集團加快建設公司焚燒、填埋等危廢項目並投產，力爭2022年底危廢物處理能力達250萬噸，並優化危廢資質結構，提升市場與資質的匹配度，提高公司產能利用效率，擴大危廢處理量及市場佔有率，穩步提升危廢處理業務收益規模。我們同步開展「智慧環保運營管理平台」、「去虧壓規」、「極限降本」及「非公開發行A股股票項目」等專項工作，以提升運營效率和管理效能，調整資產結構，開源節流，提升公司整體盈利水平。

另一方面，我們將持續關注動力電池回收利用、光伏發電產業鏈、鋁灰處理處置等領域及尋求新領域切入點，聯合相關科研院所共同推進動力電池綠色回收暨資源化綜合利用項目，深入該領域開展技術攻關及探討合作模式，探索循環利用領域的全產業鏈覆蓋。同時，我們重點關注光伏發電產業鏈的相關政策及發展趨勢，借助「雙碳」戰略及龐大的市場需求等機遇，加快佈局新能源業務，逐步構建新能源業務體系，實現新一輪的利潤增長。

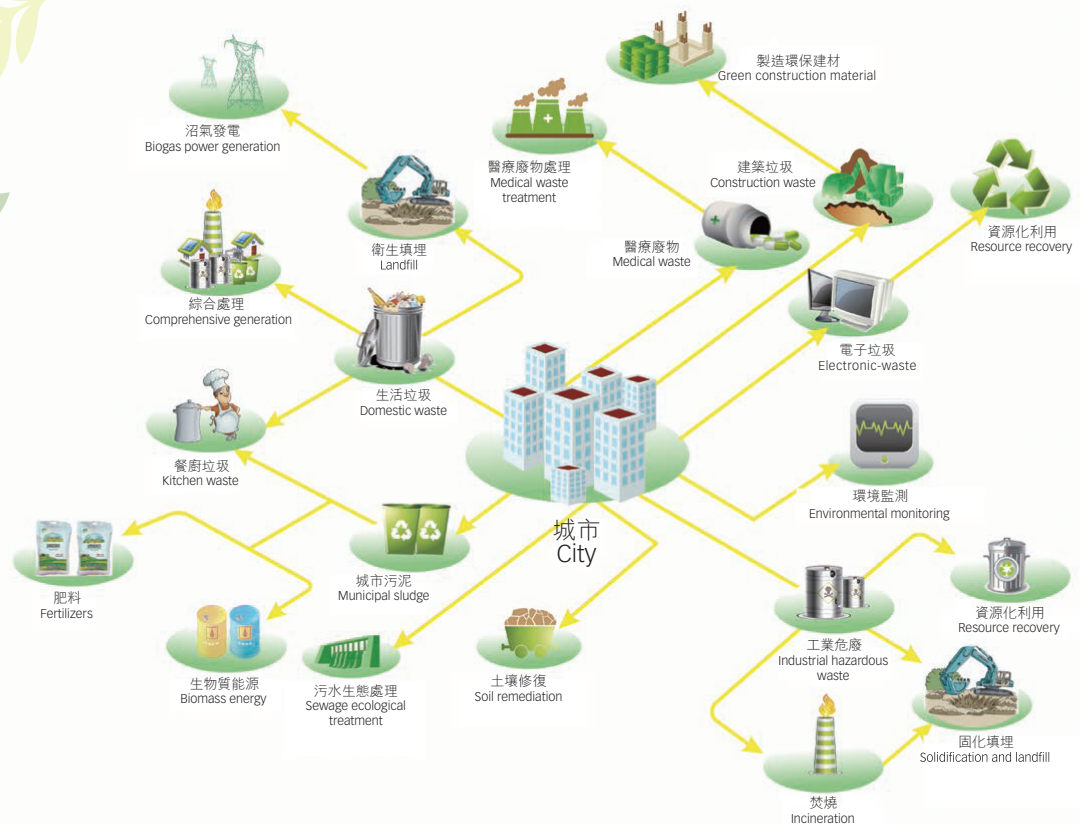
Dongjiang Environmental Company Limited
Tan Kan
Chairman
May 2022

東江環保股份有限公司
譚侃
董事長
2022年5月

3. About Our Group 關於本集團

Dongjiang Environmental was established in 1999. It is an environmental protection company listed in Shenzhen and Hong Kong (stock codes: SZ.002672 and HK.00895). Its controlling shareholder, Guangdong Rising Holdings Group Co., Ltd. ("Guangdong Rising Group"), and the second largest shareholder, Jiangsu High Hope International Group Co., Ltd., are both among the Top 500 Corporates in China, of which the advantageous state-owned background provides strong security and support for the development of Dongjiang Environmental. Dongjiang Environmental is a technology-based integrated environmental service provider specialized in hazardous waste disposal and is committed to being driven by technological innovation. Dongjiang Environmental has established operations covering the whole industry chain based on its business in harmless disposal of industrial waste and recycling of resources, and proactively developed into municipal waste treatment, supplemented by other businesses including water treatment, environmental engineering, environmental testing, etc. The construction of an all-inclusive industry chain allows Dongjiang Environmental to provide customized services to enterprises at different stages of development and offer comprehensive solutions in municipal waste management.

東江環保於1999年創立，於深港兩地上市的環保企業(股票代碼：SZ.002672, HK.00895)。控股股東廣東省廣晟控股集團有限公司(「廣晟集團」)及第二大股東江蘇匯鴻國際集團股份有限公司均為中國500強企業，強大的國資背景為東江環保的發展提供了保障和支撐。東江環保的定位是以危廢處置為基礎的科技型綜合環境服務商，致力於以技術創新為驅動，以工業廢物的無害化處置和資源化利用為基礎，積極拓展市政廢物處理業務，配套水治理、環境工程、環境檢測等業務，構建完整產業鏈，為企業的不同發展階段提供定制化服務，為城市廢物管理提供整體全面解決方案。



Offering comprehensive solutions in municipal waste management
為城市提供全方位環保解決方案

3. About Our Group

關於本集團

3.1 PARTY BUILDING WORK

During the Year, the Dongjiang Environmental Party Committee, guided by Xi Jinping's thoughts on socialism with Chinese characteristics in the new era, solidly promoted the study and education of party history and carried out in-depth "I do practical things for the masses" practical activities, aimed to comprehensively establish the provincial Stateowned Assets Supervision and Administration Commission's (SASAC) "Five Strengthen" model party organizations, earnestly implemented the "One, One, Three, and Six" the guidelines for the Party Building Work System, continue to improve the systematic construction of party building work, adhere to the overall leadership of the party, focus on improving the quality of grassroots party building, and created the "Three Types Dongjiang" party building brand with all strengths, promote the Company's "14th Five-Year Plan" to open up a new situation, and effectively promoted the steady and long-term development of enterprise reform and development.

This Year, Dongjiang Environmental Party Committee continued to strengthen the leadership of the party and the building of the party, and extensively carried out the study and education of party history, meticulously carried out the "Ten, Hundred and Thousand" series of special activities to celebrate the 100th anniversary of the founding of the party, solidly carried out the "I do practical things for the masses" practical activities, special study on the spirit of the Sixth Plenary Session of the 19th CPC Central Committee, promoted Xi Jinping thought on socialism with Chinese Characteristics for a new era into the mind, to ensure that the study and education of party history go deep and practical. We deepened the three-level organizational system of "Party Committee-General Party Branch of Business Department-Party Branch of Enterprise", one enterprise, one policy, and promoted the full coverage of the party organization in subordinate enterprises. At the same time, Dongjiang Environmental Party Committee continued to build the "Three Types Dongjiang" party building brand, continuously deepen the integration of party building and production and operation, leading the corporate culture with the "Three Types Dongjiang" party building culture, and realizing the integration of party building and production and operation.


3.1 黨建工作

本年度，東江環保黨委堅持以習近平新時代中國特色社會主義思想為指導，扎實推進黨史學習教育，深入開展「我為群眾辦實事」實踐活動，以全面創建省國有資產監督管理委員會（「國資委」）「五強五化」示範黨組織為目標，認真落實「一一三六」黨建工作體系的指引，持續完善黨建工作體系化建設，堅持黨的全面領導，著力提升基層黨建質量，以全力創建「三色東江」黨建品牌，推動公司「十四五」規劃打開新局面，有力推動企業改革發展行穩致遠。

本年度，東江環保黨委持續加強黨的領導及黨的建設，廣泛開展黨史學習教育，精心開展「十百千」慶祝建黨100周年系列特色活動，扎實開展「我為群眾辦實事」實踐活動，專題學習十九屆六中全會精神，推動習近平新時代中國特色社會主義思想入腦入心，確保黨史學習教育走深走實。我們深化「黨委—事業部黨總支—企業黨支部」三級組織體系，一企一策，推動下屬企業實現黨組織全覆蓋。同時，東江環保黨委持續打造「三色東江」黨建品牌，不斷深化黨建與生產經營融合途徑，以「三色東江」黨建文化引領企業文化，實現黨建與生產經營共融共進。



3. About Our Group 關於本集團



In terms of community and poverty alleviation activities, enterprises of Dongjiang Environmental are located in many parts of the country, actively responding to the government's call, and actively taking social responsibilities in epidemic prevention and control, collection, transportation and disposal of medical and hazardous wastes, dispose of all kinds of medical waste in an orderly manner and make positive contributions to epidemic prevention and control in various places. We have participated in activities such as government and community assistance, donations, visits and condolences, and earnestly carried out counterpart assistance work. Through all-out help, Dongjiang Environmental Party Committee completed the poverty alleviation tasks assigned by the superiors ahead of schedule. The effective connection of rural revitalization has been done well.

3.2 BUSINESS HIGHLIGHTS OF THE GROUP

As the earliest participant in the domestic environmental protection industry, the Group has accumulated rich industry experience and professional management capabilities and has operated more than 50 environmental protection industry projects so far. With strong support from powerful state-owned shareholders, through years of unremitting efforts, Dongjiang Environmental has focused on promoting the co-processing of waste recycling and harmless processes, propelled the transformations and upgrades of the industry with technological innovation, improved service levels through professional management, and accelerate scale expansion with the capital operation, realize leapfrog development through continuous self-development and innovation. Now it has become a pioneer and leader in the field of domestic hazardous waste treatment and takes "a one-stop comprehensive environmental protection service provider-oriented by technological innovation and based on hazardous waste" as its development goal. With more than 60 subsidiaries under Dongjiang Environmental, the Company's business network covers the Pearl River Delta, Yangtze River Delta, Beijing-Tianjin-Hebei region, Bohai Economic Rim, central and western China and other core regions of the hazardous waste industry, serving more than 27,000 customers, it has a clear leading advantage in the national hazardous waste industry.

在社區及扶貧活動方面，東江環保各企業分佈在全國各地多處，積極響應政府號召，在疫情防控、醫療危廢收運處置方面積極承擔社會責任，有序處置各類醫療廢物，為各地疫情防控作出積極貢獻。我們參與政府、社區困難群眾幫扶、捐款、走訪慰問等活動，認真開展對口幫扶工作。通過全力以赴的幫助，東江環保黨委提前完成上級交給的脫貧扶貧任務，做好了鄉村振興的有效銜接。

3.2 集團業務亮點

本集團作為國內環保行業最早的參與者，積累了較豐富的行業經驗及專業化管理能力，至今擁有50多個環保產業項目的運營。在強大的國有股東後盾的支持下，東江環保通過多年的不懈努力，重點推進廢物資源化和無害化工藝協同處理，以技術創新推動產業轉型升級，以專業管理提升服務水平，以資本運作提速規模擴張，通過自身不斷開拓創新實現跨越式發展，現已成為國內危險廢物處理領域的先行者和排頭兵並以「以技術創新為導向，以危廢為基礎的一站式綜合環保服務提供商」為發展目標。東江環保下設60多家分子公司，業務網絡覆蓋中國珠三角、長三角、京津冀、環渤海及中西部市場等危廢行業核心區域，服務客戶超過2.7萬家，在全國危廢行業有明顯的領先優勢。



3. About Our Group 關於本集團



Ever-expanding business map
不斷拓展的業務地圖

Note : The above map is only available in Chinese
備註：以上地圖僅提供中文版

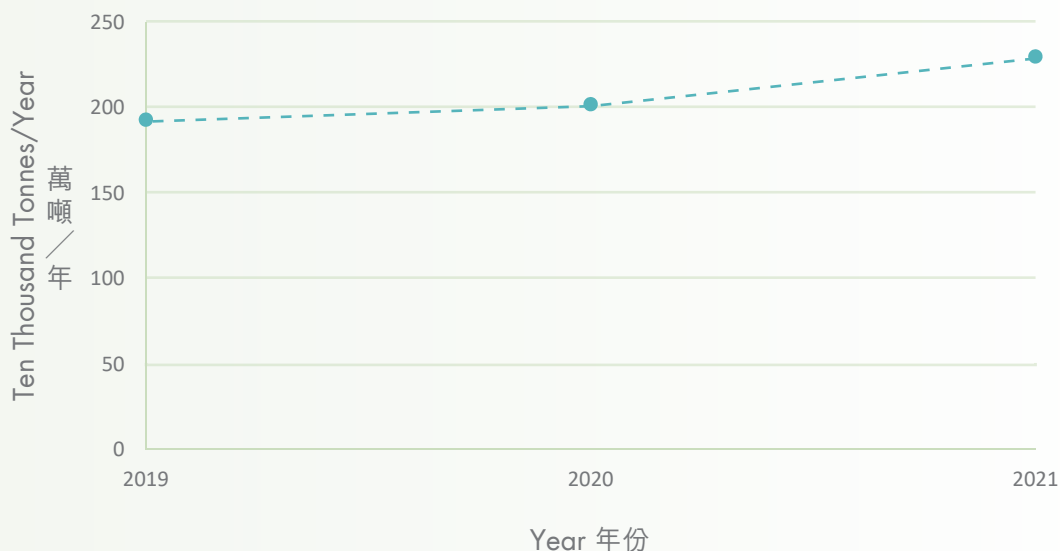
3. About Our Group 關於本集團

This Year, Dongjiang Environmental has actively adjusted its market strategy, flexibly used the price mechanism, adopted the strategy of “replacing price for volume and seizing the market” to expand its business area and expand its core market share in Guangdong and Jiangsu. Standardized and refined management, through platform-based management, has strengthened the refined compliance supervision of the entire process of hazardous waste, and further improved the informatization and standardization level of our environmental protection management. The total amount of hazardous waste collected and transported throughout the Year and the sales of resource-based products both hit a record high for the same period in history. The total amount of incineration and landfill waste collected and transported increased by 28% and 120% respectively compared with last year and the annual operating income of the harmless disposal business was about RMB1,712 million. Through the production of high value-added resource-based products, expansion of overseas sales markets, resource-based utilization business, and customer development, and the implementation of a resource-based gross profit margin linkage mechanism, the operating income of industrial waste recycling business was approximately RMB1,565 million, an increase of 48.45% over the same period last year, and contributed a total profit of about RMB155 million. With the joint efforts of the Group and through the above measures, we achieved an operating income of RMB4,015 million for the year, an increase of 21.12% over the same period of the previous year.

本年度，東江環保積極調整市場策略，靈活運用價格機制，採取「以價換量、搶佔市場」的策略，拓展業務區域，擴大廣東、江蘇等核心市場份額，並通過我們的自主研發智慧環保系統賦能標準化、精細化管理，通過平台化管理，強化了危險廢物的全過程精細化合規監管，進一步提升我們環保管理信息化和標準化水平。全年危廢收運總量、資源化產品銷售額雙創歷史同期新高，其中焚燒類及填埋類廢物收運總量較去年分別增長28%及120%，全年無害化處置業務營業收入約人民幣17.12億元。通過生產高附加值資源化產品、拓展海外銷售市場、資源化利用業務及開發客戶等方式，並實行資源化毛利率聯動機制，工業廢物資源化利用業務營業收入約人民幣15.65億元，較去年同期增長48.45%，並貢獻利潤總額約人民幣1.55億元。在集團合力下，通過上述各項舉措，我們全年實現營業收入人民幣40.15億元，較上年同期增長21.12%。

Approved Capacity of Hazardous Waste Treatment and Disposal Qualification

危廢處理處置資質總量



3. About Our Group

關於本集團

In terms of project construction, this Year, the Group's key projects were concentrated, and a total of 6 incineration and landfill new/expansion projects were completed and put into operation, and the newly added hazardous waste business license qualification was approximately 169,500 tonnes per year; At the same time, our project reserves are abundant. Three provincial key projects such as Zhuhai and Jieyang are currently under construction, with a total designed production capacity of 355,500 tonnes per year, which is expected to be completed and put into operation within two years. As of the end of the Reporting Period, thanks to the implementation of new projects and the implementation of active market strategies, our hazardous waste business license has exceeded 2,300,000 tonnes per year.

In terms of project investment, the Group successfully acquired related projects, officially entered the field of rare and precious metal recycling, optimized the layout of the resource sector, comprehensively enhanced our internal co-processing capabilities, improved the comprehensive utilization level of solid waste and hazardous waste, and improved the strategic layout. In the future, the rare and precious metal recycling business, as one of the Company's important businesses, will further expand the Group's revenue and profit scale, increase the proportion of the resource-based business, and promote the accelerated development of the Group's resource-based business.

In terms of industrial waste treatment and disposal, Dongjiang Environmental has been deeply engaged in the industrial waste business for more than 20 years. On the basis of continuously strengthening the comprehensive utilization and harmless disposal of hazardous waste resources, we actively provide front-end management of hazardous wastes and management of hazardous waste disposal facilities. The "environmental protection housekeeper" service including the service has created an integrated industrial chain that runs through waste collection and transportation, comprehensive resource treatment, and harmless treatment and disposal. The total number and types of hazardous waste management qualifications are at the forefront of the industry.

項目建設方面，本年度，本集團重點項目集中落地，合計6項焚燒類、填埋類新建／擴建項目完成建設並投產，新增危廢經營許可資質約16.95萬噸／年；同時，我們的項目儲備豐富，珠海、揭陽等3個省重點項目目前正在建設中，其設計產能合計達35.55萬噸／年，預計兩年內建成投產。截至報告期末，得益於新建項目落地投產和實行積極的市場策略，我們危廢經營許可資質已超230萬噸／年。

項目投資方面，本集團成功收購相關項目，正式進入稀貴金屬回收利用領域，優化資源化板塊佈局，全面提升我們內部協同處置能力，提升固廢危廢資源化綜合利用水平，完善戰略佈局。未來稀貴金屬回收利用業務作為公司重要業務之一，將進一步擴大本集團營收及盈利規模，提升資源化業務構成佔比，促進本集團向資源化業務加快發展。

工業廢物處理處置方面，東江環保已深耕工業廢物業務二十餘年，在不斷強化危廢資源化綜合利用和無害化處置的基礎上，我們積極提供含危廢前端管理和危廢處置設施託管服務在內的「環保管家」服務，打造了貫通廢物收集運輸、資源化綜合處理、無害化處理處置的一體化產業鏈條，危險廢物經營資質總量、種類位居行業前列。



3. About Our Group 關於本集團

We implement the environmental impact assessment of construction projects and the “Three Simultaneous” system, and the discharge of major pollutants meets the relevant standards stipulated by the state and local governments, and meets the pollutant discharge permit and the total pollutant discharge control requirements stipulated. Meanwhile, we actively promote the construction of an information management platform for hazardous waste operation, independently develop a smart environmental protection operation platform, hazardous waste operation management platform and smart safety and environmental management platform “Safe Dongjiang”, we also used 5G, Internet of Things (IoT), big data, visual analysis and other cutting-edge technologies to improve omniscience and control capabilities, delivered safety and environmental protection management information, in order to continuously reduce the safety production risk of hazardous waste management enterprises, improve the operation and management capabilities, improve the practicability and efficiency of the safety and environmental protection management information platform, and implement the safety and environmental protection management work. The online platform independently developed by the Group has been launched and applied in many subsidiaries.

3.3 HONORS AND AWARDS

Since its establishment, leveraging on its advanced technological advantage and rich industry experience, Dongjiang Environmental has been evaluated as Guangdong Province and National Key Environmental Protection Enterprise, the unit of “National Resource Conservation and Environmental Protection Major Demonstration Project”, “National First Batch of Circular Economy Pilot Units” and “National High-tech Enterprises”, etc.

This Year, Dongjiang Environmental also received honors and awards from many units and received recognition from different sectors.

我們執行建設項目環境影響評價和「三同時」制度，主要污染物的排放達到國家和地方規定的相關標準，滿足排污許可證和地方政府規定的排污總量控制要求。同時，我們積極推進危廢運營信息化管理平台建設，自主研發智慧環保運營平台、危廢運營管理平台及智慧安環管理平台「平安東江」，借助5G、物聯網、大數據、視覺分析等前沿技術提高全知感知能力，及時傳遞安全環保管理信息，以持續降低危廢經營企業安全生產風險，提升運營管理平台的實用性和高效性，落實做好安環管理工作。本集團自主研發的線上平台已在多家子公司上線應用。

3.3 榮譽獎項

東江環保自成立以來，憑藉創新先進的技術優勢和豐富的行業經驗，先後被評定為廣東省及國家環保骨幹企業、「國家資源節約與環境保護重大示範工程」單位、「國家首批循環經濟試點單位」和「國家高新技術企業」等。

本年度，東江環保亦獲得多個單位頒發榮譽及獎項，獲得各界認可。



3. About Our Group

關於本集團

Honors/Awards 榮譽／獎項	Issuing Body 頒發機關
Top 50 Environmental Enterprises of China 中國環境企業50強	China Ecological Environment Industry Summit Forum Organizing Committee/China Environment Chamber of Commerce 中國生態環境產業高峰論壇組委會／全聯環境服務業商會
2020 Contract-abiding and Credit-Reliable Enterprise of Guangdong Province 2020年度廣東省守合同重信用企業	Shenzhen Administration for Market Regulation 深圳市市場監督管理局
The 2 nd Shenzhen Top 100 Brand Enterprises 第二屆深圳品牌百強企業	Shenzhen Quality City Promotion Association 深圳市質量強市促進會
Demonstration Unit of Open and Democratic Management of Enterprise Affairs 企務公開民主管理示範單位	Nanshan District Federation of Trade Unions 深圳市南山區總工會
Quality Customers of Green Finance in 2020 2020年綠色金融優質客戶	Industrial Bank Co., Ltd. (Shenzhen branch) 興業銀行深圳分行
Excellent Environmental Protection Brand Enterprise 環保優秀品牌企業	China Environment News Agency Co., Ltd. 中國環境報社有限公司
Shenzhen Environmental Education Base 深圳市環境教育基地	Shenzhen Green Life Creation Action Steering Committee Office 深圳市綠色生活創建行動指導委員會辦公室
Shenzhen Top Ten Book Enterprises 深圳十大書香企業	Shenzhen Federation of Trade Unions/Shenzhen Spiritual Civilization Construction Committee Office/Shenzhen Reading Month Organizing Committee Office 深圳市總工會／深圳市精神文明建設委員會辦公室／深圳讀書月組委會辦公室
2021 National environmental protection facilities and urban sewage and garbage treatment facilities are open to the public [^] 2021年全國環保設施和城市污水垃圾處理設施向公眾開放單位 [^]	General Office of Ecology and Environment/General Office of Housing and Urban-Rural Development 生態環境部辦公廳／住房和城鄉建設部辦公廳

[^] The award-winning units are 3 subsidiaries, which are Shaoguan Dongjiang Environmental Sustainable Resources Development Co., Ltd., Jiaying Deda Resource Recycling Ltd. and Wandesi (Tangshan Caofeidian) Environmental Technology Co., Ltd.

[^] 獲獎單位為東江環保所屬韶關東江環保再生資源發展有限公司、嘉興德達資源循環利用有限公司及萬德斯(唐山曹妃甸)環保科技有限公司3家子公司。





3.4 RESEARCH AND DEVELOPMENT OF NEW TECHNOLOGIES

Technological innovation is the future of Dongjiang Environmental. The Group has always adhered to the technology-led corporate development, accelerated the transformation of scientific research achievements, and continuously created a benchmark for scientific research innovation in the industry. We have a research institute dedicated to the development of cutting-edge technology, technology introduction and cooperation and industrial application. Over the years, our research and development investment has been at the leading level in the industry. We have conducted research on power battery recycling technology, kept up with future industrial development trends, and cultivated new business capabilities. In this Year, we have completed a total of 7 key projects, including 1 industrialization project. We have completed 2 major national science and technology projects and passed the acceptance inspection. Among them, the national key research and development plan project “Integrated Technology and Application of Rural Water Supply and Drainage in the Eastern River Network Region” has been successfully completed, fulfilling various assessment indicators with fruitful results, which has contributed greatly regarding the water supply and drainage problems in anastomosing rivers in the rural areas of Eastern region; the national major water project “heavily polluted area (Wujin) water environment improvement technology integration and comprehensive demonstration project” achieved the project goal, through comprehensive performance evaluation, the output of 16 core technologies or the equipment is popularized and applied to the demonstration areas and even the whole country, which has produced significant economic and environmental benefits.

We have participated in the formulation of “GB/T 39198-2020 Classification and Code for General Solid Waste”, “GB/T 39197-2020 Principle and Requirement for Material Flow Data Collection of General Solid Waste”, “GB/T 41015-2021 Technical Requirements for Solid Waste Vitrification Product” 3 national standards. Several of our achievements have been identified as international leading levels, and the carbonization process for the production of basic copper carbonate in the field of copper-containing hazardous waste recycling has been applied for international patent. This Year, 5 domestic advanced scientific and technological achievements were newly added, enhancing the Company’s technological innovation advantages and market competitiveness.

