

LESSO 联塑

CHINA LESSO GROUP HOLDINGS LIMITED

中國聯塑集團控股有限公司

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：2128



2018

CORPORATE SOCIAL RESPONSIBILITY REPORT

企業社會責任報告

About this Report

This is the fourth corporate social responsibility report by China Lesso Group Holdings Limited and its subsidiaries. The report systematically explains the Group's philosophy of corporate social responsibility, and its practices and performance in fulfilling its corporate social responsibility towards shareholders, customers, business partners, the environment, employees and society for the year 2018. It also covers the Group's outlook for its endeavors to serve customers and society.

Period Covered by this Report

This report principally covers a period from 1 January 2018 to 31 December 2018, and part of both the previous financial year and the year 2019.

Scope of this Report

This report covers the performance of China Lesso Group Holdings Limited and its domestic subsidiaries, but does not include that of its overseas subsidiaries.

Definitions

For the purposes of expression and readability, "China Lesso Group Holdings Limited and its subsidiaries" are referred to as "China Lesso", "Group", "Company" or "We" in this report.

Basis of Preparation

Most of the information disclosed in this report was prepared in strict compliance with the Environmental, Social and Governance Reporting Guide of The Stock Exchange of Hong Kong Limited and was published as required by Sustainability Reporting Guidelines of Global Reporting Initiative (GRI Standards).

Declaration of the Truthfulness, Accuracy and Completeness of the Data

All data disclosed in this report come from the official documents, statistical reports or relevant public information of the Company. The Company guarantees that the report is free of any false statements, misleading representations or material omissions.

Currency

Unless otherwise specified, the currency in which the financial data are reported is Renminbi ("RMB").

Access to the Report

This report is available in both Chinese and English. An electronic copy of this report can be downloaded on China Lesso's website (www.lesso.com).

關於本報告

本報告是中國聯塑集團控股有限公司及其附屬公司發佈的第四份社會責任報告，系統披露了集團2018年在履行對股東、客戶、合作夥伴、環境、員工和社會等方面的社會責任理念、實踐、績效，以及未來展望。

時間範圍

2018年1月1日至2018年12月31日，部分內容往前後年度適度延伸。

報告範圍

本報告涵蓋了中國聯塑集團控股有限公司及其附屬公司，不包括海外附屬公司。

稱謂說明

為了便於表述和閱讀，本報告中的「中國聯塑集團控股有限公司及其附屬公司」亦以「中國聯塑」、「集團」、「公司」或「我們」表示。

參照標準

本報告所披露的大部分內容均嚴格按照香港交易所《環境、社會及管治報告指引》要求編寫，並按照全球報告倡議組織《可持續發展報告標準》（GRI Standards）披露。

資料說明

報告所披露的資料與案例來自公司正式文件、統計報告或有關公開資料。公司保證本報告內容不存在任何虛假記載、誤導性陳述或重大遺漏。

貨幣單位

報告中所涵蓋的貨幣單位如無特別說明均為人民幣。

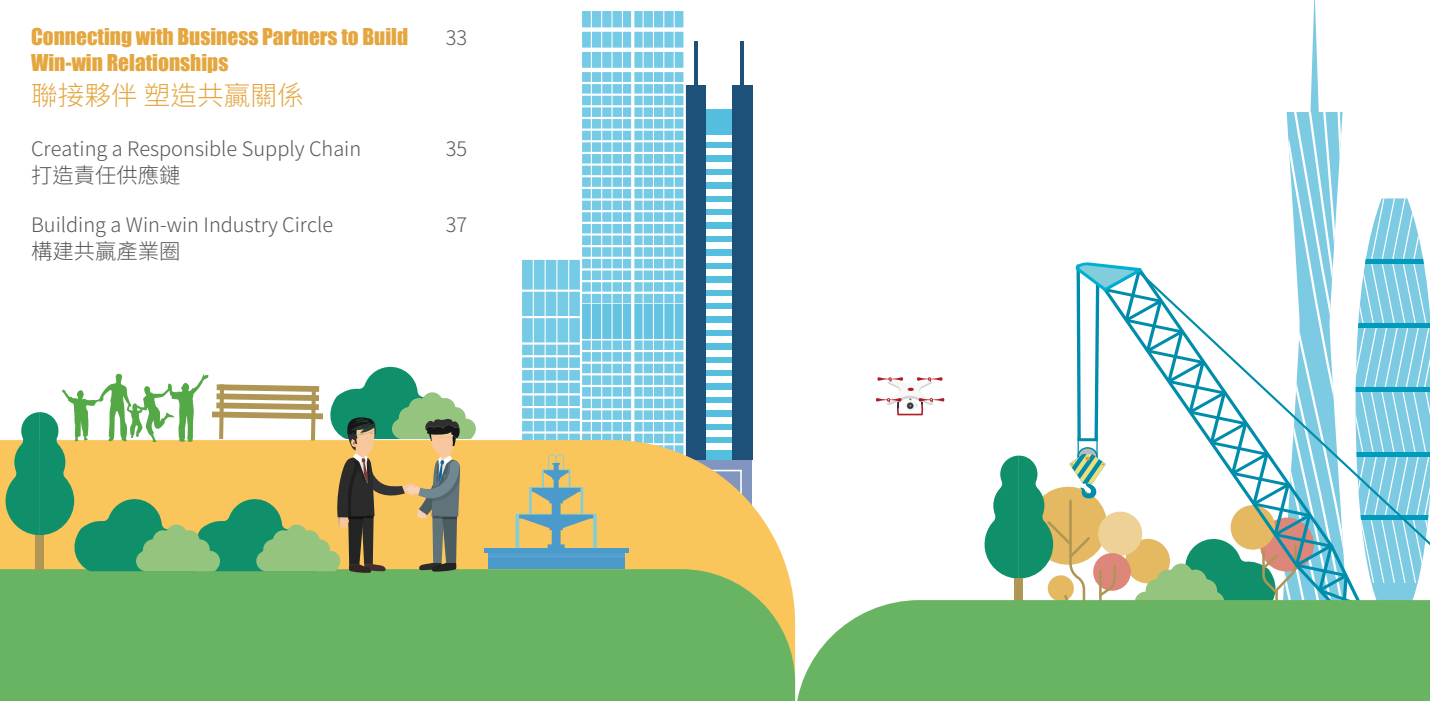
報告獲取

本報告提供中英文版本供讀者參閱。您可登錄www.lesso.com網站在網上閱讀或下載報告電子版。

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Chairman's Message

For China Lesso, 2018 was an extraordinary year. As the global economy endured profound adjustments and the domestic market experienced constant changes, we faced up to the test at home and abroad and progressed at a steady beat. We must extend our gratitude to the government, shareholders, business partners and our employees who have been champions of China Lesso. Without you, China Lesso would not be where it is today.

In 2018, adhering to our brand confidence – "building a relaxing life for residents", we performed the responsibilities as a corporate citizen and deepened the connotation of "quality Lesso products". Meaningful connections between the Company and cities, business partners, surroundings as well as communities were established through our innovative products of higher quality, thoughtful and more convenient services, reciprocal and mutually beneficial cooperation, eco-friendly operations and more sincerity and diversity. Thus, we shaped a harmonious symbiotic relationship and built a better future together with residents.

Connecting with cities to achieve higher quality of life. With the starter of satisfying the demand for people's well-being, we adhered to safe production practices and product quality and maintained the expansion of our R&D team to transform technologies into productivity, and bonded with residents by virtue of more diversified products and services with high quality. At the same time, to help contribute to building more sustainable cities, we continued expanding engagements in eco-friendly business through the construction and engineering of national prioritized projects such as the Xiong'an New Area, Beijing Daxing International Airport and Hong Kong-Zhuhai-Macao Bridge, promoting the ecological development of cities with China Lesso's solutions and products.

董事長致辭

2018年，對中國聯塑來說是不平凡的一年。面對深刻調整的世界經濟環境和瞬息萬變的國內市場環境，我們迎難而上，砥礪前行，經受住內外部環境考驗，保持穩步發展。我們感謝一路支持中國聯塑發展的政府、股東、合作夥伴及全體聯塑人，是你們的支持，成就了中國聯塑今天的發展成績。

2018年，我們繼續秉持「為居者構築輕鬆生活」的品牌信仰，積極履行企業公民責任，不斷深化「品質聯塑世界」的內涵，以更優質創新的產品，更貼心便捷的服務，更互惠共贏的合作，更綠色環保的運營，更真誠多元的關懷，聯接企業與城市、夥伴、環境及社區，塑造和諧共生之路，與居者共創美好未來。

聯接城市，塑造品質生活。我們以滿足人民對美好生活的需求為出發點，堅持安全生產，嚴守產品質量，並持續充實科研技術研發團隊，推動科技成果轉化，以更多元、優質的產品及服務搭建與居者美好生活之間的聯接。同時，為助力打造更可持續的城市，我們持續拓展環保業務，參與雄安新區、北京新機場、港珠澳大橋等國家重點區域及重大工程建設，為城市的綠色持續發展提供聯塑方案及產品。

Connecting with business partners to build win-win relationships. We valued the establishment of win-win partnerships with reciprocity at their core; and we grew together with suppliers and dealers through supplier research seminars, Lesso Customer Classroom sessions and meetings with dealers. We concurrently developed partnerships with other enterprises and universities and participated in international cooperation in an open and extensive manner, building win-win relationships with a wide network of stakeholders.

Connecting with the natural world to build green homes. Blue skies and white clouds, clear water and green banks – these are the ideal natural surroundings for residents. To chip in building a harmonious ecology, China Lesso constantly improved its environmental management and practiced green operations by enhancing its efficiency and management of waste discharge, and dedicated to cleaning up its footprint, following the philosophy of connecting with the environment to build green homes.

Connecting with you to build a promising future. We respect each and every employee who has delivered value to the Group, and are committed to making sure that the rights and interests of employees are protected, supporting the growth of employees, enhancing employees' sense of happiness, and creating a better future with our employees. We have been more concerned about the community and people's well-being, responsive to the call of the Chinese government to conduct targeted poverty alleviation and worked hard to address the difficulties of clean drinking water and education in poverty-stricken areas. Moreover, the Group motivated its employees to participate in public welfare projects and promote Lesso's caring and thoughtful services and products to residents, sharing the fruits of Lesso's development to create a beautiful life for everyone.

Looking ahead, we will better perform our responsibilities and obligations by giving back to the community and shareholders, benefiting our employees, and enabling a bright future and relaxing life for residents.

聯接夥伴，塑造共贏關係。我們重視互惠、共贏夥伴關係的建立，通過開展供應商調研座談、開辦聯塑客戶學堂、舉辦經銷商大會等，與供應商、經銷商攜手共同成長。同時，我們以開放的姿態，與企業、高等院校及國際間廣泛開展合作，與更廣泛的利益相關方攜手塑造共贏夥伴關係。

聯接綠色，塑造生態家園。藍天白雲、碧水綠岸是居者對美好居住環境的期盼。我們以「聯接綠色，塑造生態家園」為努力方向，持續完善環境管理，踐行綠色運營，加強能效及廢棄物排放管理，並致力傳播綠色足跡，為構建和諧生態環境貢獻聯塑力量。

聯接你我，塑造美好未來。我們尊重每一位為集團創造價值的員工，致力保障員工合法權益、支持員工成長、提升員工幸福感，與員工攜手共創更美好未來。我們更關注社會民生，積極響應國家號召，開展精準扶貧，致力改善貧困地區的飲水困境及教育環境；同時，集團廣泛動員員工志願者投身社會公益，向居者傳遞聯塑溫情，與其同享聯塑發展成果，共創美好生活。

展望未來，我們將更深入履行責任和義務，以優異的表現回饋社會、回報股東、惠及員工，與居者共享美好、輕鬆生活。

About Us

Company Overview

China Lesso Group Holdings Limited (stock code: 2128.HK) is a large-scale industrial group that manufactures building materials and interior decoration products in China. The Company was listed on the main board of the Stock Exchange of Hong Kong Limited (SEHK) in June 2010. Headquartered in Shunde, Guangdong province, the Group has 23 production bases in 16 provinces across China, including Guangdong, Guizhou, Sichuan, Hubei, Jiangsu, Anhui, Zhejiang, Henan, Hebei, Jilin, Shaanxi, Xinjiang, Hainan, Yunnan, Shandong and Hunan; and it has a nationwide distribution network. The Group's products are classified into four categories, namely plastic piping system (a full range of plastic pipes and pipe fittings applied to such fields as water supply, drainage, power supply and telecommunications, gas transmission, floor heating, fire service and agriculture, etc.), building materials and interior decoration products (a comprehensive solution that comprises the design, production and installation of sanitary fittings and ware, integrated kitchens, integrated doors and windows, decorative plates, fire-fighting equipment and hygienic materials; and interior decoration and related services), environmental protection business (municipal sewage, watercourse management, soil remediation, underground integrated piping system, infrastructure of a sponge city and production and installation of integrated water purification equipment, etc.) and sales and distribution services (Lesso Home).

關於我們

公司概况

中國聯塑集團控股有限公司（股份代號：2128.HK）是中國大型建材家居產業集團，於2010年6月在香港聯合交易所有限公司（聯交所）主板上市。集團總部位於廣東順德，在廣東、貴州、四川、湖北、江蘇、安徽、浙江、河南、河北、吉林、陝西、新疆、海南、雲南、山東、湖南等16個省份擁有超過23個生產基地，並擁有覆蓋全國的分銷網絡。集團產業分為四大業務板塊，覆蓋塑膠管道系統（可提供給水、排水排污、電力通信、燃氣、地暖、消防及農業等領域的全系列管道及管件產品）、建材家居（包括水暖衛浴、整體廚房、整體門窗、裝飾板材、消防器材及衛生材料等，可為客戶提供從設計、生產、安裝到服務的整體解決方案）、環保產業（涉及市政污水、河涌治理、土壤修復、地下綜合管廊、海綿城市、一體化淨水設備等項目）、渠道與服務（打造領尚環球之家）四大業務板塊。

Corporate Culture

企業文化



Brand Architecture

品牌架構



"Lesso" represents such aspects as "Link, Easy, Safe, Share and Open" of China Lesso's corporate culture. The corporate logo in red symbolizes the vibrancy and sustainability of life, and reflects the vitality, passion and prosperity of China Lesso. It also represents our employees' tireless endeavor to build a booming business.

