



Environmental,  
Social and  
Governance Report  
環境、社會及管治報告  
**2018**

**中国博奇环保(控股)有限公司**  
China Boqi Environmental (Holding) Co., Ltd.

(Incorporated in the Cayman Islands with limited liability)

(於開曼群島註冊成立的有限公司)

Stock Code 股份代號: 2377

# Contents

## 目錄

		Page 頁次
Message from the Chairman	領導致辭	2
Environmental Pioneer, Group Introduction	環保先鋒·集團概況	3
<ul style="list-style-type: none"><li>About the Group</li><li>Group governance</li><li>Combating Corruption and Upholding Integrity</li><li>Innovation in R&amp;D</li></ul>	<ul style="list-style-type: none"><li>關於本集團</li><li>集團治理</li><li>反腐倡廉建設</li><li>創新研發</li></ul>	<ul style="list-style-type: none"><li>3</li><li>4</li><li>5</li><li>6</li></ul>
Environmental Protection, Sustainable Development	環境保護·持續發展	7
<ul style="list-style-type: none"><li>Environmental protection</li><li>Reducing pollution emission</li><li>Conservation of energy</li></ul>	<ul style="list-style-type: none"><li>環境保護</li><li>減少污染排放</li><li>節約能源</li></ul>	<ul style="list-style-type: none"><li>8</li><li>9</li><li>11</li></ul>
Quality Service and Safe Production	優質服務·安全生產	14
<ul style="list-style-type: none"><li>Quality management</li><li>Safe production</li></ul>	<ul style="list-style-type: none"><li>質量管理</li><li>安全生產</li></ul>	<ul style="list-style-type: none"><li>15</li><li>19</li></ul>
Mutually Beneficial Cooperation, Social Responsibilities	合作共贏·社會責任	24
<ul style="list-style-type: none"><li>Supplier cooperation</li><li>Employee development</li><li>Community service</li></ul>	<ul style="list-style-type: none"><li>供應商合作</li><li>員工發展</li><li>社區服務</li></ul>	<ul style="list-style-type: none"><li>25</li><li>26</li><li>32</li></ul>
About This Report	關於本報告	33
Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index	附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引	34

## Message from the Chairman

### 領導致辭

Environmental protection is the cornerstone of human development. Environmental governance is a long-term effort of social development and it will continue to permeate the entire process of economic development. The environmental protection industry is a key industry supported by the PRC government in the Outline of the 13th Five-Year Plan for the National Economic and Social Development of the People's Republic of China (《中華人民共和國國民經濟和社會發展第十三個五年規劃綱要》) and will become a pillar industry of China's national economy in the future. As the key areas of environmental protection, environment protection work on air, soil and water will usher in rapid development and we believe that the industry still has ample room for growth.

As a leading enterprise in the environmental protection industry, the Group has always upheld the philosophy of "let all people live under the blue sky and white cloud", to reduce environmental pollution, improve human living environment and build a beautiful world. We pursue the professional spirit of excellence, the team spirit of collective development, the service spirit of striving for perfection, and the spirit of endless innovation. As a result of 17 years of efforts, we have become a specialist in solving energy conservation and emission reduction issues in relation to industrial furnaces. Since 2018, we have gradually expanded into other environmental protection fields such as industrial water treatment, solid waste treatment and soil remediation, so as to make contributions in achieving the goal of making skies blue, clouds white, waters clear, and shores green.

In 2018, we strived to assume social responsibilities as a corporate entity, including steadily expanding our business and improving professional management. We continued to build quality projects and provide quality services, making progress on environmental management, such as energy conservation and emission reduction, and developing a green economy. While the Group's business has a broad geographic coverage in China, reaching nearly 30 provinces, municipalities and autonomous regions; it has also executed, or has been implementing, more than ten overseas projects in regions, such as Europe, South Asia, Latin America, Africa and Southeast Asia.

We also focused on talent recruitment and development, and strived to provide a safe and healthy working environment for our staff. We took proactive steps to promote change and encourage innovation within the Group, so as to enhance the internal dynamic of the Group, to ensure that the Group continues to advance with the changing times. We endeavour to build the Group into an intelligent environmental protection housekeeper which combines an one-stop environmental protection solution platform, a professional environmental service operation platform and a multidimensional investment platform of the environmental protection industry.

In the future, the Group will follow national environmental protection policies in the PRC, grasp all business opportunities, promote its development and growth, undertake more social responsibilities, and create greater value for our shareholders, customers, employees, business partners and society, to make a positive contribution to the sound development of the social environment and the construction of an ecological civilization.

環境保護是人類發展的基石，環境治理是社會發展的長期行為，將繼續貫穿經濟發展的整個過程。環保產業是中華人民共和國國民經濟和社會發展第十三個五年規劃綱要裡國家的重點支持產業，未來將成為中國國民經濟的支柱產業。大氣、土壤與水務作為環保工作的重點領域，將迎來快速發展，行業市場規模仍具有巨大增長空間。

本集團作為環保行業的領軍企業，多年來一直秉承「讓所有人生活在藍天白雲之下」之理念，致力於減少環境污染，改善人類居住環境，建設美麗世界。我們憑藉追求卓越的職業精神、共同發展的合作精神、力求完美的服務精神、永無止境的創新精神，通過17年的努力使得我們成為工業爐節能減排問題解決專家。從2018年開始我們逐步向工業水處理、固廢處理、土壤修復等其他環保領域拓展，為早日實現藍天白雲、清水綠岸的目標作出貢獻。

2018年，我們努力承擔企業社會責任層面的責任，包括穩步推進業務發展，持續提高專業化管理水平；繼續打造精品工程，提供優質服務；完善環境管理，堅持節能減排，發展綠色經濟。本集團的項目地理覆蓋範圍廣泛，遍及中國近30個省、市及自治區；本集團於中國境外地區（例如歐洲、南亞、拉丁美洲、非洲及東南亞）亦已進行或正進行逾十個項目。

我們重視人才招募與發展，努力為員工提供安全健康的工作環境。我們積極推進企業變革，鼓勵企業創新，通過創新激發企業內部活力，保持與時俱進。我們努力將集團打造成為集一站式環保方案解決平台、專業化環保服務運營平台、多方位環保產業投資平台為一體的智慧型環保管家。

未來，本集團將響應中國國家環保政策趨勢，把握一切商業機遇，推進自身發展壯大，承擔更多社會責任，為股東、客戶、員工、合作方、社會等創造更高價值，為社會環境的健康發展和生態文明建設做出積極的貢獻。

# Environmental Pioneer, Group Introduction

## 環保先鋒，集團概況

### 1.1 ABOUT THE GROUP

The Group is a leading service provider in the ecological environmental treatment industry in China. It was successfully listed on the Main Board of The Stock Exchange of Hong Kong Limited on March 16, 2018 (stock code: 2377). The Group provides environmental protection and energy-saving solutions with a focus on air pollution control of traditional electricity and non-electricity area. It provides air pollution control services such as flue gas desulfurization, denitrification, dust removal, and comprehensive flue gas treatment to customers. The Group commenced the flue gas treatment business in 2003 and is among the first independent participants in the flue gas treatment industry in China. In 2018, the Group successfully expanded into the flue gas treatment market for non-electricity industries such as steel, petrochemical and electrolytic aluminum, and actively engaged in the business of industrial wastewater treatment. With its extensive experience and professional capabilities in R&D and design, construction and operation, and operation and management, the Group significantly reduced pollutant emissions and effectively improved productivity of our customers, thus making outstanding contributions to improving air quality, environmental protection, green economy, and sustainable development. The Group has committed itself to developing into a world-class comprehensive environmental protection industry group and intelligent environment protection housekeeper service provider, making positive contributions to environmental protection and construction of an ecological civilization in China and the world.

The projects of the Group have a broad geographic coverage, covering almost 30 provinces, municipalities and autonomous regions in China. At the same time, the Group has expanding its business overseas, including Europe, South Asia, Latin America, Africa and Southeast Asia. The following map shows the distribution of the projects of the Group as at 31 December 2018:

### 1.1 關於本集團

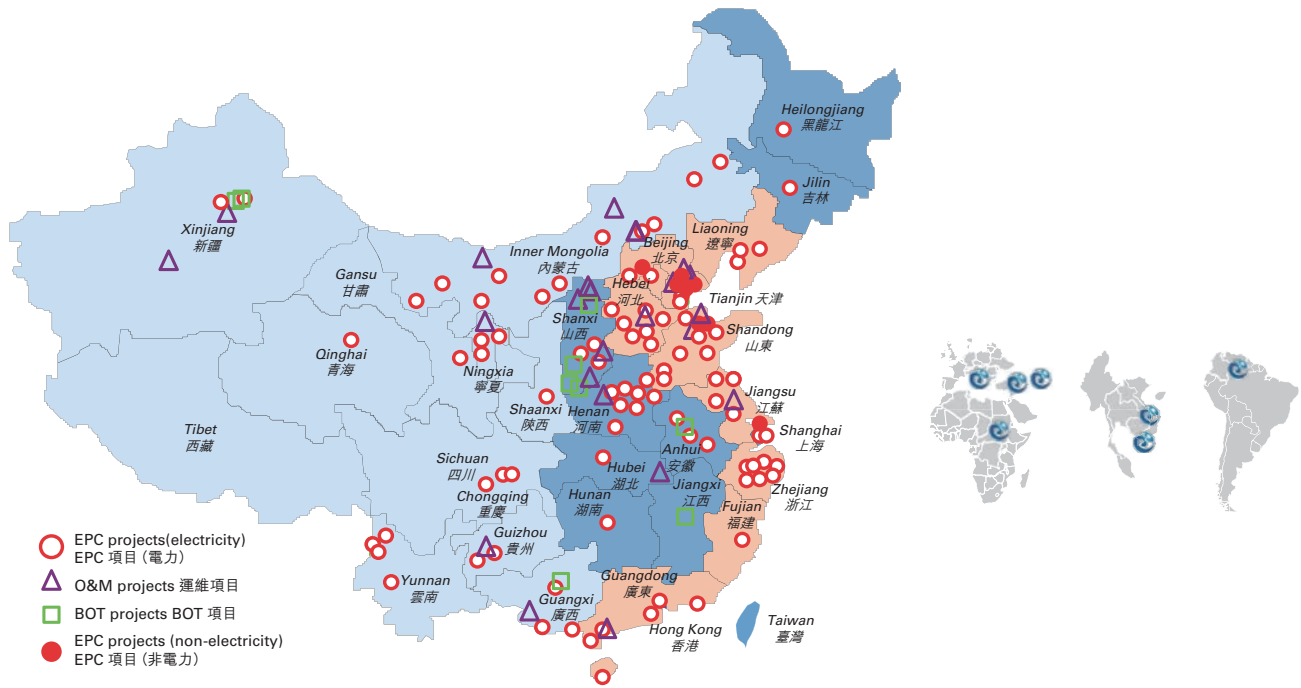
本集團是中國生態環境治理行業的領軍企業，於2018年3月16日成功在香港聯合交易所有限公司主板上市，股票代碼：2377。本集團向客戶提供環保及節能解決方案，主要處理傳統電力及非電領域的大氣污染控制，全面提供煙氣脫硫、脫硝、除塵以及綜合煙氣處理等大氣污染防治服務。本集團於2003年開始經營煙氣處理業務，是中國煙氣處理的首批參與者。2018年，本集團成功擴大鋼鐵、石化、電解鋁等非電行業煙氣治理市場，並積極參與工業污水處理業務。憑藉其研發與設計、建設與運行、經營與管理的豐富經驗及專業能力，大大降低污染物的排放量並有效提高客戶生產效率，為提高空氣質量、環境質量、發展綠色經濟和可持續發展做出了傑出貢獻。本集團致力於打造成為國際一流的綜合性環保產業集團及智慧型環保管家服務提供者，為中國乃至世界的環境保護和生態文明建設做出積極的貢獻。