3.4 創新技術研發

技術創新是東江環保的未來。本集團始終堅持技術引領企業發展，加速科研成果轉換，不斷打造行業科研創新標杆。我們設有研究院，致力於開展前沿技術研發、技術引進及合作並產業化應用，多年來研發投入均處於行業領先水平。我們研究動力電池回收技術，緊跟未來產業發展趨勢，培育新業務能力。本年度，我們共完成7項重點課題結題驗收，其中有1個產業化項目。我們完成2項國家重大科技專案並通過驗收，其中國家重點研發計畫項目「東部河網地區農村供排水一體化技術與應用」圓滿完成研究任務，達成各項考核指標，取得豐碩成果，為解決東部河網地區農村供排水問題做出了重大貢獻。國家重大水專項「重污染區(武進)水環境整治技術集成與綜合示範項目」達成項目目標，通過綜合績效評價，產出的16項核心技術或設備推廣應用於示範區乃至全國，產生了顯著的經濟和環境效益。

我們參與制定《GB/T 39198-2020 一般固體廢物分類與代碼》、《GB/T 39197-2020 一般固體廢物物質流數據採集原則和要求》、《GB/T 41015-2021 固體廢物玻璃化處理產物技術要求》3項國家標準。我們有數項成果被鑒定為國際領先水準，在含銅危廢资源化利用領域中的碳化法生產鹼式碳酸銅工藝已申請國際專利。本年度我們新增5項國內先進科技成果，提升公司技術創新優勢，增強市場競爭力。

3. About Our Group

關於本集團

In this Year, Dongjiang Environmental adhered to the concept of innovation-driven development, and continued to maintain the intensity of R&D investment based on the research institute. The Group has obtained a total of more than RMB25 million technical financial funds, and the annual research and development investment was RMB171 million, an increase of 17.94% over the same period of the previous year. It has 6 innovation platforms above the provincial level and 19 high-tech enterprises. The Group has obtained 93 new authorized patents, including 8 patents for invention, 84 patents for utility model and 1 patent for design. Cumulatively, the Group has already been granted a total of 500 authorized patents, including 90 patents for invention (including 1 PCT US utility patent), 407 patents for utility and 3 patents for design.

本年度，東江環保堅持創新驅動發展理念，以研究院為依託，持續保持研發投入強度，本集團共獲得技術類財政資金逾人民幣2,500萬元，全年研發投入為人民幣1.71億元，較上年同期增長17.94%，擁有6個省級以上創新平台和19家高新技術企業。本集團新增授權專利93項，其中發明專利8項，實用新型專利84項，外觀設計1項。我們累計已獲得授權專利500項，其中發明專利90項(包含PCT美國發明專利1項)，實用新型407項，外觀設計3項。

Research & Development ("R & D") Establishment

研發建設



<ul style="list-style-type: none"> National-level platform 國家級平台 	1 1個
<ul style="list-style-type: none"> Provincial - and city-level innovate technology platforms 省市級創新技術平台 	10 10個
<ul style="list-style-type: none"> Provincial-level academican expert workstation 省級院士專家工作站 	1 1個
<ul style="list-style-type: none"> City-level postdoctoral innovation base 市級博士後創新基地 	1 1個
<ul style="list-style-type: none"> Headquarters research institute 總部研究院 	1 1個
<ul style="list-style-type: none"> Base laboratories 基地實驗室 	9 9個
<ul style="list-style-type: none"> CNAS certification and inspection center CNAS認證檢測中心 	1 1個

3. About Our Group 關於本集團

Science and Technology Awards and Recognitions 科技獎項肯定



Science and technology awards received 獲得科技獎項	7 7項
<ul style="list-style-type: none"> Second prize of National Science and Technology Progress 國家級科技進步二等獎 	1 1項
<ul style="list-style-type: none"> Provincial-ministerial level awards 省部級 	4 4項
<ul style="list-style-type: none"> Department-municipal level awards 廳市級 	2 2項



4. Sustainable Development Strategy 可持續發展戰略

Dongjiang Environmental takes “Developing Ecological Civilization to Build a Better China” as its mission and “Becoming the Pioneer in Comprehensive Environmental Services in China” as its vision, and are committed to integrating the concept of sustainable development into business development, while fulfilling corporate social responsibilities, hoping to promote social progress, to contribute to the country.

4.1 BOARD STATEMENT

The Group established a top-down ESG governance structure. The Board assumes full responsibility for the Group’s ESG strategy and supervision, as well as the overall ESG direction, objectives, performance, materiality assessment, prioritization of ESG issues, and management of ESG issues, also regularly reviews the progress of environmental goals and determines the setting of environmental goals, integrates ESG concepts into all levels of work, and promotes sustainable development in the comprehensive practice of the Group. During the Year, the Group has set relevant environmental targets. In the future, we will regularly review the relevant targets set and review the progress of implementation of the relevant targets to improve our sustainable development work.

4.2 ENVIRONMENTAL, SOCIAL AND GOVERNANCE STRUCTURE

The Group clearly understands the importance of sustainable development management to the development of our Company and the society, therefore we have been committed to integrating the concept of sustainable development into the overall strategy, policy and business plan of the Group, we have established an ESG Working Group comprised of an executive director of the Company, a vice president and person in charge of each major department. The ESG working group is responsible for effectively managing ESG related risks, promoting and supervising the implementation of various ESG policies by various departments. The Board assumes full responsibility for ESG strategies and reporting, and is responsible for coordinating, evaluating and determining whether the Group’s ESG risk management and internal control systems are appropriate and effective.

東江環保的宗旨是「踐行生態文明，服務美麗中國」及「勇當中國綜合環境服務先行示範者」，致力把可持續發展的理念融入業務發展當中，同時履行企業社會責任，希望推動社會進步，為國家作出貢獻。

4.1 董事會聲明

本集團建立了自上而下的ESG管治架構，由董事會對本集團的ESG策略及監督承擔全部責任，並對ESG整體方向、目標、表現、重要性評估、ESG議題優次排列及管理ESG事宜進行審閱，並定期檢討環境目標的進度及確定環境目標的設定，把ESG概念融入各層面工作，促進可持續發展於本集團全面實踐。本年度，本集團已設立相關環境目標。在未來，我們會定期對訂立的相關目標進行回顧，審查相關目標的執行進度，以改進可持續發展工作。

4.2 環境、社會及管治架構

本集團清楚知道可持續發展管理對我們公司發展以至對社會的重要性，所以一直致力把可持續發展的概念帶入在我們的整體策略、政策及業務計劃中。我們已成立由本公司一位執行董事、一位副總裁及各主要部門負責人組成的ESG工作小組，更有效地管理ESG的相關風險，推動及監督各部門執行各項ESG政策。董事會對ESG策略及匯報承擔全部責任，負責統籌、評估及釐定本集團就ESG的風險管理及內部監控系統是否合適及有效。

4. Sustainable Development Strategy 可持續發展戰略



4.3 COMMUNICATING WITH STAKEHOLDERS

We maintain close communication and interaction with different external and internal stakeholders through various communication channels, including shareholders/investors, government/regulatory agencies, customers, employees, suppliers, the community and R&D institutions, so as to have a deep understanding of their expectations and requirements for the sustainable development of the Group, helping us to identify existing and potential opportunities and risks so that we can improve the sustainable development strategy of the Group. This Year, we communicated and interacted with stakeholders through the following methods.





4.3 與持份者溝通

我們透過各種溝通途徑與外部及內部不同的持份者保持緊密溝通和互動，包括股東／投資者、政府／監管機構、客戶、僱員、供應商、社會各界及研發機構，從而深入理解他們對本集團可持續發展方面的期望與要求，幫助我們釐定現有和潛在的機遇及風險，令我們能完善本集團的可持續發展策略。本年度，我們透過以下的方式與持份者進行溝通互動。

4. Sustainable Development Strategy 可持續發展戰略

Major Stakeholders 主要持份者	Expectations and Requirements 期望與要求	Main Communication Channels 主要溝通途徑
Shareholders/Investors 股東／投資者 	<ul style="list-style-type: none"> Robust operational compliance 穩健合規運營 Good returns on investment 良好投資回報 Effective risk management 有效的風險管理 	<ul style="list-style-type: none"> General meetings 股東大會 Annual report, interim report and ESG report 年度報告、中期報告及ESG報告 Performance briefing session 業績說明會 “Investor Relations” section 「投資者關係」專欄 Email and phone 電郵及電話
Government/Regulatory authorities 政府／監管機構 	<ul style="list-style-type: none"> Environmental compliance 環保合規 Safe production 安全生產 Supporting community livelihood 支持社區民生 	<ul style="list-style-type: none"> Policy consultation 政策諮詢 Major meetings 重大會議 Site visits 現場考察 Disclosure of information 信息披露 Written responses to consultation 對諮詢的書面回應
Customers 客戶 	<ul style="list-style-type: none"> Quality products and services 優質產品和服務 Scientific research and development 科研及開發 Privacy protection 隱私保護 	<ul style="list-style-type: none"> Website and emails of the Group 集團網頁及郵箱 Daily operation/exchange 日常營運／交流 Opinion survey 意見調查 Customer complaint channels 客戶投訴渠道

4. Sustainable Development Strategy 可持續發展戰略

Major Stakeholders 主要持份者	Expectations and Requirements 期望與要求	Main Communication Channels 主要溝通途徑
Employees 僱員 	<ul style="list-style-type: none"> Stable employment 提供穩定就業 Reasonable welfare and benefits 合理福利待遇 Safe working environment 安全工作環境 	<ul style="list-style-type: none"> Channels for employees to express their opinions 僱員表達意見的渠道 Job performance appraisal 工作績效考核 Employee survey 僱員調研 Staff meeting 職工大會 Dongjiang Xinqiao WeChat Mini Program 東江心橋微信小程序
Suppliers 供應商 	<ul style="list-style-type: none"> Integrity and mutual benefits 誠信互惠 Fair procurement 公平採購 	<ul style="list-style-type: none"> Field trips 實地考察 Examination and evaluation 考核評價 "Sunshine Dongjiang" procurement platform 「陽光東江」採購平台
Community 社會各界 	<ul style="list-style-type: none"> Promoting social harmony 促進社會和諧 Supporting charitable activities 支持公益活動 Advocating energy saving and emissions reduction 倡導節能減排 	<ul style="list-style-type: none"> Organizing charitable activities 開展公益活動 Environmental protection education 環保教育 Opinion survey 意見調查 Dongjiang Environmental WeChat official account 東江環保微信公眾號
R&D institutions 研發機構 	<ul style="list-style-type: none"> Technical exchange and cooperation 技術交流與合作 	<ul style="list-style-type: none"> Meetings 會議 Site visits 現場考察

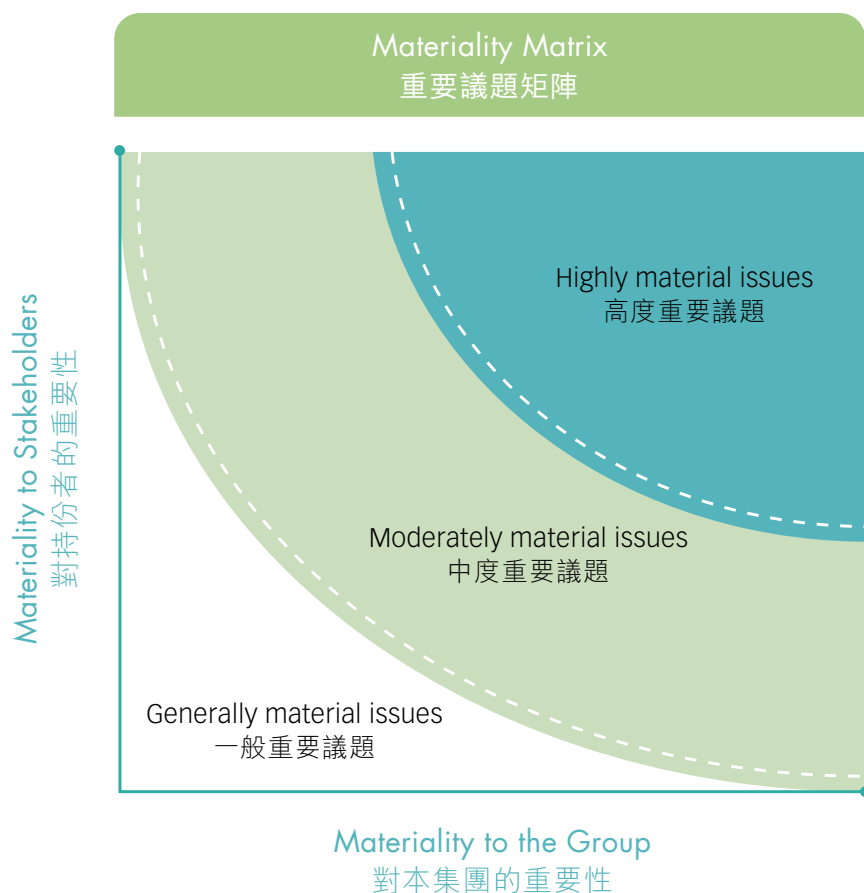
4. Sustainable Development Strategy 可持續發展戰略

4.4 MATERIALITY ASSESSMENT

We consider the expectations and requirements of different stakeholders on ESG, as well as the Group's business development goals, actual operation strategies and circumstances. We also took the disclosure obligations covered in the Guide, the material map of Sustainability Accounting Standards Board (SASB) and other factors into consideration. After analyzing various material issues covering ESG aspects, we finally concluded 7 highly material issues, 12 moderately material issues and 6 generally material issues concerning the ESG report. Based on the materiality of these issues, we make different levels of key disclosures in this Report, and take them as important considerations when formulating ESG strategies and guidelines.

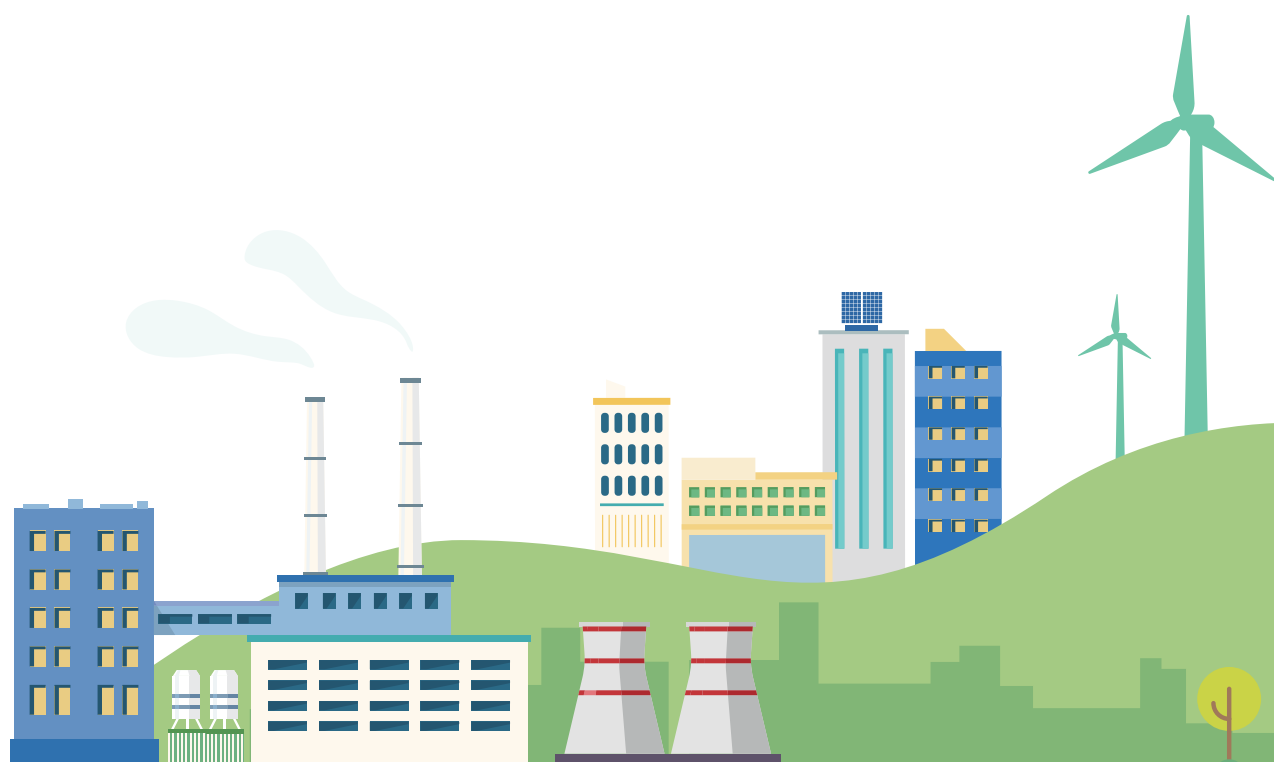
4.4 重要性評估

我們考慮不同持份者對ESG的期望與要求，以及本集團的業務發展目標、實際運營戰略及情況，同時參考《ESG指引》所涵蓋的披露責任及永續會計準則委員會(Sustainability Accounting Standards Board, 「SASB」)的重要性議題庫等因素，對ESG的各種議題進行分析，最終歸納出關於ESG報告的7個高度重要議題、12個中度重要議題及6個一般重要議題。本報告根據這些議題不同的重要性而作出不同程度的重點披露，並於制定ESG的策略及方針時作為重要考慮。



4. Sustainable Development Strategy 可持續發展戰略

Materiality of ESG Issues ESG 議題的重要性	ESG Material Issues ESG 重要議題
Highly material 高度重要 	1 Waste management 廢棄物管理
	2 Sewage management 污水處理
	3 Exhaust emission management 廢氣排放管理
	4 Anti-corruption 反貪腐
	5 Compliance operation 合規運營
	6 Employee health and safety 員工健康安全
	7 Disaster and emergency plan planning 災難及應急預案規劃



4. Sustainable Development Strategy 可持續發展戰略

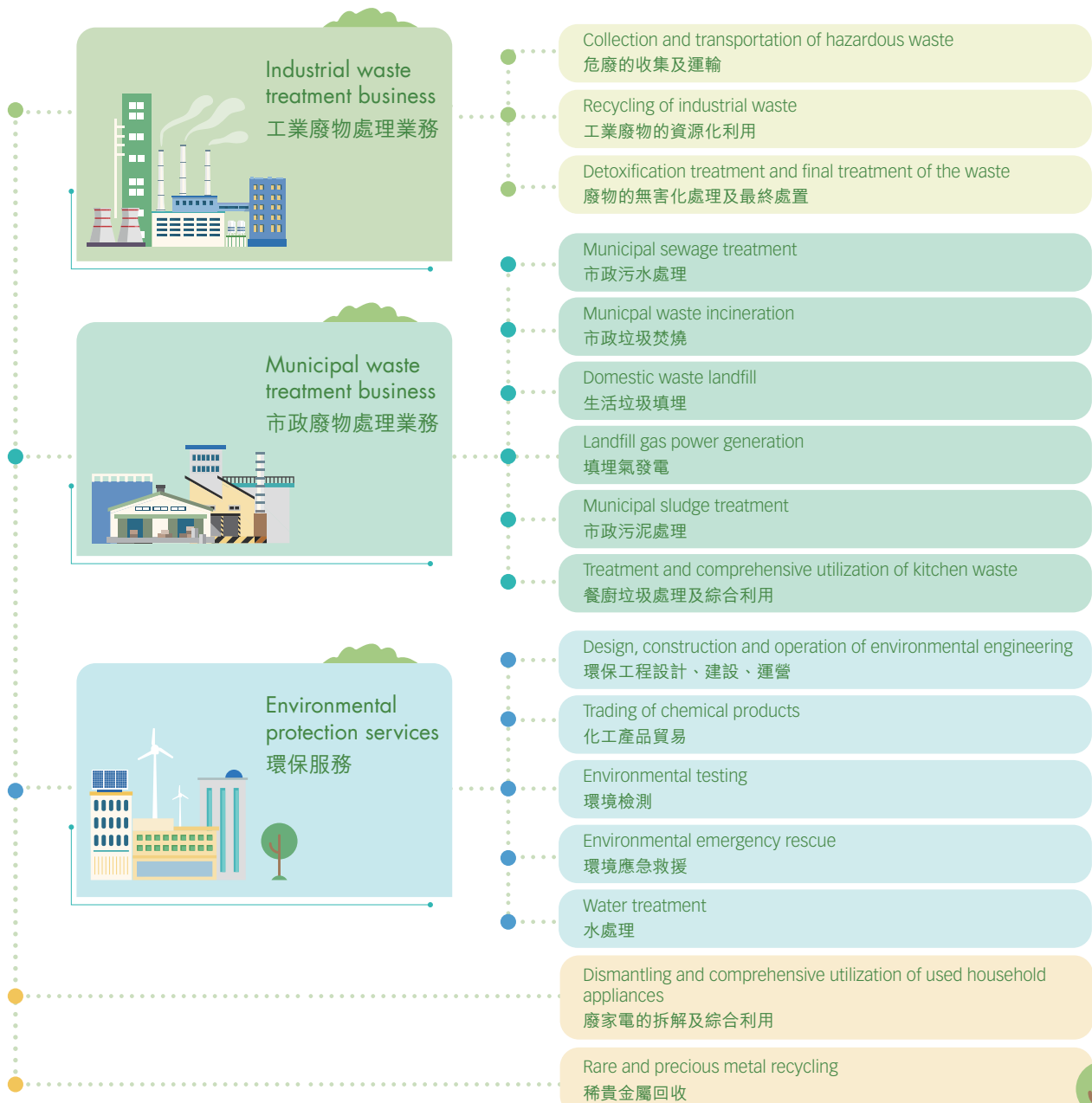
Materiality of ESG Issues ESG 議題的重要性	ESG Material Issues ESG 重要議題	
Moderately material 中度重要 	8 Energy management 能源管理	
	9 Greenhouse gas emissions management 溫室氣體排放管理	
	10 Innovative technology research and development 創新技術研發	
	11 Information security and privacy protection 信息安全及隱私保護	
	12 Intellectual property rights protection 知識產權保護	
	13 Customer service 客戶服務	
	14 Employee development training 員工發展培訓	
	15 Employment and labor standards 僱傭及勞工準則	
	16 Employee benefits 員工福利待遇	
	17 Community charity 社區公益慈善	
	18 Environmental education 環保教育	
	19 Supply chain management 供應鏈管理	
	Generally material 一般重要 	20 Resources use and recycling 資源使用及回收
		21 Water resources management 水資源管理
		22 Coping with climate change 應對氣候變化
		23 Use of packaging materials 包裝材料的使用
		24 Product quality and safety 產品質量及安全
		25 Equality, diversity and inclusion 平等、多元化與包容

5. Creating Green Environment 締造綠色環境

The Group has devoted itself to the environmental protection industry, and is committed to becoming a “Technology-Based Comprehensive Environmental Service Provider Specialized in Hazardous Waste Disposal”, the main business involves value-added businesses such as municipal waste treatment business, supporting development of environmental engineering and services, and has gradually built an industrial chain of one-stop environmental protection services, accelerate the pace of building a beautiful China.

本集團於環保行業潛心耕耘，致力成為「以危廢處置為基礎的科技型綜合環境服務商」，主營業務涉足市政廢物處理業務、配套發展環境工程及服務等增值性業務，已逐步構建一站式環保服務的產業鏈，加快美麗中國建設步伐。

BUSINESS STRUCTURE OF THE GROUP 集團業務結構



5. Creating Green Environment

締造綠色環境

5.1 BUILDING AN ENVIRONMENTAL BUSINESS

Adhering to the principle of standardized operation, the Group strictly abides by the laws and regulations governing environmental protection businesses, including the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on the Prevention and Control of Solid Waste Pollution, the Renewable Energy Law of the People's Republic of China, the Circular Economy Promotion Law of the People's Republic of China, the Environmental Protection Tax Law of the People's Republic of China, the Measures for the Administration of Permit for Operation of Dangerous Wastes, etc.

The Group persists in the three principles of reduction, harmlessness and recycling in waste treatment. In order to effectively monitor the discharge of pollution sources, we conduct regular internal and third-party monitoring regarding our environmental data, perform environmental impact assessment of the project and implements the "Three Simultaneous" system, as well as publishing the environmental impact assessment report and monitoring results on its official website, thereby providing real-time information on emissions of pollutants to the public for monitoring. The key pollutant discharge units of the Group have set up an automatic monitoring system of pollutant source, which is interconnected with the local Environmental Protection Bureau, enabling a real-time supervision by the Environmental Protection Department. During the Year, the Company did not have any material environmental pollution accidents.

This Report sets out the results of the Group's environmental protection efforts from various aspects of business based on 15 subsidiaries selected from the four core businesses, and elaborates the Group's strong achievements in sustainable development.

The main pollutants and characteristic pollutants discharged by our business, including exhaust and wastewater, have complied with the Emissions Standard of Air Pollutants for Thermal Power Plants (GB 13223-2011), the Pollution Control Standards on Incineration of Hazardous Waste (GB 18484-2001), the first class-B graded standard of the Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB 18918-2002), the Environmental Quality Standard for Surface Water (GB3838-2002), the Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB 18918-2002), and the first standard of the second period set forth in the Discharge Limits of Water Pollutants (DB 44/26-2001) in Guangdong Province.