中國聯塑的品牌LESSO寓意著傳承、輕鬆、安全、分享、開放的企業文化理念。紅色的標識象徵生生不息的生命，體現聯塑的活力激情、朝氣蓬勃、欣欣向榮，寓意著聯塑人孜孜不倦地追求、開創蒸蒸日上的宏圖事業。

LESSO

Our Brands
LESSO旗下品牌

LESSO 联塑

Plastic pipes,
sanitary ware products,
fire-fighting equipment,
valves,
sealant,
offshore aquaculture cages

塑膠管道、
水暖衛浴、
消防器材、
閥門、
密封膠、
海洋養殖網箱

LESSO 领尚

Integrated kitchens, water
purification equipment, systems of
doors and windows, integrated
wardrobes, wooden doors,
decorative plates, integrated
heating system

整體廚房、淨水
機、門窗系統、整
體衣櫃、居家木
門、裝飾板材、集
成供暖系統



Environmental protection
consultation,
construction,
environmental
assessment, operation,
design and monitoring

環保諮詢、
施工、環評、
運營、設計、
檢測



Furniture, sanitary
products, cupboard,
building materials,
accessories, hardware,
ceramics, lighting,
curtain, etc.

傢俱、衛浴、
櫥櫃、建材、
飾品、五金、
陶瓷、燈飾、
布藝等

EAGO 益高

Sanitary ware, bath &
shower accessories

衛浴潔具



Mass production of
interior decoration
equipment

住宅內裝設
備工業化

LESSO 联塑 | WUJIAO

Steel-plastic composite
pipes, galvanized pipes

鋼塑複合管、
鍍鋅管

LESSO 万嘉

Sanitary materials

衛生材料

Corporate Governance

The Group has established a standardized corporate governance structure, and formulated rules and systems in compliance with the requirements for the Company's development such as the *Articles of Association* and *Director Nomination Policy*, thus perfecting internal control systems and standardizing corporate governance in accordance with requirements of the *Securities and Futures Ordinance, Cayman Islands Companies Law, Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong, Company Law of the People's Republic of China* and other laws and regulations. For details about the Board of Directors and the committees under the Board of Directors, please refer to the *2018 Annual Report of China Lesso Group Holdings Limited*.

The Group implements the Chief Executive Accountability System under the Board of Directors (the "Board"). The Board is comprised of 15 directors, including ten executive directors and five independent non-executive directors. There are two female directors, of whom one is an executive director and the other independent non-executive director. In order to ensure independence of the respective roles of the Board and management teams who are in charge of the Group's business administration and operations, the positions of Chairman and Chief Executive are held by different people, namely Mr. Wong Luen Hei and Mr. Zuo Manlun respectively.

企業管治

集團按照《證券及期貨條例》、《開曼群島公司法》、香港聯交所《證券上市規則》、《中華人民共和國公司法》等法律法規要求，建立了規範的企業管治架構，制定《公司章程》《董事提名政策》等符合公司發展要求的規則和制度，健全內部控制體系，規範企業治理。董事會、董事委員會等詳細內容見《中國聯塑集團控股有限公司 2018 年度報告》。

集團實行董事會領導下的總裁負責制，董事會現時由15名董事組成，包括10名執行董事及5名獨立非執行董事。董事會有女性員工2名，其中執行董事和獨立非執行董事各1名。為有效區分董事會管理與董事日常管理及業務運營，集團董事會主席由黃聯禧先生擔任，總裁由左滿倫先生擔任。



Organizational Structure of China Lesso
中國聯塑組織架構

Communication with Shareholders

The Board maintains an on-going dialogue with shareholders and investors via regular earnings conferences, general meetings, investor receptions, investor conferences and roadshows, responsiveness on phone calls and emails, reception of research and investigation personnel and other methods to reinforce connection and communication with capital markets and the management of information disclosure and to enhance transparency. In 2018, China Lesso held eight Board meetings.

與股東溝通

集團持續與股東及投資者保持對話，通過定期的業績發佈會、股東大會、投資者接待會、參加投資者交流會和路演、電話接待、郵件回復、接待調研等眾多方式與途徑，加強與資本市場的聯繫和溝通，增強信息披露管理，提高公司透明度。2018年，集團召開董事會會議8次。



China Lesso Won "Golden Wing Award" Hong Kong Stock Connect Valuable Rankings



中國聯塑榮膺「金翼獎」最具成長港股通公司

case 案例

"Connecting with the World for a Brilliant Future" Investor Conference

「聯世界，塑輝煌」投資者交流會

On 18 April 2018, China Lesso held an investor conference entitled "Connecting with the World for a Brilliant Future" in Shunde, Guangdong, which attracted 156 analysts and fund managers from approximately one hundred institutions such as Harvest Fund, China Merchants Fund, Guotai Junan Securities, GF Securities, and Haitong Securities. This investor conference was held through two mediums, on-site conference and live video stream, and introduced China Lesso's development footprint, principal businesses, investment highlights and outlook, heightening investors' understanding and trust in the Group and boosting the Group's image and influence.

2018年4月18日，中國聯塑以「聯世界，塑輝煌」為主題在廣東順德召開2018年度投資者交流會，吸引了來自嘉實基金、招商基金、國泰君安、廣發證券、海通證券等近百家機構的156名分析師、基金經理等機構投資者參加。這次投資者交流會通過線下會議與網絡直播的形式，向投資者介紹中國聯塑的發展佈局、主要業務、投資亮點及未來展望，進一步加深了投資者對集團的了解與信任，提升集團的品牌形象和影響力。



Anti-corruption and Anti-fraud Campaigns

A transparent business environment is the foundation for the honest development of an enterprise. The Group has formulated an Anti-fraud Management System and build an anti-fraud management team to prevent incidents that incur losses on the interests of the Company and our shareholders. It also created many reporting channels for handling complaints and whistleblowing of fraudulent actions. Additionally, the Group has been careful to protect the identities and information of whistleblowers, and attaches great importance to the confidentiality of the sources' collecting information for reporting. The Group did not experience any whistleblowing incidents in 2018.

反腐敗與反舞弊

構建透明商業環境是企業良性發展的基石。集團制定《反舞弊管理制度》，成立反舞弊管理小組，嚴防損害公司及股東利益的行為發生，並設立多種舉報渠道，受理損害集團利益的舞弊行為投訴與舉報。同時，集團注重對舉報人的保護，對舉報人的身份和信息嚴格保密，並對舉報人因舉報而收集信息的機密性予以尊重。2018年集團共收到反舞弊舉報0次。



Communicate confidentially with the anti-fraud management team

與反舞弊管理小組秘密接觸



Call the anti-fraud hotline

撥打舞弊舉報專用電話



Mail the information to the special whistleblower mailbox

郵寄舞弊舉報專用郵箱



Send an email to the special whistleblower email address

發送舞弊舉報專用電子郵件



Anti-fraud management team handles real-name or anonymous whistleblowing cases reported by employees or external third-parties

反舞弊管理小組接收員工實名或匿名、外部第三方舉報

Risk Management

The Group formed a risk management project team, and established a set of risk management systems and policies, including *Contract Regulations*, *Assets Management System* and *Capital Management System*, in a bid to efficiently manage the Group's risks, which serve as a reasonable guarantee for the Group's compliance with laws and regulations, assets security, financial reporting as well as the truthfulness and completeness of relevant information. For details about internal systems and risk management, please refer to 2018 Annual Report of China Lesso Group Holdings Limited.

風險管理

集團建立風險管理項目組，制定《合同管理辦法》、《資產管理制度》、《資金管理制度》等系列風險管理制度和政策，對集團的風險狀況進行有效管理，為集團經營管理的合法合規、資產安全、財務報告及相關信息的真實、完整提供了合理保障。內部控制與風險管理詳細內容見《中國聯塑集團控股有限公司 2018 年度報告》。

Internal Audit

The Group conducted supervisory audits on its staff and the employees of its subsidiaries focused on operational and managerial aspects to further standardize the Company's operation and management, pursuant to the *International Standards for Professional Practice of Internal Auditing of IIA*, *Audit Law of the People's Republic of China*, *Rules for Internal Auditing of the People's Republic of China* and other law and regulations, and based on the Company's Articles of Internal Auditing.

內部審計

集團根據《IIA 國際內部審計實務標準》、《中華人民共和國審計法》、《中國內部審計準則》等相關法律法規要求，結合自身實際制定《內部審計章程》，對集團及下屬企業的人員及經營管理行為進行監察審計，進一步規範公司經營管理。

Intellectual Property Protection

The Group places great importance on intellectual property protection. In 2018, it protected its rights against the infringement of its brand name "Lesso" by means of serving lawyer's letters, complaints to industrial and commercial administrations and appealing to courts which resulted in the changing or cancellation of the names of 240 enterprises, effectively safeguarding the Group's brand image and its customers' rights and interests.

知識產權保護

集團注重知識產權保護，全年通過發送律師函、向工商部門投訴、向法院起訴的方式對侵犯「聯塑」字號的企業進行維權，有240家企業變更企業名稱或主動註銷，有效維護了集團的品牌形象和客戶的合法權益。



Social Responsibility Management of Business

Taking the establishment of a perfect social responsibility management system as the basis for managing and promoting the performance of its corporate social responsibility, the Group has gradually established a relatively sound social responsibility management system starting with organizational structure, capacity building and the like, striving to make it a sustainable enterprise and pursuing the symbiosis between the enterprise, environment and society.

責任管理

集團把建立健全的社會責任管理體系作為社會責任管理推進工作的基礎，從組織體系、能力建設等方面入手，不斷完善社會責任管理機制，努力打造可持續發展企業，追求企業與環境、社會的和諧共生。

Philosophy of Social Responsibility

The Group is committed to fulfilling its corporate social responsibility and has integrated the relevant practices into its daily business management and operations. While developing its business, the Group fulfils its economic, environmental and social responsibilities.

社會責任理念

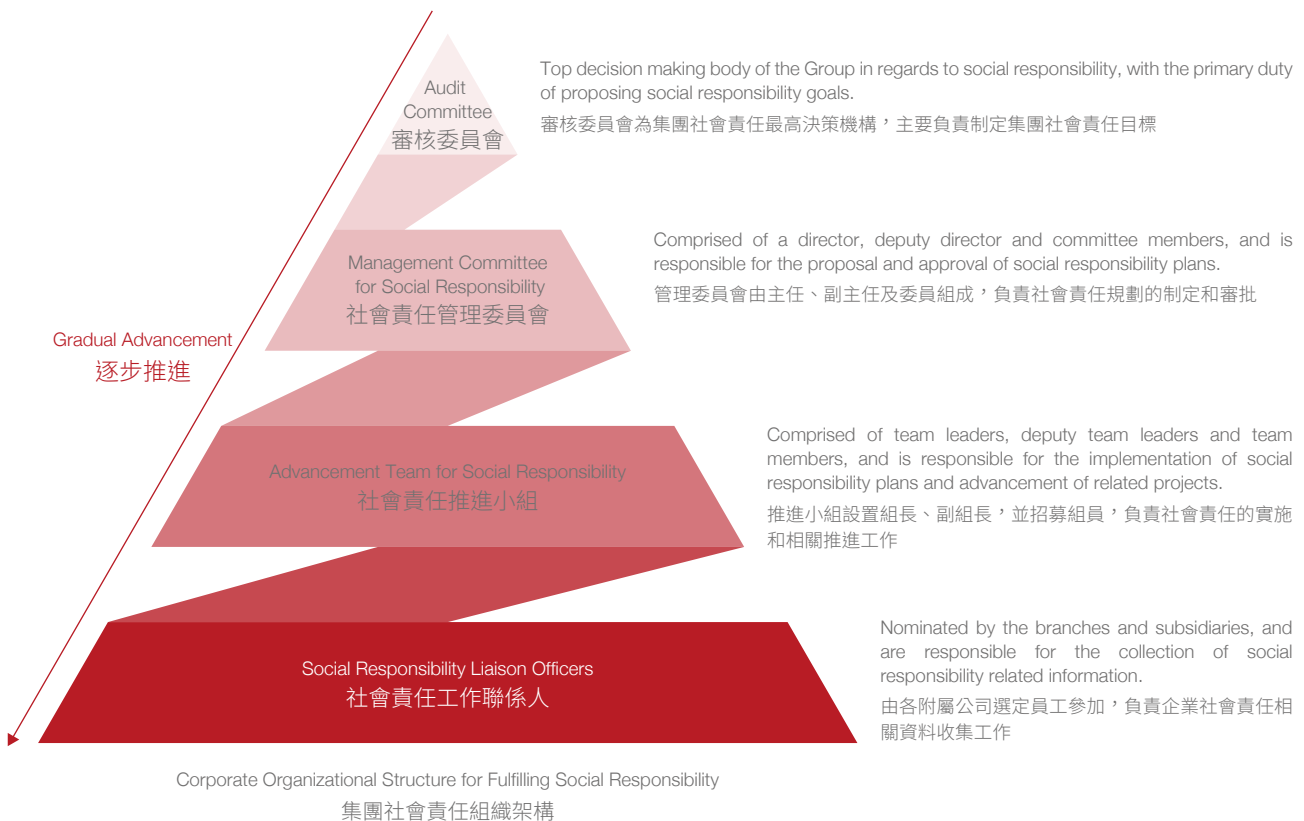
集團積極履行企業社會責任，並將社會責任管理納入日常管理和業務中，致力在自身發展中努力履行經濟、環境和社會責任。

Corporate Organizational Structure for Fulfilling Social Responsibility

The Group has been improving its corporate organization for fulfilling its corporate social responsibility implementing a "four-tiered approach" to corporate social responsibility work units and driving the orderly performance of its corporate social responsibility from all angles.

社會責任組織架構

集團健全社會責任組織架構，形成「四級聯動」社會責任推進格局，全方位推動社會責任工作有序開展。



Major Aspects of the Fulfilment of Corporate Social Responsibility

Taking sustainable development as the key goal for business development, the Group has responded to the demands of stakeholders, established a good corporate image and promoted a steady advancement of the Group's business through the provision of high-quality products and one-stop convenient services, creation of a supply chain for mutual benefit and win-win cooperation, social and charitable activities, environmental protection, employee care and other actions.