本集團的項目地理覆蓋範圍廣泛，遍及中國近30個省市及自治區。同時，我們一直努力擴展海外業務包括歐洲、南亞、拉丁美洲、非洲及東南亞業務。下圖列示截至2018年12月31日本集團的項目分佈：



## Environmental Pioneer, Group Introduction

### 環保先鋒，集團概況



The distribution of the projects of the Group within PRC  
本集團的中國境內項目分佈

The distribution of the overseas projects of the Group  
本集團的海外項目分佈

## 1.2 GROUP GOVERNANCE

The shares of the Group were listed on The Stock Exchange of Hong Kong Limited (the “**Stock Exchange**”) on March 16, 2018. The Group has devoted itself to maintaining a high level of corporate governance to protect our shareholders’ equity interests and enhance corporate value and accountability. In the process of business development, the Group has strictly complied with the provisions of Appendix 14 to the Hong Kong Listing Rules (the “**Listing Rules**”) headed Corporate Governance Code (the “**Code**”). By strictly implementing the applicable rules and regulations, the Group has strengthened its internal control and risk prevention and management procedures to improve corporate value and management.

## 1.2 集團治理

本公司股份已於2018年3月16日起於香港聯合交易所有限公司(「**聯交所**」)上市。本公司致力於維持較高水平的企業管治，以保障股東權益以及提升企業價值及問責性。在業務發展過程中，本公司嚴格遵守聯交所證券上市規則(「**上市規則**」)附錄十四所載的企業管治守則(「**企業管治守則**」)條文。通過嚴格執行規章制度，強化內部控制及風險防範與管理，提高企業價值和管理水平。

### 1.3 COMBATING CORRUPTION AND UPHOLDING INTEGRITY

The code of conduct of the Group applies to every employee and aims to ensure that the business of the Group is in compliance with the prevailing laws and regulations. To enhance combating corruption and upholding integrity, and to conduct anti-corruption work in a practical and effective way, the Group strictly abides by relevant national laws and regulations, Listing Rules and fair competition rules. Our employees are required to observe the Professional Code of China Boqi (《中國博奇職業規範》), which covers topics such as anti-corruption, anti-bribery, conflict of interests resolution and data confidentiality and security. In addition, the Group has established a number of internal rules and regulations, namely the Management Regulations for Administrative Penalties of the Company (《公司行政處罰管理規定》), the Internal Control Guidelines, (《內部控制管理制度》), the Internal Audit Guidelines, (《內部審計管理制度》) and Administrative Measures on Anti-Money Laundering (Trial) (《反洗錢工作管理辦法(試行)》).

The Group has also set up an email for whistle-blowing and lodging complaints, available for all employees and the public to report possible wrongful conducts and integrity issues. Privacy of all informers is strictly confidential, so as to ensure no retaliation could be resulted from such reporting. An anti-corruption system is established with a focus on early prevention, monitoring process of corruption incidents, and post-incident evaluation. The Group and the officers from the business and development department (mainly from the procurement department and the bid management department) have entered into an "Officer Professional and Ethics Agreement", which outlines the officer's duties and obligations in the Group. During the Reporting Period, the Group did not receive any complaints of corruption, bribery, extortion, fraud and money laundering against any employees. No concluded legal case regarding corrupt practices was brought against the Company or its employees.

### 1.3 反腐倡廉建設

本集團的行為規範適用於每一個員工，以確保本集團的業務合規經營。為加強反腐倡廉建設，扎實有效的開展反腐倡廉工作，本集團嚴格遵循相關的國家法規法律、上市規則及公平競爭規則。僱員要遵守《中國博奇職業規範》，內容涵蓋反腐敗、反賄賂、利益衝突處理、數據保密與安全等議題。此外，本集團制定了多項內部規章和制度：如《公司行政處罰管理規定》、《內部控制管理制度》、《內部審計管理制度》、《反洗錢工作管理辦法(試行)》等。

本集團還設立舉報及投訴郵箱，以供全體員工及公眾舉報潛在的不道德行為及誠信事宜。所有舉報人員的隱私均會受到嚴格保密，以保證不會由於該舉報引致任何報復。從事前預防、事中監查、事後評估及處理等方面構築反貪污體系。本集團與主要業務部門員工(物資採購部、招標管理部)簽訂了《員工職業操守承諾書》，概括了在集團內工作人員的責任和義務。於報告期內，本集團未曾接收任何有關內部員工涉及腐敗、賄賂、勒索、欺詐及洗黑錢相關的投訴，未發生對公司及員工提出並已審結的貪污訴訟案件。

## 1.4 INNOVATION IN R&D

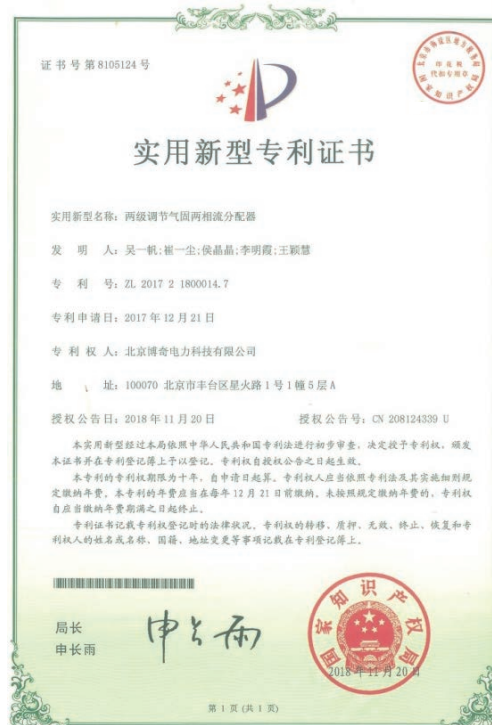
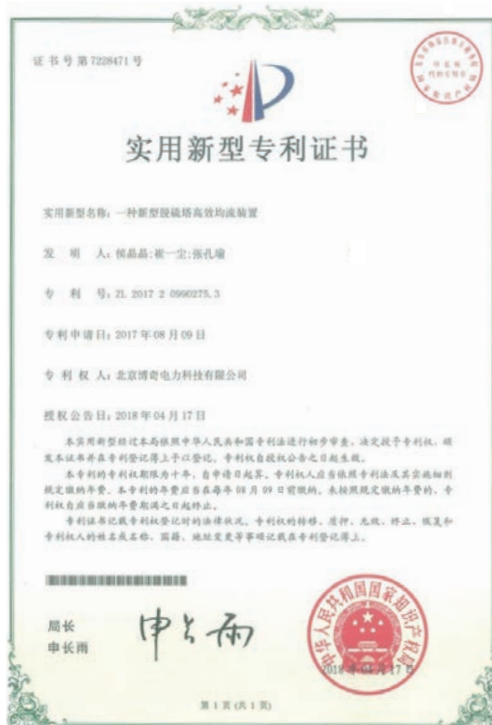
Technological innovation capabilities are the cornerstone of the Group's sustainable development, so the Group has dedicated resources to its scientific research investment. In 2018, the Group has continued to strengthen its technological innovation and strived to improve its capabilities of independent innovation and core competitiveness. We have established two new R&D projects, namely "localization of advanced urea hydrolysis technologies" and "localization of the development of new desulfurization and denitrification technologies", aiming at improving the Group's technical know-hows through continuous R&D and technical improvement.

As of December 31, 2018, the Group owned 51 patents and six software copyrights. It has compiled or participated in the compilation of four national standards and six industrial standards. The Group has paid great attention to the protection of the research results and intellectual property rights of researchers, thus continuously improving the intellectual property system of the Group. The Group has established a Beijing enterprise technology center (北京市企業技術中心), with a Zhongguancun patent pilot unit and a Zhongguancun standard pilot unit. In addition to various national certifications, the Group has newly obtained two patents during the reporting period, demonstrating that the Group has made remarkable progress on the path of independent innovation.

## 1.4 創新研發

技術創新能力是公司可持續發展的基石，因此本集團著力投入資源進行科研，2018年持續加強科技創新，努力提高自主創新能力和核心競爭力。新立項「先進尿素水解技術的國產化」和「新型脫硫脫硝技術開發的國產化」兩個自主研發項目，通過持續研發和技術改進，不斷提高技術水平。

截至2018年12月31日，我們累計擁有51項專利和6項軟件著作權，共主編或參編4項國家標準和6項行業標準。我們十分注重研發人員的研究成果和知識產權的保護，不斷優化和完善企業自主知識產權體系的建設和佈局。集團設立了北京市企業技術中心，中關村專利試點單位，中關村標準試點單位。除了國家認證，於報告期內，本集團新獲得2項專利，在自主創新道路上取得良好的進展。



# Environmental Protection, Sustainable Development

## 環境保護，持續發展





# Environmental Protection, Sustainable Development

## 環境保護，持續發展

### 2.1 ENVIRONMENTAL PROTECTION

The Group is among the first participants and has become an outstanding enterprise in the flue gas treatment industry in China, making tremendous contributions to reducing emissions of sulfur dioxide, NOx and soot into the atmosphere. By the end of 2018, the Company had achieved a cumulative performance of 275 sets of equipment for new and modified desulfurization projects in the PRC and abroad, with a unit capacity of 119.38 million kW. Accumulatively, 240 sets of equipment with a unit capacity of 104.23 million kW had been put into operation for the desulfurization projects, which could reduce approximately 3.7 million tons of sulfur dioxide emissions per year. The denitrification projects had a cumulative performance of 84 sets of equipment with a unit capacity of 25.87 million kW, which could reduce approximately 160,000 tons of NOx emissions annually. For the year ended December 31, 2018, the annual emission reduction by the Group of sulfur dioxide is 3.65 million tons and nitrogen oxides are 0.2 million tons; the Group has historically reduced more than 28.54 million tons of sulfur dioxide emissions and more than 900,000 tons of NOx emissions.