5.1 打造環保業務

本集團遵從經營環保業務相關的法律法規，包括《中華人民共和國環境保護法》、《中華人民共和國固體廢物污染環境防治法》、《中華人民共和國可再生能源法》、《中華人民共和國循環經濟促進法》、《中華人民共和國環境保護稅法》、《危險廢物經營許可證管理辦法》等，落實規範運營。

本集團的廢物處理遵循減量化、無害化、資源化的三大原則。為有效監察污染源的排放情況，我們已履行項目環境影響評估和實行「三同時」制度，定期進行環境數據的內部監測及第三方監測，並在官方網站發佈環境影響評估報告和監測結果，讓公眾可以實時監察污染物排放。本集團重點排污單位更設有與地方環保局聯網的污染源自動監控系統，讓環保部門進行實時監督。本年度，本公司未發生重大環境污染事故。

本報告在四大核心業務中選取15家子公司，在各業務中多方面匯報本集團對環境保護的成效，闡述本集團於可持續發展方面的有力成果。

我們業務所排放的主要污染物及特徵污染物，包括廢氣及廢水，已符合《火電廠大氣污染物排放標準》(GB 13223-2011)、《危險廢物焚燒污染控制標準》(GB18484-2001)、《城鎮污水廠污染物排放標準》(GB 18918-2002)、《地表水環境質量標準》(GB 3838-2002)、《城鎮污水廠污染物排放標準》(GB 18918-2002)及廣東省《水污染物排放限值》(DB44/26-2001)等標準。

5. Creating Green Environment 締造綠色環境

Industrial Waste Treatment and Resource Utilization

In the business of industrial hazardous waste treatment and resource utilization, we are committed to promoting the United Nations (“UN”) Sustainable Development Goal 12 – “Ensure Sustainable Consumption and Production”, which includes by 2030, through prevention, emission reduction, recycling and reuse methods that greatly reduce waste generation and realize the vision of sustainable management and efficient use of natural resources.

We possess the qualification for treatment of 44 categories of hazardous waste, eliminating environmental pollution hazards across the country. The Group strictly follows relevant national and local environmental protection laws and regulations in its business operation, including the Environmental Protection Law of the People’s Republic of China, the Law of the People’s Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, the Standard for Pollution Control on General Industrial Solid Waste Storage and Disposal Site, the Standard for Pollution Control on Hazardous Waste Storage (GB 18597-2001), the Measures for the Administration of Hazardous Waste Business Licenses and the Administrative Measures for Hazardous Waste Transfer Management, etc.

工業廢物處理及資源化利用

在工業危廢處理及資源化利用的業務中，我們致力推動聯合國可持續發展目標12—「採用可持續的消費和生產模式」，其中目標包括到2030年，通過預防、減排、回收和再利用的方法，大大減少廢物產生，實現自然資源的可持續管理和高效利用的願景。

本集團擁有44類危險廢物處理資質，為全國多個地區消除對環境的污染的風險。本集團在工業廢物處理及資源化利用的業務運營中，嚴格遵守工業廢物處理相關的法律法規經營業務，包括《中華人民共和國環境保護法》、《中華人民共和國固體廢物污染環境防治法》、《一般工業固體廢物貯存、處置場污染控制標準》、《危險廢物貯存污染控制標準》(GB 18597-2001)、《危險廢物經營許可證管理辦法》及《危險廢物轉移管理辦法》等。



Business Model of Industrial Hazardous Waste
工業危險廢物業務模式

5. Creating Green Environment

締造綠色環境

The Group centralizes the collection and treatment of industrial wastes generated by enterprises in Jiangmen and surrounding areas such as the Pearl River Delta through the resource utilization of wastes containing heavy metals.

In the business of industrial hazardous waste treatment and resource utilization, through the combination of different technical, the Group has carried out minimization and detoxification treatment of hazardous waste, and converted useful components in waste into valuable recycled products. We have a wide range of hazardous waste treatment facilities, such as physical and chemical treatment, biological treatment, incineration heat treatment and safe landfill and others related treatment methods. Our professional transport vehicles which collect and transport hazardous waste are equipped with full-process seamless GPS system for strict monitoring.

本集團通過對含重金屬廢物的資源化利用，集中收集和處理江門及珠三角等周邊地區企業所產生的工業廢物。

我們在工業危廢處理及資源化利用的業務中，結合不同技術對危險廢物進行減量化和無害化處理，並將廢物中具有再利用價值的物質轉化為資源化產品。我們設有的物理化學處理、生物處理、焚燒熱處理、安全填埋等相關處理手段方法的多種危險廢物處理設施。從其收集，運輸到處理，我們均採用高規格的作業標準，且收運危險廢物的專業運輸車輛都配備全程無縫GPS系統，以作嚴密監控。

Resource Utilization and Harmless Treatment and Disposal of Industrial Hazardous Waste

工業危險廢物資源化利用及無害化處理處置



Collection and Transportation of Industrial Hazardous Waste 工業危險廢物收集與運輸

Certified professional collection and transportation team
專業收運團隊，持證上崗

Professional transport vehicles for hazardous waste
危險廢物專業運輸車輛

Full-process seamless GPS monitoring
全程無縫GPS監控



Recycling of Industrial Waste 工業廢物資源化利用

17 treatment bases for recycling
17個資源化處理基地

Final discharge of wastewater met relevant standards
廢水最終排放達到相關標準



Detoxification Disposal of Industrial Hazardous Waste 工業危險廢物無害化處置

3 provincial-level treatment base for hazardous waste
3個省級危險廢物處理基地

Hazardous waste processing capacity of over 2.3 million tonnes per year
年逾230萬噸危廢處理能力

Emissions of flue gas met relevant standards
煙氣排放達到相關標準

5. Creating Green Environment 締造綠色環境



Case: Jiangmen DongJiang - Resource utilization and harmless treatment and disposal of copper salt products

案例：江門東江－銅鹽產品資源化利用及無害化處理處置

Jiangmen DongJiang produces copper sulfate, basic copper carbonate and other copper salt products through comprehensive treatment and recycling of copper-contained waste. At the same time, Jiangmen DongJiang recovers industrial grade ammonium chloride through integrated treatment of ammonia nitrogen in the copper-containing waste liquid, so as to enable thorough treatment and full utilization of various pollutants in waste liquid containing copper. In addition, organic solvents and waste mineral oil are recycled through reprocessing and reusing waste organic solvents and waste mineral oil. Industrial liquid and solid waste undergo minimization and detoxification treatment and disposal through physicochemical, evaporation and biochemical processes and advanced treatment systems before disposal.

江門東江會對含銅廢物處理和資源化綜合利用，生產硫酸銅、鹼式碳酸銅等系列銅鹽產品。同時，江門東江對含銅廢液中的氨氮進行綜合處理，回收工業級氯化銨，使含銅廢液中各類污染物得到徹底處理和充分利用。另外，江門東江通過廢有機溶劑和廢礦物油的再生利用處理，回收有機溶劑和礦物油；而對於工業廢液及工業固體廢物則通過物化、蒸發、生化及深度處理系統進行減量化、無害化的處理處置。

2021 Resource Utilization Achievements

2021年資源化利用成果

Alkaline copper	鹼銅	406.39 tonnes噸
Ammonium chloride	氯化銨	16,299.86 tonnes噸
Copper sulfate	硫酸銅	1,727.96 tonnes噸
Copper (II) carbonate	碳酸銅	67.79 tonnes噸
Copper (II) hydroxide	氫氧化銅	6,264.44 tonnes噸

• Municipal Waste Treatment

Dongjiang Environmental is committed to fulfilling UN Sustainable Development Goal 7—"Affordable and Applicable Clean Energy". We mainly operate the business model of the municipal waste landfill, municipal sewage treatment, landfill odour control, leachate treatment, food waste treatment and other municipal waste treatment and disposal to biogas power generation renewable resources utilization, and strive to actively develop the scale of qualifications in the field of domestic waste recycling and resource utilization.

• 市政固體廢物處理

東江環保致力實踐聯合國可持續發展目標7—「經濟適用的清潔能源」。我們主要運營市政垃圾填埋、市政污水處理、填埋場臭氣控制、滲濾液處理、餐廚垃圾處理等市政廢物的處理處置到沼氣發電再生資源利用的業務模式，並努力積極開拓生活垃圾回收處理及資源化利用領域的資質規模。

5. Creating Green Environment 締造綠色環境

As of the end of 2021, the Group has 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 more than 130 million kWh, which can be used by more than 100,000 residents throughout the Year. At the same time, it can reduce the pollution of 90 million cubic meters of landfill gas to the atmospheric environment.

截至2021年底，本集團共有4個填埋氣發電項目，包括下坪垃圾填埋場氣發電項目、深圳老虎坑垃圾填埋氣發電項目、合肥市龍泉山生活垃圾填埋氣發電工程項目、南昌麥園垃圾處理廠填埋氣發電項目。四個填埋氣電廠的總裝機容量達21兆瓦，年發電量超過1.3億度，可供超過10萬戶居民全年使用，同時可削減9千萬立方米填埋氣對大氣環境的污染。



Case: Shenzhen Renewable Energy – Xiaping Landfill Gas Power Generation Project 案例：深圳再生能源—下坪垃圾填埋場氣發電項目

“Xiaping Landfill Gas Power Generation Project” uses domestic waste landfill biogas for power generation, encouraged and supported by the state, and has been rated as “Pengcheng Advanced Waste Reduction Enterprise” and “Guangdong Province Environmental Protection Excellent Demonstration Project” for many times.

The power plant of Renewable Energy is equipped with 10 gas-fired generator sets with a total installed capacity of 10MW, making it the landfill gas power plant with the largest installed capacity in China. The power plant generates electricity 24 hours a day and provides 220,000 kWh of green power to the Shenzhen power grid every day, which can be used by 60,000 residents in Shenzhen.

「下坪垃圾填埋場氣發電項目」利用生活垃圾填埋場所產生的沼氣發電，屬於國家鼓勵和支持的資源綜合再利用型電廠，先後多次被評為「鵬城減廢先進企業」及「廣東省環境保護優秀示範工程」。

再生能源電廠配備燃氣發電機組10台，總裝機容量達10兆瓦，為國內裝機容量最大的填埋氣發電廠。發電廠全天24小時不間斷發電，每天向深圳電網提供22萬度的綠色電力，可供深圳市6萬戶居民使用。



2021 Waste Treatment Results for Shenzhen Renewable Energy

Food waste collection and transportation
廚餘垃圾收運量
Approximate 約 87,200 tonnes噸

Landfill volume
垃圾堆填量
Approximate 約 127,380 tonnes噸

深圳再生能源 2021年廢物處理成果

Disposal amount of food waste
廚餘垃圾處理量
Approximate 約 60,000 tonnes噸

Average annual power generation
平均年發電量
Approximate 約 51,200 MWh兆瓦時



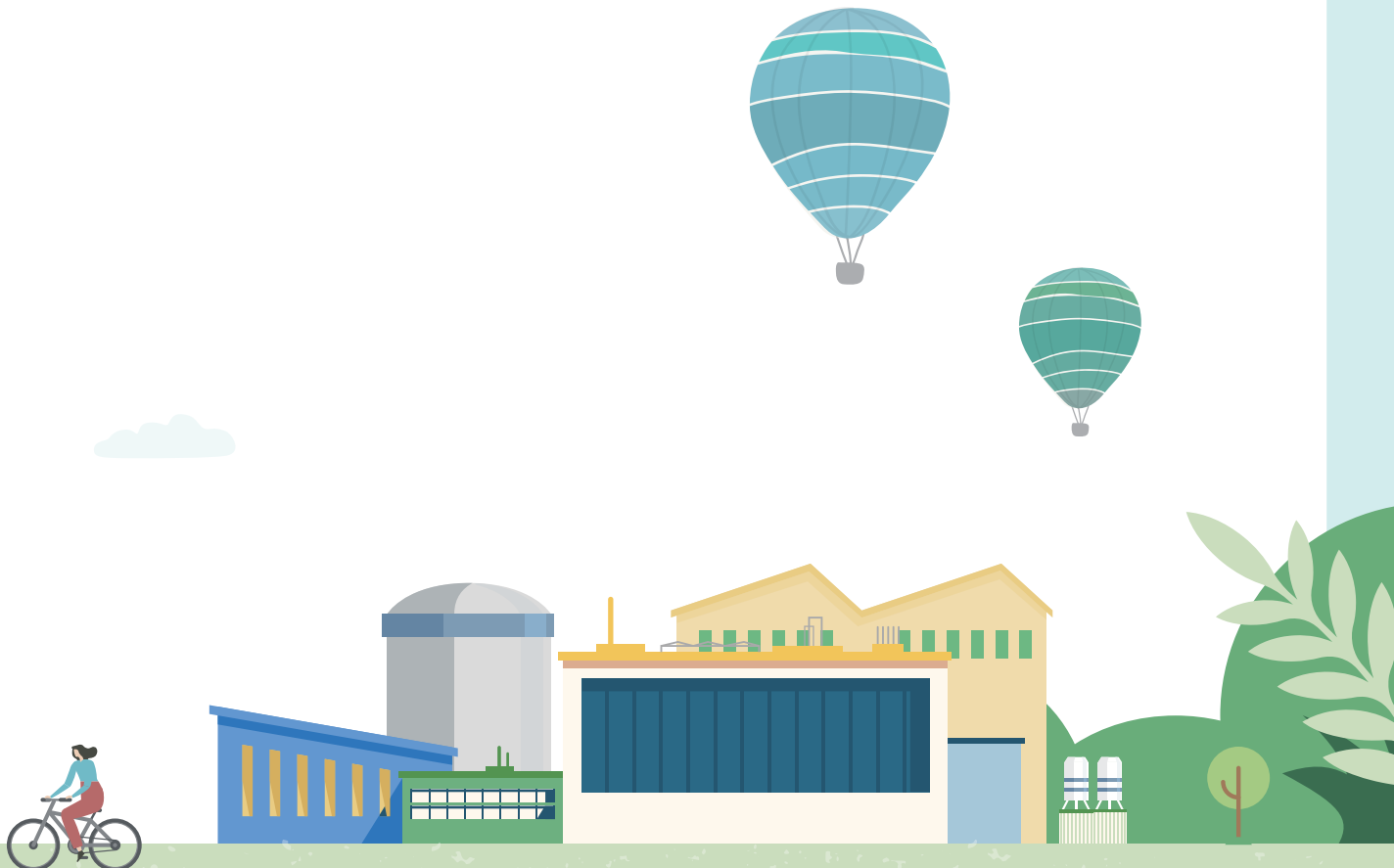
5. Creating Green Environment 締造綠色環境

- **Environmental Protection Services**

The Group provides one-stop comprehensive environmental protection services, tailor-made environmental protection engineering services and environmental value-added businesses that suit the corporates' needs. Environmental engineering and services mainly provide technical consultation, design, construction, operation and management of environmental protection facilities engineering, as well as environmental impact assessment and environmental testing. We mainly engaged in the business of industrial wastewater treatment, providing tailor-made wastewater treatment solutions for customers in various industries. We promoting the UN Sustainable Development Goal 6: Clean drinking water and sanitation - "Ensuring access to water and sanitation for all and maintaining sustainable development." The goal is to improve water quality by reducing pollution, eliminating waste dumping, reducing the discharge of hazardous chemicals and materials to a minimum, and halving the proportion of untreated wastewater by 2030.

- **環保服務**

本集團為企業度身訂造適合其需要的環保工程服務及提供環保增值性業務的一站式綜合環保服務。環境工程及服務主要提供環境保護設施工程的技術諮詢、設計、建設、運營管理，以及環境影響評價和環境檢測等。我們主力經營工業廢水處理的業務，為各式各樣行業客戶提供度身訂造的廢水處理方案。我們推動聯合國可持續發展目標6：清潔飲水和衛生設施－「為所有人提供水和環境衛生並對其進行可持續管理」，目標在2030年透過減少污染來改善水質，把傾倒廢物現象消除，減少危險化學品和材料的排放到最低限度，將未經處理廢水比例減半。



5. Creating Green Environment

締造綠色環境

Planning stage 規劃期



01

Environmental management
consultation
環境管理諮詢

Environmental feasibility study
環境可研

Environmental planning
環境規劃

Classified management and technical guidance
on wastewater
廢水分類管理與技術指導

Design of environmental facilities
環境保護設施的設計

Environmental engineering construction
環境工程建設

Environmental engineering contracting
環境工程總包

Construction stage 建設期



02

Operation stage 運營期



03

Operational services of environmental facilities
環保設施的運營服務

Waste classification, collection and delivery and treatment
廢物分類、收運、處理

Packaging management standards and technical guidance
包裝管理規範和技術指導

Environment and product inspection
環境及產品檢測

Provision of chemical raw materials
提供化工原料

Environmental evaluation on reconstruction and expansion
改建、擴建環境評價

Design of environmental treatment facilities
環境治理設施設計

General contracting of construction
施工總承包

Construction stage 擴建期



04

Provision of one-stop environmental services of enterprises at various development stages
為企業不同發展階段提供一站式環保服務

5. Creating Green Environment 締造綠色環境



Case: Qianhai Dongjiang – Heavy Metal Wastewater Treatment Process 案例：前海東江－重金屬廢水處理工藝

Our customers are mainly companies in the electroplating and circuit board industries, providing them with services for the construction and operation of industrial wastewater engineering projects.

Qianhai Dongjiang have tailored different wastewater treatment processes for different types of wastewater, including general cleaning wastewater, organic wastewater, and complexation wastewater, ink wastewater, acid waste liquid, nickel-containing wastewater and cyanide-containing wastewater. When treating organic wastewater, Qianhai Dongjiang adopt the “chemical precipitation + anaerobic + contact oxidation + membrane bioreactor (MBR)” treatment process, to improve the recycling rate of wastewater. After all kinds of wastewater are treated, the main pollutants of the wastewater meet the effluent quality standards required by customers.

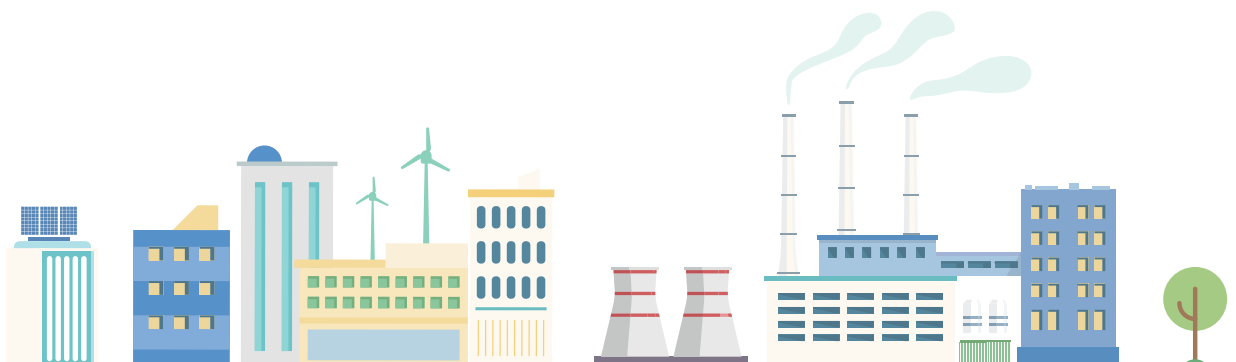
前海東江的客戶主要為電鍍及線路板行業的公司，向其提供承建與運營的工業廢水工程項目的服務。我們分別對其不同類型的廢水度身制定不同的廢水處理工藝流程，包括一般清洗廢水、有機廢水、絡合廢水、油墨廢水、酸性廢液、含鎳廢水及含氰廢水。在處理有機廢水時，前海東江採用「化學沉澱+厭氧+接觸氧化+膜生物反應器(MBR)」處理工藝，提高廢水回用率。各類廢水經過處理後，廢水的主要污染物都達到客戶要求的出水水質標準。

2021 wastewater treatment results for Qianhai Dongjiang

Annual wastewater operations
年度廢水運營量
Approximate 約 4,782,000 cubic meters立方米

前海東江 2021年廢水處理成果

Annual wastewater reuse
年度廢水回用量
Approximate 約 956,000 cubic meters立方米



5. Creating Green Environment

締造綠色環境

5.2 IMPLEMENTING GREEN OPERATION

As a leading environmental protection company in the country, we are fully aware of our responsibility to protect the environment. Therefore, we have initially set directional goals for this Year:

5.2 踐行綠色運營

作為一家為國家領先的環保企業，我們深知我們保護環境的責任。因此，我們已於本年度初步定下方向性目標：

Target 目標

Emission of greenhouse gases
溫室氣體排放



- According to the Group's energy saving measures, actively implement, the intensity of greenhouse gas emissions will be maintained or gradually reduced in the future at similar levels of operations.

根據集團的節約能源措施，積極落實執行，未來將在運營水平相若的情況下維持或逐步減少溫室氣體排放的密度。

Energy efficiency
能源使用效益



- According to the Group's energy saving measures, actively implement, the density of power consumption will be maintained or gradually reduced in the future at similar levels of operations.

根據集團的節約能源措施，積極落實執行，未來將在運營水平相若的情況下維持或逐步減少耗電密度。

Water efficiency
用水效益



- According to the Group's water conservation measures, actively implement, the intensity of water consumption will be maintained or gradually reduced in the future at similar levels of operations.

根據集團的節約用水措施，積極落實執行，未來將在運營水平相若的情況下維持或逐步減少耗水密度。

Waste reduction
減少廢棄物



- According to the Group's material saving measures, actively implement, the density of waste generation will be maintained or gradually reduced in the future at similar levels of operations.

根據集團的節約用材措施，積極落實執行，未來將在運營水平相若的情況下維持或逐步減少廢棄物產生密度。

5. Creating Green Environment 締造綠色環境

• Pollution Prevention and Control Measures

While focusing on the development of environmental business, we also actively implement energy-saving and emission-reduction measures in industrial waste treatment business and municipal waste treatment. Through a series of pollution prevention and control measures, we are committed to reducing the impact on the environment.

• 污染防治與控制措施

我們在聚焦環境業務發展的同時，亦積極在工業廢物處理業務及市政廢物處理方面實行施節能減排舉措管理，透過一系列的污染防治與控制措施，致力減低對環境的影響。

Industrial waste treatment 工業廢物處理業務

Exhaust Gas Treatment 廢氣處理



- Equip physical and chemical treatment plant with the exhaust gas purification system and the purified exhaust gas meets the emission standards
物化處理車間設有廢氣淨化系統，淨化後的廢氣達標排放
- Set up exhaust gas treatment system at the incineration plants and the treated exhaust gas meets the emission standards
焚燒車間設有尾氣處理系統，處理後的尾氣達標排放

Wastewater Treatment 廢水處理



- Establish a wastewater treatment system that adapts to change of water quality and quantity
建立能適應水質水量變化的廢水處理系統
- Reuse part of treated wastewater that meet the standards and discharge the rest
廢水處理達標後部分回用，其餘外排

Solid Waste Treatment 固體廢物處理



- Production workshop is responsible for recycling sludge with high metal content that is generated from pressure filtering pre-treatment of raw materials and impurity removing process of mother liquor
原料預處理壓濾、母液除雜壓濾產生的含金屬污泥中金屬含量較高，由生產車間回收利用
- Transport of residue from sewage treatment to safe landfill
廢水處理產生的廢渣送至安全填埋場

Noise Control 噪聲控制



- Select low-noise equipment
選用低噪聲設備
- Install hosepipes, mufflers, and noise enclosures
裝設軟管、消聲器、隔聲罩
- Install sound-absorbing materials in indoor walls
室內牆壁安裝吸聲材料

5. Creating Green Environment

締造綠色環境

Municipal Waste Treatment 市政廢物處理

Dust Treatment 粉塵處理



- Spray water at landfills sites, soil extraction sites, access routes and roads within the operating area on a regular basis
在垃圾填埋作業區、土源採掘區、進場公路和場區道路等區域定期灑水

Exhaust Gas Treatment 廢氣處理



- Utilize treated biogas in a biomass power generation and supply electricity to local residents once connected to the grid
將填埋氣處理後作為生物質能源發電，並網後供應當地居民生產生活用電

Leachate Treatment 滲濾液處理



- Separate discharge system for clean water and leachate at the site
場區清水和滲濾液各自形成獨立排放系統
- After quality and quantity treatment at the retention basin, leachate collected will be treated up to standard at the leachate treatment plant and discharged through pipes
滲濾液收集進入調節池進行水質水量調節後，再經滲濾液處理站處理達標後由管道外排
- Adopt horizontal impermeable liner made of HDPE at the bottom of the landfill to prevent leakage
採用水平防滲法，在填埋場場底鋪設HDPE防滲膜作為防滲層

Greening 綠化



- Upon completion of construction, undertake greening works to access routes, soil extraction sites, vacant sites, leachate treatment and office buildings
施工結束後對進場道路兩側、土源取土後的場地、場區空地、滲濾液處理站及辦公樓等處進行綠化
- Carry out planting works with plants that can absorb or are resistant to irritant gases such as hydrogen sulphide and ammonia
綠化植物以對硫化氫、氨等刺激性氣體具有吸收或抗性作用的植物為主
- Perform timely greening and restoration works on the surface of landfill and the surface after closure
填埋場最終覆土面及封場後的表面及時進行綠化和復墾

Noise Control 噪聲控制



- Select low-noise equipment
選用低噪聲設備
- Adopt noise insulation and absorption measures for the pumping device at the equalization basin
對調節池的泵類設備採取隔音和消音等措施



5. Creating Green Environment 締造綠色環境



- **Green Production Solutions**

Through the research and development of different environmental protection technologies, the Group is committed to promoting green production in various aspects such as alternative materials, equipment improvement, production process improvement, waste recycling and employee management, and strives to reduce carbon emissions, reduce environmental pollution and conserve natural resources.