社會責任主要行動領域

集團將可持續發展作為公司經營發展的重要目標，通過提供高質量產品、一站式便捷服務、構建互利共贏供應鏈、開展社會公益活動、保護社會生態環境、關愛集團員工等行動，回應利益相關方訴求，樹立良好企業形象，促進集團事業穩步前進。

Communication for Corporate Social Responsibility

The Group attaches great importance to communication with its stakeholders. It has established a mechanism for regular communication to understand the demands of different stakeholders through multiple channels and methods to offer important reference information for the sustainable development of the Group.

責任溝通

集團重視與利益相關方的溝通交流，建立常態化溝通機制，多渠道、多形式了解不同利益相關方訴求，為集團實現可持續發展提供重要參考。

Communication with Stakeholders

利益相關方溝通

Stakeholders 利益相關方	Expectations and Demands 期望與要求	Communication and Feedback Methods 溝通與回應方式
Employees 員工	Protection of legitimate rights and interests 保障合法權益	Diversified and equal employment, improvement of the remuneration and benefits system 多元平等雇傭、完善薪酬福利
	Promotion of employees' growth and development 促進員工成長與發展	Streamlining of career paths 開闢暢通職業發展通道
	Caring about employee livelihoods 關愛員工生活	Caring for employees health 注重員工身心健康
Partners 合作夥伴	Establishment of a fair and transparent industrial chain 構建公平、透明產業鏈	Enhancement of supply chain management 加強供應鏈管理
	Win-win cooperation 合作共贏	Implementation of technical exchange and cooperation 開展技術交流與合作

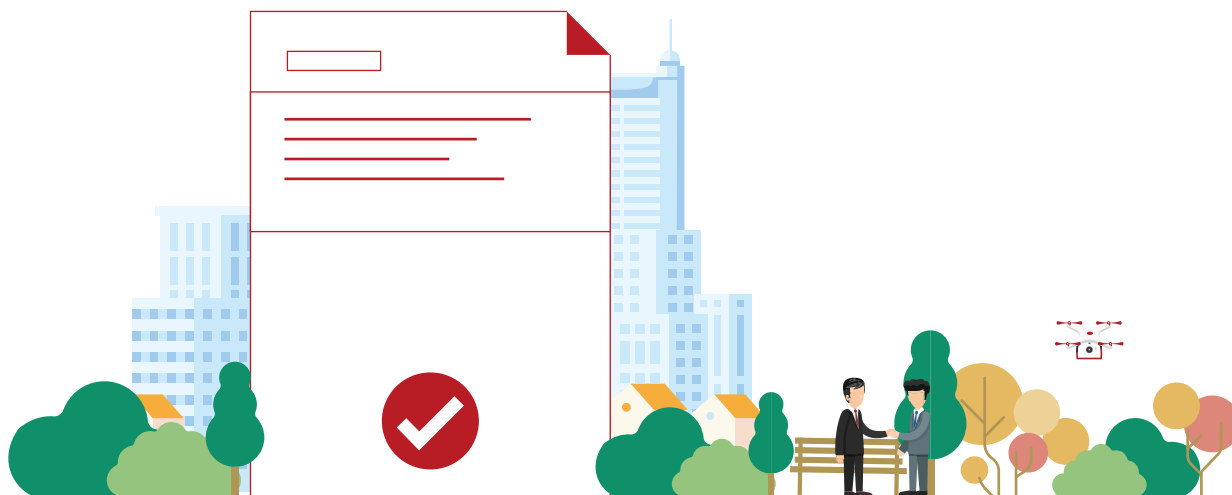
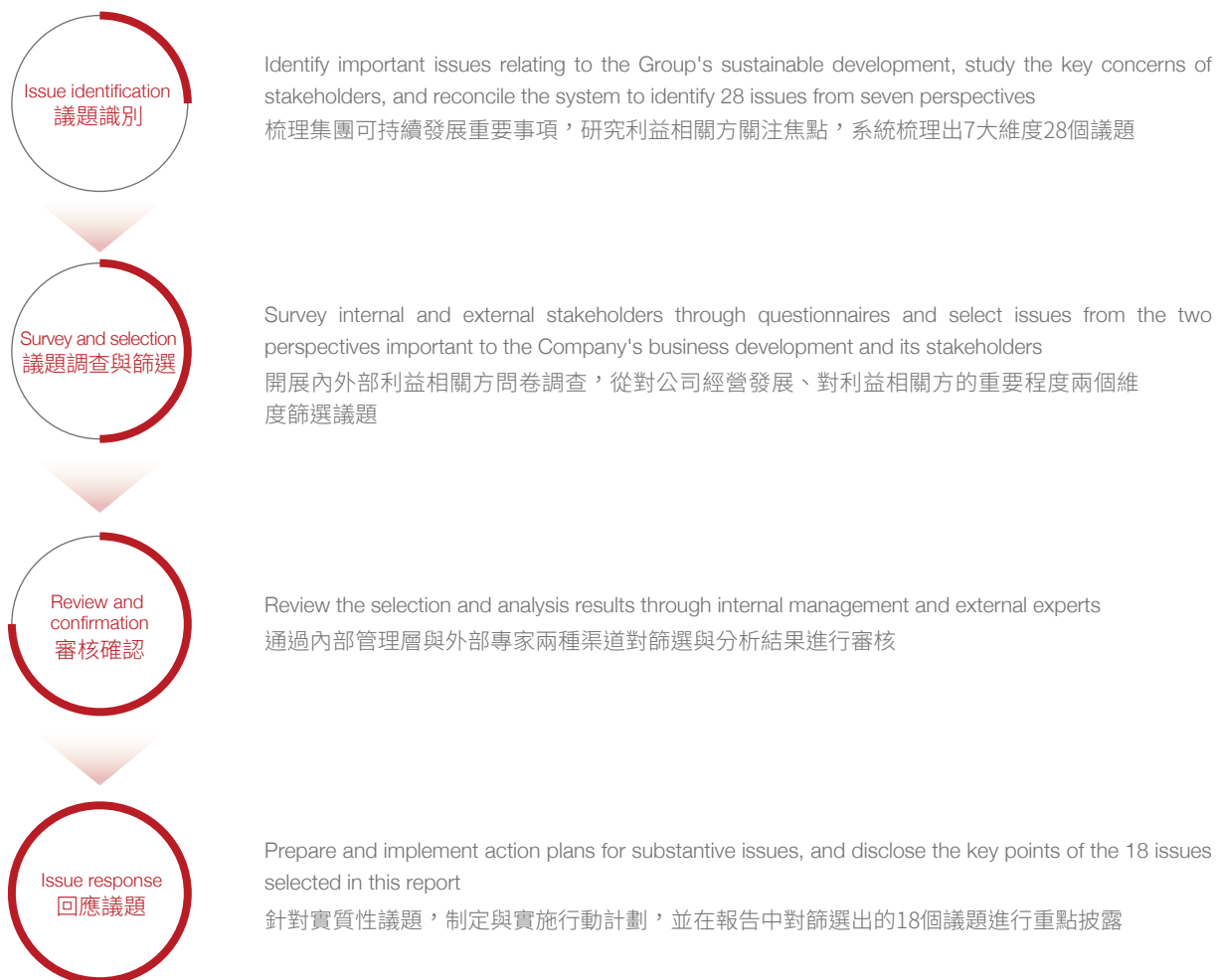
Stakeholders 利益相關方	Expectations and Demands 期望與要求	Communication and Feedback Methods 溝通與回應方式
Shareholders 股東	Returns and growth 回報與增長	Regular disclosure of business information 定時披露經營信息
	Risk control 控制風險	General meetings, investor conferences and Board meetings 股東大會、投資者會議、董事會
	Corporate governance standards 企業管治規範	Steady and solid operation in compliance with laws and regulations 依法合規穩健經營
Community 社區	Poverty alleviation 扶貧濟困	Targeted poverty alleviation 實施精準扶貧
	Promotion of community development 促進社區發展	Charitable activities 開展慈善公益活動
	Voluntary service 志願服務	Voluntary service by employees 開展員工志願活動
Customers 顧客	Product quality guarantee 保證產品質量	Strict quality management 嚴格質量管理
	Provision of quality services 提供優質服務	Improvement of products and services 完善產品服務
	Honest operation 誠信經營	Customer information security 保護客戶信息安全
Environment 環境	Energy saving and emission reduction 節能減排	Green industry development 發展綠色產業
	Environmental protection 保護生態環境	Green operation practices 踐行綠色運營
		Environmental governance reinforcement 加強環境治理
Government 政府	Operation in compliance with laws and regulations 依法合規經營	Tax compliance 依法納稅
	Support for economic, green and sustainable development 支持經濟綠色、可持續發展	Active response to national policies 積極響應國家政策

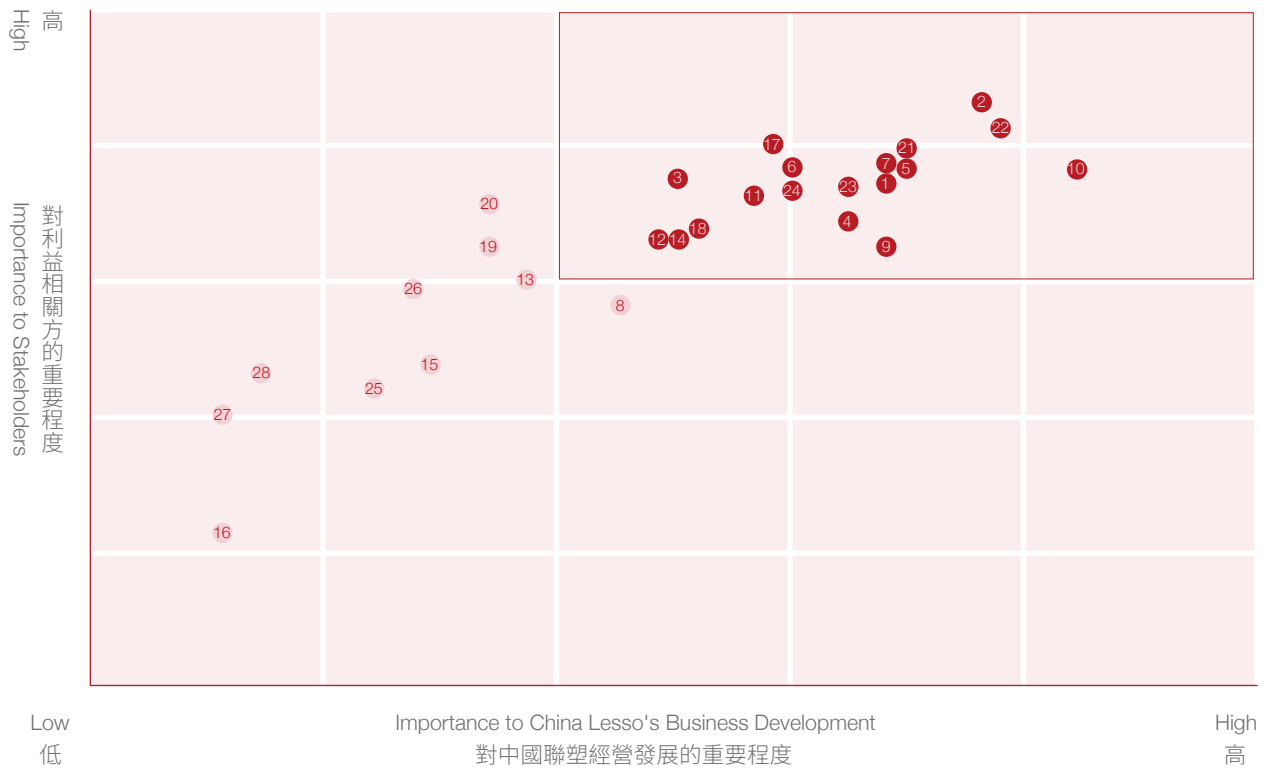
Analysis of Substantive Issues

In order to further improve the substance of this Report, the Group has surveyed internal and external stakeholders and selected substantive issues from the two perspectives of "the importance of such issues relating to China Lesso's business development" and "the importance of such issues relating to the stakeholders" and disclosed the key points thereof in this report in an effort to respond to the expectations and demands of every stakeholder.

實質性議題分析

為進一步提升報告實質性，集團廣泛開展內外部利益相關方調研，從「對中國聯塑經營發展的重要程度」和「對利益相關方的重要程度」兩個維度進行衡量，篩選出較強實質性的議題並在報告中予以重點披露，針對性地回應各利益相關方的期望與訴求。





Substantive Issues Selected 實質性議題篩選結果

Substantive Issues Identified	識別出的實質性議題
1 Sustainable development strategy and management 可持續發展策略與管理	11 Employee training and development 員工培訓與發展
2 Compliant Operations with Integrity 誠信合規經營	12 Employee care and support 員工關愛與幫扶
3 Transparent communication and operation 透明溝通運營	14 Assisting suppliers in enhancing their products 幫助供應商提升產品質量
4 Response to national policies 響應國家政策	17 Dealer credibility management 經銷商誠信管理
5 Development of green industries 發展環保產業	18 Dealer supervision 對經銷商的監督
6 Utilization efficiency of energy and resources 能源資源使用效益	21 Product quality and innovation 產品質量與創新
7 Sewage and waste emission management 污水及廢棄物管理	22 Safe production guarantee 保障安全生產
9 Equal employment and remuneration and benefit system 平等僱傭及薪酬福利	23 Provision of quality service 提供優質服務
10 Occupational health and safety 職業健康與安全	24 Customer privacy safeguarding 客戶私隱保護

Connecting with Cities to Achieve Higher Quality of Life

聯接城市 塑造品質生活

Cities are where humankind dwells, develops and remains, and they prop up residents' realization of beautiful life. Insisting on the residents-centered concept, the Group constructs the diversified product ecology, creates a cozy living environment for residents by providing excellent products and services, pilots the development of the industry by strong technological innovation capability, serves the economic and social development of cities and harbors the dreams of beautiful city living.