To enhance the reduction results of pollutant emissions, we continue to improve our technical know-hows by undertaking proprietary R&D in each segment of flue gas pollution control, and dedicating to the development of new technologies and products. At the same time, we strive to improve existing technologies, meet the ever-changing market requirements and introduce advanced technology to the environmental treatment industry in China. We have independently developed the “ZFD Flue Gas Pollution Control Technology”, which has unique advantages. Green Island, an integrated flue gas treatment system that consolidates various kinds of flue gas treatment technologies, can achieve a ultra-clean emission standard, specifically, enabling us to achieve the efficiency of SO<sub>2</sub> removal, NOx removal and dust removal emission of 99.8%, 98% and 1mg/m<sup>3</sup>, respectively exceeding the national technology requirements of “ultra-low emission”. It has been successfully applied in our ultra-low emission projects, such as Nanshan Group Yili Power Plant, Shanxi Yuguang BOT Project, Shanghai Petrochemical Thermal Power Cogeneration and Hebei Jinxi Iron and Steel Company. In 2018, the Group's desulfurization, denitrification and dust removal equipments have exceeded the applicable environmental protection targets as required by the PRC government and fully complied with emission standards.

As a participant of environmental protection and a leader in the environmental protection industry, the Group understands that environmental resources are the foundation for human survival and development. We're obliged to develop green economy and promote sustainable development. As the industry where the Group operates is not a major source of environmental pollution, we believe that our operations have little impact on the environment. Moreover, we attach great importance to harmonious coexistence with the environment and cherishing natural resources in our own business activities.

### 2.1 環境保護

本集團是中國煙氣處理行業的首批參與者，是煙氣處理行業市場的佼佼者，為減少大氣中二氧化硫、氮氧化物和煙塵的排放做出巨大貢獻。截至2018年底，公司承接的海內外新建和改造脫硫項目累計合同業績275台套、機組容量11,938萬千瓦；脫硫項目累計投運240台套、機組容量10,423萬千瓦，每年可減少大約370萬噸二氧化硫的排放；脫硝項目累計合同業績84台套、機組容量2,587萬千瓦，年減排大約16萬噸氮氧化物。截至2018年12月31日集團年度減排二氧化硫365萬噸、氮氧化物20萬噸；集團歷來總計減排二氧化硫2,854餘萬噸、氮氧化物90餘萬噸。

為提高污染物減排效果，我們不斷改進工藝技術，自主研發，深入研究煙氣污染控制的各個環節，致力開發新技術及產品，同時提升或改善現有技術、迎合不斷變化的市場要求及引進先進技術至中國。公司自主研發的「ZFD煙氣污染控制技術」具有獨特優勢。整合各類煙氣污染控制技術集成的「環保島」綜合煙氣處理系統達到超低排放標準，可以實現脫除二氧化硫效率達到99.8%，脫除氮氧化物效率達到98%，除塵排放達到1mg/m<sup>3</sup>的超清潔排放標準，均已領先於國家「超低排放」的技術要求。並成功應用於南山集團怡力電廠、山西昱光BOT、上海石化熱電聯產、河北津西鋼鐵等超低排放工程。2018年，本集團脫硫、脫硝、除塵裝置均超額完成環保指標，全面實現達標排放。

作為環境保護的踐行者和環保行業的領軍者，本集團深知環境資源是人類賴以生存與發展的基礎，發展綠色經濟、堅持可持續發展是我們義不容辭的責任。由於本集團經營所在行業並非環境污染的主要源頭，我們相信本集團的營運對環境的影響不大。我們在自身經營活動中十分重視與環境和諧共處，珍惜自然資源的使用。



To continuously improve the Group's competitiveness, We are gradually transforming our role from the coordinated flue gas solution provider to the intelligent environmental protection housekeeper in relation to flue gas, water, soil and solid waste issues. As of December 31, 2018, we have nearly twenty ultra-low emission Green Island projects that are either under construction or already in operation. Projects that undergone our construction have historically won the "China Quality Power Project Award (中國電力優質工程獎)", "National Quality Project Award (國家優質工程獎)", "Luban Prize of Chinese Construction Engineering (中國建設工程魯班獎)" and "National Important Environmental Protection Practical Technology Demonstration Project Award (國家重點環境保護實用技術示範工程獎)". In addition, we have been awarded the honorary title of "National Quality and Trustworthy Enterprise (全國重質量守信用企業)" by relevant supervisory authorities for many times.

## 2.2 REDUCING POLLUTION EMISSION

In strict compliance with the applicable laws and regulations in relation to environment protection in the PRC, the Group has proactively implemented the relevant national measures and policies. The Group closely monitors the wastewater, flue gas and solid waste that might pollute the environment, ensuring compliance with the national emission standard. We also have established precautionary measures and contingency plans for any possible environmental pollution incidents. Through the application of index management in the operation of environmental protection facilities, as well as the introduction of advanced know-hows and equipment in the PRC and abroad, the Group has been able to ensure reasonable use of its resources and prevent environmental pollutions.

We have strictly complied with environmental protection laws and regulations such as "Environmental Protection Law of the People's Republic of China" (《中華人民共和國環境保護法》), "Atmospheric Pollution Prevention and Control Law of the People's Republic of China" (《中華人民共和國大氣污染防治法》) and "Water Pollution Prevention and Control Law of the PRC" (《中華人民共和國水污染防治法》). We have strictly controlled waste discharge and reduced the impact that the Group's activities have on the environment. During the Reporting Period, our production and operation activities have been in compliance with relevant national environmental protection rules and regulations, and we haven't been subject to any major fines or administrative penalties involving non-compliance with any relevant regulations.

為不斷提升公司競爭力，我們正逐步實現由煙氣環保協同方案提供商向集煙氣、水、土壤及固廢等智慧型環保管家業務轉變。截至2018年12月31日，我們已具有約二十個超低排放環保島項目正在或已經投入建設。我們歷來承建的多個工程項目榮獲「中國電力優質工程獎」、「國家優質工程獎」、「中國建設工程魯班獎」、「國家重點環境保護實用技術示範工程獎」，我們多次被評為「全國重質量守信用企業」等榮譽稱號。

## 2.2 減少污染排放

本集團嚴格遵守國家環保相關的法律法規，積極貫徹執行國家環保方針、政策，對可能造成環境影響的廢水、廢氣及固體廢棄物進行嚴格管控，均符合國家排放標準，對可能出現的環保污染事故採取事故預想和應急處置應對措施，對環保設施運行進行指標管理，引進並使用國內外先進生產工藝和設備，保證資源合理利用，防治環境污染。

我們嚴格遵守《中華人民共和國環境保護法》、《中華人民共和國大氣污染防治法》、《中華人民共和國水污染防治法》等環保法規，嚴格控制廢棄物排放，減少集團活動對環境的影響。於報告期內，我們的生產經營活動符合有關環境保護的國家法律法規，並無因未能遵守任何相關法規而遭到任何重大罰款或行政處罰。

To protect the ecology around the site of project, the Group has implemented the Civilized Construction Management System (《文明施工管理制度》) and Safety, Health and Environment Management System (《安全健康與環境管理制度》) for each project department. To minimize the impact of construction at power plants, equipment repair and maintenance, and office activity on the plants and ecology, the Group continued to carry out afforestation and ecological restoration in the plant site, promptly restore the grassland damaged by any construction and repair work, and collect, store and recycle the production waste and domestic waste produced in the construction process accordingly.

The main hazardous wastes generated by the Group in its production and operations are used toner cartridges, ink cartridges and electronic products. We have formulated the Measures for Waste Disposal Control, which requires all hazardous wastes to be managed by classification, the used toner cartridges to be recycled for reuse by the sales department and the waste electronic products or the waste toner cartridges that cannot be recycled to be disposed of by professional company. In order to reduce hazardous waste, we launched an online office system in 2018 such that most of our administrative work are done online which greatly reduces printer usage. The amount of hazardous waste has decreased by approximately 28% as compared to that of 2017.

Commercial waste constitutes the main type of non-hazardous waste of the Group. The small amount of non-hazardous waste is not significant to the Group's operations. However, the Group has further strengthened the management of non-hazardous waste through reusing the single-sided printing paper and collecting of waste paper by the property management company for recycling.

為了保護項目所在地周邊生態環境，我們對各項目部制定了《文明施工管理制度》、《安全健康與環境管理制度》，盡可能減少在電廠施工、設備檢修維護及辦公活動過程中對當地植物和生態環境的影響，並持續對廠區內進行綠化及生態環境建設，對施工和檢修作業等破壞的草場，立即進行修復，對於施工過程中產生的生產、生活廢棄物進行分類收集、存放和回收。

本集團在生產運營中產生的主要有害廢棄物為廢硒鼓、墨盒、電子產品。我們制定《廢棄物管理控制辦法》，要求所有有害廢棄物分類管理，廢舊硒鼓交由銷售部門回收再利用，廢舊電子產品或無法回收的廢硒鼓交由專業處置公司統一處理。為了減少有害廢棄物的產生，我們於2018年特別推出在綫辦公系統，決大部分辦公流程均在系統中進行，大大減少了打印機的使用。較17年有害廢棄物的產生數量減少了約28%。

構成本集團無害廢棄物的主要類型為商業廢棄物，無害廢棄物的數量微小，對本集團的營運影響並不重大。本集團依然進一步加強無害廢棄物的管理，對單面打印的紙張回收利用，對廢舊紙張交由物業公司統一回收處置。

• Major emissions

• 主要排放物

Emission Category 排放物類別	Unit 單位	For the year ended December 31, 2018 2018年度
<b>Flue gas</b> 廢氣		
Sulfur dioxide 二氧化硫	Tonne 噸	14
NOx 氮氧化物	Tonne 噸	0.8
Up to standard sulphur dioxide emission under franchise <sup>1</sup> 特許經營下達標排放二氧化硫 <sup>1</sup>	Tonne 噸	2,521
Up to standard NOx emission under franchise 特許經營下達標排放氮氧化物	Tonne 噸	1,764
<b>Greenhouse gas</b> 溫室氣體		
CO <sub>2</sub> (or equivalent) 二氧化碳(或二氧化碳等效物)	Tonne 噸	854,569
CO <sub>2</sub> (or equivalent) emission intensity 二氧化碳(或二氧化碳等效物)排放密度	Tonne/ten thousand of revenue 噸/萬元營收	4.9
<b>Hazardous waste</b> 有害廢棄物		
Toner cartridge and ink cartridge 硒鼓墨盒	Tonne 噸	0.119
Toner cartridge and ink cartridge density 硒鼓墨盒產生密度	Kg/ten thousand of revenue 千克/萬元營收	0.00068

Note:

- Up to standard emission under franchise refers to the up to standard emission volume of emission of our customer that has been processed by our desulfurization and denitrification system.