- **綠色生產方案**

本集團致力透過研發不同環保技術，在替代材料、設備改進、改善生產過程、廢棄物循環再用、員工管理等多方面，持續致力推動綠色生產，力求減少碳排放、減少環境污染和節約天然資源。

Energy Saving 節能

- 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
以油氣兩用鍋爐取代燃油鍋爐，令生產過程可利用天然氣減少碳排放
- Replace high-energy lamps with energy-saving led lighting
以節能型LED照明取代高耗能燈具
- Flue waste heat recovery
煙道餘熱循環再用
- Introduce variable frequency power equipment
引進變頻動力裝置
- Monitor plant power consumption daily
每日監察廠房用電量
- Implement departmental energy conservation incentive programs to encourage competition among departments for energy efficiency performance
實行部門節能獎勵計劃，鼓勵部門間在節能表現上競爭

Water Saving 節水

- Use recycled wash water
循環使用物料洗滌水
- Replace the inclined plate sedimentation tank with MBR membrane to improve wastewater treatment capacity
用MBR膜替代斜板沉澱池，提高廢水處理能力
- Condensate water for recycling and reuse
冷凝水循環再用
- Improve physical and chemical wastewater treatment programs
提升物理性及化學性污水處理程序
- Monitor plant water consumption daily
每日監察廠房用水量
- Reuse wastewater with high ammonia nitrogen and distilled water
高氨氮廢水蒸餾水回用
- Wash factory equipment with reused water
使用回用水清洗廠內設備

5. Creating Green Environment

締造綠色環境

Safety and Environmental Protection Digital Construction

During the Year, the Group continued to promote the special campaign of “Prosperity through Science and Technology”, and launched the construction of the second phase of the “Safe Dongjiang” intelligent safety and environmental management platform. Relying on platform functions, IoT devices such as smart cameras, infrared/smoke sensors, toxic and harmful gas monitoring, GPS, liquid level gauges, etc, have changed the status quo of manual investigation, which is time-consuming and labor-intensive, and the investigation is not detailed enough in the past. All-round monitoring of enterprise risk sources is carried out, and AI algorithms are used to improve risk identification capabilities, so that safety and environmental management personnel can monitor on-site working conditions and equipment operation conditions online in real time and intuitively, and deploy control, command, and disposal in a timely manner. At the same time, we carried out dynamic monitoring of key operating data, abnormal high temperature and high pressure, toxic and harmful gas emissions, etc., to achieve the advance of the inspection and management of safety and environmental hazards, source control, and strive to fundamentally eliminate hidden dangers. Through digital technology, the Group has continuously improved the modernization of the Group’s safety and environmental protection governance system and governance capabilities, creating a safe and stable development environment for the Company’s high-quality development.

安全環保數字化建設

本年度，本集團持續推進「科技興安」專項行動，開展「平安東江」智慧安環管理平台二期項目建設。依託於平台功能，我們將智能攝像頭、紅外／煙霧傳感器、有毒有害氣體監測、GPS、液位計等物聯網設備，改變過去人為手動排查，耗時耗力，排查不夠精細的現狀，對企業風險源進行全方位布網監控，並借助AI算法提升風險識別能力，讓安環管理人員可以實時、直觀地對現場工況和設備運行情況進行在線監控，並適時布控、指揮、處置。同時，我們對關鍵運行數據、異常高溫高壓、有毒有害氣體排放等情況進行動態監測，實現了安環隱患排查治理的關口前移、源頭管控，著力從根本上消除事故隱患。本集團通過數字化技術，不斷提升集團安全環保治理體系和治理能力現代化，為公司高質量發展創造安全穩定的發展環境。



This Year’s Green Production Research and Development Case: Initial Rainwater Film Treatment System Research

本年度綠色生產研發案例：初期雨水膜處理系統研究

In order to improve the reuse of wastewater, we conduct research on the treated initial rainwater, and determine the research goals to help enhance the Company’s waste treatment capacity and save water consumed by industrial production.

We use energy-saving and environmentally friendly methods of physical isolation, biochemical treatment and membrane separation to treat wastewater, reducing the wastewater using the traditional addition of related chemicals to neutralization, precipitation, pressure filtration, evaporation, and biochemical tedious processing steps. At the same time, we optimize the wastewater treatment process and save chemicals, so that it can reduce secondary pollution and reduce treatment procedures. The treated wastewater can be discharged up to the standard and can be reused.

為提高廢水的再次利用，我們針對經處理後的初期雨水進行研究，確定研究目標有利於增強公司的廢物處理能力，並能節約工業生產所消耗的水資源。

我們採用了物理隔離、生化處理及膜分離的節能環保的方法處理廢水，減少廢水採用傳統的添加相關化學藥劑進行中和、沉澱、壓濾、蒸發、生化的繁瑣處理步驟。同時，我們優化廢水處理工藝，節約化學藥劑，使其可減少二次污染及減少處理工序，處理後的廢水既能實現達標排放，也可以再次利用。

5. Creating Green Environment 締造綠色環境

• Green Office Operation

In addition to its core business, the Group strictly abides by environmental laws and regulations, and actively practices environmental protection operations. A series of green office and operation requirements have been promoted, and energy conservation and emission reduction have been incorporated into the Company's daily management. We have formulated the "strict diligence and frugality, against extravagance and waste" proposal establish a thrifty corporate culture from five aspects: water saving, electricity saving, resource saving, travel saving and mail saving. We encourage each employee to start from themselves, to save energy and reduce consumption at work, and to develop a good habit of diligence and thrift.

In terms of packaging materials, the Group generates very little packaging materials in its daily operations. Packaging materials are not an important issue in the Group's business, so no relevant disclosure will be made. For data of energy consumption, water consumption and waste for the Year, please refer to Appendix I: KPI Data Table. In addition, the Group does not have any issues in sourcing of water.

• 綠色辦公運營

除了核心業務，本集團嚴格遵守環境相關法律規定，同時積極踐行環保運營，已推廣一系列綠色辦公及運營要求，將節能減排納入公司的日常管理之中。我們已制定「厲行節約，反對浪費」倡議書，從節約用水、節約用電、節約資源、節約出行及節約郵寄五大方面，樹立勤儉節約的企業文化。我們鼓勵每位員工從自身出發，在工作中做到節能降耗，養成勤儉節約的好習慣。

包裝材料方面，本集團在日常營運中產生的包裝材料甚微，包裝材料並非本集團業務的重要議題，故不作有關披露。本年度的能源及水消耗量，以及廢棄物數據請參閱附錄一：關鍵績效指標數據表。此外，我們在獲取適當水源上沒有任何問題。

Saving Water 水資源管理



- Reduce water flow in using water, turn off the faucets after use
用水時注意控制用量，使用後關好水龍頭
- Strengthen regular maintenance of faucets and other water-using facilities, report for timely repair of faulty facilities
加強水龍頭等用水設備的日常維護和管理，定期進行水管滲漏測試，發現損壞及時報告維修
- Post water-saving labels in conspicuous places
於明顯位置張貼節水標籤
- Bring own reusable cup at internal meetings
參與內部會議時，儘量自行攜帶水杯
- Serve water from water dispensers instead of bottled water when receiving clients or guests
會客接待時儘量使用飲水機替代支裝水

5. Creating Green Environment

締造綠色環境

Saving Electricity 節約用電



- Pre-set temperature of air-conditioning to 26 degrees Celsius in summer and 20 degrees Celsius or below in winter; stipulate the operating hours
明確規定空調度數使用時間及溫度，空調度數夏天設置為26℃，冬天20℃以下
- Turn on “sleep” mode to save power when the computer is not in use for a short time
短時間不使用電腦時，啟用「睡眠」模式，節省電力
- Check and fully shut down all electronic devices before weekends and holidays
週末及節假日離開前，檢查及關閉辦公區及工位上的一切設備電源
- Turn off lights when not in use
使用電燈後及時關閉相關設備
- Set brightness of monitors to medium level
把屏幕顯示器調成中等亮度

Reducing Consumption of Resources 節約資源



- Advocate electronically-processed and paperless office administrative system
提倡辦公信息化及無紙化
- Abide by the principle of “no photocopying of conference materials or unnecessary materials” and “recycled papers for printing drafts, double-sided printing for official documents”, thereby reducing use of papers
按照「上會材料不複印，非必要不複印」和「文件初稿舊紙打印、正式公文雙面打印」的原則，切實減少辦公用紙數量
- Reduce the use of disposable paper products, replace with towels
減少紙巾等一次性紙製品使用，以抹布、毛巾替代
- Reuse office supplies such as shelves and envelopes
重複利用書架、信封等辦公用品
- Use refillable pens
選擇可更換替芯的筆

Green travel 節約出行



- Reduce the number of business meetings by replacing with video and teleconferencing
以視頻、電話會議減少公幹會面
- Improve vehicle scheduling and arrange for employees along similar routes to share the same vehicle
提前預約用車，各部門相近路線可拼車，集中安排
- Reduce use of private vehicles, utilize public transportation
減少使用私家車，利用公共交通綠色出行

Reducing Posting 節約郵寄



- Deliver internal mail by internal staff members to reduce posting
本集團內部信件往來盡可能委託本單位人員轉送，減少郵寄
- Reduce weight of packaging
郵寄包裝需輕便減重



5. Creating Green Environment 締造綠色環境



5.3 MANAGEMENT OF CARBON EMISSIONS

As a pioneer and an important participant in China's environmental protection field, Dongjiang Environmental fully supports the national "30.60 dual carbon goals" and pay close attention to the issue of climate change. The Group continues to promote the UN Sustainable Development Goal 13: Climate Action – "Take Urgent Action to Combat Climate Change and its Impacts" in this Year. We are committed to energy conservation and carbon reduction in our daily operations in order to practice environmental protection in every detail across our operations.

Our greenhouse gas ("GHG") emissions are calculated in accordance with ISO 14064-1 established by International Organization for Standardization and the Greenhouse Gas Protocol developed by World Resources Institute and World Business Council for Sustainable Development. The GHG emissions summary of the headquarters office building and fifteen major subsidiaries for the Year is listed in Appendix I: KPI Data Table.

GHG emissions of the Group can be categorized into direct emissions (Scope 1) and indirect emissions (Scope 2). The GHG emissions in each scope are derived from the fuel consumption by the fixed equipment of the Group, the fuel consumed by its vehicles and refrigerants (Scope 1) and electricity and steam consumption during its operation (Scope 2), respectively. In this Year, the total GHG emissions (Scope 1 & 2) within the scope of data collection was 128,867.42 tonnes of CO₂e, and the emission intensity was 0.08 tonnes of CO₂e/m². The Group has actively implemented energy saving measures to effectively reduce GHG emissions.

5.3 碳排放管理

東江環保作為中國環保領域的先行者及重要的參與者，我們全力支持國家「30·60雙碳目標」，密切關注氣候變化的問題。本集團於本年度繼續推動聯合國可持續發展目標13：氣候行動－「採取緊急行動應對氣候變化及其影響」，我們在日常運營上致力節約能源，保護環境，在每一個運營細節當中落實減少碳排放。

我們的溫室氣體排放是根據國際標準化組織的ISO14064-1及世界資源研究所與世界可持續發展工商理事會開發的《溫室氣體盤查議定書》計算，本年度，總部辦公大樓及十五家主要子公司的溫室氣體排放概要載列於附錄一：關鍵績效指標數據表。

本集團的溫室氣體排放可分為直接排放(範圍1)及間接排放(範圍2)。各範圍內的溫室氣體排放分別來自本集團固定設備的燃料消耗、車輛燃油消耗及製冷劑(範圍1)及運營時的電力及蒸氣消耗(範圍2)。本年度，數據範圍內的溫室氣體排放總量(範圍1及2)為128,867.42公噸二氧化碳當量，排放強度為每平方米0.08公噸二氧化碳當量。我們已積極採取一系列節約能源的措施，以有效減少溫室氣體排放。



5. Creating Green Environment 締造綠色環境

The Group's business involves projects such as industrial waste disposal and municipal solid waste disposal, which involve incineration processes and thus generate air pollutants, including sulfur dioxide (SO₂), nitrogen oxides (NO_x) and particulate matter. In order to reduce the generation of air pollutants, we have implemented strict operating guidelines and 24-hour online monitoring during the incineration process.

In order to reduce the generation of air pollutants, the Group actively explores new processes and technologies to effectively remove and reduce harmful gases. At present, the incineration rotary kiln flue gas treatment facilities of major hazardous waste incineration units mainly adopt "waste heat boiler (SNCR denitration) + semi-dry deacidification (quenching deacidification tower) + dry reactor (baking soda powder, activated carbon injection) + air box pulse bag filter + precooler + alkali washing tower + flue gas heating + chimney high-altitude emission" process and discharge after treatment.

本集團業務涉及工業廢物處置及市政固廢處置等項目，當中涉及焚燒工序並從而產生空氣污染物，包括二氧化硫(SO₂)、氮氧化物(NO_x)及顆粒物等。為減少空氣污染物產生，我們已在焚燒的過程中實施嚴謹的操作指引程序及實行24小時在線監測。

為減少空氣污染物產生，本集團積極探索新工藝、新技術，有效地去除和減少有害氣體。目前各主要危險廢物焚燒單位的焚燒回轉窯煙氣處理設施主要採用「餘熱鍋爐(SNCR脫硝)+半乾法脫酸(急冷脫酸塔)+乾式反應器(小蘇打粉、活性炭噴射)+氣箱脈衝袋式除塵器+預冷器+鹼洗塔+煙氣加熱+煙肉高空排放」工藝處理後排放。

Air pollutants	Unit	Industrial waste disposal and municipal solid waste disposal projects 工業廢物處置及市政固廢處置等項目	Company vehicle emissions 公司車輛排放	2021 total emissions 2021年總排放量
Nitrogen oxides (NO _x) 氮氧化物(NO _x)	Tonnes 公噸	89.80	12.86	102.66
Sulphur oxides (SO _x) 硫氧化物(SO _x)	Tonnes 公噸	40.30	0.02	40.32
Particulate matter (PM) 顆粒物(PM)	Tonnes 公噸	5.60	0.92	6.52

5. Creating Green Environment 締造綠色環境



5.4 COPING WITH CLIMATE CHANGE

Climate change is an important environmental issue of global concern. Dongjiang Environmental vigorously develops new energy business, plays the role of new energy industry in optimizing energy structure and ecological civilization construction, and continuously strengthens its own environmental management construction to help the country realize the vision of “carbon peaking” and “carbon neutrality”.

The Group closely monitors the potential impact of climate change on our business and operations and has identified potential climate-related risks that may affect the Group’s business activities. Our business and employees may be affected by physical risks, and infrastructure and facilities may be damaged by extreme weather such as flooding, super typhoons, and extreme rainfall. At the same time, we actively respond to national policy trends and accelerate the green, low-carbon and circular development of the environmental protection industry to address the technological risks brought by climate change.

5.4 應對氣候變化

氣候變化是全球關注的重要環境問題。東江環保大力發展新能源事業，發揮新能源產業在優化能源結構和生態文明建設中的作用，並不斷加強自身環境管理建設，助力國家實現「碳達峰」及「碳中和」的願景。

本集團密切監察氣候變化對我們業務及營運的潛在影響，並已識別可能影響本集團業務活動的潛在氣候相關風險。我們的業務及員工可能會受物理性風險影響，基礎建設和設施可能受水浸、超級颱風、極端降雨等極端天氣破壞。同時，我們積極響應國家政策趨勢，加快環保產業的綠色低碳循環發展，以應對氣候變化帶來的技術風險。

Identified climate
change risks
已識別的氣候變化風險

Coping methods
應對方法

Physical Risk
物理性風險



- Review the business impact of extreme weather and factor this impact into the development of contingency plans
審視極端天氣對業務的影響，並將該影響納入制定應急方案中進行考量
- Consider appropriately adding backup power storage equipment and backup water storage tanks according to the situation of each subsidiary
根據各附屬公司情況，考慮適當增加後備儲電設備及後備儲水缸
- Provide relevant coping training to employees
向員工提供相關應對培訓
- Communicate with suppliers in advance on emergency response measures in extreme situations
提前與供應商溝通極端情況下的緊急應對措施



5. Creating Green Environment

締造綠色環境

Identified climate
change risks
已識別的氣候變化風險

Coping methods
應對方法

Technical Risk
技術風險



- Track the latest environmental protection engineering technology in the market
追蹤市場最新的環保工程科技
- We are studying the feasibility of converting excess sludge from sewage treatment into renewable fuels
我們正研究以污水處理的剩餘污泥轉化為再生能燃料的可行性

Policy and Regulatory Risk
政策和法規風險



- Reduce energy consumption, thereby reducing purchased emission credits and CO₂ emissions
減少能源消耗，從而減少購買的排放信用額和二氧化碳排放量
- Improve energy efficiency and switch to renewable fuels, thereby reducing reliance on fossil fuels
提高能源效率並轉向使用可再生燃料，從而降低了對化石能源依賴
- Improve facility energy efficiency
提高設施能源效益
- Strictly monitor the environmental protection indicators of subsidiaries to ensure compliance with relevant environmental protection regulations
嚴格監控下屬公司的環保指標，確保符合相關環保法規

6. Strengthening Standardized Operation 強化規範運營

The Group advocates standardized operation, and anti-corruption, therefore we strengthen the implementation of safety and environmental protection management, strictly control the quality management of products and services, maintain information privacy security and maintain intellectual property rights, and add the principle of sustainable development to supply chain management.

本集團主張規範經營，反腐倡廉，所以加強落實安全環保的管理工作，嚴格控制產品和服務質量管理，維護信息隱私安全及維護知識產權，並在供應鏈管理中加入以可持續發展的原則。

6.1 SAFETY, HEALTH AND ENVIRONMENTAL MANAGEMENT

6.1 安全健康環境管理

We implement safety environment and quality management, and passed the certification of Occupational Health and Safety Management system (ISO45001) and Environmental Management System (ISO14001) in 2013. We are an environmental protection enterprise that carried out system work earlier and passed the certification in the industry. In October 2021, the Company also passed the certification of Occupational Health and Safety Management System and Environmental Management System. The two systems provide standards and norms not only for the care of employees, but also for the improvement of the environment, allowing us to allocate and save resources more rationally, thereby reducing environmental pollution and improving the environment.

我們貫徹落實安全環境及質量管理，於2013年通過了職業健康管理體系(ISO45001)和環境管理體系(ISO14001)的認證，在業內是屬於較早開展體系工作並通過認證的環保企業。而在2021年10月，公司也通過了職業健康管理體系和環境管理體系的認證。兩套體系不僅從對員工的關愛，也從對環境的改善提供了標準及規範，讓我們更加合理地配置和節約資源，從而減少對環境的污染，改善環境。



ISO 45001 體系證書
Certificate of ISO 45001 series



ISO 14001 體系證書
Certificate of ISO 14001 series

6. Strengthening Standardized Operation 強化規範運營

The Group strictly complied with the Production Safety Law of the People's Republic of China, the Law of People's Republic of China on the Prevention and Treatment of Occupational Diseases, the Administrative Measures for Occupational Health Inspection, the Environmental Protection Law of the People's Republic of China, the Environmental Management System Requirements and User Guidelines (GB/T24001-2016) and the Occupational Health and Safety Management Systems Requirements with User Guidelines (GB/T45001-2020) and other laws and regulations regarding safety, health and environmental protection, and formulated the Quality, Environmental and Occupational Health and Safety Management Handbook, the Management Regulations on Safety and Environmental Protection Inspection, the Three Simultaneities Management System of Safety and Environmental Protection, the Workplace and Behavior Safety Management Regulations and the Occupational Health Management Regulations, etc., in order to refine the content and requirements of safety and environmental protection inspections, control the environmental impact, safety and occupational health risks that may arise from the project, and protect the personal safety and health of employees and company property during production activities.

The Group has established a robust and sound safety and environmental protection ("EHS") management system and has established an EHS management committee at the headquarters, which is responsible for regularly analyzing the Group's EHS work situation, coordinating, guiding, supervising, researching, coordinating and solving major EHS issues.

We have established separate EHS departments for subsidiaries with more than 100 employees or units involved in the operation of hazardous waste or hazardous chemicals, construction and transportation of hazardous goods, and equipped with full-time EHS personnel. Units with a separate EHS department have also established an EHS management leading group (or safety committee), with the person in charge of the institution as the main person in charge to comprehensively coordinate the EHS management affairs of the unit. In addition, we have registered safety engineers for production and storage units of dangerous goods, as well as mines and metal smelting units to manage safe production. Such a strict management system can guarantee the smooth development of related projects and the safety of employees.

本集團嚴格遵守《中華人民共和國安全生產法》、《中華人民共和國職業病防治法》、《職業健康檢查管理辦法》、《中華人民共和國環境保護法》、GB/T24001-2016《環境管理體系要求及使用指南》和GB/T45001-2020《職業健康安全管理体系要求及使用指南》等安全、健康、環保相關的法律法規和標準，並制定了《質量、環境、職業健康安全手冊》、《安全環保檢查管理規定》、《安全環保三同時管理制度》、《工作場所和行為安全管理規定》、《職業健康管理規定》等，以細化安全環保檢查內容及要求，控制項目可能產生的環境影響、安全和職業健康風險，並保障員工在生產活動中的人身安全和健康及公司財產。

本集團已設立健全的安全環保(下稱：EHS)管理制度，並於總部設立EHS管理委員會，負責定期分析本集團的EHS工作、統籌、指導、監督、研究、協調及解決EHS重大問題。

我們已為超過100人以上的分子公司或涉及危險廢物或危險化學品經營、建築施工及危險貨物運輸的單位單獨設立EHS部門，並配備專職的EHS人員。單獨設有EHS部門的單位同時已成立了EHS管理領導小組(或安委會)，由該機構負責人為主要負責人，全面統籌本單位的EHS管理事務。另外，我們對危險物品的生產、儲存單位以及金屬冶煉單位設有註冊安全工程師從事安全生產管理工作。這樣嚴格的管理制度可保障相關項目的順利發展和從業員的安全。



6. Strengthening Standardized Operation 強化規範運營



We strengthen the responsibility for safety and environmental protection. In accordance with the principle of “who is in charge, who is responsible, direct leadership, and territorial management”, the list of responsibilities is included in each unit’s annual safety and environmental protection target responsibility letter, and sign the safety and environmental protection responsibility letter layer by layer, implement the safety and environmental protection responsibility management system from top to bottom, and clarify the EHS responsibility and scope of responsibility of each post to ensure the implementation of the safety and environmental protection responsibility.

Safety and environmental protection series of special work

The Group adheres to the safety production policy of “safety first, prevention first, and comprehensive management”, in accordance with the work plan of “Five Strengthening and Five Implementations” formulated at the beginning of the year, the Company actively carried out a series of special work on safety and environmental protection. We combine the risk characteristics of the Company, continue to organize various forms and distinct themes of safety and environmental protection supervision and inspection and hidden danger self-inspection/investigation work, including daily inspection, division supervision and inspection, regional cross-inspection, fire inspection and abnormal weather, key areas, hazardous chemicals, key holidays Various safety and environmental inspections. This Year, the Safety and Environmental Protection Department of the Company headquarters carried out more than 30 safety and environmental supervision and inspections, the business divisions carried out 115 safety and environmental protection supervision and inspection, timely identification and remediation of risks and hazards, and implementation of closed-loop management. We focus on the following four tasks.

Continue to promote the Three-Year Special Operation Plan for Rectifying Production Safety

According to the overall roadmap of the Company’s three-year special rectification of safety production, 2021 will be the stage of concentrated attack. On the basis of the dual prevention mechanism of safety risk classification management and control and hidden danger investigation and management established in previous years, various tasks will be carried out according to the plan.

我們加強安全環保責任，按照「誰主管、誰負責，直線領導、屬地管理」的原則，將責任列表納入各單位的年度安全環保目標責任書，並層層簽訂安全環保責任書，從上而下逐級落實的安全環保責任管理體系，明確各崗位的EHS責任範圍，以確保安全環保責任的貫徹執行。

安全環保系列專項工作

本集團堅持「安全第一、預防為主、綜合治理」的安全生產方針，按照年初制定的「五強化五落實」工作方案，積極開展安全環保系列的專項工作。我們結合公司的風險特點，不斷組織開展形式多樣、主題鮮明的安全環保督導檢查和隱患自查／排查工作，包括日常檢查、事業部督導檢查、區域交叉檢查、消防檢查以及異常天氣、重點領域、危險化學品、重點節假日等各類安全環保檢查行動。本年度，公司總部安環部開展督導檢查30餘次，各事業部開展安環督導檢查115次，及時排查整治風險隱患，落實閉環管理。我們並重點開展了以下四項工作。

繼續推進安全專項三年整治行動

按照公司安全生產專項整治三年行動總體路線圖，2021年為集中攻堅階段，在往年建立的安全風險分級管控和隱患排查治理雙重預防機制的基礎上，按計劃開展各項工作，針對工作中產生的問題，落實解決措施和方案。



6. Strengthening Standardized Operation 強化規範運營

Carrying out various special work on safety and environmental protection

In 2021, a total of 13 special investigations including fire protection, transportation, safety and environmental protection risk source investigation will be organized, and during the implementation process, there will be plans, proposals, tracking, and evaluation to ensure the effectiveness of each special work implement.

Strengthening the safety management of building construction

In response to the "7.15" water penetration accident of Zhuhai Shijingshan Tunnel, the "7.24" fire accident of Jilin Changchun, and the "7.25" box girder collapse accident of Zhuhai Jinhai Bridge, etc., Investigate the construction operations such as deep foundation pits, large-scale hoisting, high-altitude operations, scaffolding, high-support formwork, limited space, and underground water wading projects involved in various construction projects and technological construction renovations in the area under their jurisdiction; In response to extreme weather such as thunderstorms and storms, take precautions against safety risks such as hillsides, foundation pits, temporary distribution boxes, and temporary canopies, and comprehensively investigate the capabilities of drainage facilities and weak links in key areas.