城市是人類生存、發展、延續的地方，是居者實現美好生活的載體。集團堅持以居者需要為中心，構建多元化的產品生態圈，以優質產品和服務為居者打造舒適的生活居住環境，以強大科技創新能力引領行業發展，服務城市經濟社會發展，承載城市美好生活夢想。



Customer satisfaction: 97.31%

客戶滿意度

97.31%



Patent applications: 389 units, establishing or participating in establishment of 65 standards

申請專利

389件，主導或參與**65**項標準



Safety education training: 34,529 trainees

安全教育培訓

34,529人次





Constructing Diversified Product Ecology

To fulfill city dwellers' aspirations for beautiful living, the Group has focused on developing products with high quality, innovation and functionality to satisfy residents' demands for exquisite living and beautiful living. Furthermore, it has played an active role in serving the economic and social development of regions, contributing to the portrait of modernization.

Serving the Lives of Residents

Guided by product value, the Group has never stopped diversifying its pipes, building materials, interior decoration products and other offerings, fulfilling residents' demands for warm, cozy and healthy living spaces, and answering their need for beautiful living with high quality products.



Pipeline Products 管道產品

Water supply pipes, drainage pipes, communication pipes, gas pipes, home decoration pipes, heating pipes, fire pipes and agricultural pipes

涵蓋給水管系列、排水管系列、通信管系列、燃氣管系列、家裝管系列、採暖管系列、消防管系列、農用管系列等



Building Materials and Home Furnishings 建材家居產業產品

Plumbing and sanitary ware, integrated home (cabinet, wardrobe), wooden doors, integrated doors and windows, water purifiers, building decorative panels and sealants

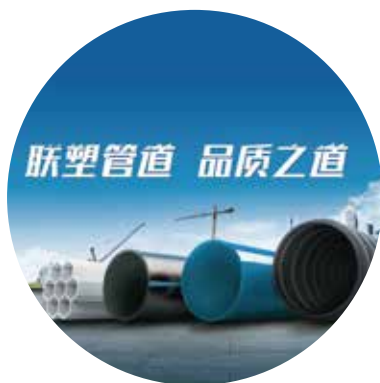
涵蓋水暖衛浴、整體家居（櫥櫃、衣櫃）、木門、整體門窗、淨水機、建築裝飾板材、密封膠



Channels and Service 渠道與服務

LESSO HOME
Technology R&D
Global sales network

領尚環球之家
科技研發
全球銷售網絡



構建多元產品生態圈

集團從城市人們對美好生活的需求出發，專注開發品質齊全、創新實用的產品，滿足居者高品質的居住和美好生活需要，並積極服務區域經濟社會發展，共同繪製現代化建設的美麗卷軸。

服務居者生活

集團以產品價值為導向，不斷豐富管道、建材家居等領域的產品類型，迎合居者擁有溫馨、舒適、健康的居住空間需求，以高品質的產品成就居者對美好生活的嚮往。

Building Green Cities

The Group actively responds to and implements national environmental protection policies. With the improvement goals of promoting ecological civilization construction, strengthening environmental protection and building green cities, the Group has been continuously exploring environmental governance solutions for municipal water supply and drainage projects, urban underground integrated piping system construction, municipal sewage and industrial wastewater treatment, black and odorous water treatment, waste gas treatment, comprehensive improvement of rural environment, ecological restoration of contaminated soil, waste and hazardous waste disposal, sponge cities and other fields, providing a complete set of solutions covering feasibility studies, environmental assessment, design, construction, operation and monitoring with the goal of becoming a one-stop environmental service provider to create a beautiful and livable ecological environment for the public, and make cities greener.

打造綠色城市

集團積極響應和落實國家環保政策，從推進生態文明建設，加強環境保護，打造綠色城市改善目標出發，持續探索市政給排水工程、城市地下綜合管廊建設、市政污水及工業廢水治理、黑臭水體治理、廢氣治理、農村環境綜合整治、污染土壤生態修復、垃圾及危廢處置、海綿城市等領域環境治理，提供從可研、環評、設計、施工、運營、監測一整套解決方案，致力成為一站式環保服務供應商，為公眾營造美麗宜居生態環境，為城市增添更多綠意。



Municipal water supply and drainage 市政給排水工程

The Group is committed to the design and construction of municipal water supply and drainage facilities. By virtue of its advantages in pipeline products, the Group provides customers with high-quality urban water supply systems, which ensures the water supply for urban residents, enterprises, transportation, commercial and firefighting departments, and provides customers with safe and reliable drainage systems to realize the diversion of rain and sewage and reduce urban pollution.

致力於市政給排水工程設計和工程建設服務，憑藉集團管道產品優勢，為客戶提供優質城市用水供給系統，保證城鎮居民、企業、交通運輸、商業以及消防等部門用水；為客戶提供安全可靠的排水系統，實現雨污分流，減少城市污染。



Water supply and drainage pipeline
給排水工程管道





Underground urban integrated piping system 城市綜合地下管廊

The Group actively participates in the construction of underground integrated piping system, providing pipeline products with high temperature resistance, good flexibility, long service life and high tolerance against breaking and aging to serve the underground "lifelines" of the city, helping to reduce the impact of underground network construction on the urban environment.

積極參與地下綜合管廊建設，為城市地下「生命線」提供耐高溫、柔性強、使用壽命長、不易斷裂和老化的管道產品，助力減少地下線網建設對城市環境的影響。



Underground integrated piping system
地下綜合管廊



Municipal sewage and industrial wastewater treatment 市政污水及工業廢水治理

The Group participates in municipal wastewater, industrial park wastewater, landfill leachate and other sewage treatment projects, providing one-stop services such as feasibility studies, environmental assessment, preliminary design, construction drawing design, construction and operation for various sewage wastewater treatment projects. It helps to solve the problem of sewage treatment by using advanced technologies such as integrated multi-stage A/O biochemical treatment technology with less land occupation and BAF technology for industrial park wastewater deep treatment.

投身市政生活污水、工業園廢水、垃圾滲濾液等污廢水處理工程領域，為各類污廢水治理項目提供可研、環評、初步設計、施工圖設計、施工及運營等一站式服務，並借助佔地少的一體化多級A/O生化處理技術、工業園廢水深度處理專用BAF技術等先進技術，助力破解污廢水處理難題。



LG Display's Wastewater Treatment Project
樂金顯示公司廢水處理工程



Wuyang-Honda Motorcycle's Wastewater Treatment Project
五羊-本田摩托公司污水處理工程



Black and odorous water treatment 黑臭水體治理

The Group provides design, construction, operation, maintenance and monitoring services for source control and sewage interception, dredging and re-oxidation, purification of black and odorous water and ecological restoration to "cut-off, direct, purify, reduce, adjust, conserve and measure" black and odorous water, restoring the freshness and limpidity of bodies of water.

為黑臭水體控源截污、清淤復氧、水質淨化、生態修復等，提供設計、施工、運營維護與監測服務，實現黑臭水體「截、引、淨、減、調、養、測」，還一方水域清新透明。



Black and odorous water before treatment
黑臭水體治理前



Black and odorous water after treatment
黑臭水體治理後



Waste gas treatment 廢氣治理

The Group is committed to the treatment of atmospheric pollutants such as boiler waste gas, industrial dust, organic waste gas and malodorous gas, and provides design and construction services for waste gas collection and treatment systems in order to reduce pollutants from exhaust emissions and protect the city's clean air.

致力於鍋爐廢氣、工業粉塵、有機廢氣、惡臭氣體等大氣污染物的治理，提供廢氣收集處理系統的設計和施工服務，減少廢氣污染物排放，守護城市潔淨空氣。



Waste gas treatment project
廢氣處理工程



Comprehensive treatment of rural environment 農村環境綜合治理

The Group is committed to the comprehensive treatment of the rural environment, and provides design and construction services in respect of rural sewage collection and treatment, garbage collection and transshipment and upgrading the appearance of villages, enabling contributions to building a beautiful countryside and creating an ecologically harmonious living environment.

致力開展農村環境綜合整治，為農村污水收集處理、垃圾收集轉運、村容村貌提升等提供設計及施工服務，助力美麗鄉村建設，打造生態和諧人居環境。



Comprehensive sewage treatment in rural area
農村污水綜合治理



Soil remediation 土壤修復

The Group provides consulting, design and construction services for pollution control and ecological restoration of various polluted soils, sites, mines and tailings ponds, improves regional soil quality and restores vegetation landscape and ecological environment.

為各種污染的土壤、場地、礦山、尾礦庫等污染治理、生態修復提供諮詢、設計和施工服務，改善區域土壤質量，恢復植被景觀和生態環境。



Garbage disposal 垃圾處置

The Group provides consulting, design and construction services for the entire urban and rural garbage disposal process, from new construction and expansion to closure of landfills, and contributes to the harmless disposal of domestic garbage.

為城鄉垃圾處置提供從填埋場新建、擴建、封場全過程的諮詢、設計、施工服務，促進生活垃圾無害化處理。



Hazardous waste disposal 危險廢物處置

According to the legal procedures of the *Administrative Measures for Hazardous Waste Transfer*, the Group collects and disposes of various hazardous and industrial wastes in Hainan, such as medical waste, waste pesticides, waste hazardous chemicals, waste mineral oil, waste organic solvents, waste acid and alkali liquid, waste batteries, electronic waste and mud.

按照《危險廢物轉移聯單管理辦法》合法程序，收集處置海南全省的醫藥廢物、廢農藥、廢危險化學品、廢礦物油、廢有機溶劑、廢酸鹼液、廢電池、電子廢物、污泥等多種危險廢物和工業廢物。



Hainan Hazardous Waste Disposal Center Plant
海南省危險廢物處置中心廠區



Sponge cities 海綿城市

Using our own innovative pipeline products and technical strengths, we provide systematic solutions in terms of design, construction general contracting and functionalization for sponge city construction, helping buildings, communities, urban green spaces and plazas in urban areas to realize the accumulation, penetration and purification of rainwater, promoting the use of rainwater resources and ecological environment protection.

Rainwater collection and reuse of buildings and communities

Uses PVC-U drain pipes to discharge rainwater from roof to ground, collect it in a gully, and flow it through the municipal drainage network including the plastic inspection wells, HDPE double-wall corrugated pipes and HDPE reinforced hollow wall winding pipes. Rainwater flows into the reservoir at the front end of the school's municipal rainwater inlet.



利用自身種類齊全的創新管道產品及技術實力，為海綿城市建設提供設計、施工總承包、功能性等系統解決方案，促進建築與小區、城市綠地與廣場實現雨水在城市區域的積存、滲透和淨化，促進雨水資源的利用和生態環境保護。

建築與小區雨水收集回用

使用PVC-U排水管將雨水從屋面流排放至地面，經地面匯集到雨水口，流經塑料檢查井、HDPE雙壁波紋管、HDPE增強中空壁纏繞管組成的市政排水管網，在學校市政雨水接入口的前端分流入蓄水池。

Rainwater Collection and Reuse Project of
Tsinghua University High School
清華大學附屬中學雨水收集回用項目

Rainwater collection and reuse of urban green spaces and squares

Running through the ground, rainwater flows from city squares and green spaces to a gully, and then flows through the municipal rainwater pipe network including plastic inspection wells and HDPE double-wall corrugated pipes. Rainwater flows into the reservoir at the front end of the municipal rainwater inlet.



城市綠地與廣場雨水收集回用

從城市廣場、綠地雨水經地面匯集到雨水口，流經塑料檢查井、HDPE雙壁波紋管組成的市政雨水管網，在市政雨水接入口的前端分流入蓄水池。

Government Pilot Project of Zhejiang Taizhou
Comprehensive Service Center
浙江台州綜合服務中心政府試點項目

Contributions to Regional Development

The Group actively responded to national strategies, and fully utilized its own products and brand advantages to serve the construction of the Xiong'an New District and participate in the construction of key projects such as the Hong Kong-Zhuhai-Macao Bridge, supporting regional development with the quality of Lesso.

促進區域發展

集團積極響應國家戰略，充分發揮自身產品和品牌優勢，服務雄安新區建設，參與港珠澳大橋等重點工程建設，以聯塑品質促進區域發展。

Linking Hong Kong, Zhuhai and Macao to shape the world's new miracle

聯結港珠澳三地，塑造世界新奇蹟

On 23 October 2018, the opening ceremony of the Hong Kong-Zhuhai-Macao Bridge was held in Zhuhai. President Xi Jinping attended the ceremony and announced the official opening of the bridge. The Hong Kong-Zhuhai-Macao Bridge, with its important historical mission, was completed and opened to traffic, which greatly shortened the travel time and distance between Hong Kong, Zhuhai and Macau. It coincides with the theme "connect the present and shape the future" of China Lesso. The quality of China Lesso products have been widely recognized by project developers, with its PE water supply pipes, PVC water supply pipes, PVC drainage pipes, Lesso Walton electrical metal casings, steel-plastic composite pipes, hot-dip galvanized steel pipes and other products used in the construction of various projects such as the Macau Port Management District project, Hong Kong-Zhuhai-Macao Bridge Security Inspection Station project and Bridge Green Belt project, so as to boost the construction of the Hong Kong-Zhuhai-Macao Bridge and make contributions to the world-famous "new miracle".



2018年10月23日，港珠澳大橋開通儀式在珠海舉行，國家主席習近平出席儀式並宣佈大橋正式開通。肩負重要歷史使命的港珠澳大橋建成通車，大幅縮短了香港、珠海和澳門三地之間的時空距離，與中國聯塑「聯繫現在，塑造未來」的主題理念不謀而合。中國聯塑的產品質量得到項目方的認可，旗下PE給水管、PVC給水管、PVC排水、聯塑華通電氣金屬套管、鋼塑複合管、熱浸鍍鋅鋼管等產品參與到「澳門口岸管理區」項目、「港珠澳大橋安檢站」項目、「大橋綠化帶」項目的建設中，助力港珠澳大橋建設，為這一備受世界矚目的「新奇蹟」貢獻一份力量。

Supporting the construction of the Xiong'an New District and promoting the development of the "Millennium Plan"

助力雄安新區建設，推動「千年大計」發展

Following the development of the Shenzhen Special Economic Zone and Shanghai Pudong New Area, another new district with national significance, the Xiong'an New District, was officially established. This project contributed to the development of the China's "Millennium Plan" and represented a significant milestone in its realization. In 2018, with its excellent product quality and strong brand strength, China Lesso successfully won the bid for the Xiong'an New District Civic Center Outer Network Materials project. Its products, including corrugated pipes, krah tubes, steel wire mesh skeleton tubes and plastic manholes were all selected for the building materials list of the Xiong'an New District, which contributed to the construction and development of the Xiong'an New District.