註：

- 特許經營下達標排放物指本集團客戶產生的排放物經本集團脫硫脫硝系統處理後的達標排放量。

## 2.3 CONSERVATION OF ENERGY

The Group advocates energy conservation and green economy, actively responds to the call of the PRC government to build a resource-saving society, and ensures the Group's profits growth are in line with energy conservation and environmental protection. We strictly complied with the "Environmental Protection Law of the People's Republic of China" (《中華人民共和國環境保護法》), "Law of the People's Republic of China on Conserving Energy" (《中華人民共和國節約能源法》), "Renewable Energy Law of the People's Republic of China" (《中華人民共和國可再生能源法》) and other laws and regulations on energy use. We reinforced scientific management and scientific utilization on energy, and enhanced energy efficiency for the Group's operation as a resource-saving and technological corporation.

## 2.3 節約能源

本集團提倡節約能源、發展綠色經濟，積極響應國家建設節約型社會的號召，堅持集團利益與節能環保協同發展。我們嚴格遵守《中華人民共和國環境保護法》、《中華人民共和國節約能源法》、《中華人民共和國可再生能源法》等有關能源使用的法律法規，我們集團加強能源的科學管理、科學利用，提高能源利用率，使集團發展成為節約型、科技型企業。

To ensure the scientific and efficient use of energy, the Group installs a remote monitoring system in each O&M department to monitor the energy consumption of the O&M projects. Each project department keeps a detailed record of energy usage for each month and analyzes the energy usage for rational improvement and waste reduction; and the Group has paid particular attention to energy-saving technological transformation for high-energy-consuming equipment, so as to reduce energy usage.

The main water consumption of the Group and its subsidiaries include production water use such as process water use, industrial water use, water use for cleaning equipment, and domestic water use. There was no significant risk of water shortage in sourcing water. The Group formulates reuse plan for production waste water tailored for each project, so as to reduce wastewater discharge while maximizing water resource utilization.

We believe that energy conservation starts from small details, and cultivate the awareness of energy saving for our employees. It is recommended to turn off the lights, air conditioners, computers and other electronic devices promptly during non-working hours; to set the temperature of air conditioners to not less than 26 degrees Celsius; to display signs of "saving water"; to strictly manage the Group's vehicle scheduling and use; and to advocate "green travel" to reduce gasoline consumption. In addition, the Group uses an online office system to promote paperless administration and requires printing on both sides of printing papers.

為了保證科學高效地利用能源，本集團在各運維項目部設有遠程監控系統，對運維項目進行能耗監控；各項目部每月詳細記錄能源的使用量，並分析能耗使用情況進行合理改善，減少資源浪費；對高耗能設備進行節能技術改造，降低能源使用量。

本集團及各附屬公司主要耗水量產生在工藝、工業及清洗設備等生產用水及日常生活用水方面，在求取水資源方面尚未發現水資源短缺的重大風險。本集團制定生產廢水回收利用計劃，對各項目部設計適用的廢水回收利用方案，減少廢水排放，提高水資源利用率。

我們倡導節約能源從小事做起，培養員工節約能源意識。非工作時間及時關閉照明、空調、電腦等設備電源，夏季空調溫度設置不低於26攝氏度；在生活用水水源處張貼「節約用水標識」；嚴格管理集團車輛調度和使用，提倡「綠色出行」，減少汽油消耗；並且本集團使用在線辦公系統，推行無紙化辦公，要求打印紙雙面使用。

• Energy use

• 能源使用情況

Item	Unit	For the year ended December 31, 2018
項目	單位	2018年度
Water consumption in offices 辦公室耗水量	Tonne 噸	26,955
Water consumption for projects operations 項目運行耗水量	Tonne 噸	13,201,859
Water consumption in total 耗水總量	Tonne 噸	13,228,814
Water consumption density 耗水量密度	Tonne/ten thousand of revenue 噸／萬元營收	76
Power consumption in offices 辦公室耗電量	kWh 千瓦時	783,536
Power consumption for projects operations 項目運行耗電量	kWh 千瓦時	1,087,588,600
Power consumption in total 耗電總量	kWh 千瓦時	1,088,372,136
Power consumption density 耗電量密度	kWh/ten thousand of revenue 千瓦時／萬元營收	6,237
Gasoline consumption 汽油消耗量	Tonne 噸	339
Gasoline consumption density 汽油消耗密度	Kg/ten thousand of revenue 千克／萬元營收	1.94
Diesel 柴油	Tonne 噸	26
Diesel consumption density 柴油消耗密度	Kg/ten thousand of revenue 千克／萬元營收	0.15



**Quality Service and  
Safe Production**

**優質服務，安全生產**



# Quality Service and Safe Production

## 優質服務，安全生產

### 3.1 QUALITY MANAGEMENT

The Group's major customers are primarily in coal power generation, petrochemical and steel industries. We are committed to provide quality projects and quality services for our customers with the principle of "Long-term Plan, Quality First". We uphold the guiding philosophy of "full commitment in prevention", and have improved our competitiveness in the industry through continuous innovation and technological advancement. We have strictly complied with national laws, regulations in relation to energy conservation and emissions reduction and quality standards, including but not limited to the *Product Quality Law of the People's Republic of China* (《中華人民共和國產品質量法》), the *Atmospheric Pollution Prevention and Control Law of the People's Republic of China* (《中華人民共和國大氣污染防治法》) and the *Environmental Protection Law of the People's Republic of China* (《中華人民共和國環境保護法》), we have strictly implemented the following quality management procedures in accordance with industry standards:

#### Setting quality management goals:

1. 100% acceptance rate of sourced equipment materials;
2. 100% one-time inspection and acceptance rate of projects;
3. No material quality accident in relation to engineering, operation and maintenance;
4. Functional index meeting the contract requirements;
5. Customers' satisfaction rate over 95%;
6. Synchronization of project technical information and project entity;
7. No safety and quality accident caused by design error.

#### Improving the Company's quality management system

The Group has obtained ISO9001 Quality Management System Certification in 2003. In order to ensure the realization of the Group's quality goals, the Group has established and improved its quality management and assurance system in accordance with the requirements of the GB/T28001-ISO9001 quality assurance system, which further promote and standardize our quality control efforts, while improving the quality of our products and ensuring that the overall project quality meets national and industry standards and design requirements. The quality assurance system demonstrates the Group's commitment to our customers, which ensures that the safety performance of products and service quality meet customer requirements.

### 3.1 質量管理

本集團主要客戶涉及煤電、石化、鋼鐵等行業，我們堅持「百年大計、質量第一」的理念，竭誠為客戶提供優質工程和優質服務。我們以「全員參與，預防為主」為主導思想，通過不斷創新和技術升級，提高行業競爭力。我們嚴格遵守國家節能減排有關法律、法規及質量標準，包括但不限於《中華人民共和國產品質量法》、《中華人民共和國大氣污染防治法》、《中華人民共和國環境保護法》，並根據行業標準嚴格執行如下質量管理工作：

#### 設立質量管理目標：

- 1、設備材料進場合格率100%；
- 2、工程一次交付驗收合格率100%；
- 3、工程施工和運營維護重大質量事故為零；
- 4、性能指標滿足合同要求；
- 5、顧客滿意度大於95%；
- 6、工程技術資料與工程實體同步；
- 7、因設計原因導致的安全質量事故為零。

#### 完善公司質量管理體系

本集團已於2003年獲得ISO9001質量管理體系認證，為確保集團質量目標的實現，按照GB/T28001—ISO9001質量保證體系要求，本集團建立並完善了本集團質量管理和保證體系，進一步推動、規範我們質量管理工作，同時也促使本集團產品質量進一步提升，確保整體工程質量達到國家及行業質量驗收標準和設計要求。質量保證體系是本集團對顧客的承諾，確保產品的安全性能和服務質量滿足顧客要求。

#### Establishing and improving the Company's quality management system

Upholding the principle of "surviving by quality, developing by reputation, and benefiting by management", the Group attaches great importance to the quality assurance. It has established a three-level quality supervision and management system in compliance with national laws and regulations and industry standards, and delegated the specific job responsibilities to personnel at all levels, with project managers as the first responsible person for project quality. The relevant officers are responsible for the quality throughout the implementation of projects.

The Group has enhanced the Project Quality Control Guidelines (《工程質量管理制度》), System of Quality Inspection and Acceptance (《工程質量檢查驗收制度》) and the Award and Penalty policy for the Quality of Projects (《工程質量獎懲制度》) in accordance with national, industrial and local standards. Having considered the common issues from the inspection, it has revised and updated the Quality Control System (《質量管理制度》), the Quality Accident Investigation and Handling System (《質量事故調查處理制度》) and the Regulations on Quality Control of Desulfurization and Anticorrosion, Demister and Spray Pipe Installation (《脫硫防腐、除霧器及噴淋管安裝質量管制規定》) in a timely manner according to the latest national and industry standards. These systems and guidelines have been applied throughout all the phases of construction, which have resulted in consistent improvement in the quality of the Group's projects.

#### Conducting training on construction technology and quality

In order to improve the quality management of project management personnel and the professional skills of construction personnel, and ensure the construction quality, the Group has conducted comprehensive and sufficient training on quality management and construction technology for project management personnel and construction personnel, including training on project construction scope, process design and construction method; construction quality standard; specialized construction technology; construction quality inspection and acceptance quality standards; and common construction quality problems and preventive methods.

#### 建立健全公司質量管理制度

本集團遵循「以質量求生存、以信譽求發展、以管理求效益」的原則，極其重視產品和服務質量，根據國家法律法規和行業標準建立了三級質量監督管理體系，並分解落實各級人員崗位責任，以項目經理為工程質量第一責任人，推行工程質量終身制。

根據國家、行業及地方有關規範、標準等，完善了《工程質量管理制度》、《工程質量檢查驗收制度》、《工程質量獎懲制度》等，根據國家和行業最新標準，結合監檢中發現的共性問題，及時對《質量管理制度》、《質量事故調查處理制度》、《脫硫防腐、除霧器及噴淋管安裝質量管理規定》等進行修改更新完善，結合施工前、施工中、施工後等不同階段的管理，不斷提高產品質量。

#### 開展施工工藝和質量培訓

為提高集團及項目管理人員質量管理水平和施工人員專業技能，保證工程施工質量，本集團對項目管理人員及施工人員進行了全面及充分的質量管理和施工工藝培訓，內容包括項目施工範圍、工藝設計及施工方法；施工質量標準；專業施工技術工藝；施工質量檢查及驗收質量標準；施工中易出現的質量問題及避免方法。

### Strict quality inspection and acceptance

In strict compliance with various quality management systems, the Group fully performs management duties to improve the quality of every construction project. In 2018, there was no quality incident, and there were no serious customer complaint that would affect the safe production of users. In the delivered projects, there were no abnormal shutdowns or abnormal operation due to quality reasons, and the percentage of projects to be recovered for safety or health reasons is 0.