Carrying out events including "Safe Production Month" and "Fire Safety Publicity Month"

The Company has adopted various and all-round publicity and education activities, and organized a series of special activities such as safety and fire protection knowledge competitions, firefighting skills competitions, emergency rescue drills, etc., which comprehensively improved the safety awareness of all staff. The headquarters also cooperated with Huateng Company to develop and launch the "Hidden dangers take pictures of small programs", which encourages all employees to report the safety and environmental protection hazards around them at any time, and connects with the "Safe Dongjiang" information system in real-time, creating a good atmosphere of "everyone is a safety officer".

開展各項安全環保專項工作

在2021年，共組織開展消防、運輸、安全環保風險源點排查等13項專項排查工作，並在實施過程中，做到有計劃、有方案、有跟蹤、有評估，確保各專項工作的有效落實。

加強建築施工安全管理

針對珠海石景山隧道「7.15」透水事故、吉林長春「7.24」火災事故、珠海金海大橋「7.25」箱梁跨塌事故等，迅速組織對在建工程進行隱患排查，對所轄區域的各類建築工程、工藝施工改造等涉及的深基坑、大型吊裝、高空作業、腳手架、高支模、有限空間、地下涉水工程等施工作业逐一排查；針對雷雨、風暴等極端天氣，做好山坡、基坑、臨時性配電箱、臨時性雨棚等安全風險防範，全面排查重點區域的排水設備設施能力及薄弱環節風險。

開展「安全生產月」、「消防安全月」等活動

公司上下採取形式多樣、全方位的宣傳教育活動，組織開展了安全和消防知識競賽、消防操作技能比武、應急救援演練等一系列特色活動，全面提升了全體人員的安全意識。總部還聯合華藤公司開發上線了「隱患隨手拍小程序」，鼓勵全體員工隨時上報身邊的安全環保隱患，並與「平安東江」信息系統實時對接，營造了「人人都是安全員」的良好氛圍。



6. Strengthening Standardized Operation 強化規範運營



Occupational Hazard Prevention and Control Work

Occupational hazard prevention and control is also one of the tasks that the Group attaches great importance to, the whole Company earnestly fulfils the main responsibility of occupational hazard prevention and control, from the design and layout of the production pattern, to the mechanized reduction of people, the collection and purification of harmful gases and other means, the working environment has been continuously improved, and occupational hazards have been reduced as much as possible, and through measures to enhance employees' awareness of occupational hazard prevention, strengthen workplace inspections, and provide adequate labor protection supplies, and by doing a good job in occupational disease declaration, occupational hazard monitoring, occupational health examination for employees, occupational health knowledge education, etc., we try our best to guarantee the health and safety of employees.

In addition, we have learned from the limited space poisoning accidents that have occurred in China and carried out relevant special inspections work. We have established and improved closed space safety regulations and operating procedures in 37 units involved in limited space operations. There are a total of 2,597 closed space warning signs. Units involved in closed space operations are equipped with ventilation testing equipment, respirators and other protective equipment and emergency support supplies. This Year, a total of 28 units strictly implemented the dangerous operation approval system and deployed full-time personnel to monitor on-site.

In 2021, 867 of the employees who are systematically exposed to occupational disease hazards participated in pre-job physical examination, 2,005 participated in on-the-job physical examination, and 442 participated in off-the-job physical examination. No suspected occupational diseases or occupational cases were reported throughout the Year.

職業危害防治工作

職業危害防治也是本集團十分重視的工作之一，公司上下切實履行職業危害防治主體責任，從生產格局的設計佈置，到機械化減人、收集淨化有害氣體等手段，不斷改善作業環境，盡可能削減職業危害因素，並通過加強提升員工職業危害防範意識教育、強化作業場所的檢測、配齊配足勞保用品的措施，並通過做好職業病申報、職業危害因素監測、從業人員職業健康體檢、職業衛生知識教育等工作，盡力保障職工的健安全。

此外，我們汲取國內發生過的密閉空間中毒事故教訓，開展了相關的專項檢查工作。我們在37個涉及密閉空間作業的單位建立和完善了密閉空間安全規章制度和作業流程，密閉空間警示標誌數量2,597張。涉及密閉空間作業單位配有通風檢測作業儀器、呼吸器等各類防護用品和應急保障用品。本年度，共有28個單位嚴格落實危險作業審批制度，配置專職人員現場監護。

於2021年，公司系統接觸職業病危害因素的員工中有867人參加崗前體檢、2,005人參加崗中體檢、442人參加離崗體檢。全年沒有疑似職業病或職業病例報告。



6. Strengthening Standardized Operation 強化規範運營

Safety and Environmental Protection Training and Emergency Rescue Drill

The Group actively implements a safety and environmental protection education and training system, and regularly conducts education and training on safety and environmental protection regulations, technologies, and awareness for employees to enhance the safety and environmental protection awareness and level of all employees.

In terms of training, the Company headquarters employs safety and environmental protection management experts and organizes safety and environmental protection management personnel from all subordinate units to conduct professional knowledge training on-site or through video. In May, September and November 2021, we conducted training in fire training schools, on-site and video special training, etc., organized the Company's middle-level and above cadres, safety and environmental leaders of various units, and safety and environmental management personnel to conduct three rounds of safety, fire management knowledge and professional skills training. In the fire safety education and practice activities, the Company organized 36 people from 4 business departments and 31 grass-roots units to participate in the 5-day fire safety education and practice activities at the Qing Da Oriental Fire Training School. In addition, the Company's business divisions and subsidiaries also actively organized various safety and environmental protection and fire protection training. According to statistics, the enterprises of the Company organized 1,340 safety and environmental training sessions throughout the Year, with a total of 29,283 participants. In our safety production month and safety publicity program, 15 units held safety production knowledge contests, and 22 main principals of the units held safety production publicity activities.

In terms of drills, in June and November 2021, the Company also organized emergency rescue drills for hazardous chemical accidents and fire emergency drills in Dongjiang, Huizhou and the headquarters building respectively. In the safety production month and safety publicity program, we have 35 units to carry out different types of emergency drills, with a total of 66 drills and 1,875 participants.

During this Year, each unit organized a total of 303 emergency drills at all levels to fully prepare for possible future accidents.

安全環保培訓和應急救援演練

本集團積極推行安全環保教育培訓制度，對員工定期開展安全環保法規、技術、意識等方面的教育培訓，以提升全體員工的安全環保意識和水平。

在培訓方面，公司總部通過聘請安全環保管理專家，組織下屬各單位安環管理人員到現場或通過視頻方面進行專業知識培訓。而於2021年5月、9月和11月，我們通過在消防培訓學校集訓、現場和視頻專題培訓等形式，組織公司中層以上幹部、各單位安環負責人、安環管理人員進行了三輪的安全、消防管理知識及專業技能培訓。在當中的消防安全教育實踐活動，公司組織了4個事業部、31個基層單位的36人到清大東方消防培訓學校參加為期5天的消防安全教育實踐活動。而且，公司各事業部、下屬企業也積極組織開展各類安全環保和消防培訓，據統計，公司各企業全年組織安環培訓1,340場次，共29,283人次參加。而在我們的安全生產月和安全宣傳萬里行活動方案中，有15家單位舉行安全生產知識競賽，22家單位主要負責人開展安全生產宣講活動。

在演練方面，於2021年6月和11月，公司也分別在惠州東江、總部大樓組織了危險化學品事故應急救援演練和消防應急演練。而在安全生產月和安全宣傳萬里行活動方案中，我們有35家單位開展了不同類型的應急演練活動，演練總數66次，參加演練人數1,875人。

在本年度，各單位共組織各級應急演練303場次，為未來可能出現的事故做足準備。

6. Strengthening Standardized Operation 強化規範運營

Prevention and Control of the Pandemic and Safety in Resumption of Operation and Production

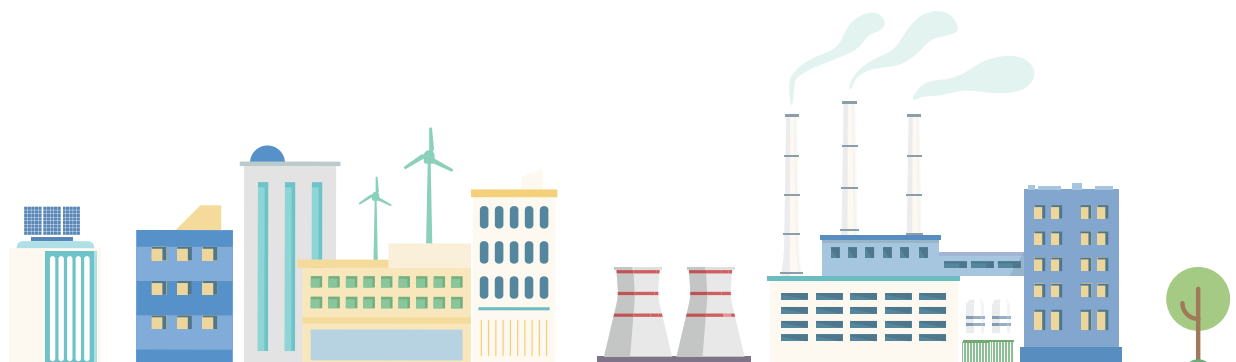
The Group attaches great importance to the prevention and control of the epidemic, puts the safety and health of the employees first, and strives to achieve the overall goal of “zero infection” in the Company’s system. Our units and departments across the country strictly follow the requirements of local government departments and do a good job in epidemic prevention and control. In order to better respond to the epidemic, we held a working meeting of the leading group for epidemic prevention and control on June 4, 2021, let the members of the Epidemic Prevention and Control Leading Group of the Company headquarters, as well as the members of the Research Institute, Business Department, and Epidemic Prevention and Control Leading Group of subsidiaries to discuss the epidemic prevention and control.

The Group has adopted various measures and strategies to deal with the novel coronavirus. First of all, we engage in personnel travel and nucleic acid testing, engage in disinfection in the factory, prepare enough anti-epidemic materials, and guide all employees to strictly implement personal prevention and control requirements, such as washing hands frequently, wearing masks, maintaining social distance, and reducing crowd gatherings, adopt a meal-sharing system, etc. Secondly, remind the personnel of all units to avoid going to medium and high-risk areas if it is not necessary in the near future. If employees must go, they should understand the local epidemic prevention and control

疫情防控與復工複產安全

本集團非常著重疫情防控，切實把職工群眾生命安全和身體健康放在第一位，努力實現公司系統「零感染」的總體目標。我們在全國各地的單位和部門嚴格遵照當地政府部門的要求，做好各項疫情防控工作。為了更好地應對疫情，我們於2021年6月4日召開了疫情防控領導小組工作會議，讓公司總部疫情防控領導小組成員以及研究院、事業部、下屬企業疫情防控領導小組成員商討疫情防控的事宜。

本集團採取多種措施及策略應對新冠病毒。首先，我們做好人員行程排查和核酸檢測，廠區內做好消毒工作，備足防疫物資，並引導全體員工嚴格落實個人防控要求，如勤洗手、戴口罩、保持社交距離、減少人群聚集、採取分餐制等。其次，提醒各單位人員近期如非必要，儘量不前往中高風險區域，如必須前往，應提前了解當地疫情防控要求並做好個人防護，同時在春



6. Strengthening Standardized Operation 強化規範運營

requirements in advance and take personal protection. At the same time, during the Chinese New Year, actively respond to the call of the central government and guide employees to celebrate the Chinese New Year on the spot, and each unit should strengthen the management of personnel flow during the Chinese New Year, and engage in the tracking and management of the situation where the personnel of the unit leave the location of the unit. In addition, our units have strengthened the prevention and control of epidemics in key places, key areas, and key groups, and implemented the “four strengthening and one advocacy” control measures for personnel-focused places and closed places, that is, strengthening the temperature measurement, scanning code and wearing masks, strengthening the control of personnel flow, strengthening the cleaning, ventilation and disinfection of places, strengthening personnel health management and prevention and control knowledge training, and promoting cashless payment. Finally, we actively cooperated with the relevant departments of local epidemic prevention and control, and combined the “should take and take as much as possible” and voluntary principle to encourage and organize all cadres and employees to take the initiative to vaccinate against the new crown, strive to increase the vaccination rate, and establish an immune barrier for all.

節期間，積極響應中央號召，引導職工就地過年，而各單位要加強春節期間人員流動管理，做好本單位人員離開單位所在地的情況跟蹤管理。此外，我們各單位加強重點場所、重點區域、重點人群疫情防控，對人員聚焦場所、密閉場所實施「四強化一提倡」的管控措施，即強化進門測溫掃碼戴口罩、強化人員流量管控、強化場所清潔通風消毒、強化人員健康管理和防控知識培訓，提倡無現金支付。最後，我們積極配合屬地疫情防控相關部門，以「應接、盡接」和自願原則相結合，鼓勵並組織全體幹部職工主動接種新冠疫苗，努力提升疫苗接種率，建立全系統人員免疫屏障。



On August 4, 2021, the Secretary of the Party Committee of Tielong Town Government, Deputy Mayor, and President of the Health Center visited the Company to check the management of epidemic prevention and control
2021年8月4日，鐵龍鎮政府黨委水書記、副鎮長、衛生院院長到公司檢查疫情防控管理工作



6. Strengthening Standardized Operation 強化規範運營



6.2 STRICT QUALITY MANAGEMENT

ISO9001 quality management system is our platform to ensure the quality of products and services. The Group implements a comprehensive quality management strategy, and has established a quality management system that covers all employees and all business fields of the Company, and extends to suppliers and clients. Based on the characteristics of our technology, products and services at different stages, we have formulated corresponding quality control procedures to ensure the stability and reliability of technology, product and service quality. Among them, the key points of product quality control are as follows:

Production Process Quality Management

The Group adheres to the principle of “quality is achieved through the production and service process”, and strengthen the Company’s product and service quality through the establishment of three inspection management, job management and equipment management systems. First, we carry out an inspection management system that combines the three inspections of self-inspection, mutual inspection and special inspection by full-time inspectors, and adopts the three-no policy of “not accepting, not manufacturing, and not passing on” defects. In addition, we implement a qualification management policy for key and special positions, and regularly train and assess operators, and those who pass are given qualifications. Besides, we have established a management mechanism for all equipment, specified the person in charge of the daily management of the equipment, and formulated operation manual and maintenance manual of the equipment, to ensure the stability and accuracy of waste treatment and disposal and resource product production equipment, and ensure product and service quality.

Final Product Quality inspection and Shipment Management

According to relevant technical standards and documents, the Group’s Quality Technology Department inspects and verifies the structure, configuration, performance indicators, identification and packaging of the final product one by one, and confirms that the finished product fully meets the product quality technical requirements. The storage procedures can be handled only after the product has passed the inspection.

6.2 嚴謹質量管理

ISO9001質量管理體系是我們保證產品和服務質量的平台。本集團實施全面的質量管理戰略，建立了覆蓋公司全體員工和全部業務領域，並向供應商和客戶端延伸的質量管理體系。基於我們的技術、產品和服務不同階段的特點，我們制定了相應的質量控制流程，以保證了技術、產品和服務質量的穩定性和可靠性。其中對於產品的質量控制重點如下：

生產過程質量管理

本集團奉行「質量通過生產和服務過程來實現」的原則，透過建立三檢管理、上崗管理和設備管理制度，提升公司的產品和服務質量。首先，我們開展自檢、互檢和專職檢驗員專檢的三檢相結合檢驗制度，以「不接受、不製造、不傳遞」的政策和態度對待缺陷；另外，我們對關鍵和特殊崗位推行上崗資格管理政策，作業人員需定期進行培訓和考核，合格通過者給予上崗資格；此外，我們對所有設備建立了管理機制，規定了設備日常管理的負責人和制定了設備的操作手冊和維護保養手冊，確保廢物處理處置和資源化產品生產設備的穩定性和準確性，保障產品和服務質量。

最終產品質量檢驗和出貨管理

本集團的質量技術部會基於相關的技術標準和文件對最終產品的結構、配置、性能指標、標識和包裝等逐條逐項進行檢查驗證，以確保成品完全符合產品質量技術要求。入庫手續會在產品檢驗確定為合格後辦理。



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When the products are put into storage, the warehouse clerk arranges them according to their varieties and qualities, and makes obvious 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 truck, the warehouse clerk counts the quantity of each batch of finished products, and strictly checks the standard weight of the finished products with the actual weight after weighing. The completion of the shipment is then confirmed by the customer's signature.

If the product needs to be returned due to quality problems, we will implement the procedure according to the contract. The customer can request that the returned product be delivered to the negotiated location in good condition, and we will refund part of the loan within the specified day after receiving the returned product and confirming it. If there is any dispute over product quality, we will also conduct quality inspection to a third-party independent testing agency.

Continual Quality Improvement

Our quality information system will record all quality problems in the quality information database, and have dedicated personnel to conduct statistical analysis of quality information on a regular basis, hold regular meetings to analyze the root cause of the problem, formulate corrective and preventive measures and follow-up implementation, to maintain product and service quality.

In addition, we will conduct regular or irregular audits. If any problems in the operation of the quality management system are found, we will promptly correct and prevent them to ensure the suitability and effectiveness of the quality management system. The Group has established a complete monitoring and measurement system to improve and improve the quality of products and services in a targeted manner by monitoring the operating results of the quality management system.

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

產品入庫時，倉庫管理員根據產品的品種和質量對其進行分區擺放，並做好明顯的標識。成品出庫時，銷售部將核准的《銷售通知單》傳至倉管處，倉管員根據《銷售通知單》上標明的成品等級和重量進行備貨，並通知相關部門進行裝車。裝車時，倉管員對每批成品的數量進行清點，同時謹慎核對成品的標準重量與過磅後的實際重量，最後經客戶簽名確認完成出貨。

如產品因質量問題需退回，我們將根據合同執行程序。客戶可將要求退貨的產品完好運送到磋商地點，我們在收到退貨產品且確認後會在指定日子內退退貨部分貸款。如有任何產品質量的爭議，我們亦會對該產品質量向第三方獨立檢測機構進行質量檢驗。

持續的質量改進

我們的質量信息系統會把所有質量問題都記錄在質量信息數據庫中，並有專人定期對質量信息進行統計分析，召開例會分析問題的根本原因，制定糾正預防措施並跟蹤落實，以保持產品和服務質量。

此外，我們會進行定期或不定期的審核，如當中發現任何質量管理體系運行過程中的問題，我們會及時糾正和作出預防，確保質量管理體系的適宜性和有效性。本集團建立了完整的監控和測量系統，通過對質量管理體系運行結果的監控，有針對性地改進和提高，以提高產品和服務質量。

本年度，本集團沒有因安全與健康理由而須回收的已售或已運送產品。



6. Strengthening Standardized Operation 強化規範運營



6.3 PROBITY AND COMPLIANT OPERATION

Dongjiang Environmental advocates clean operation, and strictly abides by national and local laws and regulations related to anti-corruption and bribery, including the Anti-Money Laundering Law of the People's Republic of China, the Company Law of the People's Republic of China, and Hong Kong's Anti-Money Laundering and Counter-Terrorist Financing (Amendment) Ordinance, etc.

The Group has formulated the Management Measures for Rewards and Punishments for Employees to regulate the behaviors related to the violation of integrity in practice, including the strict forbidden to take advantage of the position, the use of the opportunity to enrich oneself, the misrepresentation of performance and other ways to obtain personal benefits as well as the violation of the interests of the state, the collective and the employees. If an employee's disciplinary action involves a crime, it will be promptly transferred to the relevant state authorities for treatment according to law.

We welcome employees' letters and reports on suspicious cases to referrals from higher levels the Disciplinary Inspection Office by name or anonymous letter. We also collect clues through reports and accusations, referrals from higher levels, inspections, comprehensive supervision and inspection, and audit findings. The Group has formulated the "Rules for Handling Problem Clues" to manage the clues of suspicious cases centrally. At the same time, we have also established a special verification team consisting of the Disciplinary Inspection Office to verify the authenticity of cases. In order to protect the identity of whistleblowers, we have strengthened the confidentiality of lead management, strict registration and handover procedures, reduced operational links, strictly controlled the scope of confidential personnel involved, not to withhold, delay or lose, and resolutely prevent information leakage and loss of confidentiality issues. In addition, we have also established a special verification team composed of the Disciplinary Inspection Office to verify the authenticity of cases. In order to encourage employees to take the initiative to report suspected cases of fraud, we require investigators the acceptance and investigation of reported cases, disclosure of personal information of the informant is strictly prohibited.

6.3 廉潔合規營運

東江環保主張廉潔營運，嚴格遵守國家及地方與反貪污賄賂相關的法律法規，包括《中華人民共和國反洗錢法》、《中華人民共和國公司法》、香港的《打擊洗錢及恐怖分子資金籌集(修訂)條例》等。

本集團已制定《員工獎懲管理辦法》規範有關違反廉潔從業的行為，包括嚴禁利用職務上的便利，借機斂財，謊報業績等方式獲取個人利益以及侵犯國家、集體和員工利益行為。如員工違紀行為涉及違法犯罪，將及時移送有關國家機關依法處理。

我們歡迎員工對可疑個案進行實名或匿名信訪舉報至紀律檢查室。我們亦對通過檢舉、控告，上級交辦，巡視巡察、綜合監督檢查、審計發現等途徑收集線索。本集團已制定《問題線索處置工作規則》，集中管理可疑個案的線索。同時，我們亦已成立由紀律檢查室組成特別核查小組，負責核查個案的真偽。為保護舉報人身份，我們強化線索管理的保密工作，嚴格登記、交接手續，減少運轉環節、嚴控涉密人員範圍，不得扣壓、拖延、丟失，堅決防止跑風漏氣和失密洩密問題。為鼓勵員工主動舉報可疑的舞弊個案，我們要求調查人員在受理、調查舉報案件時，嚴禁洩露舉報人的個人信息。



6. Strengthening Standardized Operation 強化規範運營

In order to further establish a clean work culture, we have formulated the Interim Provisions on Work Reply to Integrity Opinions, we arranged for the discipline inspection office or dispatched a supervision and inspection team to solicit opinions based on the integrity situation issued by the organization's Personnel Department. Based on the information obtained in the supervision and accountability, for the cadres that the Company intends to promote, appoint, recommend, or need to solicit opinions on integrity, give opinions and suggestions on whether there are problems with integrity. When the Disciplinary Inspection Office or the dispatched supervision and inspection team receives the letter from the organization and Personnel Department for comments, it will promptly start the evaluation of integrity opinions, and carefully compare and verify the integrity files of cadres such as petition reports, problem clues, disciplinary review, party discipline and government sanctions, etc. Combined with the normal integrity performance of party members and cadres, the cadre management authority will be subject to graded audits to issue integrity opinions.

In addition, Dongjiang Environmental also held different meetings and training, including the first quarter of 2021 party conduct and clean government construction work conference, the first half of 2021 work conference on building a clean government, 2021 Discipline Education Month centralized special training, a collective interview meeting for the special rectification work to promote reform with a case, in order to strengthen the accountability of discipline, create a clean and upright environment, and improve the awareness of directors, leading cadres and employees to work with integrity.

為了進一步建立一個清廉的工作文化，我們制定《廉潔意見回復工作暫行規定》，我們安排紀律檢查室或派駐監督檢查組根據組織人事部門出具的廉潔情況徵求意見函，就監督執紀問責中掌握的情況，對公司擬提拔任用、擬提名推薦或其他需要徵求廉潔意見的幹部，對其在廉潔方面是否存在問題給出意見與建議。當紀律檢查室或派駐監督檢查組收到組織人事部門徵求意見的函件後，將及時啟動廉潔意見評價工作，認真比對核實信訪舉報、問題線索、紀律審查、黨紀政務處分等幹部廉潔檔案資料，結合黨員幹部平時的廉潔表現，按照幹部管理權限實行分級審核出具廉潔意見。

此外，東江環保還召開了不同的會議和培訓，包括2021年第一季度黨風廉政建設工作會議、2021年上半年黨風廉政建設工作會議、2021年紀律教育月集中專題培訓、以案促改專項整治工作集體約談會議，以強化執紀問責，營造風清氣正的環境，提高董事、領導幹部和員工廉潔從業的意識。

6. Strengthening Standardized Operation 強化規範運營

During the Year, the Group did not have any cases of corruption, bribery, extortion, fraud and money laundering.

本年度，本集團沒有發生任何有關貪污、賄賂、勒索、欺詐及洗黑錢的案件。



Watch the warning educational film organized by the Provincial Disciplinary Commission and Provincial Supervision Commission Disciplinary Inspection and Supervision Team of Provincial SASAC
觀看由省紀委省監委駐省國資委紀檢監察組組織拍攝的警示教育片



Second centralized monthly training of disciplinary education learning
紀律教育學習月第二次集中培訓

6. Strengthening Standardized Operation 強化規範運營

6.4 MAINTAINING INFORMATION SECURITY

The Group attaches great importance to information security and customer privacy, and strictly abides by the Network Security Law of the People's Republic of China, Computer Information Network International Network Security Protection Management Measures and Information Security Level Protection Management Measures and other relevant laws and regulations, and formulated the IT Security Management Regulations and Information System Emergency Plan, in order to strengthen the security and confidentiality management of the Group's calculators and information systems (including classified in Confidential Information Systems and non-classified Confidential Information Systems), and to improve our ability to handle information network emergencies, a scientific, effective and responsive emergency work mechanism will be formed, to minimize the hazards of network and information security emergencies.

In terms of organizational security, we have established a Network Security and Informatization Leadership Group, formulated the Information Management System and Dongjiang Environmental Industrial Internet Technical Specifications to clarify the network and information security boundary technical specification requirements, management procedures and related emergency prevention measure.