China Lesso contributing to construction of the Xiong'an New District
中國聯塑助力雄安新區建設

繼深圳經濟特區和上海浦東新區之後，又一具有全國意義的新區——雄安新區正式成立，這是國家「千年大計」的發展進程，具有里程碑式意義。2018年，中國聯塑憑藉卓越產品質量和雄厚品牌實力，成功中標「雄安新區市民中心外網材料」項目，旗下產品波紋管、克拉管、鋼絲網骨架管、塑料檢查井等均入選雄安新區建築材料使用名單，為雄安新區的建設貢獻一份「聯塑」力量，助力雄安新區建設發展。

Establishing Industry Quality Benchmark

The Group places emphasis on product quality management, continuously promotes safe production and constantly pursues the common improvement of its own value and customer value. With diversified and high-quality building materials and household items, it stimulates the infinite vitality of the development of the industry and drives the building materials and home furnishing industry to contribute to the quality life of residents.

Creating High-quality Products

Focusing on customer needs, the Group strengthens the construction of product quality management systems, strictly implements quality controls and anti-counterfeiting testing of products and controls product quality in every link. It is committed to providing customers with quality products and making customers' lives more comfortable.

Product Quality Management

The Group always adheres to the quality management concept of "Troika" (process, quality and character), constantly improves management systems, clarifies product quality assessment standards, implements production quality responsibility systems, strictly controls quality of every link and realizes the application of quality traceability through ERP informatization, to ensure product quality and provide consumers with decisions they can get behind.

The economic benefit of quality improvement project promotion is

RMB **25.96** million

Conducted

172 QC group activities

樹立行業品質標杆

集團注重產品質量管理，持續推進安全生產，不斷追求自身價值和客戶價值的共同提升，以多元化、高品質的建材家居用品，激發行業發展的無限活力，帶動建材家居行業為居者品質生活貢獻力量。

打造優質產品

集團以客戶需要為中心，加強產品質量管理體系建設，對產品進行嚴格地質量管控和防偽檢測，為產品質量層層把關，致力於為客戶提供優質的產品，讓客戶生活更舒適。

產品質量管理

集團始終堅持工藝-質量-品質「三駕馬車」的質量管理理念，不斷完善管理制度，明確產品質量考核標準，落實生產質量責任制，對質量的每個環節嚴格把關，並通過ERP信息化實現質量追溯的應用，確保產品質量，為消費者提供安心的選擇。

品質改進項目推廣經濟效益

0.2596億元

開展QC小組活動

172次

case
案例

Lesso Valve was recognized as the benchmark enterprise of pipe valve manufacturing and services

聯塑閥門喜獲管道閥門製造及服務標杆企業

In April 2018, at the "2018 Lv Ying Awards" for value benchmarks of the 11th China Environmental Industry Conference, Lesso Valve was awarded the "Lv Ying Award – Benchmark Enterprise of Pipe Valve Manufacturing and Services" for its high quality and excellent brand strength. Lesso Valve has always adhered to the "win with quality" approach, employing professional teams for its R&D, sales and after-sales service. Lesso Valve was the only pipe valve manufacturer at the award ceremony to win the "Lv Ying Award", which is an affirmation and recognition of its high quality product offerings.

2018年4月，在第十一屆中國環境產業大會的價值標杆「2018年綠英獎」評選活動中，聯塑閥門憑藉精工品質及在行業的卓越品牌實力，榮獲「綠英獎-管道閥門製作及服務標杆企業」殊榮。聯塑閥門一直秉承「品質取勝」之道，從研發生產到銷售和售後服務都由專業的團隊完成，這次成為唯一一家管道閥門類製造企業榮獲「綠英獎」的企業，是對聯塑閥門產品高品質的肯定和認可。



Product Quality Inspection

The Group regards product quality as the life of the company, constantly improving various production and testing systems and conducting comprehensive multi-dimensional inspection from the incoming of raw materials, product design and sample creation to production and product delivery. It relies on the three inspection system of "self-inspection, mutual inspection and sampling inspection" to control production and ensure stable product quality.

Product Anti-counterfeiting Application

The Group carries out anti-counterfeiting and anti-channel conflict on products, applying digital codes, barcodes and two-dimensional codes on products to link to the customer order information through the warehouse shipment scanning code, so as to attain anti-channel conflict and traceability management. Consumers can quickly identify the authenticity of products through traceability codes, which further secures product quality and consumer rights.

Product Recall Process

The Group has established a rigorous product recall process. For any products identified as unqualified, the Group immediately initiated the product recall process to protect consumers' health and safety with practical actions.

產品質量檢測

集團視產品質量為企業的生命，不斷完善各種生產及檢測制度，從原材料入廠、產品設計、製作樣品、生產到產品出廠進行全面立體檢測，依靠「自檢，互檢，抽檢」三檢制度對生產進行控制，確保產品質量的穩定。

產品防偽應用

集團開展產品的防偽防竄工作，在產品上設置數字碼、條形碼、二維碼等，實現通過倉庫出貨掃碼連接客戶訂單信息，做到防竄追溯管理。消費者可以通過追溯碼快速辨別產品真偽，進一步保障產品質量和消費者權益。

產品召回流程

集團建立了嚴格的產品召回流程，對於不合格產品，集團第一時間啟動產品召回程序，以實際行動保護消費者的健康和 safety。



Securing Safe Production

The Group regards safe production as the foundation of the corporation. It has firmly established the production concept of safe development, strictly abided by the requirements of laws and regulations such as *the Safe Production Law* and improved its safety management systems. In addition, it has strengthened the construction of a safe production responsibility system, consolidated the foundation of safe production and promoted safe production culture in order to create a solid safety guarantee for developing the Group into a first-class international enterprise.

保障安全生產

集團將安全生產作為企業的立足之本，牢固樹立安全發展的生產理念，嚴格遵守《安全生產法》等法律法規要求。健全安全管理體系，加強安全生產責任體系建設，鞏固安全生產基礎，弘揚安全生產文化，為集團創建一流國際企業打造堅實的安全保障。



Improve safety management 完善安全管理

- Establish the Safety Supervision Department, which is independent of the entire production system, and strictly require the department to operate in accordance with safe production requirements
- Increase investment in equipment improvement and automation, and eliminate hidden safety hazards in the production process
- 成立安全監察部，獨立於整個生產系統，嚴格要求部門按照安全生產要求操作
- 加強對設備的改良、自動化的投入，消除生產過程的安全隱患



Ensure safe production 保障安全生產

- Promote involvement of all employees, and implement safe production responsibility systems at all levels
- Formulate *the Safe Production Inspection System* to ensure the safe operation of facilities
- Establish a special equipment safety management team to actively rectify problems
- Strengthen the construction of the building complex management system to ensure the normal operation of firefighting equipment
- 全員覆蓋，層層落實安全生產責任制
- 制訂《安全生產檢查制度》，保障設施的安全運行
- 成立特種設備安全管理小組，對出現的問題點積極組織整改
- 加強樓群管理體制建設，保障消防設備的正常運行



Promote safe culture 弘揚安全文化

- Strengthen safety training and enhance employees' capabilities in response to emergency
- Implement 6SK management (organization, rectification, cleaning, clearing, literacy, safety) in workshops to create a clean and comfortable working environment
- 加大安全培訓力度，增強員工應急處置能力
- 車間貫徹6SK管理（整理、整頓、清掃、清潔、素養、安全等），營造乾淨整潔舒適的工作環境



Signed

160 safety responsibility statements

Conducted

7,895 safety hazards investigations

Organized

34,529 person-times of various safety awareness education and training

Performed

102 fire emergency drills

簽署安全責任書

160份

共排查各類安全隱患

7,895項

組織開展各類安全意識教育培訓

34,529人次

開展消防應急演練

102次

case
案例

Life First, Safe Development 生命至上，安全發展

June 2018 marked the 17th national safe production month. China Lesso actively carried out safe production month-related activities, attaching importance to safe production and safety education, which enhanced employees' safety awareness and improved employees' safety literacy. On 12 June 2018, the Yunnan subsidiary organized more than 90 employees to carry out fire emergency evacuation drills and actual early stage fire drills for firefighting. At the drill site, the safety specialist explained the precautions of the fire scenario to the on-site personnel, and demonstrated the performance and operation methods of various firefighting equipment, effectively improving the safety awareness of employees and their ability to respond to emergencies.

2018年6月是全國第17個安全生產月，中國聯塑積極開展安全生產月相關活動，重視安全生產和安全教育，增強員工安全意識，提升員工安全素養。2018年6月12日，雲南附屬公司組織90餘名員工開展突發火災緊急疏散演練和撲救初期火災情況實戰演習。在演練現場，安全專員向在場人員講解火災現場注意事項，並演示了各類消防器材的性能和操作方法，有效提升了員工的安全意識和應對突發事件的反應能力。



Safety specialist explaining the precautions of the fire scenario
安全專員講解火災現場注意事項

Providing Quality and Convenient Service

Upholding the customer-focused operation policy of "Customer Satisfaction First", the Group builds innovative service models and continuously improves its one-stop service processes, in turn enhancing service quality and improving the customer service experience.

One-stop Service Provision

The Group optimizes its service methods, sets up professional service teams and perfects one-stop service processes before, during and after the sales process. It also enriches service coverage, handles feedback in a timely manner and processes customer opinions to solve problems for customers with ingenuity.

提供優質便捷服務

集團始終堅持「以客戶滿意為宗旨」的經營方針，以客戶為中心，創新服務模式，持續完善一站式服務流程，提升服務品質，改善客戶服務體驗。

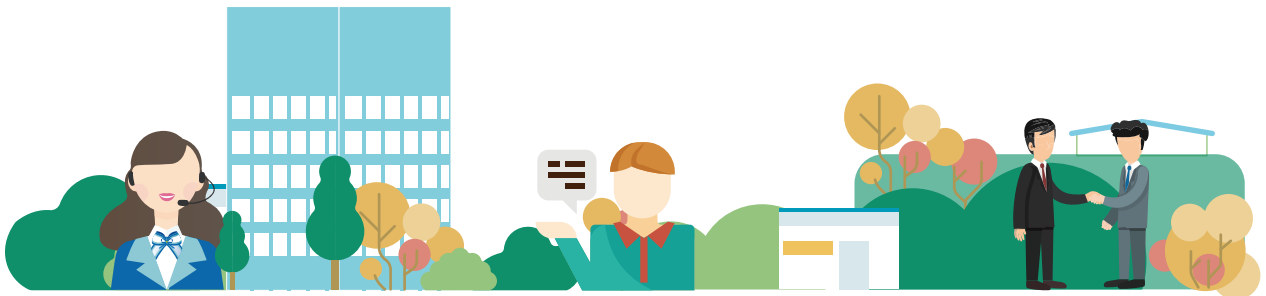
提供一站式服務

集團優化服務方式，組建專業服務團隊，完善售前、售中及售後一站式服務流程，豐富服務內容，及時反饋和處理客戶意見，以匠心精神為客戶排憂解難。

Full-process service procedures



全過程服務流程



Expanding Sales Channels

With the concept of cooperation, win-win, intelligence and internationalization, the Group has built a global O2O sales platform – Lesso Home, shifting from a single offline sales network to a combined online-offline network. The online platform displays products to customers worldwide through the Internet, while offline physical stores provide customers with product experiences and services and continuously strengthen the development and management of offline sales networks, leaving customers with diverse experiences and services.

拓展銷售渠道

集團以合作、共贏、智能、國際化的理念，打造全球O2O銷售平台—領尚環球之家，從單一的線下網絡銷售轉變為線上線下相結合，網上平台通過網絡向全球客戶展示產品，線下實體商城為客戶提供產品體驗及服務，同時不斷加強線下各級銷售網絡開發和管理，為客戶提供多元體驗和服務。

Safeguarding Customer Rights and Interests

The Group provides products and services according to laws and regulations and identifies, understands and satisfies customer needs in a timely manner. It lays emphasis on protecting customers' legal rights and information security, and continuously improves service quality and customer satisfaction. In 2018, customer satisfaction for the Company reached 97.31%.

保障客戶權益

集團堅持依法合規提供產品和服務，及時識別、了解和滿足客戶需要，注重保護客戶的合法權益和信息安全，不斷提升服務質量和客戶滿意度。2018年，客戶滿意度達97.31%。

Responsible Marketing

The Group has formulated *the Advertising Resources Management Measures* to unify the application specifications of advertising, label use and marketing activities, and insists on conforming product labeling and advertisement with the requirements of laws, regulations, rules and other regulatory documents, in order to ensure the authenticity and reliability of product promotion to achieve responsible marketing.

負責任營銷

集團制定《廣告資源管理辦法》，統一廣告宣傳、標籤使用、營銷活動的應用規範，堅持產品標籤和廣告宣傳符合法律、法規、規章及其他規範性文件要求，確保產品宣傳的真實性、可靠性，實現負責任的營銷。



Customer Feedback

The Group listens to customers' voices via telephone, WeChat, email, fax and corporate communication (cc), and timely conveys customer feedback to relevant departments, and continuously follows up feedback until the customer is satisfied. In 2018, the Group received 18 valid complaints about products or services, and the customer complaint response rate was 100%.

客戶意見反饋

集團通過電話、微信、郵箱、傳真及企業溝通平台CC等渠道傾聽客戶聲音，及時將客戶反饋意見傳達到相關部門，並作持續的跟進反饋，直至客戶滿意。2018年，集團接獲關於產品或服務的有效投訴18宗，客戶投訴回覆率100%。



Protecting Customer Privacy

The Group attaches great importance to customer privacy and information security, strengthens customer information management and guards against customer privacy leakage risks with strict and standardized processes and operational procedures to ensure customer privacy. There were no complaints arising from the disclosure of customer privacy in 2018.