In 2018, the Group carried out spring and autumn construction quality supervision and inspection activities for all projects. Through strict and comprehensive inspection of the entire construction process, it discovered quality issues and supervised the rectification and, effectively eliminated quality hazards and ensured the quality of construction projects.

The Group attaches great importance to project quality management and strictly controls the project acceptance procedures. It requires quality management personnel at all levels to earnestly perform quality management duties. Quality control personnel are required to control the construction quality, conduct self-inspection in a timely manner, detect and correct any construction quality issue as early as possible, and apply for inspection and acceptance only after confirming that there is no quality issue. Professional quality engineers are required to carry out quality inspection and acceptance in strict compliance with specifications and acceptance standards specified in agreements. The acceptance inspection shall be comprehensive and prudent, and the quality problems detected must be handled in a standardized manner and re-inspected for acceptance until the construction quality reaches the standards.

Our main business is to provide overall environment protection solutions as well as construction and implementation service, which does not use any packaging material during the operation.

### 嚴格質量監檢及驗收

本集團各項目嚴格遵守各項質量管理制度，全面履行管理職責，提高施工工程質量。2018年度未發生質量事件，未發生性質嚴重、影響用戶安全生產的客戶投訴。已交付的項目中，未發生因質量原因造成的不正常停機或不正常運行現象，因安全或健康原因而須收回的百分比為0。

2018年集團各項目開展春季、秋季施工質量監督檢查活動，通過對整個施工過程進行嚴格全面檢查，及時發現並監督整改質量缺陷，有效排除質量隱患，確保施工工程質量。

本集團極其重視工程質量管理且嚴格把控工程驗收程序。要求各級質量管理人員切實履行質量管理職責，質檢人員把握施工質量控制，及時進行自檢自查，及早發現並糾正施工質量問題，確認無質量問題後才能進行報檢驗收；專業質量工程師嚴格按照施工合同、規程規範和驗收標準進行質量檢查和驗收，驗收檢查全面仔細，檢查出的質量問題必須規範處理並複檢驗收，直至施工質量全部達到標準要求。

本集團的主要業務為提供整體環保方案及建設實施的服務，其營運不涉及包裝物的使用。





## Quality Service and Safe Production

### 優質服務，安全生產

#### Ad-hoc customer visit and complaint mechanism

The Group has regular and ad-hoc visit systems for our customers. Meantime, the Group has also solicited feedback and information on customers' needs through surveys every year, to access the level of satisfaction of our customers and other stakeholders on its quality of service rendered and improve its project quality and customer services by rectifying any unsatisfactory performance. We have always maintained a good relationship with our customers, and customers' satisfaction has continuously improved.

The Group has established two levels of complaint mechanisms for its headquarters and branches. For on-site feedbacks, customers can file complaints to relevant management departments of the Group by mail, telephone or fax. All customer complaints will be handled by dedicated officers who are responsible for follow-up. Based on the severity of the complaints, they will be reported to the management departments of project companies, the head of management department of the group and the Group's senior management, who will follow up the entire handling process until the customers are satisfied.

We provide services of environmental protection projects, involving no advertising or labeling during the operation.

#### 設立客戶回訪及投訴機制

本集團建立了定期、不定期的客戶回訪制度，並於每年開展客戶滿意度調查問卷工作，收集客戶需求信息和建議，評定客戶及相關方對我們質量和服務狀況的滿意度等級，及時改進不滿意因素，提高我們自身的工程質量及客戶服務水平。長期以來，我們一直與客戶保持良好的關係，客戶滿意度持續提升。

本集團已建立總部和分部兩級投訴機制，客戶可通過現場反饋，隨時向集團相關管理部門以郵件、電話或傳真等方式進行投訴。各類客戶投訴均由專人負責處理，並負責緊密跟蹤。本集團會根據投訴問題的嚴重程度反饋給項目公司管理部門、集團管理部門負責人和基體領導，全程跟蹤問題反饋處理進度，直至客戶滿意。

我們提供環保工程服務，營運過程中不涉及廣告、標籤的相關事項。





## 3.2 SAFE PRODUCTION

### Safety concept

The Group upholds the safety management policy of “*people-oriented, safety and prevention first, comprehensive governance*”, strictly complies with the requirements of national laws and regulations on safety, fully implements the safe production liability system of all employees, and persists in the safety management concept of “*zero deaths, zero injuries and zero accidents*”. The Group has continuously strengthened the safety red line awareness of all employees, set up a well-established, standardized, efficient and evolving safety management mode, and actively carried out various safety trainings and safety activities. It has conducted in-depth investigation and rectification of latent dangers, and promoted the safety culture of the Group, so as to ensure the continuous, stable and healthy development of the Group’s safety situation.

### Annual goals

In 2018, the Group established and achieved the following safety goals:

1. No substantial casualty, equipment accident, traffic accident and fire accident;
2. No substantial environmental contamination accident;
3. No substantial occupational hazard accident;
4. No serious electrical malfunction accident;
5. Prevention of unplanned suspension of mainframe systems caused by our human error;
6. No serious safety, casualty, environmental pollution, occupational hazard and fire accident as considered by national law enforcement agencies;
7. No accident with an one-off economic loss exceeding RMB1 million;
8. Prevention of serious quality incidents; and
9. Synchronization of project technical information and project entity without affecting project delivery.

## 3.2 安全生產

### 安全理念

本集團始終秉承「以人為本、安全第一、預防為主、綜合治理」的安全管理方針，嚴格遵守國家安全相關法律法規要求，在集團範圍內全面貫徹落實全員安全生產責任制，堅持「零死亡、零傷害、零事故」的安全管理理念。本集團不斷強化全體員工的安全紅線意識，建立體制完善、制度規範、運作高效、持續改進的安全管理模式，積極開展各類安全培訓、安全活動，深入開展隱患排查及整改，推進集團安全文化建設，以確保集團安全形勢持續、穩定、健康發展。

### 年度目標

於2018年，本集團設定並實現以下安全目標：

- 1、重大人身傷亡、設備事故、交通事故、火災事故為零；
- 2、重大環境污染事故為零；
- 3、重大職業危害事故為零；
- 4、電氣惡性誤操作事故為零；
- 5、杜絕因我方人為責任引起的主機非計劃停運；
- 6、不發生國家執法機關認定的重大的安全、人身傷亡、環境污染、職業危害、火災事故；
- 7、不發生經濟損失單項超過100萬元以上的事故；
- 8、杜絕重大質量事件；
- 9、工程技術資料與工程實體同步，不影響工程交付。

#### Safety training

In 2018, the Group continued to provide various safety training to further improve the professional skills for safety management personnel of each project department and strengthen the on-site management, communication and coordination and emergency response capabilities of safety management personnel. The Group implemented measures in compliance with the national laws and regulations on safe production, and various safety production management systems of the Group. The safety training plan for the year was formulated to provide training on safety regulations and safety systems of the Company for all employees working on our projects.

In 2018, the Group won the bids for new projects such as 265m<sup>2</sup> Ultra-clean Emission Project for Flue Gas from Sintering Machines for Hebei Jinxi Iron and Steel Company Limited, Jinxi Wantong 1#, 2#, 3# Sintering Machines Flue-gas Ultra-low Emission Project, Chuanwei Denitrification, Desulfurization and Dust Removal Ultra Low Emissions Reconstruction Project, Weiqiao Group Aluminium Power One, Two, Three, Four, Five, Yangxin and Beihai Electrolytic Aluminum Flue Gas Desulfurization Project successively. In order to meet the specific requirements of each project, special safety training was conducted for project managers and site managers of each engineering, procurement and construction (“EPC”) project. During the training, safety rules were explained based on the job responsibilities, legal provisions and the actual situation on site, effectively enhancing the safety and quality management awareness of managers at all levels. The requirements of national safety production documents were proactively implemented to ensure the safe completion and smooth transfer of projects. For the year ended December 31, 2018, 85 safety and quality education training sessions were provided to the EPC project construction personnel and frontline employees of the operation and maintenance project department, benefiting approximately over 1600 employees.

#### 安全活動

2018年，本集團持續開展各類安全活動，進一步提高各項目部安全管理人員的專業技能，強化安全管理人員的現場管理、溝通協調及應急應變能力，貫徹執行國家有關安全生產的法律法規，落實集團各項安全生產管理制度。特制訂年度安全培訓計劃，對項目全體員工進行安全法規學習、公司安全制度培訓。

2018年本集團先後中標河北津西鋼鐵集團股份有限公司265 m<sup>2</sup>燒結機煙氣超淨排放項目，津西萬通1#、2#、3#燒結機煙氣超低排放項目，川維脫硝、脫硫及除塵超低排放改造項目，魏橋集團鋁電一、二、三、四、五、陽信，北海公司電解鋁煙氣脫硫項目等新項目，針對各項目具體要求，對各EPC工程項目經理、現場經理進行專項安全培訓學習。培訓根據崗位職責、法律條款結合現場實際情況進行安全規則講解，有效增強了各級管理人員的安全質量管理意識，積極落實國家有關安全生產文件的要求，確保工程安全完工，順利移交投產。2018年對EPC工程施工人員和運維項目部一綫員工開展安全質量教育培訓85次，總培訓人數約計1,600餘人。



The Group has formulated a comprehensive emergency preparation and contingency plan for safety accidents, adhered to the policy of "prevention-focused and saving lives first", followed the principle of "quick and effective disposal, prevention of accident expansion" and adopted the action method of "unified command, hierarchical responsibility, calmness and orderliness, solidarity and cooperation". In 2018, drill practices were regularly carried out in each project department, and the scenarios included fires and various hazards, work accidents, and natural disasters emergency response, so as to improve the emergency response capability of our employees.

本集團制定了完善的應急準備和安全事故應急預案，堅持「預防為主、救人第一」的方針，遵循「快速有效處置、防止事故擴大」的原則，採取「統一指揮、分級負責、冷靜有序、團結協作」的行動方法。並於2018年在各項目部定期開展各種演練活動，包括火災及各種險情、工傷事故突發事件、自然災害應急處理等，以提高全體員工的應急應變能力。





## Quality Service and Safe Production

### 優質服務，安全生產

In addition, during the Reporting Period, the Group has successively released the revised Administrative Measures for Allocation of Full-time Safety Management Personnel for Projects (《項目專職安全管理人員配置管理辦法》), Management System for Anti-corruption Supervision of Operation and Maintenance Projects (《運維項目防腐監檢管理制度》), Management Manual for Safety and Quality Management Department (《安全質量管理部管理手冊》), Departmental Safety Production Responsibility System and Job Safety Responsibilities (《部門安全生產責任制及崗位安全職責》) and other safety management systems, so as to strengthen safety and quality management, standardize safe operation procedures, improve employees' safety awareness, prevent accident risks, and ensure the smooth and safe execution of various projects. The Group has internally formulated a structured training session for safety supervision personnel and meanwhile, they are encouraged to engage in external professional training sessions and acquire relevant professional qualification certificates.