In terms of hardware protection, we use a variety of network security defense equipment, including data center monitoring system, intrusion detection system, vulnerability scanning system, security audit and security operation and maintenance system, and online behavior analysis. In this way, the Group's physical and environmental security, network communication security, data security, personal information security and other content are guaranteed.

6.4 維護信息安全

本集團十分重視信息安全及客戶私隱，嚴格遵守《中華人民共和國網絡安全法》、《計算機信息網絡國際聯網安全保護管理辦法》、《信息安全等級保護管理辦法》等關於信息安全及私隱保護的相關法律法規，並制定了《IT安全管理規定》和《信息系統應急預案》，以加強本集團計算機和信息系統(包括涉密信息系統和非涉密信息系統)的安全保密管理，並提高我們處理信息網絡突發事件的能力，形成科學、有效、反應迅速的應急工作機制，最大限度地減少網絡與信息安全突發事件的危害。

在組織保障方面，我們成立了網絡安全及信息化領導小組，制定了《信息管理制度》和《東江環保工業互聯網技術規範》，明確網絡及信息安全邊界技術規範要求、管理流程和相關的應急防範措施。

在硬件保障方面，我們透過多元的網絡安全防禦設備，包括數據中心監控系統、入侵檢測系統、漏洞掃描系統、安全審計與安全運維系統以及上網行為分析等，層層保障本集團的物理和環境安全、網絡通信安全、數據安全以及個人信息安全。



6. Strengthening Standardized Operation 強化規範運營



In terms of management capabilities, we have established systems and procedures to achieve hierarchical, classified, and hierarchical maintenance and management of information and data security. At the same time, we use advanced operation and maintenance management tools such as operation and maintenance automation, virtualization, microservices, data backup, and network monitoring to implement effective information security management measures, and has been awarded the “Shenzhen Information Security Level Protection Level 2 Certification”.

Finally, we firmly implement the requirements of the Guangdong SASAC and higher-level units to carry out software legalization-related work. This Year, we formulated the Software Legalization System, established IT asset ledgers and software legalization ledgers, and regularly organized investigations to ensure the legality and compliance of the Group’s software usage.

在管理能力方面，我們設立了相關制度與流程，實現對信息及數據的安全性進行分層、分類、分級的維護和管理，同時利用運維自動化、虛擬化、微服務、數據備份、網絡監控等先進的運維管理工具，實施有效的信息安全管理措施，並獲得了「深圳市信息安全等級保護二級認證」的備案。

最後，我們堅定落實廣東省國資委以及上級單位關於開展軟件正版化相關工作的要求，制定了《軟件正版化制度》，建立IT資產台賬與軟件正版化台賬，定期組織摸底排查工作，確保本集團的軟件使用符合法規。

6.5 SAFEGUARDING INTELLECTUAL PROPERTY RIGHTS

The Group attaches great importance to intellectual property rights and strictly abides by the Intellectual Property Law of the People’s Republic of China, the Patent Law of the People’s Republic of China, the Copyright Law of the People’s Republic of China and other relevant laws. This protects the legal rights of intellectual property rights of the Group and related parties.

We have formulated the Technical Achievement Management Regulations to regulate the management of our technological achievements, including patents, trademarks, standards, scientific and technological papers and works, and scientific and technological achievements registration and appraisal, etc., and stimulate the enthusiasm of technical personnel. Dongjiang Environmental Protection Research Institute is the department responsible for the overall management of our technological achievements. It is responsible for planning and guiding patent application and maintenance, standard formulation, trademark application and maintenance, publication of scientific papers and works, and determination and registration of scientific and technological achievements. In order to encourage our R&D personnel to actively innovate in R&D, the Group distributes corresponding bonuses to R&D personnel according to different types of patents.

6.5 保障知識產權

本集團尊重知識產權，嚴格遵守《中華人民共和國知識產權法》、《中華人民共和國專利法》、《中華人民共和國著作權法》及其他相關法律，以保障本集團和相關人士的知識產權合法權利。

我們制定了《技術成果管理規定》，規範我們的技術成果的管理，當中包括專利、商標、標準、科技論文與著作、科技成果登記與鑒定等，同時激發技術人員的積極性。東江環保研究院是我們的技術成果統籌管理的部門，負責計劃和指導專利申請與維護、標準制定、商標申請與維護、科技論文與著作發表、科技成果鑒定與登記等工作。為鼓勵我們的研發人員積極創新研發，本集團按照不同專利的類型向研發人員發放相應的獎金。



6. Strengthening Standardized Operation

強化規範運營

The Group respects the intellectual property rights of others and strives to prevent infringements from occurring within the Group. We strictly supervise the installation of operating systems and application service software on servers and desktop terminals, and strictly prohibit illegal use of third-party intellectual property rights. Besides, we require suppliers or customers to protect the legitimate rights and interests of the Group or related parties in accordance with the laws, and requires the suppliers we cooperate with to ensure that all technologies and development results submitted must not infringe any third party's legal patent rights, trademark rights, copyrights and other legal rights. If suppliers are found to be in violation of regulations, the Group will consider suspending cooperation with them.

本集團尊重他人的知識產權，設法防止侵權事件在本集團內發生。我們嚴格監管服務器及桌面終端的操作系統、應用服務軟件的安裝，嚴禁非法使用第三方的知識產權。此外，本集團規定供應商或客戶需依法保護本集團或相關人士的合法權益，並要求相關供應商保證所提交的一切技術及開發成果沒有侵犯第三方的合法權益，如專利權、商標權、著作權等。若供應商違規，我們將會考慮終止與其合作。

6.6 QUALITY CUSTOMER SERVICE

The Group is committed to providing customer with high-quality services, and also focuses on customers' views on the Company and our services. Therefore, we have formulated a series of detailed rules, including 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 standardize the management documents and procedures of customer service and reception in the Marketing Department, so as to give customers the best experience.

6.6 優良客戶服務

本集團致力為客戶提供優質的服務，亦著重客戶對本公司以及我們的服務的看法，所以，我們制定了一系列的細則，包括《客戶服務管理實施細則》、《客戶接待管理實施細則》、《客戶投訴處理實施細則》、《客戶信息管理實施細則》及《顧客滿意調查程序》，以規範市場部客戶服務和接待的管理文件和程序，從而給予客戶最好的體驗。

In addition, in order to make our services more comprehensive and professional, the Group standardizes the reception procedures and etiquette for customer visits to improve the level of customer service. For different types of customers, different receptionists are assigned by the customer service personnel in the Marketing Department to meet the needs of different customers, hoping to give customers more personality-oriented services. We have also developed operational procedures for handling customer complaints. When receiving a customer's complaint, the customer service center will investigate and analyze the incident to verify the effectiveness of the complaint. If the incident is true, it will supervise the complained department to respond quickly and require a solution within 24 hours. After the customer service center has completed the investigation of the complaint, it will feedback the investigation results and improvement measures to the customer who submitted the complaint and follow up on the customer's satisfaction after the matter has been improved to restore the customer's confidence. During the Year, we received 10 complaints from customers about products or services. We have followed up and dealt with it in a timely manner, and the customer is also satisfied with the processing process.

此外，為了令我們的服務更為全面和專業，本集團規範了客戶來訪的接待程序和接待禮儀，不同類別的客戶會有不同的接待人員接待，以對應不同客戶的需要，希望給予客戶更個性化的服務。我們亦有處理客戶投訴的運作流程，收到客戶的投訴後，客服中心會對事件作出調查、分析，並核實投訴的有效性，如事件屬實，我們會監督被投訴部門迅速作出響應，並要求在24小時內提供處理方案。客服中心在投訴事件調查完畢後，會把調查結果及改進措施反饋給提出投訴的客戶，同時跟進於事項改進後客戶的滿意度，以挽回客戶的信心。本年度，我們收到10個客戶有關產品或服務的投訴，我們已及時跟進及處理，客戶對處理的過程也比較滿意。

6. Strengthening Standardized Operation 強化規範運營

6.7 SUSTAINABLE SUPPLIER MANAGEMENT

We share the philosophy of sustainable supplier management. We strictly follow relevant 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, etc., and develop systems and regulations including the Measures for the Administration of Supplier Management, the Procurement Management System, and the Centralized Procurement Management Measures, etc. With these regulations and systems, we standardize supplier management and establish a management program for every construction, equipment and bulk procurement, so as to ensure the quality and standard of suppliers, so that our business can develop steadily.

In the evaluation of the supplier selection process, in addition to assessing factors such as the quality of products and services provided by potential suppliers, production or supply capacity, etc., but also incorporate the concept of sustainable development into the evaluation criteria. We will give priority to suppliers who promote green procurement, and understand their compliance with compliance operations, occupational health and safety management, ethical and environmental production standards, etc., identify and prevent risks in all aspects of the supply chain, and make requirements for suppliers' ethical business performance.

6.7 可持續供應商管理

我們認同可持續供應商管理的理念。我們嚴格遵守《中華人民共和國政府採購法》、《中華人民共和國政府採購法實施條例》等相關法律法規，而且制定了《供應商管理辦法》、《採購管理制度》及《集中採購管理辦法》等制度及規定，用作規範供應商管理，建立各項工程、設備及大宗採購的管理程序，以確保供應商的質量和水平，令我們的業務能穩定發展。

在選擇供應商過程的評核中，本集團不但會評核潛在供應商提供的產品及服務質量、商譽、生產或供貨能力等因素，亦將可持續發展的理念納入考核標準之中。我們會優先考慮提倡綠色採購的供應商，並了解其合規營運、職業健康安全、道德及環保生產標準等的合規性，識別並防控供應鏈各個環節風險，對供應商的商業道德表現提出要求。

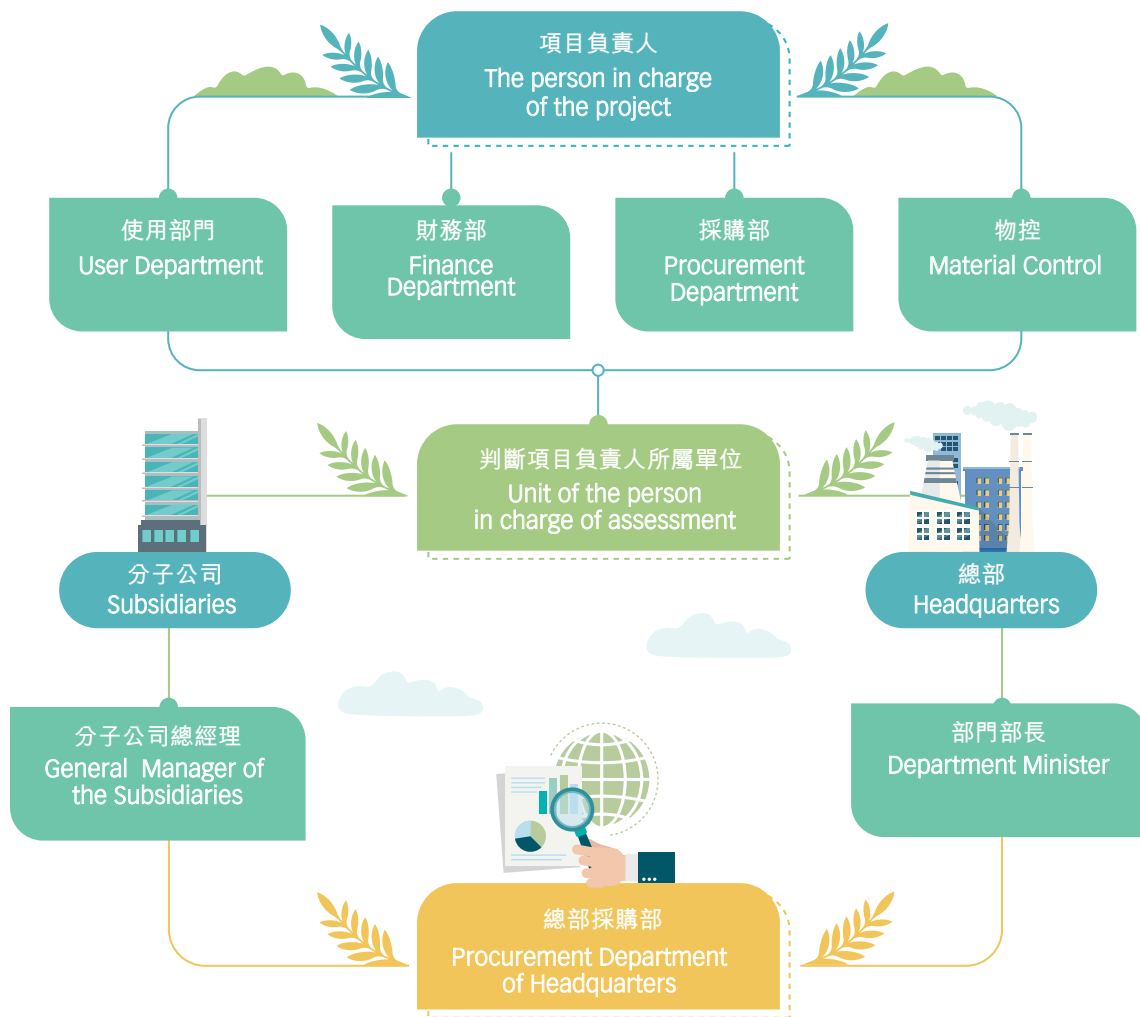


6. Strengthening Standardized Operation 強化規範運營

Regarding new process technologies, complex 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 the Procurement Department shall carry out inspection and review as required. For bulk procurement projects, on-site inspection for the newly procured suppliers will be conducted jointly by relevant departments including department of procurement, technology, processing, equipment, workshop and finance, to ensure the level of suppliers and the fairness and impartiality of the procurement process, while safeguarding the quality of our products and services.

在新工藝技術、工藝技術複雜或大型工程建設項目等方面，相關部門或技術部門需要提供滿足技術工藝要求的新供應商，由採購部門按照要求進行考察和評審。而在大宗採購項目方面，本集團將由採購、技術、工藝、設備、車間、財務等相關部門共同對新開發的供應商進行現場考察，以確保供應商的水平及採購程序的公平公正，同時保障我們產品和服務的質量。

Flow Chart of Supplier Assessment
供應商評價流程圖



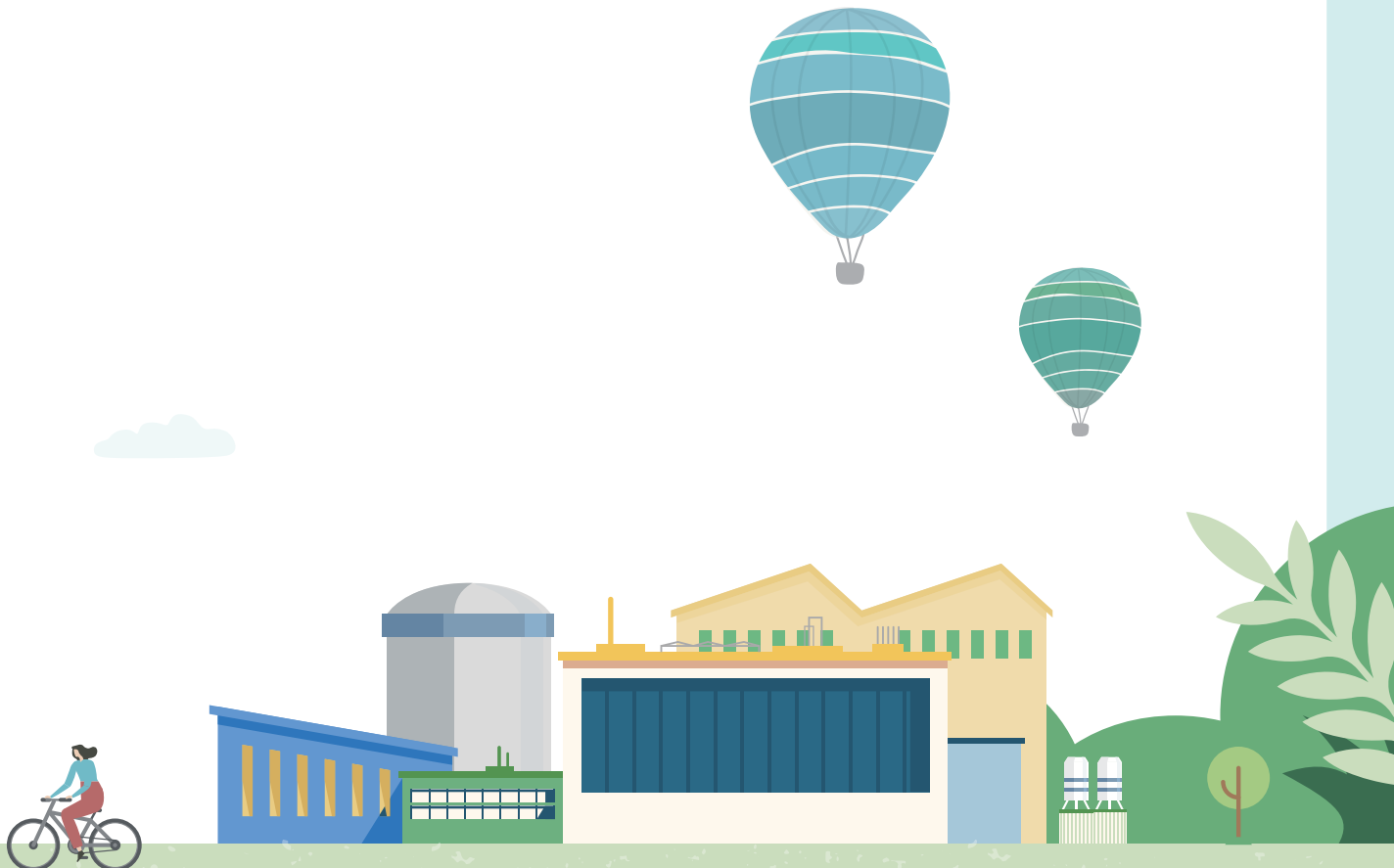
6. Strengthening Standardized Operation 強化規範運營

In order to manage the social and environmental risks of the supply chain, we have established a unified supplier directory to record the performance, data and assessment of suppliers in detail. Paying close attention to the performance of suppliers is in line with our concept of sustainable development. We will sign incorruptibility agreements with suppliers and relevant employees of the Group before carrying out major projects, and also include incorruptibility clauses in purchase contracts when purchasing, requiring them to abide by the incorruptibility agreement, thereby strengthening the work of anti-corruption and promotion of integrity, in order to facilitate the management of the Group's procurement business work scattered throughout the country and prevent bribery and fraud in the procurement process.

In this Year, we had a total of 1,364 suppliers from Mainland China, of which 1,359 were from Mainland China and 5 were from Hong Kong, China, providing services and products regarding design service consultation, equipment, construction, consumables, accessories, technology, etc.

為管理供應鏈的社會及環境風險，我們設立統一的供應商名錄，詳細紀錄供應商的表現、數據及考核情況等，密切關注供應商的表現符合我們可持續發展的理念。我們會在進行重大項目前向供應商及本集團的相關員工簽署廉潔協議書，並於採購時在採購合同中加入廉潔條款，要求其遵守廉潔的約定，從而強化反貪倡廉的工作。

本年度，我們共有1,364個供應商，當中1,359個來自中國內地，5個來自中國香港，為我們提供設計服務諮詢、設備、施工、耗材、輔料及技術等服務及產品。



7. Harmonious Labor Relations 和諧僱傭關係

The Group continues to adhere to the concept of “Be a sincere person, do things with integrity, communicate honestly” and manages our human resources with a people-oriented attitude. We abide by the relevant rules of employment and labor, provide employees with reasonable remuneration, and focus on the cultivation of professional talents to attract and retain talents and enhance the Company’s competitiveness.

7.1 COMPLIANCE LABOR MANAGEMENT

The Group is committed to building a harmonious, healthy, fair and non-discriminatory work culture, and hope that our employees can enjoy the work. We strictly abide by the relevant laws and regulations, such as 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 and the Provisions on the Prohibition of Using Child Labor. In the Employee Handbook, we clearly cover recruitment and promotion, salary and dismissal, working hours, work code of conduct, employee development, performance appraisal, holidays, equal opportunities, diversity, prevention of child labor and forced labor, and other benefits and welfare and other issues to guarantee the career development, treatment and welfare of employees.

As of 31 December 2021, the Group has 5,265 full-time employees, of which 1,241 were female employees and 4,024 were male employees. The detailed information of the Group’s employees is set out in Appendix I: KPI Data Table.

本集團繼續堅守「誠懇做人、誠信做事、坦誠溝通」的理念，並以以人為本的態度管理我們的人力資源。我們遵守僱傭及勞工的相關常規，給予員工合理的薪酬待遇，並著重專業人才的培育，從而吸納和保留人才，提升公司的競爭力。

7.1 合規勞工管理

本集團致力打造一個和諧、健康、公平和非歧視的工作文化，希望員工可以享受我們的工作。我們嚴格遵循《中華人民共和國勞動法》、《中華人民共和國勞動合同法》、《中華人民共和國未成年人保護法》和《禁止使用童工規定》等相關法律法規。在我們的《員工手冊》中已清楚講述了招聘及晉升、薪酬及解僱、工作時數、工作行為規範、員工發展、績效考核、假期、平等機會、多元化、防止童工及強制勞動、以及其他待遇及福利等議題，令員工的事業發展、待遇和福利得到保障。

截至二零二一年十二月三十一日，本集團的全職僱員人數為5,265名僱員，當中有女性僱員1,241名及男性僱員4,024名。其他詳細僱員情況載列於附錄一：關鍵績效指標數據表。



7. Harmonious Labor Relations 和諧僱傭關係

Recruitment Management

We revised the "Recruitment Management System" to improve the policies and regulations on employee recruitment, personnel management, remuneration, and benefits to meet the Group's business development needs. The Group recruits through various channels, such as recruitment websites, campus recruitment, recruitment agencies, internal recruitment, etc., to attract talents. Adhering to the principle "fair, just and open", a unified selection process is carried out based on the applicant's educational background, work experience, professional knowledge, ability, etc., regardless of the candidate's gender, age, nationality, race, etc., can enjoy equal employment opportunities. During the recruitment screening process, the Human Resources Department will review the identity, qualifications and actual age of the candidates to prevent child labor and other problems. If any violation is found, we have the right to terminate the labor contract immediately. During the Year, the Group had no case of employing child labor.

Performance Assessment

The Group hopes to motivate employees to work efficiently and perform better at work. To this end, we have established a system related to performance appraisal, with the annual/semiannual/monthly/quarterly assessments, objectively understand and reflect the work performance of employees. In principle, the assessment content mainly includes three aspects: work performance assessment, learning and development assessment, and work attitude assessment, with work performance assessment as the main focus. We will use the assessment results as the justification for employees to make salary adjustments, year-end performance bonuses, job allocation, promotion and promotion, etc. We will give bonuses to some of the outstanding employees to further stimulate others to work harder for performance. The assessment also has an appeal mechanism to prevent injustice in the assessment process.

招聘管理

我們修訂了《招聘管理制度》，令員工招聘、人事管理和薪酬福利等政策規定更為完善，以配合本集團業務發展需要。本集團以招聘網站、校園招聘、招聘中介機構、內部招聘等不同渠道來吸納人才，然後遵循「公平、公正、公開」的原則，以應聘者的學歷、工作經驗、專業知識、能力等為考慮因素進行統一的甄選程序，不論候選人的性別、年齡、國籍、種族等狀況都可享有平等的獲聘機會。在招聘篩選過程中，人力資源部會對應聘者的身份、資格及實際年齡進行審查，防止童工等問題出現。如有發現違規情況，我們有權立即解除勞動合同。本年度，本集團沒有聘用童工的個案發生。

績效考核

本集團希望能激勵員工的工作效率，在工作上發揮更好的表現，因此，我們建立了績效考核相關制度，透過每年／半年／月／季度的評核，客觀地了解 and 反映員工的工作表現。其考核內容主要有三方面，包括工作業績、學習與發展和工作態度行為，而績效考核結果是薪酬調整、年終績效獎金、崗位調配、升職和晉級等的依據。我們會向當中一些表現優異的員工發放獎金，以作鼓勵，同時激發其他員工更努力爭取表現。這個考評亦有上訴機制，以防止考評過程中有不公的事情發生。



7. Harmonious Labor Relations

和諧僱傭關係



7.2 REMUNERATION AND BENEFITS OF EMPLOYEES

The Group gives its employees reasonable and competitive remuneration, benefits and treatment, and ensures their due rights, so as to thank them for their dedication to us and to attract and retain talents at the same time.

Labor System

The Group rejects the use of forced labor. All employees sign labor contracts with us on an equal and voluntary basis, which stipulate remuneration, working hours, holidays, termination basis and other matters to ensure that our employees are aware of the job description and related compensation and benefits. The headquarters of the Group implements a five-day work system, with 40 hours of work per week. However, due to the nature of production and operation of each business unit and the needs of work, each unit will make flexible adjustments to working hours according to the actual situation within the framework of compliance with laws and regulations. If overtime work is required, we will provide employees with overtime compensation leave according to the compensation regulations after obtaining approval from the leader. If violations are found, we will impose internal penalties. During the Year, there was no forced labor in the Group.