客戶私隱保護

集團重視客戶的私隱和信息安全，加強客戶的信息管理，以嚴格規範的流程和操作程序防範客戶私隱洩露風險，切實保障客戶私隱。全年未發生因洩露客戶私隱引起的投訴事件。



Building Competitiveness through Technological Innovation

Innovation is a powerful engine for promoting social progress and enterprise development. The Group comprehensively implements the strategy of innovation-driven development by strengthening the construction of science and technology innovation systems and promoting the rapid transformation and implementation of scientific and technological achievements. It stands at the forefront of industry development with its own innovation vitality, so as to jointly contribute to the high-quality living environment of residents. In 2018, the Group invested a total of RMB 758.28 million in research and development and technological innovation.

Forging Innovation Ability

The Group continues to improve its science and technology innovation management systems. To this end, it has set up the Guangdong Enterprise Key Laboratory, re-revised *the New Product Development Management Measures* and standardized R&D process management. Further, it also accelerates the cultivation of innovative talents, efficiently allocates internal and external innovation resources and gives full play to the all-around support of technological innovation throughout the Company.

Improve innovation management 完善創新管理

Improve scientific research management systems, implement an integrated management system and improve the system management proficiency of each department.

完善科研管理制度，實施一體化管理體系，提升各部門的體系管理水平



打造科技創新競爭力

創新是推動社會進步、企業發展的強大引擎。集團全面貫徹創新推動發展戰略，加強科技創新體系建設，推進科技成果快速轉化實施，以自身的創新活力引領行業發展，共同為居者的優質居住環境作出貢獻。2018年，集團科研開發和技術創新總投入7.5828億元。

鍛造創新能力

集團持續完善科技創新管理體系，成立廣東省企業重點實驗室，重新修訂《新產品開發管理辦法》，規範研發流程管理，加速創新人才培養，高效配置內外部創新資源，充分發揮科技創新對公司的全方位支撐作用。

Build an innovation platform 搭建創新平台

Approved the only "Guangdong Provincial Key Laboratory of Plastic Forming and Processing Technology Enterprises" in Guangdong to achieve breakthroughs in key government laboratories.

獲批廣東省唯一的一家「廣東省塑料成型加工技術企業重點實驗室」，實現在政府重點實驗室方面的突破

Transformation of Innovation Results

The Group accelerated the transformation of innovation achievements, focusing on the continuous research and development of sponge cities, underground piping system, fresh air systems, water platforms and marine cage culture projects. It strives to expand product development areas, continuously improves its level of patent protection for independent innovation achievements and boosts economic efficiency through technological innovation. In 2018, the Group won four provincial and ministerial-level science and technology awards, including the Guangdong Science and Technology Advancement Award, China National Light Industry Council Science and Technology Advancement Award and two Guangdong Light Industrial Association Science and Technology Advancement Awards.

創新成果轉化

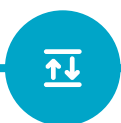
集團加快創新成果轉化，重點對海綿城市、地下管廊、新風系統、水上平台及海洋網箱養殖等項目持續研發，擴展產品開發領域，並不斷提高自主創新成果專利保護水平，以科技創新促進經濟效益提升。2018年，集團獲得省部級以上科學技術獎項共4項，其中包括廣東省科技進步獎1項，中國輕工業聯合會科學技術進步獎1項，廣東省輕工業聯合會科學技術進步獎2項。



Sponge City 海綿城市

Provides solutions including the overall design, construction and rainwater engineering for sponge cities, and realizes the urban development methods of natural storage, natural penetration and natural purification.

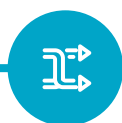
提供海綿城市整體設計、施工、雨水工程措施解決方案，實現自然積存、自然滲透、自然淨化的城市發展方式



Underground Piping System 地下管廊

Committed to the research and development of integrated piping system and achieving lead-free PVC-U water supply and drainage pipeline systems to enhance eco-friendliness; participated in the formulation of the *Guangdong Province Integrated Piping System Technical Specifications standards*, promoting the construction of integrated piping system.

致力綜合管廊管道的研發，實現 PVC-U 給水、排水管道系統的無鉛化，更加環保；參與《廣東省綜合管廊技術規範》標準制訂，推動綜合管廊的建設



Ventilation System 新風系統

Focuses on the exploration and research of special pipelines to improve pipeline products of ventilation system, which provide sufficient fresh air to homes, and create a "healthy, comfortable and safe" indoor environment for residents.

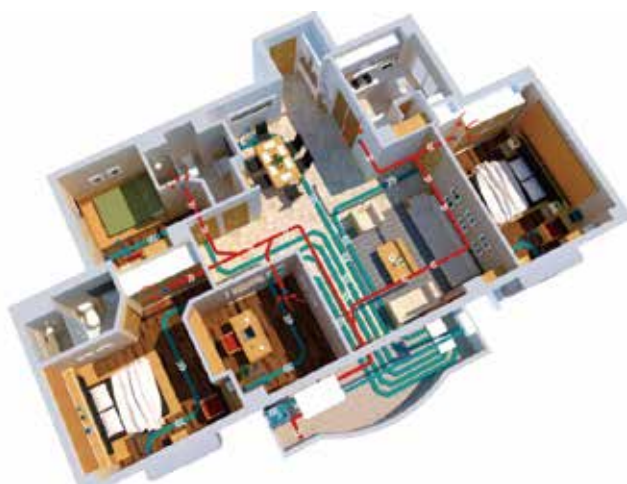
專注於新風系統專用管道的探索研究，完善新風系統管道類產品，為住宅提供足量新鮮潔淨空氣，為居者創造出「健康、舒適、安全」的室內環境



Floating Platform and Offshore Aquaculture 水上平台及海洋網箱養殖

Significant progress has been made in steel-plastic water platforms and float systems (full-plastic abalone and sea cucumber culture cages) to provide solutions for green cultivation.

在鋼塑水上平台及浮球系統（全塑鮑魚海參養殖網箱）方面取得了重大進展，為綠色養殖提供解決方案



Fresh air special pipeline transmission and distribution system schematic diagram
新風專用管道輸配系統示意圖

In 2018, the Group applied for

389 patents and was granted **154** patents

Applied for

136 invention patents and was granted **18** invention patents

Applied for

242 utility model patents and was granted **129** utility model patents

Applied for

11 appearance patents and was granted **7** appearance patents

2018年，集團申請專利

389件，授權專利**154**件

申請發明專利

136件，授權發明專利**18**件

申請實用新型專利

242件，授權實用新型專利**129**件

申請外觀專利

11件，授權外觀專利**7**件

Leading Industry Development

The Group promotes the application of advanced technology achievements, participates in the formulation of various national and industry standards, shares experiences with the industry to lead industry innovation and provides comprehensive technical and practical support for the development of the Company and wider industry. In 2018, the Group led or participated in the compilation and revision of 65 international, national, industry and association standards and national atlases. Among them, eight national and industry standards have been issued and implemented.

引領行業發展

集團推廣先進技術成果應用，參與多項國家和行業標準的制定，與行業共享經驗，引領行業創新，為公司和行業發展提供全面技術和實踐支持。2018年，集團共主導或參與65項國際、國家、行業、協會標準及國家圖集等的編製修訂工作，其中有8項國家、行業標準已發佈實施。

case 案例

Lesso independently hosts urban water supply and drainage standardized construction and product and technology seminar

聯塑獨立承辦城鎮給排水標準化建設及產品、技術研討會

On 11 October 2018, China Lesso independently hosted the 2018 urban water supply and drainage standardized construction and product and technology seminar in Shunde, Guangdong. Participants gave special presentations on topics such as "The status of China's municipal water supply and the application of new technologies", "Urban and suburban sewage treatment processes and new technology applications", "Urban black and odorous water treatment" and "Smart pipe network and smart water affairs". At the seminar, China Lesso actively offered advice and suggestions to further promote the standardization of urban water supply and drainage.

2018年10月11日，中國聯塑獨立承辦的2018年城鎮給排水標準化建設及產品、技術研討會在廣東順德隆重舉行。與會代表們就「中國市政給水的現狀和新技術的應用」、「城鄉生活污水處理工藝及新技術應用」、「城市黑臭水體整治」、「智慧管網和智慧水務」等作了專題報告，中國聯塑在研討會中積極獻言獻策，共同推動城鎮給排水標準化建設更上一層樓。



case 案例

Lesso hosts annual meeting of the steel and plastic pipe industry, fully affirming its industry position

聯塑承辦鋼塑管行業年會，行業地位獲肯定

In November 2018, the annual meeting of the steel-plastic pipe industry was successfully held, hosted by Zhongshan Lesso Walton Coating Steel Plastic Pipe Co., Ltd. As the primary manufacturer of steel-plastic pipes in South China, Lesso Walton established Zhongshan Engineering Technology Research and Development Center by virtue of the strong scientific research strength of China Lesso, and participated in the formulation and revision of industry standards. Its leading position in the steel-plastic pipe industry was affirmed by Hua Mingjiu, deputy secretary-general of the China Construction Metal Structure Association. In the future, Lesso Walton will continue to increase investment in innovation and research and development, maintain its leading position in the industry, and contribute more to the construction of the steel and plastic pipe industry.

2018年11月，2018鋼塑管行業年會順利召開，這次行業年會由中山聯塑華通鋼塑管有限公司承辦。聯塑華通作為華南地區鋼塑管生產主要廠家，依託中國聯塑強大的科研實力，建立了中山市工程技術研究開發中心，同時參與行業標準的編製和修訂，其在鋼塑管行業的領先地位得到了中國建築金屬結構協會副秘書長華明九的肯定。未來，聯塑華通將繼續加大創新研發投入，保持技術的行業領先地位，為鋼塑管行業建設多貢獻一份力量。

Connecting with Business Partners to Build Win-win Relationships

聯接夥伴 塑造共贏關係

The Group upholds integrity and a win-win philosophy, promotes the performance level of its partners through its own responsible practices and maintains a responsible supply chain. It builds an open and inclusive platform, actively expands cooperation areas and works with a wider range of partners to achieve win-win relationships and shape sustainable partnerships.

集團秉持誠信、共贏理念，以自身責任實踐促進合作夥伴履責水平提升，打造負責任的供應鏈，搭建開放包容平台，積極擴展合作領域，與更廣泛的夥伴攜手合作，以共贏為紐帶，共同塑造可持續發展夥伴關係。



Number of suppliers: 1,024

供應商共計
1,024家



Local procurement rate: 58%

本地化採購率
58%



Number of suppliers who received economic, social and environmental penalties in 2018: 0

全年供應商受到經濟、社會、環境方面處罰數量
0家





Creating a Responsible Supply Chain

Qualified suppliers and distributors are important role players for ensuring the product quality and image of the Group. By strengthening supplier responsibility management and developing distributor training, the Group helps suppliers and distributors enhance their ability to perform their duties and achieve win-win development of upstream and downstream enterprises along the supply chain.

打造責任供應鏈

合格的供應商、經銷商是保證集團產品質量與形象的重要載體。集團通過加強供應商履責管理、開展經銷商培訓等，助力供應商、經銷商提升履責能力，實現供應鏈上下游企業的共贏發展。