此外，本集團在報告期內陸續發佈修訂版《項目專職安全管理人員配置管理辦法》、《運維項目防腐監檢管理制度》、《安全質量管理部管理手冊》、《部門安全生產責任制及崗位安全職責》等安全管理制度，以加強安全質量管理、規範安全操作流程、提高員工安全意識、防範事故風險、保障各項目順利安全進展。本集團在內部為安監人員制訂安排了體系化的培訓課程，同時也鼓勵他們積極參加外部專業培訓課程並取得相應的職業資格證書。



### Safety hazard detection

In order to ensure consistent safe operation and keep safe operation “controllable and under control”, the Group has established a quarterly safety and quality inspection mechanism and carried out the “Spring Safety Inspection” and “Autumn Safety Inspection” activities in a regular basis with a strict rating standard. After inspection, the Group supervised unqualified departments to rectify and eliminate any safety and quality issues promptly such that a stable safety and quality system of the Group is guaranteed. In 2018, a total of 704 safety hazards were detected, and their rectifications were completed, achieving a rectification rate of 100%.

### Occupational health

The Group always gives great emphasis to the health of its employees and a comfortable and safe working environment, and strictly complies with relevant safety laws and regulations regarding the provision of a safe working environment and the protection of our employees from occupational hazards. It has carried out occupational health publicity campaigns and training to improve the occupational health awareness of the management and employees, established the occupational health supervision system, and improved the working environment to protect our employees' health. During the Reporting Period, the Group did not have any major accident, nor did it receive any penalty for any serious violation of the occupational health and safety laws and regulations in China.

The Group provides regular medical examinations for all employees to detect any occupational disease in a timely manner and to ensure the occupational health of employees. To improve the work environment, each project department strictly monitors the working areas with noise, dust, toxic and harmful gases based on the actual circumstance on site and immediately carries out rectification protocols in case of any concentration exceeding the standard to ensure compliance with occupational health and safety requirements. To effectively protect the employees' occupational safety and health, each project department organizes occupational health inspection, improves occupational health surveillance records and the distribution and management system of labor protection products, strictly controls the quality of labor protection products, and guides and urges employees to wear and use the labor protection products as required.

In 2018, the Group did not have any work-related fatality, nor did it lose any work days due to any severe work injury.

### 安全隱患排查

為了確保安全生產態勢保持穩定，安全生產持續保持「可控、在控」狀態，本集團還建立了季度安全質量檢查機制，定期開展「春季安全大檢查」及「秋季安全大檢查」活動，制定嚴格的評分標準，督促責任單位按時完成問題整改，以消除日常安全質量隱患，確保集團質量安全體系的完善與穩定。2018年，共檢查各類安全隱患704項，整改完成704項，隱患整改率100%。

### 職業健康

本集團一直高度重視員工的健康及舒適安全的工作環境，嚴格遵守有關提供安全工作環境及保障員工避免職業性危害的相關安全法律法規。開展職業健康宣講和培訓工作，提高管理層和員工職業健康意識，建立健全職業健康監護制度，改善工作環境，保障員工健康工作權益。於報告期內，本集團並未發生任何重大事故的個案，亦未曾發生任何有關嚴重違反中國職業健康安全相關法律法規而遭受處罰的情況。

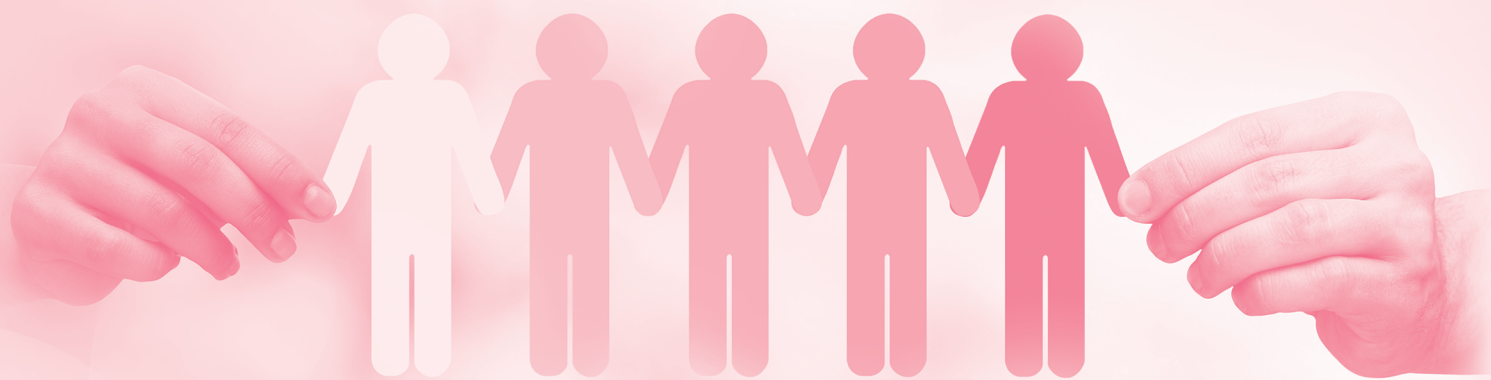
本集團為全體員工定期開展體檢工作，及時發現並預防職業病，確保員工職業健康。各項目部根據實際情況嚴格治理噪聲、粉塵、有毒有害氣體工作區域，改善作業場所環境；堅持對職業危害因素進行日常監測和定期檢測，濃度超標立即整改，確保符合職業健康安全的要求；組織職業健康檢查，完善職業健康監護檔案；完善勞動防護用品發放及管理制，嚴格把控勞動保護用品的質量，並指導、督促員工按要求穿戴和正確使用。切實保障員工職業安全健康。

2018年，本集團未發生因公死亡個案，也未發生因重大工傷而損失工作日數。



# Mutually Beneficial Cooperation, Social Responsibilities

合作共贏，社會責任



# Mutually Beneficial Cooperation, Social Responsibilities

## 合作共贏，社會責任

### 4.1 SUPPLIER COOPERATION

For the year ended December 31, 2018, the Group placed great importance in mutually beneficial cooperation with our suppliers, so as to achieve shared development. The selection of quality suppliers and the establishment of a healthy supply chain are important safeguards for building quality projects. The business suppliers of the Group are divided into three categories, namely (i) manufacturers, agents and distributors of equipment and materials, (ii) construction contractors, and (iii) integrated suppliers such as lawyers, financial advisers and accountants.

In 2018, we established the “Qualified Supplier Management Department” dedicated to serve as a supplier management function, which include identification of supplier needs, sourcing, evaluation, approval and complaint-handling.

Our supplier selection process is divided into five parts, namely (i) recognizing the need for supplier selection, (ii) identifying key sourcing requirements and determining sourcing strategy, (iii) identifying potential suppliers and shortlisting suppliers from the selection pool, (iv) evaluating potential suppliers, and (v) making final supplier selection.

The six supplier sourcing process includes supplier recommendation (based on internal recommendation, supplier self-recommendation, exhibitions, and professional magazines), prevet approval process, basic information and qualification evaluation (involving multiple departments), technical communication and corporate review before approval is granted. Through a series of evaluation and screening, potential suppliers will be shortlisted and those who are evaluated as excellent will be included in the Company’s qualified supplier list.

### 4.1 供應商合作

在2018年，本集團非常重視與我們供應商的合作共贏與共同發展，遴選優質的供應商及建立健康的供應鏈是打造優質工程的重要保障。本集團的業務供應商分為三類：(i)設備材料生產商、代理商及經銷商；(ii)施工承包商；(iii)律師、財務顧問及會計師等綜合辦公類供應商。

我們於2018年特成立「合格供應商管理部」發揮供應商管理職能，負責確定供應商的需求、尋源、評估、審批及處理投訴。

我們的供應商遴選程序分為五個部分，即(i)了解供應商遴選的必要性，(ii)確定關鍵尋源要求並確定尋源策略，(iii)確定潛在供應商並從選擇池中初步選出供應商，(iv)評估潛在供應商，以及(v)最終遴選供應商。

供應商的尋源流程包括：供應商推薦（基於公司內部推薦、供應商自薦、展會、和專業雜誌會刊等渠道尋源）、預設准入流程、基本情況及資質評分（多部門參與）、技術交流、企業評審、准入審批共六個階段。通過一系列的評估篩選，將初步選出潛在供應商，綜合表現優秀的供應商將進入到公司合格供應商名錄。

## Mutually Beneficial Cooperation, Social Responsibilities

### 合作共贏，社會責任

The criteria for supplier evaluation to review whether suppliers have any legal safety issues, include:

- (1) qualification evaluation and verification, safety-health-environmental protection qualification, safety production license, quality management system certification, past business performance, market position and financial position;
- (2) technical communication, to review whether suppliers' skills, technologies and know-hows meet the Group's business needs, and
- (3) on-site business visit, to fully understand their operating conditions, personnel composition, production equipment and production capacity.

The supplier evaluation mechanism is separated into 2 kinds, daily evaluation and year-end evaluation. All departments of the Group jointly conduct a comprehensive evaluation of the suppliers, in order to ensure that the services provided by those on the qualified supplier list are satisfactory.

With regard to supplier rejection, the suppliers whose services are regarded as unsatisfactory will be removed from our supplier list based on daily evaluation and year-end evaluation, or any feedback from relevant departments. For any rejected suppliers, we have two treatment methods: For unqualified suppliers, after their services are improved and meet our evaluation criteria, they can be included in the qualified supplier list again; and for blacklisted suppliers, we will lease any business relations with them.

We will further strengthen the management of social responsibility of suppliers and meanwhile attach great importance to pollutant emissions issues, emission reduction measures, safe production, and the employment of child labor of suppliers.

## 4.2 EMPLOYEE DEVELOPMENT

We believe that our employees are the driving force in maintaining our market position and achieving satisfactory performance results. As our employees are the most valuable asset and considered crucial to our sustainable corporate development, we strive to provide favorable conditions for their career development health.