7.2 員工薪酬待遇

本集團給予員工合理且具競爭力的薪酬、福利和待遇，並確保他們應有的權益，從而感謝他們對我們的付出，同時吸引和保留人才。

勞工制度

本集團拒絕強制勞工，所有員工均在平等和自願情況下與我們簽訂勞動合同，當中訂明薪酬、工作時間、假期、終止依據等事項，我們亦確保員工清楚工作內容、以及相關的薪酬和福利。本集團總部實行五天工作制，每週工作40小時。然而，由於各業務單位有生產經營性質的及工作的需要，各單位會在符合法律法規的框架下根據實際情況對工作時間作出有彈性的調整。如有加班必要，我們會在獲領導確認審批後，根據補償規定，向員工提供加班補償休假。如有發現違規情況，我們將進行內部處責。於本年度，本集團沒有強制勞工的情況發生。



7. Harmonious Labor Relations 和諧僱傭關係



Benefits

The Group strictly implements the Labor Law of the People's Republic of China, employees of the Group can enjoy paid holidays such as statutory holidays, annual leave, sick leave, work injury leave, marriage leave, funeral leave, maternity leave, family planning leave, and breastfeeding leave. We also pay national statutory five social insurances for employees, including basic endowment insurance, unemployment insurance, basic medical insurance, work injury insurance, maternity insurance, etc. We also contribute to the housing fund and enterprise annuity for our employees. We understand that good benefits and treatment can enhance employees' sense of belonging and efficiency, and attract and retain talents. Therefore, we have established a "Remuneration Management System" to give employees additional benefits, such as annual bonuses, in addition to statutory benefits. In addition, we provide employees with a variety of benefits, high temperature work subsidies, holiday benefits, etc., and also purchase accident commercial insurance for employees according to the level of the job and the nature of the job. The Group will also handle talent introduction and household registration procedures for qualified non-local employees.

Employee Activities

The Group attaches great importance to the physical and mental health of employees and hopes that employees can achieve a balance between work and life, to give employees some opportunities to relax, relieve work pressure and enhance team spirit. We distribute festive gifts to employees on holidays, such as the Chinese New Year, Dragon Boat Festival and Mid-Autumn Festival each year. On Women's Day each year, we distribute appropriate items or organize activities for female employees to strengthen their sense of belonging to the Group.

福利待遇

本集團嚴格執行《中華人民共和國勞動法》規定，給予員工法定節假日、年休假、病假、工傷假、婚假、喪假、產假、計劃生育假、哺乳假等有薪假期。此外，我們亦為員工繳納國家法定的五險，包括基本養老保險、失業保險、基本醫療保險、工傷保險、生育保險等，同時也為員工繳納住房公積金及企業年金。我們明白良好的福利和待遇能提升員工的歸屬感和效率，也能吸引和留住人才，因而設有《薪酬管理制度》，在法定的福利外給予員工額外的福利，例如年度獎金。而且我們為員工提供多元的福利，如高溫作業補貼、節日福利等，也亦按崗位的級別及工作性質，為員工購買意外商業保險。對於那些符合條件的外地員工辦理人，本集團會為他們辦理人才引進及戶口遷移手續。

員工活動

本集團著重僱員的身心健康，希望員工得到工作與生活的平衡，藉此給予員工一些放鬆的機會，舒緩工作壓力及提升團隊精神。我們於每年春節、端午節及中秋節等節日向員工發放過節禮品，而在每年的婦女節時則為女員工發放適當的物品或組織活動，從而令他們對本集團更有歸屬感。



7. Harmonious Labor Relations

和諧僱傭關係

7.3 TALENT TRAINING SYSTEM

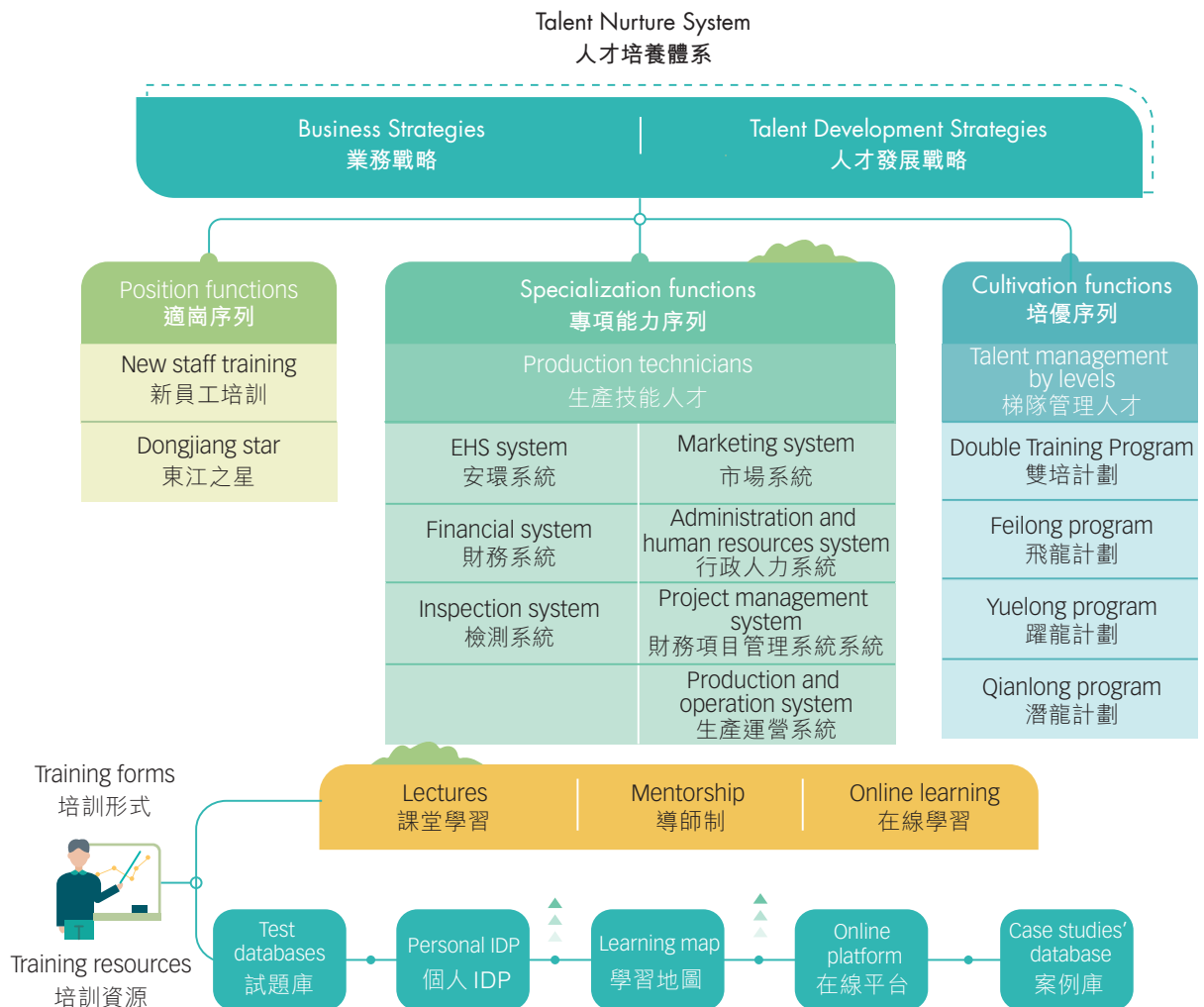
Talent is one of the most important assets of the Group. Therefore, we attach great importance to talent training and strive to improve their work efficiency and capabilities. We have established a talent training system to strengthen the professional knowledge and capabilities of our employees through internal training, practical guidance and other means, thereby enhancing the competitiveness of the Group.

During the Year, Dongjiang Environmental adhered to the principles of Party management of cadres and Party management of talents, focused on the Company's business management goals, and relied on Dongjiang Environmental college to upgrade the "talent cultivation" project, tap and cultivate compound management talents and technical backbones, implement the Dongjiang Environmental Talent Training System, and focus on Build a "pyramid" of talent cultivation, build a precise and professional cultivation chain, and create a cradle of high-quality talents for domestic hazardous waste and solid waste.

7.3 人才培養體系

人才是本集團其中一個最重要的資產，因此，我們十分重視人才培訓，致力提升他們的工作效率和能力。我們已設立人才培養體系，通過內部培訓、實踐指導等方式，多方面加強員工的專業知識和能力，從而提升本集團的競爭力。

本年度，東江環保堅持黨管幹部、黨管人才原則，聚焦公司經營管理目標，依託東江環保書院，升級「人才培育」工程，挖掘培養複合型管理人才、技術骨幹，落實東江環保人才培養體系，著力搭建人才培育「金字塔」，構建精準專業的培育鏈條，打造成為國內危廢固廢高素質人才搖籃。



7. Harmonious Labor Relations 和諧僱傭關係

The Group regularly provides various trainings to employees, including induction training for new employees, technical training, professional training, health and safety training, etc., to improve the quality, ability and level of employees.

本集團定期向僱員提供各種培訓，包括新僱員入職培訓、技術培訓、專業培訓、健康及安全培訓等，以提升員工的質素、能力和水平。

Type of Training 培訓類型	Purpose of Training 培訓目的	No. of Participants 參與人數
<p>New Staff Training 新員工培訓</p> 	<p>The online training involved the Company's history, rules and regulations, basic knowledge of safety and environmental protection, etc. which laid the foundation for new employees to start working at their positions.</p> <p>在線培訓包括公司發展史、規章制度、安全環保基礎知識等，為新員工進入崗位、開始新歷程奠定了基礎。</p>	<p>A total of hundreds of employees completed online learning and assessment.</p> <p>共有數百名員工完成在線學習與考核。</p>
<p>2021 Dongjiang Environmental Party History Learning and Education Special Red Training Course 2021年東江環保黨史學習教育專題紅色培訓班</p> 	<p>An in-depth study of the spirit of General Secretary Xi Jinping's important speech at the Party History Learning and Education Mobilization Conference solidly promotes the Party history learning and education and guides party members and cadres not to forget their original aspirations, keep their mission in mind, and the "14th Five-Year Plan" is off to a good start to welcome the 100th anniversary of the founding of the Communist Party of China.</p> <p>深入學習習近平總書記在黨史學習教育動員大會上的重要講話精神，扎實推動黨史學習教育走深走實，引導黨員幹部不忘初心、牢記使命，以「十四五」良好開局迎接中國共產黨成立100周年。</p>	<p>The Company has more than 30 middle-level and above party members and cadres.</p> <p>公司中層及以上黨員幹部30餘人。</p>



7. Harmonious Labor Relations 和諧僱傭關係

Type of Training 培訓類型	Purpose of Training 培訓目的	No. of Participants 參與人數
<p>2021 Yuelong program 躍龍計劃 2021</p> 	<p>The training adopts a new two-pronged model of “online micro-course + offline training”. The training is divided into sections to alleviate the contradiction between engineering and learning. The purpose is to improve the ability, quality and professional quality of management cadres at all levels, train students’ comprehensive problem-solving ability, and serve as backup talent selection and inspection. important part.</p> <p>培訓採取「在線微課+線下集訓」雙管齊下新模式，分段式培訓，緩解工學矛盾，目的提升各級管理幹部能力素質、專業素養，訓練學員綜合解決問題能力，並作為後備人才選拔考察的重要環節。</p> 	<p>Covering more than 40 key management personnel.</p> <p>覆蓋骨幹管理人員 40 餘人。</p>  


7. Harmonious Labor Relations 和諧僱傭關係

Type of Training 培訓類型	Purpose of Training 培訓目的	No. of Participants 參與人數
<p>Three-level safety education and training program and special training on the new "Safety Production Law" 三級安全教育培訓計劃以及新《安全生產法》專題培訓</p> 	<p>In order to further strengthen the safety production publicity and education, enhance the safety production awareness of all employees, and lay a solid foundation for safety and stability, we organize cadres and employees to study safety production laws and regulations in depth, and incorporate the new Safety Production Law into the three-level safety education and training plan. We carried out special training on the new Safety Production Law, carried out in-depth warning education activities on safety production accident cases, and organized 130 study of the new "Safety Production Law".</p> <p>為進一步強化安全生產宣傳教育，增強全員安全生產意識，打牢安全穩定基礎，我們組織幹部職工深入學習安全生產法律法規，將新《安全生產法》納入三級安全教育培訓計劃。我們開展新《安全生產法》專題培訓，深入開展安全生產事故案例警示教育活動，並組織學習新《安全生產法》130次。</p> 	<p>There were 103 special training sessions, with a total of 2,960 participants; the Company systematically carried out 207 warning education sessions, with a total of 5,092 participants.</p> <p>專題培訓103場，共2,960人次參加；公司系統開展警示教育207次，共計5,092人次參加。</p> 

7. Harmonious Labor Relations 和諧僱傭關係

Type of Training 培訓類型	Purpose of Training 培訓目的	No. of Participants 參與人數
<p>Centralized training for party staff 黨務工作人員集中培訓</p> 	<p>In order to further strengthen the training of party affairs personnel, further promote the study and education of party history, and promote the Company's party building work to a new level.</p> <p>為進一步加強黨務人員培養，深入推進黨史學習教育，推動公司黨建工作再上新台階。</p> 	<p>A total of more than 90 people from the Company's party branch secretaries, full-time and part-time party affairs staff of party organizations, and unit information reporting staff participated in this training through on-site or video.</p> <p>公司各黨支部書記、黨組織專兼職黨務工作人員、單位信息報送工作人員共計90餘人通過現場或視頻方式參加本次培訓。</p> 

7. Harmonious Labor Relations 和諧僱傭關係

Type of Training 培訓類型	Purpose of Training 培訓目的	No. of Participants 參與人數
Tax special training 稅務專題培訓 	In order to improve the professional knowledge and ability of tax personnel, the key content and matters of the carefully chosen Tax Modules are selected for an explanation, and the grass-roots echelon talents' professional technical ability and management ability are comprehensively improved. 為提升稅務人員專業知識與能力，精選稅務模塊的重點內容及事項進行講解說明，全面提升基層梯隊人才的專業技術能力和管理能力。	For the financial personnel of the headquarters and various business divisions, more than 100 people have been trained online and offline. 針對總部及各事業部財務人員，在線及線下培訓人次達百餘人。

In addition to the above training, the subsidiaries of the Group have steadily promoted the construction of skilled talent teams in accordance with the relevant decision-making arrangements and work requirements. Through internal training and outsourcing training, a total of 82 skill training courses of various types were held throughout the Year, with 1,183 employees participating in the training. Outsourced institutions carried out skill certification, 265 people obtained skill certificates, mastered new technologies and new knowledge, and their skill level has reached a new level. We also launched the "Ring Match", and held more than 30 skill competitions of various types throughout the Year. There were 920 participating employees, and hundreds of skilled operators emerged.

除了以上的培訓，本集團各下屬單位按照相關決策部署和工作要求，扎實推進技能人才隊伍建設。通過內訓與委外培訓，全年累計舉辦各類技能培訓班82場，參訓員工達到1,183人次。委外機構開展技能認證，265人獲得技能證書，掌握了新技術、新知識，技能水平上了新台階。我們亦開展「擂台賽」，全年累計開展各類技能競賽共計30餘場次，參賽員工920名，涌現出數百名操作能手。



Vocational Skills Competition
職業技能競賽



7. Harmonious Labor Relations 和諧僱傭關係

7.4 EMPLOYEE HEALTH AND SAFETY

The health and safety of employees is an important part of the Group. We do our best to provide employees with a safe working environment and prevent accidents.

Occupational Safety Management

We strictly abide by the occupational health and safety-related laws and regulations, including the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, Measures for the Administration of Occupational Health Examination and the Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used. We have also formulated the Occupational Health Management Regulations, to regulate responsibilities and contents of various departments' occupational health and safety management work are standardized to prevent, control, and eliminate occupational disease hazards. The Safety and Environmental Protection Department of the headquarters is the centralized management department of the Company's occupational health management work. It is responsible for organizing and carrying out occupational health management work, formulating and improving occupational health management systems, and supervising, inspecting and evaluating the occupational health management work of subordinate units. The Human Resources Department of the headquarters is responsible for the setting of occupational health management organizations and subordinate occupational health management institutions and improves the management regulations of relevant occupational health training, occupational hazards and unit health companies in the human resources management system.

According to the Production Safety Law of the People's Republic of China and the Environmental Protection Law of the People's Republic of China, we have formulated the Workplace and Behavior Safety Management Regulations to supervise and manage the safety requirements in production areas, workplaces, facilities and equipment and operating behaviors. In order to prevent the occurrence of unfortunate accidents, while ensuring the safety of employees. For more details on the management system for safeguarding occupational health, safety and environmental protection, please refer to section 6.1 Safety, Environment and Quality Management in the Report.

7.4 員工健康與安全

員工的健康和安全為本集團十分重視的一環，我們竭盡所能給予員工一個安全的工作環境，慎防事故發生。

職業安全管理

我們嚴格遵守《中華人民共和國職業病防治法》、《職業健康檢查管理辦法》、《使用有毒物品作業場所勞動保護條例》等職業健康安全相關法律法規。我們也制定了《職業健康管理規定》，規範了各部門的職業健康安全工作的職責和內容，以預防、控制和消除職業病危害。總部安全環保部是公司職業健康管理工作的歸口管理部門，負責組織開展職業健康管理工作，制定和完善職業健康管理制度，對下屬單位職業健康管理工作進行監督、檢查和考核。而總部人力資源部則負責職業健康組織機構及下屬職業健康管理機構的設置，完善的人力資源管理制度中相關職業健康培訓、職業危害和單位健康公司等管理規定。

我們按照《中華人民共和國安全生產法》和《中華人民共和國環境保護法》，制定《工作場所和行為安全管理規定》來監督及管理於生產區、工作場所、設施設備及作業行為的安全要求，以防止不幸事故的出現，同時保障員工的安全。請參閱本報告章節6.1安全健康環境質量管理以獲取更多關於保障職業健康與安全環保的管理體系詳情。

7. Harmonious Labor Relations 和諧僱傭關係

Every new employee shall receive occupational health training before taking up the post, and existing employees shall also receive occupational health training on a regular basis. The Safety and Environmental Protection Department will cooperate with various departments and be responsible for the content and specific details of the system training. The related work includes regular self-rescue and mutual-rescue skills training, education and training on professional knowledge and laws and regulations in relation to occupational health.

During the Reporting Period, there were no serious accidents involving work-related casualties, and the number and rate of work-related fatalities in each of the past three years (2019, 2020, and 2021) were zero. In addition, the number of days lost due to work-related injuries this Year was 2,060 days, and all work-related injury cases have been properly handled in accordance with relevant national and local laws and regulations.

所有新員工在上崗前都需要接受職業衛生培訓，而在職員工亦要定期接受職業衛生培訓。安全環保部門會與各部門配合和負責制度培訓內容及具體細節，相關的工作包括定期舉辦自救互救技能培訓、職業健康專業知識與法律法規的教育培訓工作等。

報告期內，並沒有發生員工因工傷亡的嚴重事故，過去三年(2019、2020、2021年)每年因工死亡的人數及比率為零。另外，本年度因工傷損失的日數為2,060天，所有工傷個案已按照國家及地方的相關法律法規獲得妥善處理。



Contents of occupational health and safety training
職業健康安全培訓內容





Occupational disease prevention and control laws and regulations education
職業病防治法規教育



Occupational health and safety expertise and laws and regulations
職業健康安全專業知識及法律法規



Self-rescue and mutual rescue skills
自救互救技能



Post labor protection knowledge education
崗位勞動保護知識教育



Instructions of protective equipment
防護用具使用方法



Accident emergency handling
事故應急處理



7. Harmonious Labor Relations 和諧僱傭關係

Emergency rescue drill

In order to enhance the employees' ability to respond to emergencies, all units of the Group have continuously improved emergency rescue plans, and at the same time, strengthen practical emergency drills, so that employees and all units can be prepared before emergencies occur, so as to reduce losses and casualties caused by related incidents. This Year, each unit conducted emergency drills for fire, chemical leakage, poisoning in limited space, etc. The Group has organized fire emergency drills in November this Year, with a total of 164 people participating in the drills.



應急救援演習

為提升員工在緊急情況下的應變能力，本集團各單位不斷地完善應急救援預案，同時加強實際的應急演練，讓員工，以至各單位能在突發事件發生前做好準備，減低相關事件發生所引致的損失和傷亡。本年度各單位分別進行針對火災、化學品洩漏、有限空間中毒等應急演練。本集團已於本年度11月組織消防應急演習，是次參與演練活動人數共有164人。

Free health examination

The Group attaches great importance to the physical health of its employees, so it conducts free health check-ups for employees every year. Both male and female employees can take appropriate physical examination items to detect latent diseases in time and ensure the health of employees.

免費健康體檢

本集團重視僱員的身體健康，所以每年為員工開展免費的健康體檢活動。男性和女性員工都可以分別進行適合的體檢項目，以便及時發現潛伏的疾病，令員工的健康更有保障。



8. Creating Social Value 創造社會價值

As a state-owned environmental protection enterprise, the Group has always cared about the community and fulfilled its social corporate responsibility. This Year, we do our best to provide assistance to help the community to prevent and control the epidemic and prevent the spread of the epidemic. At the same time, we also take care of the disadvantaged groups in the society, assists in poverty alleviation work, and hopes to contribute to the society while developing its business.

8.1 INVESTING IN EPIDEMIC PREVENTION AND CONTROL

As a leader in the hazardous waste disposal industry, Dongjiang Environmental, actively responds to the call of Shenzhen Government Departments, relying on the transportation companies and renewable energy companies in the Shenzhen area, the Dongjiang Environmental Anti-epidemic Team consisting of nearly 20 people was established immediately to fully support Shenzhen's emergency collection and transportation of epidemic-related medical waste.

Relying on rich experience in the collection, transportation and disposal of hazardous waste, Dongjiang Environmental's anti-epidemic pioneers attach great importance to the protection of epidemic-related medical waste in the collection and transportation links, strictly implement the technical specifications for medical waste disposal, and ensure the same-day collection, same-day transfer, and special vehicles. On the basis of special delivery and timely disinfection, we will continue to optimize the transportation routes of medical waste, try to avoid busy road sections, and maintain a safe distance from the crowd to the greatest extent possible, to ensure standardized collection and transportation, foolproof.

In order to ensure the daily production of medical waste, the anti-epidemic pioneers of Dongjiang Environmental Protection start the collection and transportation of medical waste at 7 o'clock every morning. Our footprints are all over Shenzhen's major hospitals, airports, vaccination sites, nucleic acid sampling sites, quarantine hotels, etc and other collection and transportation points, and go all out to help the country overcome the difficulties of epidemic prevention and control.

作為國有環保企業，本集團一直關懷社區，履行社會企業責任。本年度，我們盡能力地提供協助，幫助社區進行疫情防控制，防止疫情擴散，同時亦關照社會上的弱勢群體，協助扶貧工作，希望在發展業務的同時為社會作出貢獻。

8.1 投入疫情防控

東江環保作為危廢處置行業的排頭兵，積極響應深圳市政府部門號召，依託深圳片區的運輸公司和再生能源公司，第一時間成立了由近20人組成的「東江環保抗疫先鋒隊」，全力支持深圳市涉疫醫廢應急收運工作。

憑藉豐富的危險廢物收運處置經驗，東江環保抗疫先鋒隊員們高度重視涉疫醫廢在收集、運輸環節的防護工作，嚴格執行醫療廢物處置技術規範，在力保當日收集、當日轉運、專車專送、及時消毒的基礎上，不斷優化醫廢運輸線路，儘量避開繁華路段，最大限度與人群保持安全距離，確保規範收運、萬無一失。

為努力確保醫療廢物的日產日清，東江環保的抗疫先鋒隊員們每天早上7點展開醫廢收運工作，足跡遍佈深圳各大醫院、機場、疫苗接種點、核酸採樣點、隔離酒店等多個收運點，全力以赴助力國家共渡疫情防控難關。



8. Creating Social Value 創造社會價值

8.2 ENVIRONMENTAL EDUCATION CONSTRUCTION

Dongjiang Environmental participated in the “Notice on naming the 2021 Shenzhen Environmental Education Base and Nature School” plan issued by the Shenzhen Municipal Bureau of Ecology and Environment, and stood out from many applicants. After the expert review, public announcement and final review organized by the Municipal Bureau of Ecology and Environment, it was awarded one of the “2021 Shenzhen Environmental Education Bases”.

This plan aims to commend enterprises and institutions that have good public opening conditions and social benefits, and have made outstanding contributions in the field of environmental protection, or environmental demonstration projects that have a demonstration role and promotion value in the city. Over the years, Dongjiang Environmental Protection has always taken social responsibility as its foundation, and resolutely implemented the call of the Ministry of Ecology and Environment to open environmental protection facilities to the public. Relying on more than 40 environmental protection disposal units all over the country, we have established a number of environmental education bases. In recent years, it has received more than 5,000 person-times from environmental protection enthusiasts from all walks of life.

Dongjiang Environmental will continue to uphold the glorious mission of “practice ecological civilization and serve beautiful China”, relying on the newly completed headquarters smart environmental protection exhibition hall and the Company’s many environmental protection disposal units in Shenzhen, actively organize more young people, children and the masses to visit and study in Dongjiang Environmental, and effectively play the role of environmental education base for publicity and education, to contribute more to building a good situation for the construction of ecological civilization with the participation of the whole people, and helping Shenzhen to take the lead in creating a beautiful model of China where man and nature coexist in harmony.