Total number of suppliers

1,024

Local procurement rate

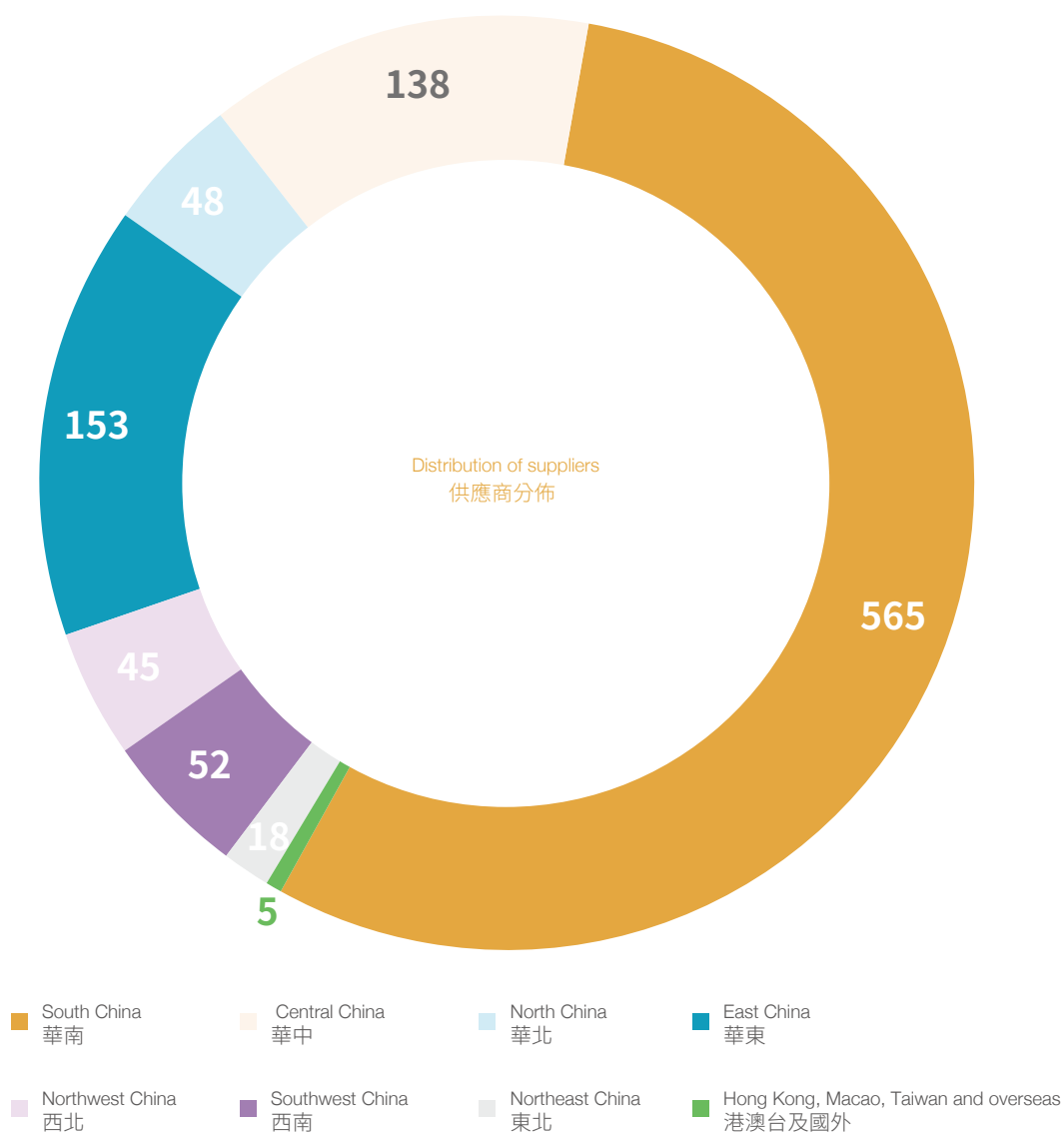
58%

供應商共計

1,024家

本地化採購率

58%

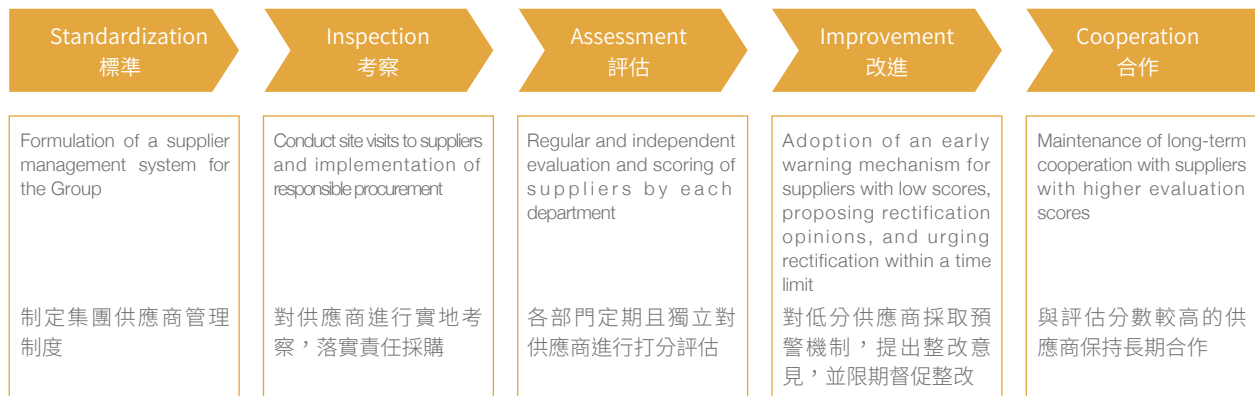


Strengthening Supplier Management

The Group has formulated the *Supplier Management Measures* to provide systematic management and professional support, promote the common growth and coordinated development of suppliers and create greater value with supply chain enterprises in a broader development space. In 2018, 90% of suppliers were picked out according to ISO 9000 quality standards, ISO 14000 environmental standards and ISO 18000 occupational health and safety standards of the Group.

加強供應商管理

集團制定《供應商管理辦法》，以體系化管理和專業化支持，帶動供應商共同成長、協同發展，與供應鏈企業在更廣闊的發展空間共創更大價值。2018年，集團用ISO 9000質量標準、ISO 14000環境標準、ISO 18000職業健康安全標準篩選供應商的比例均達90%。



Improving Supply Chain Responsibility

The Group conducts technical exchanges for suppliers to help them improve their processes and promote mutual growth. In terms of improving the abilities of distributors, we provide training services through launching the "Lesso Customer School" and organizing in-person trainings to help distributors improve their competitiveness.

提升供應鏈履責能力

集團開展針對供應商的技術交流溝通活動，助力供應商改進工藝，共同成長。在經銷商能力提升方面，通過開辦「聯塑客戶學堂」、組織線下培訓等為經銷商提供培訓服務，助力經銷商提升競爭力。

case 案例

Founding a Lesso Customer School to provide training services for distributors 創辦聯塑客戶學堂，為經銷商提供培訓服務

In an effort to help distributors grow, in 2018, China Lesso introduced an external learning platform and established the Lesso Customer School to provide free training services, including product and construction knowledge, laws and regulations, management and team building, office software, marketing skills and other topics to all channel distributors of the Group. These efforts have allowed distributors to acquire important knowledge efficiently and quickly. In addition to learning, distributors can also use the Lesso Customer School to solve staff training problems.

The Lesso Customer School was officially launched on 23 November 2018. At the end of 2018, it had more than 1,000 visitors, and the average daily number of visitors is 60 to 70. The school has been widely praised by distributors.

為助力經銷商成長，2018年中國聯塑引入外部學習平台，創建聯塑客戶學堂，免費向全集團管道經銷商提供包括產品與施工知識、法律法規、管理與團隊建設、辦公軟件、市場營銷技巧等主題培訓服務，幫助經銷商高效、快捷掌握工作所必備的知識。在學習之餘，經銷商亦可借助聯塑客戶學堂解決員工培訓問題。

聯塑客戶學堂自2018年11月23日正式推出至2018年底，累計瀏覽量超過1,000人次，每日平均活躍人數保持在60至70人，受到經銷商的廣泛好評。



Building a Win-Win Industry Circle

The Group continuously expands its cooperation and communication channels with an open and inclusive attitude, and establishes harmonious and productive relationships with its partners. Through complementary advantages, Lesso and its partners can jointly address development challenges and build a win-win ecosystem.

Advancing with the Industry

Work together with upstream and downstream suppliers to develop respective advantages and achieve mutually beneficial development.

構建共贏產業圈

集團以開放包容的姿態不斷拓展合作交流渠道，與合作夥伴建立和諧互動的良性關係，優勢互補，共同應對發展挑戰，構建共贏生態圈。

與行業共進步

與供應商上下游企業攜手合作，發揮各自優勢，實現互惠互利發展。



We have developed extensive cooperation with Xinjiang Zhongtai Chemical Co., Ltd. in the downstream application of PVC, modern trade, international cooperation and other fields, contributing to the development of the national "Belt and Road" strategy and the "Made in China 2025" plan.

與新疆中泰化學股份有限公司在PVC下游應用、現代貿易、國際合作等領域開展廣泛合作，為國家「一帶一路」倡議與「中國製造2025」規劃發展貢獻力量。

We have established a strategic cooperation with Yango Group Co., Ltd. on plastic piping system and interior doors to pursue win-win outcomes with quality products and services.

與陽光城集團股份有限公司就塑料管道系統和室內門達成戰略合作，以優質的產品和品質服務，探索合作共贏之路。



We carried out strategic cooperation with Times China Holdings Co., Ltd. to leverage respective advantageous resources to achieve mutual benefit.

與時代中國控股有限公司開展戰略合作，發揮各自優勢資源，實現互惠共贏。

Growing with Colleges and Universities

The Group cooperates with universities to run its school and efficiently integrates high-quality resources to achieve a win-win situation for both universities and enterprises and promote the transformation of scientific and technological achievements.

與高等院校共同成長

與高等院校合作辦學，高效整合優質資源，實現校企雙方共贏，推動科技成果轉化。



The Group has partnered up with Longjiang Vocational and Technology School to run the Lesso Customer School so as to promote the reform and development of vocational and technical education and train highly skilled talents for enterprises.

集團與龍江職業技術學校合作辦學，促進職業技術教育改革和發展，為企業培養緊缺型高技能人才。



Lesso Factoring and Guangdong University of Finance and other seven leading industry enterprises jointly built the School of Factoring and Supply Chain Finance Industry to foster high-quality practical and innovative talents by way of enterprise-university integration and provide intellectual support for government decision-making and industry development.

聯塑保理與廣東金融學院等七家行業龍頭企業共建保理與供應鏈金融產業學院，以產學融合的方式培養高素質應用型、創新型人才，為政府決策和行業發展提供智能技術支持。



Connecting with the Natural World to Build Green Homes

聯接綠色 塑造生態家園

Climate change has gradually become an environmental issue of widespread global concern. By gradually improving environmental management, practicing green operations, improving the utilization efficiency of energy resources, and strictly managing waste discharge during production and operation, the Group has actively passed on the concept of green development to the public, and leveraged green operations to forge a green development roadmap where enterprises and the environment are in harmony with each other, in order to build eco-friendly homes and facilitate the construction of a beautiful China.

氣候變化已逐步成為全球廣泛關注的環境問題。集團逐步完善環境管理，踐行綠色運營，提升能源資源使用效益，嚴格管理生產經營過程中的廢物排放，積極將綠色發展理念傳遞給公眾，以綠色運營構建企業與環境和諧共生的綠色之路，塑造美麗生態家園，助力建設美麗中國。



25.82 million kWh of PV power generated in 2018

全年光伏發電量
2,582萬千瓦時



3,774,100 tons of water resources recycled in 2018

全年循環利用水量
377.41萬噸



10,115.88 tons of waste recycled in 2018, including plastics, engine oil, oil barrels and tinsplate cans

全年回收塑料、機油、油桶、鐵罐等廢棄物
10,115.88噸



“六·五”環境日

美麗中國



Perfecting Environmental Management

A sound environmental management system is a solid foundation and favorable guarantee for carrying out environmental protection. While strictly adhering to the *Environmental Protection Law* and other relevant laws and regulations, the Group has gradually implemented the Quality, Environment and Occupational Health (QEO) certification model across the entire group and its subsidiaries to ensure that the Group's environmental management is scientific and effective. By the end of 2018, 25 subsidiaries of the Group had passed the QEO certification.



完善環境管理

完善的環境管理體系是開展環境保護工作的堅實基礎與有利保障。集團嚴格按照《中華人民共和國環境保護法》等法律法規要求，逐步推進集團及附屬公司的質量、環境及職業健康安全管理体系（QEO）一體化認證，保證集團環境管理科學、有效。截至 2018 年底，集團共有 25 家附屬公司通過 QEO 體系認證。

Greenification of Operations

As a manufacturing-oriented company, the Group places importance on improving the utilization efficiency of energy resources and developing and using clean renewable energy to reduce greenhouse gas emissions. For waste water, waste gases, noise pollution and hazardous and non-hazardous wastes generated during operation, the Group has tapped its potential in energy conservation and emission reduction through water recycling and harmless treatment of wastes, and strived to minimize environmental impact. In 2018, the Group's greenhouse gas emissions totaled 574,386.08 tons.

綠色融入運營

作為生產製造型企業，集團注重提升能源資源使用效益，開發使用清潔可再生能源，減少溫室氣體排放。針對營運中的廢水、廢氣、噪音及有害、無害廢棄物等，集團通過水資源循環利用、廢棄物無害處理等方式，挖掘節能減排潛力，努力將環境影響降至最低。2018 年，集團溫室氣體排放量 574,386.08 噸。

Energy Efficiency Management

Greenhouse gases are mainly derived from the consumption of fossil fuels. In accordance with the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution*, *Law of the People's Republic of China on Energy Conservation*, *Law of the People's Republic of China on the Promotion of Clean Production* and other relevant laws and regulations, the Group has managed the electricity, diesel, gasoline, natural gas and lubricants consumed during operations and raised the proportion of renewable energies used, thereby cutting greenhouse gas emissions.

能效管理

溫室氣體主要來自化石能源消耗。集團根據《中華人民共和國大氣污染防治法》、《中華人民共和國節約能源法》、《中華人民共和國清潔生產法》等相關法律法規要求，對運營過程中的電能、柴油、汽油、天然氣及潤滑油等進行管理，提升可再生能源使用比例，減少溫室氣體排放。



Electricity conservation 節約電能

The declaration of the second-batch project on energy consumption improvement of motors was completed, and a total of 521 motors were modified or replaced, which is expected to save 9,603,300 kWh of electricity per year;

完成第二批電機能耗提升項目申報，共對 521 台電機進行改造、更換，預計每年可節約電量 960.33 萬千瓦時。



Fuel conservation 節約燃油

25 new light-weight forklifts with outstanding performance were put into use, gradually phasing out old forklifts, resulting in a drop in fuel consumption of roughly 0.6 liter per hour;

引進 25 台重量輕、性能好的新叉車，逐步淘汰老舊叉車，每小時約減少油耗 0.6 升。



Solar energy development 開發太陽能

The photovoltaic projects of the Hainan and Maoming subsidiaries were connected to the grid for power generation. By the end of 2018, the installed capacity of the Group's distributed solar power generating units was 26.45 MW.

完成海南附屬公司及茂名附屬公司光伏項目併網發電。截至 2018 年底，集團分散式太陽能光伏發電裝機容量 26.45 兆瓦。



Solar PV Panels on the Roofs of Plants
廠區屋頂太陽能光伏板

2016-2018 PV Project Power Generation and Income from Electricity Savings of the Group
2016-2018年集團光伏發電量及電費收益

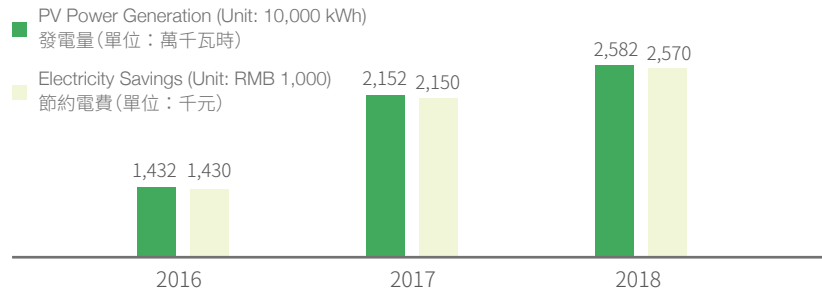


Table 1: Energy Consumption in 2016-2018
表1：2016-2018年能源消耗量

Type of Energy 能源種類	Electricity/10,000 kWh 電能/萬千瓦時	Diesel/Ton 柴油/噸	Gasoline/Ton 汽油/噸	Natural Gas/10,000 m³ 天然氣/萬立方米	Lubricating Oil/ Ton 潤滑油/噸
2016	77,051.00	662.00	631.00	496.00	1,622.00
2017	83,916.55	2,403.09	485.13	358.15	190.37
2018	98,759.51	1,826.64	634.05	499.38	105.82

Table 2: Greenhouse Gas Emissions in 2018
表2：2018年溫室氣體排放量

Type of Greenhouse Gas 溫室氣體類型	Nitrous Oxide/Tons of CO ₂ e 氧化亞氮/噸二氧化碳當量	Carbon Dioxide/Tons of CO ₂ e 二氧化碳/噸二氧化碳當量	Methane/Tons of CO ₂ e 甲烷/噸二氧化碳當量
Emission 排放量	319.26	574,062.61	4.21

Note: The statistical scope of greenhouse gas emissions in 2018 covers Category 1 and Category 2. Category 1 measures direct greenhouse gas emissions from operations owned or controlled by the Group; and Category 2 measures indirect greenhouse gas emissions caused by the Group's purchased electricity.