評審供應商是否存在任何法律安全問題的供應商評估標準包括：

- (1) 資質評審及核查、安健環資質、安全生產許可證、質量管理體系認證證書、以往經營業績、市場地位、財務狀況等；
- (2) 技術溝通，評審供應商的技能、技術和專門知識是否滿足集團業務需求；及
- (3) 實地商務考察，充分了解供應商的經營狀況、人員構成情況、生產裝備、生產能力等。

供應商評估機制分為日常評估和年終評估兩種，由集團各部門共同對供應商進行全方位考評，保證合格供應商名錄上的供應商提供的服務令人滿意。

關於供應商的准出，將依照日常評估和年終評估的結果或者公司相關部門的反饋，表現不符合公司當下要求的供應商將會被剔除出供應商名單。對於准出的供應商，我們有兩種處理方式：其一是不合格供應商，服務提高至符合我們的評估標準後，還可重新進入合格供應商名錄；其二是黑名單供應商，我們不再與之進行合作。

我們將進一步加強供應商社會責任管理工作，同時高度重視供應商污染物排放問題、減排措施、安全生產情況以及是否僱用童工等情況。

## 4.2 員工發展

我們相信本集團的員工是維持我們市場地位並獲得良好業績的源泉和動力，我們的員工是最寶貴的財富，是企業可持續發展的力量，我們積極為員工的事業發展和身心健康提供良好的條件。

#### 4.2.1 Human resources statistics

The table below sets forth the number of employees as at 31 December 2018 by gender, age group and function:

#### 4.2.1 人力資源統計

下表截列於2018年12月31日按性別、年齡及職能劃分的員工人數：

	<b>No. of employees (percentage)</b> 員工人數 (百分比)
<b>By Gender</b>	
<b>性別</b>	
Female 女性	370 (20.6%)
Male 男性	1430 (79.4%)
<b>By Age Group</b>	
<b>年齡</b>	
Under 30 years old <30歲	785 (43.6%)
30–40 years old 30-40歲	530 (29.4%)
Over 40 years old >40歲	485 (27.0%)
<b>By Function</b>	
<b>職能</b>	
Concession operation management personnel 特許經營管理人員	93 (5.2%)
Engineering and technical personnel 工程技術人員	176 (9.8%)
Sales personnel 銷售人員	24 (1.3%)
R&D personnel 研發人員	75 (4.2%)
Administrative and management personnel 行政管理人員	40 (2.2%)
Manufacture personnel 生產人員	1392 (77.3%)
<b>Total</b> <b>總計</b>	<b>1800 (100%)</b>

#### 4.2.2 Human resources policies

##### *Employee recruitment*

Upholding the principle of “fairness, justness and openness”, the Group gives full consideration to its business development needs and employee structure from selection to recruitment in accordance with the Group’s recruitment and employment policies. Stringent interview procedures for assessment during recruitment process have been adopted to mitigate avoid any forms of discrimination.

We strictly prohibit the recruitment of child labor and forced labor in compliance with Labor Law of People’s Republic of China (《中華人民共和國勞動法》) and Prohibition of Child Labor Provisions (《禁止使用童工規定》). We verify the identity of employees at the time of signing labor contracts with employees, which prevents the use of child labor. During the Reporting Period, the Group did not have any non-compliance incident on aspects of hiring, working hours, holiday leaves, equal opportunity, diversity, anti-discrimination and others. All job applicants are considered equally. No applicants will be treated unfairly on any grounds such as age, race, gender, marital status or religious belief. All eligible employees will be considered for promotion regardless of above-mentioned conditions.

The hiring and dismissal of employees shall first be approved by the general manager in accordance with our human resource policy.

##### *Employee incentives*

By setting the operational strategies and annual operational goals as its guidance, achieving financial results as its focus, meeting market demands as its direction, and technology research and development as its support, the Group comprehensively improves its overall project execution capabilities, project management capabilities and teamwork. During the year of 2018, the Group established a merit-based evaluation system by taking into account “contribution value” as a performance measure. This system places emphasis on evaluating the operational capability with working efficiency and guiding employees to excellence.

Further, the Group implemented a responsibility-based system for business management objectives, and all employees participate in performance appraisal. By setting post-specific key performance indicators and index evaluation criteria, the Group objectively evaluates the completion of tasks required by each position, and helps employees improve their work level and performance, to ensure the realization of its business objectives for the year. At the same time, our employees will be truly motivated according to the quantitative evaluation results, as it is tied in with their bonus and promotion.

#### 4.2.2 人力資源政策

##### *員工招聘*

我們秉承「公平、公正、公開」的原則，充分考慮本集團的業務發展需要及人員結構，根據本集團的招聘與錄用管理規定進行人員甄選。我們在招聘過程中履行嚴格的面試評估流程，降低任何歧視行為的發生。

我們堅決杜絕僱傭童工及強制募工現象，嚴格遵守國家《中華人民共和國勞動法》及《禁止使用童工規定》。在與員工簽訂勞動合同的同時核實員工身份，直接避免僱傭童工。報告期內，本集團未發生任何有關僱傭、工作時數、假期、平等機會、多元化、反歧視等方面的違規事項。所有的求職者會得到平等對待，不會因任何如年齡、種族、性別、婚姻狀況或宗教信仰等原因而受到不平等對待。不論上述狀況，所有符合資格員工將會被納入晉升考慮。

根據我們的人力資源政策，員工的僱用及解僱須首先獲得總經理批准。

##### *員工激勵*

以經營戰略和年度經營目標為指導，以經濟效益為中心，以滿足市場需求為指引、以技術研發為支撐，本集團全面提高公司整體項目執行能力、項目管理能力、團隊協作能力。在2018年度內，建立了以「貢獻值」為業績衡量標準的績效評估體系，這個體系注重以工作效率評判崗位工作能力，引導員工創效創優。

集團實行經營管理目標責任制，全員參與績效評估。通過設定崗位關鍵績效指標及指標評價標準，客觀地評價各崗位任務完成情況，幫助員工提升自身工作水平和工作業績，以保證公司年度經營目標的實現。同時根據量化評估結果匹配員工的相應獎懲制度、晉升制度，真正實現員工激勵。



### *Employee remuneration policies*

The remuneration packages of the employees include salaries, bonuses and allowances. Our employees also receive supplementary medical benefits, transportation allowances, meal allowances and other benefits. The Group carries out employee performance appraisals and establishes comprehensive and dynamic appraisal mechanisms. The department heads' remunerations are adjusted according to the results of their performance appraisals. Pursuant to applicable PRC regulations, the Group has contributed to social insurance funds for all employees, including pension plans, basic medical insurance, work-related injury insurance, unemployment insurance, maternity insurance, and housing funds.

### *Employee training*

To attract and retain high-caliber employees and further improve their knowledge, skills and professionalism, we place great resource in the training of employees. We provide professional education, training and other opportunities to managers and employees to improve their professional skills and knowledge. We independently develop and provide specialized trainings for design departments, marketing training for marketing centers, and training for fresh graduates among our recruits. In 2018, the Group implemented 77 training programs in business management, professional technology and production skills, and the training completion rate reached 92%.

### *Employee care*

We believe in developing our employees' sense of belonging to the Group, and organize a rich variety of activities to cultivate team spirit and enrich employees' work and life. We hold a birthday party every two months which include employees of all levels. We identify excellent employees and teams every year, and reward those who make outstanding contributions in the year. In 2018, the Group organized team building activities for all employees, so as to enhance team communication and cohesion.

### *員工薪酬政策*

我們員工的薪酬組合包括薪金、獎金、津貼。我們的員工亦享有補充醫療、交通補貼、午餐津貼及其他福利費。我們推行員工業績考核，建立了全方位、靈活的考評機制，部門主管的薪酬根據其績效考核結果進行調整。我們已按國家要求為全體員工繳納社保基金（包括養老保險、基本醫療保險、工傷保險、失業保險及生育保險）及住房公積金。

### *員工培訓*

為吸引及挽留高素質的員工及進一步提高員工的知識、技能水平及職業素養，我們十分注重對員工的培訓。我們向管理人員及員工提供專業性教育、培訓及其他機會，提高員工的專業技能及知識，自主研發並提供設計院專項培訓、市場營銷中心銷售精英培訓以及招募的員工中的應屆畢業生的培養雞鷹計劃。於2018年，本集團進行77項經營管理類、專業技術類、及生產技能類等培訓計劃，培訓完成率達到92%。

### *員工關懷*

我們相信激發員工對企業的歸屬感，通過組織各種豐富多彩的活動，培養團隊合作精神，豐富員工工作生活。我們定期為各個級別的員工每兩個月舉辦一場生日會。每年評定優秀員工和優秀團隊，對做出年度突出貢獻的員工給予獎勵。2018年，集團組織公司全體員工開展團隊建設活動，增強團隊交流和凝聚力。

Mutually Beneficial Cooperation, Social Responsibilities  
合作共贏，社會責任



Birthday Parties for Employees  
為員工舉辦生日會



2018 Excellent Employees' Trip to Bali, Indonesia  
2018年優秀員工巴厘島(印度尼西亞)之旅





Team Building Activities Organized in 2018  
2018年公司團隊建設活動

### 4.3 COMMUNITY SERVICE

The Group has always been committed to giving back to the community, creating a harmonious community environment, and improving the living environment of residents and air quality. We proactively participate in cultural construction and public service activities in our communities, understand the needs from communities, and strive to create harmonious social relations. The Group also actively develops public welfare campaigns, conveys love and warmth and promotes the spirit of Boqi culture.

On March 16, 2018, The Group was listed on the Main Board of the Stock Exchange, and donated HK\$1million to the Community Chest of Hong Kong.

On December 28, 2018, some employees of the Group went to the Sun Village in Shunyi District of Beijing and held a public welfare activity themed “*joining big hands and small hands, Boqi warming the Sun Village*”. Advocating for social activities for public good, we donated books and daily necessities to the students of the Sun Village Primary School, bringing the culture and love of Boqi.

### 4.3 社區服務

本集團一直致力於回饋社會，營造良好和諧的社區環境，改善居民生活環境，改善空氣環境質量。我們積極參與所在社區的文化建設、公益活動，了解社區需求，努力營造和諧的社會關係。本集團亦積極發展公益事業，傳遞愛心和溫暖，弘揚博奇文化精神。

本集團於2018年3月16日在聯交所主板上市，並在當天捐贈港幣一百萬元予香港公益金。

2018年12月28日，集團部份員工前往北京順義太陽村開展以「大手拉小手，博奇情暖太陽村」為主題的愛心公益活動，倡導社會公益活動，為太陽村小學的學生捐獻圖書及生活物品。將博奇文化和愛心送至太陽村小學學生中。



Public Welfare Activity in the Sun Village in Shunyi District, Beijing  
北京順義太陽村愛心公益活動

# About This Report

## 關於本報告

### REPORT INTRODUCTION

China Boqi Environmental (Holding) Co., Ltd. is pleased to present the second environmental, social and governance report (the “**Report**”). The report mainly discloses the performance and results of the Group's corporate governance, safety and quality, environmental protection, talent development, and social activities during the Reporting Period.

### REPORT COMPILATION PRINCIPLES

The Report has been prepared in accordance with relevant requirements of “Environmental, Social and Governance Reporting Guide” issued by the Hong Kong Stock Exchange.

### REPORTING PERIOD

The reporting period spans from January 1, 2018 to December 31, 2018, with some information tracing back to earlier years (the “**Reporting Period**”).

### DATA SOURCE

All data used in the Report are derived from internal official documents and relevant statistics of the Company.