8.2 環境教育建設

東江環保參與了由深圳市生態環境局發佈的《關於命名2021年深圳市環境教育基地和自然學校的通知》計劃，並從眾多申請單位中脫穎而出，經市生態環境局組織專家評審、公示及最終審，獲評「2021年深圳市環境教育基地」之一。

是項計劃旨在表彰具有良好公眾開放條件和社會效益，在環境保護領域有突出貢獻的企事業單位，或在全市具有示範性作用和推廣價值的環保示範工程。多年來，東江環保始終將承擔社會責任作為立身之本，堅決落實生態環境部關於環保設施向公眾開放的號召，以遍及全國的40多家環保處置單位為依託建立了多個環境教育基地，近年來累計接待社會各界環保熱心人士逾5,000人次。

東江環保將繼續秉承「踐行生態文明，服務美麗中國」的光榮使命，依託新落成的總部智慧環保展廳和公司深圳地區的多家環保處置單位，積極組織全市更多的青少年兒童、群眾來東江環保參觀學習，切實發揮環境教育基地的宣傳教育作用，為構建全民共同參與的生態文明建設良好局面，助力深圳率先打造人與自然和諧共生的美麗中國典範貢獻更多力量。



8. Creating Social Value 創造社會價值

8.3 CHARITABLE ACTIONS FOR PUBLIC WELFARE

The Group has been supporting the promotion of the UN Sustainable Development Goal 1: No Poverty - “Eliminate all forms of poverty in the world”, and has carried out poverty alleviation work in different regions of the country to contribute to the development of the country. During the Year, the Group invested a total of RMB832,700 in public welfare activities.

In terms of social poverty alleviation, the Group and its subsidiaries carried out poverty alleviation work in Heshan City, Guangdong Province, Meizhou City, Guangdong Province, Shaoguan City, Guangdong Province, Nantong City, Jiangsu Province and other relevant areas. A total of RMB782,700 was invested during the Year, of which RMB400,000 was donated to the Beautiful Shenzhen Public Welfare Foundation, the fixed-point poverty alleviation work invested RMB2,700, and other donations and sponsorships were RMB380,000. In terms of poverty alleviation through education, the Group and its subsidiaries provided a total of RMB50,000 to poor students and left-behind children in 2021.

On the morning of January 28, 2021, the Secretary of the Party Branch and the General Manager of Shaoguan Green Renewable Resources Development Co., Ltd. (“Shaoguan Green”), under the leadership of the Village Party Secretary of Longti Village, Tielong Town, Wengyuan County, went deep into Longti Village to visit and condolences to the poor households in the hanging point, and provided them with daily necessities such as rice, oil and noodles, and delivered them in advance. Sending New Year’s greetings and blessings. In this activity, a total of 36 poor households were visited and condoled.

8.3 公益慈善行動

本集團一直支持推動聯合國可持續發展目標1：無貧窮－「在全世界消除一切形式的貧困」，並在國內不同的地區進行扶貧工作，為國家發展出一分力。在本年度，本集團共投入人民幣83.27萬元資金用作公益活動。

在社會扶貧方面，本集團及分子公司分別在廣東省鶴山市、廣東省梅州市、廣東省韶關市和江蘇省南通市等相關地區開展扶貧工作，在本年度共投入人民幣78.27萬元，其中向美麗深圳公益基金會捐贈人民幣40萬元、定點扶貧工作投入人民幣2,700元、其他捐贈贊助人民幣38萬元等。在教育扶貧方面，本集團及分子公司2021年共資助貧困學生和留守兒童人民幣5萬元。

2021年1月28日上午，韶關東江環保再生資源發展有限公司(以下簡稱：韶關東江)黨支部書記、總經理在翁源縣鐵龍鎮龍體村村支書的帶領下，深入龍體村對掛點貧困戶進行了走訪慰問，為他們送上米、油、面等生活必需品，並提前送上新春佳節的問候與祝福。此次活動，共走訪慰問了36戶貧困住戶。



8. Creating Social Value 創造社會價值



Shaoguan Green delivers food to poor households
韶關東江為貧困住戶送上了生活食品

In addition, on September 2021, the Secretary of the Party Branch and General Manager of Shaoguan Dongjiang, went to Tielong Town Nursing Home for Mid-Autumn Festival condolences and gave them rice, oil, noodles, moon cakes and milk as Mid-Autumn Festival condolences.

此外，2021年9月8日，韶關東江黨支部書記、總經理到鐵龍鎮敬老院中秋慰問，為他們送上米、油、面、月餅和牛奶，作為中秋慰問品。



Proceed to Tielong Town Nursing Home for condolences
前往鐵龍鎮敬老院慰問

Appendix I: KPI Data Table

附錄一：關鍵績效指標數據表

Environmental Subject Area ¹ 環境範疇 ¹	Unit 單位	2021 2021 年度
Air Pollutants² 空氣排放物²		
Nitrogen oxides (NO _x) 氮氧化物 (NO _x)	Tonnes 公噸	102.66
Sulphur oxides (SO _x) 硫氧化物 (SO _x)	Tonnes 公噸	40.32
Particulate matter (PM) 顆粒物 (PM)	Tonnes 公噸	6.52
Greenhouse Gas Emission³ 溫室氣體排放量³		
Direct GHG emissions (Scope 1) 直接溫室氣體排放(範圍1)	Tonnes of CO ₂ e 公噸二氧化碳當量	37,101.62
Direct GHG removals (Scope 1) (tree planting) 直接溫室氣體減除(範圍1)(樹木種植)	Tonnes of CO ₂ e 公噸二氧化碳當量	9.78
Indirect GHG emissions (Scope 2) 間接溫室氣體排放(範圍2)	Tonnes of CO ₂ e 公噸二氧化碳當量	91,775.58
Total GHG emissions (Scope 1 & 2) 溫室氣體排放總量(範圍1及2)	Tonnes of CO ₂ e 公噸二氧化碳當量	128,867.42
Total GHG emissions intensity (per square meter) 溫室氣體排放強度(每平方米)	Tonnes of CO ₂ e/m ² 公噸二氧化碳當量/平方米	0.08

- | | |
|--|--|
| <p>1 The environmental KPIs cover the Group's headquarters' office building in Shenzhen and the office and plants of 15 main subsidiaries of the Group, including Baoan Dongjiang, Jiangmen Dongjiang, Huizhou Dongjiang, Qingyuan Xinlv, Qiandeng Wastes Treatment, Zhuhai Yongxingsheng, Shaoguan Sustainable Resources, Jiangsu Dongjiang, Wosen Environmental, Jiangxi Dongjiang, Qianhai Dongjiang, Humen Green, Xiantao Dongjiang, Huabao Technology and Renewable Energy.</p> | <p>1 環境範疇數據涵蓋本集團深圳總部辦公大樓及本集團旗下十五家主要子公司的辦公室及車間，包括寶安東江、江門東江、惠州東江、清遠新綠、千燈三廢、珠海永興盛、韶關再生資源、江蘇東江、沃森環保、江西東江、前海東江、虎門綠源、仙桃東江、華保科技、再生能源。</p> |
| <p>2 Data includes stationary sources and air emissions from vehicles. For the calculation method of air emissions from vehicles, please refer to "How to Prepare an ESG Report - Appendix II: Reporting guidance on Environmental KPIs" of the Stock Exchange.</p> | <p>2 數據包括固定源及車輛產生的空氣排放物。車輛產生的空氣排放物的計算方法參考聯交所「如何編備環境、社會及管治報告—附錄二：環境關鍵績效指標匯報指引」。</p> |
| <p>3 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 and steam purchased (including offices and plants).</p> | <p>3 根據ISO 14064溫室氣體盤查標準，直接溫室氣體排放(範圍一)針對直接來自於組織所擁有及控制的排放源，如自身所擁有的固定設備(包括辦公室和車間)、交通工具及製冷劑的排放；間接溫室氣體排放(範圍二)針對能源間接排放源，如購入電力及蒸氣而造成間接之溫室氣體排放(包括辦公室和車間)。</p> |

Appendix I: KPI Data Table

附錄一：關鍵績效指標數據表

Environmental Subject Area ¹ 環境範疇 ¹	Unit 單位	2021 2021 年度
Energy Consumption 能源消耗		
Total purchased electricity consumption 外購電力耗用量	MWh 兆瓦時	96,698.33
Total purchased electricity intensity (per square meter) 外購電力強度(每平方米)	MWh/m ² 兆瓦時/平方米	0.06
Natural gas consumption 天然氣消耗量	Ten thousand m ³ 萬立方米	789.40
Refinery dry gas consumption 煉廠乾氣消耗量	Tonnes 公噸	0.05
Steam consumption 蒸氣耗用量	Tonnes 公噸	79,191.97
Amount of diesel consumed by fixed equipment 固定設備耗用的柴油量	Liters 公升	5,806,941.18
Amount of diesel consumed by motorcade 車隊耗用的柴油量	Liters 公升	1,380,358.31
Amount of gasoline consumed by motorcade 車隊耗用的汽油量	Liters 公升	158,413.84
Water Consumption 水源消耗		
Total water consumption 總耗水量	m ³ 立方米	658,030.80
Total water consumption intensity (per square meter) 總耗水強度(每平方米)	m ³ /m ² 立方米/平方米	0.41
Hazardous Waste⁴ 有害廢棄物⁴		
Hazardous waste production 有害廢棄物產量	Tonnes 公噸	21,028.21
Hazardous waste production intensity (per square meter) 有害廢棄物產量強度(每平方米)	Tonnes/m ² 公噸/平方米	0.01
Non-hazardous Waste⁵ 無害廢棄物⁵		
Non-hazardous waste production 無害廢棄物產量	Tonnes 公噸	25,869.96
Non-hazardous waste production intensity (per square meter) 無害廢棄物產量強度(每平方米)	Tonnes/m ² 公噸/平方米	0.02

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

5 Non-hazardous waste includes domestic waste, sludge, waste paper, waste plastic, etc.

4 有害廢棄物包括焚燒飛灰、焚燒爐渣、實驗室廢液、廢機油、廢機油空桶及廢催化劑等。

5 無害廢棄物包括生活垃圾、污泥、廢紙、廢塑料等。

Appendix I: KPI Data Table

附錄一：關鍵績效指標數據表

Environmental Subject Area ¹ 環境範疇 ¹	Unit 單位	2021 2021 年度
Paper Consumption 紙張消耗		
Paper consumption 紙張消耗	Tonnes 公噸	597.97
Paper consumption intensity (per employee) 紙張消耗強度(每名員工)	Tonnes/employee 公噸/員工	0.25
Total Amount of Packaging Material Used in Finished Products 製成品所用包裝材料的總量		
Cardboard box 紙箱	kg 千克	320.00
Paper 紙張	kg 千克	800.00
Packaging bag 包裝袋	kg 千克	47,977.26
Tonne bag 噸袋	kg 千克	1,064.42



Appendix I: KPI Data Table

附錄一：關鍵績效指標數據表

Social Subject Area ⁶ 社會範疇 ⁶	Unit 單位	2021 2021 年度
Total employees 僱員總數	No. of people 人數	5,265
Employees by Gender 按性別劃分的僱員		
Female employees 女性僱員	No. of people 人數	1,241
Male employees 男性僱員	No. of people 人數	4,024
Employees by Employment Category 按職位類型劃分的僱員		
Junior employees 初級僱員	No. of people 人數	4,845
Intermediate management 中級管理層	No. of people 人數	328
Senior management 高級管理層	No. of people 人數	92
Employees by Age Group 按年齡組別劃分的僱員		
Below 30 30 歲以下	No. of people 人數	1,185
30-50 30-50 歲	No. of people 人數	3,313
Over 50 50 歲以上	No. of people 人數	767

6 The social KPIs cover the Group's headquarters' office building in Shenzhen and the office and plants of the 15 main subsidiaries of the Group, including Baoan Dongjiang, Jiangmen Dongjiang, Huizhou Dongjiang, Qingyuan Xinlv, Qiandeng Wastes Treatment, Zhuhai Yongxingsheng, Shaoguan Sustainable Resources, Jiangsu Dongjiang, Wosen Environmental, Jiangxi Dongjiang, Qianhai Dongjiang, Humen Green, Xiantao Dongjiang, Huabao Technology and Renewable Energy.

6 社會範疇數據涵蓋本集團深圳總部辦公大樓及本集團旗下十五家主要子公司的辦公室及車間，包括寶安東江、江門東江、惠州東江、清遠新綠、千燈三廢、珠海永興盛、韶關再生資源、江蘇東江、沃森環保、江西東江、前海東江、虎門綠源、仙桃東江、華保科技、再生能源。

Appendix I: KPI Data Table

附錄一：關鍵績效指標數據表

Social Subject Area ⁶ 社會範疇 ⁶	Unit 單位	2021 2021 年度
Employees by Geographical Region 按地區劃分的僱員		
North China 華北區域	No. of people 人數	301
East China 華東區域	No. of people 人數	707
Central China 華中區域	No. of people 人數	1,260
Northwest China 西北區域	No. of people 人數	76
South China 南方區域	No. of people 人數	2,919
Other locations (including Hong Kong, Macau, Taiwan) 其他區域(包括港澳台)	No. of people 人數	2
Employee Turnover Rate⁷ 僱員流失率⁷		
Total employee turnover rate 僱員總流失率	%	18.89
Employee Turnover Rate by Gender 按性別劃分的僱員流失率		
Female employees 女性僱員	%	15.29
Male employees 男性僱員	%	19.94
Employee Turnover Rate by Age Group 按年齡組別劃分的僱員流失率		
Below 30 30歲以下	%	21.79
30-50 30-50歲	%	16.93
Over 50 50歲以上	%	11.02

7 Calculation method = number of employees turnover ÷ (number of employees turnover + annual number of employees) × 100%.

7 計算方法：流失僱員人數 ÷ (流失僱員人數 + 年終僱員人數) × 100%。

Appendix I: KPI Data Table

附錄一：關鍵績效指標數據表

Social Subject Area ⁶ 社會範疇 ⁶	Unit 單位	2021 2021 年度
Employee Turnover Rate by Geographical Region 按地區劃分的僱員流失率		
North China 華北區域	%	16.85
East China 華東區域	%	19.48
Central China 華中區域	%	15.38
Northwest China 西北區域	%	22.45
South China 南方區域	%	19.34
Other location (including Hong Kong, Macau, Taiwan) 其他區域(包括港澳台)	%	90.48
Employee Training Rate⁸ 僱員培訓率 ⁸		
Percentage of Employees Training by Gender 按性別劃分的受訓僱員百分比		
Female employees 女性僱員	%	33.36
Male employees 男性僱員	%	61.64
Percentage of Employees Trained by Employee Category 按職位類型劃分的受訓僱員百分比		
Junior employees 初級僱員	%	80.44
Intermediate management 中級管理層	%	16.17
Senior management 高級管理層	%	3.40
Average Training Hours Completed per Employee 按性別劃分的每名僱員平均培訓時數		
Female employees 女性僱員	Hours 小時	12.21
Male employees 男性僱員	Hours 小時	45.23

8 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%.

8 計算方法：該類別的員工受訓百分比 = 該類別的員工受訓人數 ÷ 受訓員工總人數 × 100%。

Appendix I: KPI Data Table

附錄一：關鍵績效指標數據表

Social Subject Area ⁶ 社會範疇 ⁶	Unit 單位	2021 2021 年度
Average Training Hours Completed per Employee by Employee Category 按職位類型劃分的每名僱員平均培訓時數		
Junior employees 初級僱員	Hours 小時	58.50
Intermediate management 中級管理層	Hours 小時	8.50
Senior management 高級管理層	Hours 小時	2.78
Occupational Health and Safety 職業健康和安全		
Number of work-related fatalities in each of the past three years (2019, 2020, 2021) 過去三年(2019、2020及2021年)每年因工亡故的人數	No. of people 人數	0
Percentage of work-related fatalities in each of the past three years (2019, 2020, 2021) 過去三年(2019、2020及2021年)每年因工亡故的比率	%	0
Number of lost days due to work injury 因工傷損失工作日數	Days 日數	2,060
Anti-corruption 反貪污		
Concluded legal cases regarding corrupt practices brought against the Group or its employees 對本集團或僱員提出並已審結的貪污訴訟案件數目	Case 宗	0

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附錄二：《環境、社會及管治報告指引》內容索引

Description of the Indicators 指標內容			Relevant Chapter(s) 相關章節
A. Environmental Subject Area 環境範疇			
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. 有關廢氣及溫室氣體排放、向水及土地的排污、有害及無害廢棄物的產生等的：(a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	5. Creating Green Environment 5. 締造綠色環境
	A1.1	The types of emissions and respective emission data. 排放物種類及相關排放數據。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	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(範圍1)及能源間接(範圍2)溫室氣體排放量(以噸計算)及(如適用)、密度(如以每產量單位、每項設施計算)。	5.3 Management of Carbon Emissions 5.3 碳排放管理 Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生有害廢棄物總量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生無害廢棄物總量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表

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Description of the Indicators 指標內容		Relevant Chapter(s) 相關章節	
	A1.5	Description of emissions target(s) set and steps taken to achieve them. 描述所訂立的排放量目標及為達到這些目標所採取的步驟。	5.3 Management of Carbon Emissions 5.3 碳排放管理
	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. 描述處理有害及無害廢棄物的方法，及描述所訂立的減廢目標及為達到這些目標所採取的步驟。	5.2 Implementing Green Development 5.2 踐行綠色運營
A2: Use of Resources 資源使用	General Disclosure 一般披露	Policies on the efficient use of resources, including energy, water and other raw materials. 有效使用資源(包括能源、水及其他原材料)的政策。	5.1 Building an Environmental Business 5.1 打造環保業務 5.2 Implementing Green Development 5.2 踐行綠色運營
	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). 按類型劃分的直接及/或間接能源(如電、氣或油)總耗量(以千個千瓦時計算)及密度(如以每產量單位、每項設施計算)。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility). 總耗水量及密度(如以每產量單位、每項設施計算)。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them. 描述所訂立的能源使用效益目標及為達到這些目標所採取的步驟。	5.2 Implementing Green Development 5.2 踐行綠色運營

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Description of the Indicators 指標內容		Relevant Chapter(s) 相關章節	
A3: The Environment and Natural Resources 環境及天然資源	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. 描述求取適用水源上可有任何問題，以及所訂立的用水效益目標及為達到這些目標所採取的步驟。	5.2 Implementing Green Development 5.2 踐行綠色運營
	A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. 製成品所用包裝材料的總量(以噸計算)及(如適用)每生產單位佔量。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	General Disclosure 一般披露	Policies on minimizing the issuer's significant impact on the environment and natural resources. 減低發行人對環境及天然資源造成重大影響的政策。	5.1 Building an Environmental Business 5.1 打造環保業務 5.2 Implementing Green Development 5.2 踐行綠色運營
A4: Climate Change 氣候變化	A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them. 描述業務活動對環境及天然資源的重大影響及已採取管理有關影響的行動。	5.1 Building an Environmental Business 5.1 打造環保業務 5.2 Implementing Green Development 5.2 踐行綠色運營
	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. 識別及應對已經及可能會對發行人產生影響的重大氣候相關事宜的政策。	5.4 Coping with Climate Change 5.4 應對氣候變化
	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. 描述已經及可能會對發行人產生影響的重大氣候相關事宜，及應對行動。	5.4 Coping with Climate Change 5.4 應對氣候變化

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Description of the Indicators 指標內容		Relevant Chapter(s) 相關章節	
B. Social Subject Area 社會範疇			
B1: Employment 僱傭	General Disclosure 一般披露	Information on the policies and 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. 有關薪酬及解僱、招聘及晉升、工作時數、假期、平等機會、多元化、反歧視以及其他待遇及福利的：(a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例。	7.1 Compliance Labor Management 7.1 合規勞工管理 7.2 Remuneration and Benefits of Employees 7.2 員工薪酬待遇
	B1.1	Total workforce by gender, employment type (for example, full- or part- time), age group and geographical region. 按性別、僱傭類型(如全職或兼職)、年齡組別及地區劃分的員工總數。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	B1.2	Employee turnover rate by gender, age group and geographical region. 按性別、年齡組別及地區劃分的員工流失比率。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
B2: Health and Safety 健康與安全	General Disclosure 一般披露	Information on the policies and 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. 有關提供安全工作環境及保障員工避免職業性危害的：(a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	6.1 Safety, Health and Environmental Management 6.1 安全健康環境管理 7.4 Employee Health and Safety 7.4 員工健康與安全
	B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year. 過去三年(包括匯報年度)每年因工亡故的人數及比率。	7.4 Employee Health and Safety 7.4 員工健康與安全 Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表

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Description of the Indicators 指標內容			Relevant Chapter(s) 相關章節
	B2.2	Lost days due to work injury. 因工傷損失工作日數。	7.4 Employee Health and Safety 7.4 員工健康與安全 Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored. 描述所採納的職業健康與安全措施，以及相關執行及監察方法。	7.4 Employee Health and Safety 7.4 員工健康與安全
B3: Development and Training 發展及培訓	General Disclosure 一般披露	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. 有關提升員工履行工作職責的知識及技能的政策。描述培訓活動。	7.3 Talent Training System 7.3 人才培養體系
	B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management). 按性別及員工類別(如高級管理層、中級管理層等)劃分的受訓員工百分比。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	B3.2	The average training hours completed per employee by gender and employee category. 按性別及員工類別劃分，每名員工完成受訓的平均時數。	Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
B4: Labor Standard 勞工準則	General Disclosure 勞工準則	Information on the policies and compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labor. 有關防止童工或強制勞工的：(a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	7.1 Compliance Labor Management 7.1 合規勞工管理

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Description of the Indicators 指標內容		Relevant Chapter(s) 相關章節	
	B4.1	Description of measures to review employment practices to avoid child and forced labor. 描述檢討招聘慣例的措施以避免童工及強制勞工。	7.1 Compliance Labor Management 7.1 合規勞工管理
	B4.2	Description of steps taken to eliminate such practices when discovered. 描述在發現違規情況時消除有關情況所採取的驟。	7.1 Compliance Labor Management 7.1 合規勞工管理
B5: Supply Chain Management 供應鏈管理	General Disclosure 一般披露	Policies on managing environmental and social risks of the supply chain. 管理供應鏈的環境及社會風險政策。	6.7 Sustainable Supplier Management 6.7 可持續供應商管理
	B5.1	Number of suppliers by geographical region. 按地區劃分的供應商數目。	6.7 Sustainable Supplier Management 6.7 可持續供應商管理
	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. 描述有關聘用供應商的慣例，向其執行有關慣例的供應商數目、以及有關慣例的執行及監察方法。	6.7 Sustainable Supplier Management 6.7 可持續供應商管理
	B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored. 描述有關識別供應鏈每個環節的環境及社會風險的慣例，以及相關執行及監察方法。	6.7 Sustainable Supplier Management 6.7 可持續供應商管理
	B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored. 描述在揀選供應商時促使多用環保產品及服務的慣例，以及相關執行及監察方法。	6.7 Sustainable Supplier Management 6.7 可持續供應商管理

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Description of the Indicators 指標內容			Relevant Chapter(s) 相關章節
B6: Product Responsibility 產品責任	General Disclosure 一般披露	Information on the policies and 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. 有關所提供產品和服務的健康與安全、廣告、標籤及私隱事宜以及補救方法的：(a)政策；及(b)遵守對發行人有重大影響的相關法律及規例的資料。	6.1 Safety, Health and Environmental Management 6.1 安全健康環境管理 6.4 Maintaining Information Security 6.4 維護信息安全 6.5 Safeguarding Intellectual Property Rights 6.5 保障知識產權 The Group's business does not involve advertisements and labels 本集團業務不涉及廣告及標籤
	B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons. 已售或已運送產品總數中因安全與健康理由而須回收的百分比。	6.2 Strict Quality Management 6.2 嚴謹質量管理 There are no products of the Group sold or shipped subject to recalls for safety and health reasons 本集團沒有因安全與健康理由而須回收的已售或已運送產品
	B6.2	Number of products and service related complaints received and how they are dealt with. 接獲關於產品及服務的投訴數目以及應對方法。	6.6 Quality Customer Service 6.6 優良客戶服務
	B6.3	Description of practices relating to observing and protecting intellectual property rights. 描述與維護及保障知識產權有關的慣例。	6.5 Safeguarding Intellectual Property Rights 6.5 保障知識產權
	B6.4	Description of quality assurance process and recall procedures. 描述品質檢定過程及產品回收程序。	6.2 Strict Quality Management 6.2 嚴謹質量管理

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Description of the Indicators 指標內容		Relevant Chapter(s) 相關章節	
	B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored. 描述消費者資料保障及私隱政策，以及相關執行及監察方法。	6.4 Maintaining Information Security 6.4 維護信息安全
B7: Anti-corruption 反貪污	General Disclosure 一般披露	Information on the policies and compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering. 有關防止賄賂、勒索、欺詐及洗黑錢的：(a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	6.3 Probity and Compliant Operation 6.3 廉潔合規營運
	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. 於匯報期內對發行人或其員工提出並已審結的貪污訴訟案件的數目及訴訟結果。	6.3 Probity and Compliant Operation 6.3 廉潔合規營運 Appendix I: KPI Data Table 附錄一：關鍵績效指標數據表
	B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored. 描述防範措施及舉報程序，以及相關執行及監察方法。	6.3 Probity and Compliant Operation 6.3 廉潔合規營運
	B7.3	Description of anti-corruption training provided to directors and staff. 描述向董事及員工提供的反貪污培訓。	6.3 Probity and Compliant Operation 6.3 廉潔合規營運
B8: Community Investment 社區投資	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. 有關以社區參與來了解營運所在社區需要和確保其業務活動會考慮社區利益的政策。	8. Creating Social Value 8. 創造社會價值
	B8.1	Focus areas of contribution (e.g. education, environmental concerns, labor needs, health, culture, sport). 專注貢獻範疇(如教育、環境事宜、勞工需求、健康、文化、體育)。	8. Creating Social Value 8. 創造社會價值
	B8.2	Resources contributed (e.g. money or time) to the focus area. 在專注範疇所動用資源。	8. Creating Social Value 8. 創造社會價值



DONGJIANG ENVIRONMENTAL COMPANY LIMITED*
東江環保股份有限公司