### REFERENCE

In order to facilitate the presentation, the words “we”, “the Company”, “the Group” or “Boqi Environmental” in this Report refer to “China Boqi Environmental (Holding) Co., Ltd.”.

### 報告簡介

中國博奇環保(控股)有限公司欣然發佈第二份環境、社會及管治報告(「**本報告**」)。本報告主要披露了本集團於報告期內企業管治、安全質量、環境保護、人才發展及社會活動等各方面的表現及成果。

### 編制依據

本報告編制遵循香港聯交所《環境、社會及管治報告指引》相關要求。

### 時間範圍

報告時間跨度為2018年1月1日至2018年12月31日(「**報告期間**」)，部分內容追溯以往年份。

### 資料來源

本報告所引用的資料來源於公司內部正式文檔和相關統計。

### 指代說明

為便於表述，報告中「我們」、「公司」、「集團」、「博奇環保」指代「中國博奇環保(控股)有限公司」。



# Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index

## 附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引

Disclosures and KPIs 披露及關鍵績效指標		Page 頁碼	Reference to the Report/ Explanation 報告內容／註釋
<b>A. Environmental</b> <b>A. 環境</b>			
A1: Emissions A1: 排放物	General Disclosure 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. 一般披露 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。	9-11	2.2 Reducing Pollution Emission 2.2 減少污染排放
	A1.1 The types of emissions and respective emissions data. A1.1 排放物種類及相關排放數據。	9-11	2.2 Reducing Pollution Emission 2.2 減少污染排放
	A1.2 Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). A1.2 溫室氣體總排放量（以噸計算）及（如適用）密度（如以每產量單位、每項設施計算）。	9-11	2.2 Reducing Pollution Emission 2.2 減少污染排放
	A1.3 Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). A1.3 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）。	9-11	2.2 Reducing Pollution Emission 2.2 減少污染排放
	A1.4 Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). A1.4 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）。	9-11	2.2 Reducing Pollution Emission 2.2 減少污染排放  N/A, as non-hazardous waste generated was immaterial 不適用，因所產生的無害廢棄物並不重大

## Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index

### 附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引

Disclosures and KPIs	Page	Reference to the Report/ Explanation
披露及關鍵績效指標	頁碼	報告內容／註釋
<p>A1.5 Description of measures to mitigate emissions and results achieved.</p> <p>A1.5 描述減低排放量的措施及所得成果。</p>	8-9	<p>2.1 Environmental Protection</p> <p>2.1 環境保護</p>
<p>A1.6 Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved.</p> <p>A1.6 描述處理有害及無害廢棄物的方法、減低產生量的措施及所得成果。</p>	9-11	<p>2.2 Reducing Pollution Emission</p> <p>2.2 減少污染排放</p>
<p>A2: Use of Resources</p> <p>A2：資源使用</p> <p>General Disclosure Policies on the efficient use of resources, including energy, water and other raw materials.</p> <p>一般披露 有效使用資源(包括能源、水及其他原材料)的政策。</p>	11-13	<p>2.3 Conservation of Energy</p> <p>2.3 節約能源</p>
<p>A2.1 Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000) and intensity (e.g. per unit of production volume, per facility).</p> <p>A2.1 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)。</p>	11-13	<p>2.3 Conservation of Energy</p> <p>2.3 節約能源</p>
<p>A2.2 Water consumption in total and intensity (e.g. per unit of production volume, per facility).</p> <p>A2.2 總耗水量及密度(如以每產量單位、每項設施計算)。</p>	11-13	<p>2.3 Conservation of Energy</p> <p>2.3 節約能源</p>
<p>A2.3 Description of energy use efficiency initiatives and results achieved.</p> <p>A2.3 描述能源使用效益計劃及所得成果。</p>	11-13	<p>2.3 Conservation of Energy</p> <p>2.3 節約能源</p>

## Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index

### 附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引

Disclosures and KPIs 披露及關鍵績效指標		Page 頁碼	Reference to the Report/ Explanation 報告內容／註釋
	<p>A2.4 Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved.</p> <p>A2.4 描述求取適用水源上可有任何問題，以及提升用水效益計劃及所得成果。</p>	11-13	2.3 Conservation of Energy 2.3 節約能源
	<p>A2.5 Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.</p> <p>A2.5 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。</p>	—	N/A, as the Group does not produce any finished products 不適用，因本集團並不生產任何製成品
A3: The Environment and Natural Resources A3：環境及天然資源	<p>General Disclosure Policies on minimising the issuer's significant impact on the environment and natural resources.</p> <p>一般披露 減低發行人對環境及天然資源造成重大影響的政策。</p>	9-11	2.2 Reducing Pollution Emission 2.2 減少污染排放
	<p>A3.1 Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.</p> <p>A3.1 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。</p>	9-11	2.2 Reducing Pollution Emission 2.2 減少污染排放

**Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index**  
**附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引**

Disclosures and KPIs 披露及關鍵績效指標		Page 頁碼	Reference to the Report/ Explanation 報告內容／註釋
<b>B. Social</b> <b>B. 社會</b>			
B1: Employment B1: 僱傭	<p>General Disclosure Information on:</p> <p>(a) the policies; and</p> <p>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.</p> <p>一般披露 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：</p> <p>(a) 政策；及</p> <p>(b) 遵守對發行人有重大影響的相關法律及規例的資料。</p>	28-31	<p>4.2.2 Human resources policies: Employee recruitment Employee incentives Employee remuneration policies Employee care</p> <p>4.2.2 人力資源政策： 員工招聘 員工激勵 員工薪酬政策 員工關懷</p>
	<p>B1.1 Total workforce by gender, employment type, age group and geographical region. B1.1 按性別、僱傭類型、年齡組別及地區劃分的僱員總數。</p>	27	<p>4.2.1 Human resources statistics 4.2.1 人力資源統計</p>



## Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index

### 附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引

Disclosures and KPIs		Page	Reference to the Report/ Explanation
披露及關鍵績效指標		頁碼	報告內容／註釋
B2: Health and Safety B2 : 健康與安全	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards. 一般披露 有關提供安全工作環境及保障僱員避免職業性危害的： (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。	19-23	3.2 Safe Production: Safety training Safety hazard detection Occupational health  3.2 安全生產： 安全活動 安全隱患排查 職業健康
	B2.1 Number and rate of work-related fatalities. B2.1 因工作關係而死亡的人數及比率。	23	3.2 Safe Production: Occupational health 3.2 安全生產： 職業健康
	B2.2 Lost days due to work injury. B2.2 因工傷損失工作日數。	23	3.2 Safe Production: Occupational health 3.2 安全生產： 職業健康
	B2.3 Description of occupational health and safety measures adopted, how they are implemented and monitored. B2.3 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。	19-23	3.2 Safe Production: Occupational health Safety training 3.2 安全生產： 職業健康 安全活動

Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index  
附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引

Disclosures and KPIs 披露及關鍵績效指標		Page 頁碼	Reference to the Report/ Explanation 報告內容／註釋
B3: Development and Training B3：發展及培訓	General Disclosure Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. 一般披露 有關提升僱員履行工作職責的知識及技能的政策。描述培訓活動。	15-18, 29	3.1 Quality Management: Conducting training on construction technology and quality 3.1 質量管理： 開展施工工藝和質量培訓  4.2.2 Human resources policies: Employee training 4.2.2 人力資源政策： 員工培訓
B4: Labour Standards B4：勞工準則	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour. 一般披露 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。	28	4.2.2 Human resources policies: Employee recruitment 4.2.2 人力資源政策： 員工招聘
	B4.1 Description of measures to review employment practices to avoid child and forced labour. B4.1 描述檢討招聘慣例的措施以避免童工及強制勞工。	28	4.2.2 Human resources policies: Employee recruitment 4.2.2 人力資源政策： 員工招聘

## Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index

### 附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引

Disclosures and KPIs		Page	Reference to the Report/ Explanation
披露及關鍵績效指標		頁碼	報告內容／註釋
B5: Supply Chain Management B5：供應鏈管理	General Disclosure Policies on managing environmental and social risks of the supply chain. 一般披露 管理供應鏈的環境及社會風險政策。	25-26	4.1 Supplier Cooperation 4.1 供應商合作
	B5.2 Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored. B5.2 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。	25-26	4.1 Supplier Cooperation 4.1 供應商合作
B6: Product Responsibility B6：產品責任	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress. 一般披露 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。	15-18	3.1 Quality Management 3.1 質量管理
	B6.1 Percentage of total products sold or shipped subject to recalls for safety and health reasons. B6.1 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。	17	3.1 Quality Management: Strict quality inspection and acceptance 3.1 質量管理： 嚴格質量監檢及驗收
	B6.2 Number of products and service related complaints received and how they are dealt with. B6.2 接獲關於產品及服務的投訴數目以及應對方法。	18	3.1 Quality Management: Ad-hoc customer visit and complaint mechanism 3.1 質量管理： 設立客戶回訪及投訴機制
	B6.4 Description of quality assurance process and recall procedures. B6.4 描述質量檢定過程及產品回收程序。	17	3.1 Quality Management: Strict quality inspection and acceptance 3.1 質量管理： 嚴格質量監檢及驗收

**Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index**  
**附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引**

<b>Disclosures and KPIs</b>		<b>Page</b>	<b>Reference to the Report/ Explanation</b>
披露及關鍵績效指標		頁碼	報告內容／註釋
<p>B7: Anti-corruption B7：反貪污</p>	<p>General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering. 一般披露 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。</p>	5	<p>1.3 Combating Corruption and Upholding Integrity 1.3 反腐倡廉建設</p>
	<p>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. B7.1 於匯報期內對發行人或其僱員提出並已審結的貪污訴訟案件的數目及訴訟結果。</p>	5	<p>1.3 Combating Corruption and Upholding Integrity 1.3 反腐倡廉建設</p>
	<p>B7.2 Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored. B7.2 描述防範措施及舉報程序，以及相關執行及監察方法。</p>	5	<p>1.3 Combating Corruption and Upholding Integrity 1.3 反腐倡廉建設</p>



## Appendix I — Hong Kong Stock Exchange Environmental, Social and Governance Reporting Guides' Index

### 附錄一 — 香港聯交所《環境、社會及管治報告指引》指標索引

Disclosures and KPIs		Page	Reference to the Report/ Explanation
披露及關鍵績效指標		頁碼	報告內容／註釋
B8: Community Investment B8：社區投資	General Disclosure Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests. 一般披露 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。	32	4.3 Community Service 4.3 社區服務
	B8.1 Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). B8.1 專注貢獻範疇(如教育、環境事宜、勞工需求、健康、文化、體育)。	32	4.3 Community Service 4.3 社區服務
	B8.2 Resources contributed (e.g. money or time) to the focus area. B8.2 在專注範疇所動用資源(如金錢或時間)。	32	4.3 Community Service 4.3 社區服務