註：2018年溫室氣體排放量統計範圍涵蓋範疇一及範疇二。範疇一包括集團擁有或控制業務導致的直接溫室氣體排放；範疇二為集團外購電力所導致的間接溫室氣體排放。

Water Resource Management

Water Conservation

Attaching importance to the conservation and protection of water resources, the Group has strengthened the recycling of production water and lowered water consumption through transforming and upgrading production equipment.

4,231,300 tons

of water was consumed by the Group in 2018

3,774,100 tons

of water was recycled by the Group in 2018

水資源管理

節約水資源

集團注重水資源的節約與保護，通過生產設備改造升級加強對生產用水的回收循環使用，減少水資源消耗。

全年集團耗水量

423.13 萬噸

全年集團循環利用水資源

377.41 萬噸

Treatment of Wastewater

With regard to the treatment of domestic sewage, the Group has employed a three-stage septic tank to treat canteen and toilet sewage and has protected collected rainwater in accordance with the *Law of the People's Republic of China on Prevention and Control of Water Pollution* and other laws and regulations.

廢水處理

在生活污水處理方面，集團遵循《中華人民共和國水污染防治法》等法律法規要求，利用三級化糞池處理食堂污水、廁所污水等，並對收集的雨水進行保護。



Canteen sewage 食堂污水

It is strictly forbidden to wash dishes with phosphorus-containing detergent or pour any residual oil or leftovers from the canteen into the sewage; domestic waste filtered from the sewage of the canteen should be treated in compliance with the *Regulations on Waste Management*.

嚴禁使用含磷洗滌劑沖洗餐具，嚴禁將食堂殘油、剩飯菜渣倒入污水管道，並按《廢棄物管理規定》處理食堂污水中過濾的生活垃圾。



Sanitary wastewater 廁所污水

The operation of toilet facilities should be regularly checked, and septic tanks should be cleaned once a year.

經常檢查廁所設備運行情況，一年處理一次化糞池。



Rainwater control 雨水控制

Rainwater collection pipes should be installed to separate rainwater from sewage; and it is strictly forbidden to stack industrial nor domestic waste in the open air to prevent the rainwater from being polluted.

設置雨水收集管道，將雨水與污水進行分離；禁止露天堆放生產和生活垃圾，防止雨水污染。

Waste Management

In strict compliance with the *Law of the People's Republic of China on Prevention and Control of Environmental Pollution by Solid Waste* and other regulations, the Group has diminished the environmental impact of waste gases, hazardous wastes and non-hazardous wastes generated during operation by cutting down on their volume and conducting harmless treatment.

廢棄物管理

集團嚴格按照《中華人民共和國固體廢棄物污染環境防治法》等法規要求，對運營過程中的廢氣、有害及無害廢棄物進行減量化、無害化處理，減少廢棄物對環境的影響。

Table 3: Amount of Recycled Waste in 2018
表3：2018年廢棄物回收量

Type of Waste 廢棄物種類	Plastics/Ton 塑料/噸	Used Oil/Ton 廢機油/噸	Used Oil Barrels/Ton 廢油桶/噸	Used Tinplate Cans/Ton 廢鐵罐/噸
2016	33,728.88	64.78	108.86	135.44
2017	5,874.71	122.05	9.42	48.14
2018	9,942.28	33.68	34.14	105.78

Waste Gas Management

To minimize the impact of waste gas emissions on employees and the environment, the Group has adopted measures such as installing equipment and strengthening monitoring to lessen the emissions of dust and odors in workshops, exhaust of external vehicles and fumes in kitchen.

Table 4: Waste Gas Emissions in 2018
表4：2018年廢氣排放量

Type of Waste Gas 廢氣種類	NO _x	SO _x
Emission/Ton 排放量/噸	655,647.15	3,261.93

Dust: The environment-friendly dust removal system, automatic feeding system and air supply system are installed to decrease dust emissions during production.

粉塵: 投入環保除塵系統、自動供料系統及送風系統等，減少生產過程中的粉塵排放。

Odor: The UV photo-oxidation equipment is configured to effectively control VOCs exhaust; and the impact of odors on the environment and employees is controlled by adding exhaust gas filtering devices and ventilation devices, providing isolated closed control rooms, and wearing respirators.

氣味: 投入UV光氧催化設備對VOCs廢氣進行有效控制；通過增設廢氣過濾裝置、通風裝置，設置隔離封閉式控制室，配戴防毒口罩等，控制氣味對環境及員工的影響。

Exhaust: The vehicle exhaust pollution is curbed by measuring, checking and treating the exhaust of external transportation vehicles.

尾氣: 通過對外來運輸車輛尾氣測量檢查排查和治理，減少汽車尾氣污染。

Kitchen fumes: The approach to collect and precipitate kitchen fumes is adopted to minimize emissions.

煙氣: 採用收集沉澱方法減少廚房煙氣排放。

廢氣管理

集團採取加裝設備、加強監測等措施減少生產車間的粉塵、氣味和外來車輛尾氣以及廚房煙氣排放，儘量降低廢氣排放對員工及環境產生的影響。



Exhaust gas treatment device in a workshop
車間廢氣處理裝置



Hazardous Waste Treatment

With regard to the treatment of hazardous wastes, the Group has strictly complied with national regulations, implementing control throughout the entire process of classification, procurement, storage, use, disposal, fixed placement and transfer to qualified third-party companies to ensure that the disposal of hazardous waste is compliant. In 2018, 984.68 tons of hazardous wastes were disposed of.

有害廢棄物處理

集團嚴格按照國家對危廢物的處理規定，從分類、採購、儲存、使用、廢棄、定點放置、移交有資質的第三方的全過程進行管控，確保危險廢棄物處理符合規定。2018年共處置有害廢棄物984.68噸。

Table 5: Treatment Methods of Hazardous Wastes

表5：有害廢棄物處理方式

Type of Hazardous Waste 有害廢棄物種類	Treatment Method 處理方式
Used mineral oil 廢礦物油類	Outsourced to recycling companies, classified storage and recycling 交回收公司、分類儲存、回收利用
Used emulsion 廢乳化液	
Printer ink and paint 油墨、塗料廢物	Outsourced to recycling companies 交回收公司回收再利用
Mercury-containing waste 含汞廢物	Outsourced to qualified waste treatment service providers 交由有資質公司處理
Waste acid, waste liquid from laboratories 廢酸、化驗室的廢液	
Waste halogenated organic solvents 廢鹵化有機溶劑	
Waste organic solvents 廢有機溶劑	
Waste chemical containers, empty cans 化學品空瓶、空罐	
Sludge 污泥	

Non-hazardous Waste Treatment

For non-hazardous wastes generated during operation, the Group has entrusted qualified recycling companies for processing or secondary processing to promote sustainable use of resources. In 2018, a total of 8,596.23 tons of non-hazardous wastes were disposed of.

無害廢棄物處理

集團將運營中的無害廢棄物交由有資質的回收公司處理或者進行二次加工使用，促進資源可持續利用。2018年，共處置無害廢棄物8,596.23噸。

Table 6: Treatment Methods of Non-hazardous Wastes

表6：無害廢棄物處理方式

Type of Non-hazardous Waste 無害廢棄物種類	Treatment Method 處理方式
Copper scraps 銅沙	Sold to recycling companies 交由回收公司
Leftover bits and pieces of copper composite strips 銅類複合帶邊角餘料	
Iron scraps, waste aluminum materials 廢鐵、鋁材	
Used plastic bags, cardboards, packing materials 廢膠袋、紙皮、包裝物	
Tin dross, pins and wires of electronic components 錫渣、電子元件管腳和導線等	
Empty bottles and empty cans for chemicals 化學品空瓶、空罐	
Waste plastics, plastics contained in non-conforming products 廢塑料、不合格品塑料	Processed as re-grind materials 作二次料處理
Domestic waste 生活垃圾	Stored by classification, packed using garbage bags and put into garbage cans with covers, sterilized regularly and delivered to the sanitation department 分類儲存，用袋裝於垃圾桶並加蓋，定期清除消毒，送交環境衛生部門

Noise Control

Pursuant to the relevant requirements of the *Emission Standard for Industrial Enterprises Noise at Boundary*, the Group has mitigated the impact of noise pollution on employees and the surrounding environment by reducing the operating noise of fan rooms and machines in production workshops and distributing labor protection appliances to employees.

噪音控制

集團按照《工業企業廠界環境噪音排放標準》相關要求，通過對生產車間的風機房、機台操作噪音進行改造、對員工發放勞保用品等，降低噪音對員工及周邊環境的影響。

Use of Packaging Materials

Packaging materials used by the Group mainly stem from the packaging of pipes and fittings. To effectively reduce the use of packaging materials and mitigate resource consumption and environmental impact, the Group has applied measures such as using automated equipment, taking a package-free strategy and recycling waste materials.

包裝材料使用

集團包裝材料主要產生於管材、管件包裝。為有效減少包裝材料使用，集團通過自動化設備應用、採取免包裝策略及廢料回收利用等手段減少包裝材料使用，降低資源消耗及環境影響。



Automatic packaging machines are used to adopt tidy and uniform packaging and reduce the use of reserved and extra-long packaging materials;

採用自動化包裝機，實現包裝袋口整齊均勻，減少預留超長包裝材料。



Package-free strategies have been adopted for PE200 water supply pipes to save packaging materials;

對PE200給水管進行免包裝，節省包裝材料。



Scraps of packaging bags are collected and recycled in a centralized manner to cut down on packaging material waste.

將包裝袋邊角料進行集中回收處理，減少包裝材料浪費。

Extending the Green Footprint

While practicing green development, the Group is committed to conveying the concept of green development and environmental protection to the public, encouraging employees to participate in green environmental protection activities and guiding the public to cultivate awareness of ecological and environmental protection so as to jointly protect the planet on which we depend.

延伸綠色足跡

集團在踐行綠色發展的同時，致力將綠色環保理念傳遞給公眾，鼓勵員工參與綠色環保活動，引導公眾培養生態環保意識，共同保護賴以生存的地球家園。

case
案例

Actions towards a Beautiful China

美麗中國，我是行動者

On 3 June 2018, the "Act towards a Beautiful China—Building a Beautiful Longjiang Starting from Loving the River", a campaign for the World Environment Day, was officially kicked off. During the event, a number of employees of China Lesso actively took part in the 3km environmental protection public welfare walk to help clean up cigarettes, plastic bags, beverage bottles and other garbage along Xinkaichong of Longjiang Town, protecting the Longjiang water environment with practical actions.

2018年6月3日，「美麗中國·我是行動者——美麗龍江·愛河做起」世界環境日宣傳活動正式揭開序幕。活動中，中國聯塑多名員工積極參與3公里環保公益徒步活動，幫助清理龍江新開涌沿途的煙頭、塑料袋、飲料瓶等垃圾，以實際行動保護龍江水環境。

Connecting with You to Build a Promising Future

聯接你我 塑造美好未來

Upholding its people-oriented philosophy, the Group regards employee growth and community development as an important part of achieving its own sustainable development, respects and safeguards employees' rights and interests, provides employees with broad development space and a comfortable working environment and carries out in-depth poverty alleviation activities to convey continuous warmth and care to the community and promote the harmonious development of society.

集團秉承以人為本的理念，將員工成長和社區發展作為實現自身可持續發展的重要組成部分，尊重並維護員工權益，為員工提供廣闊的發展空間和安心的工作環境，深入開展扶貧幫困，持續向社會傳遞溫情和關愛，促進社會和諧發展。



252,555 hours spent on employee training

員工培訓共計

252,555小時



100% physical examination rate for occupational diseases

職業病體檢率

100%



RMB 5,129,000 of donations to external parties throughout the year

全年對外捐贈

512.9萬元





Improving Employee Well-being

The Group attaches great importance to the rights and growth of employees, safeguards the basic rights and interests of employees, builds a platform for talents to grow, enriches employees' spare time, creates a harmonious and healthy working environment and strives to achieve the common growth and development of employees and the Company.

Safeguarding the Rights and Interests of Employees

The Group shows respect for labor and talents, and conscientiously implements *the Labor Law of the People's Republic of China* and other relevant laws and regulations and employment policies. We have formulated *the Guidelines on Labor Relations Management* to protect the legitimate rights and interests of employees and create a harmonious labor relationship.

Diversified Talent Structure

The Group is committed to attracting, motivating and fostering diverse and high-quality talents, and it has formed a multi-level talent echelon.

增進員工福祉

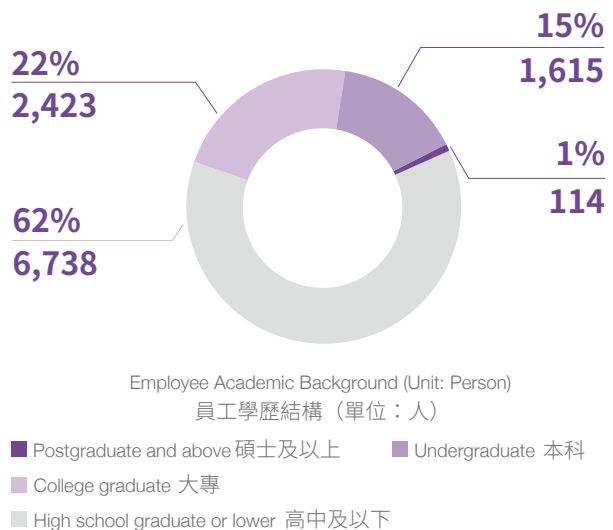
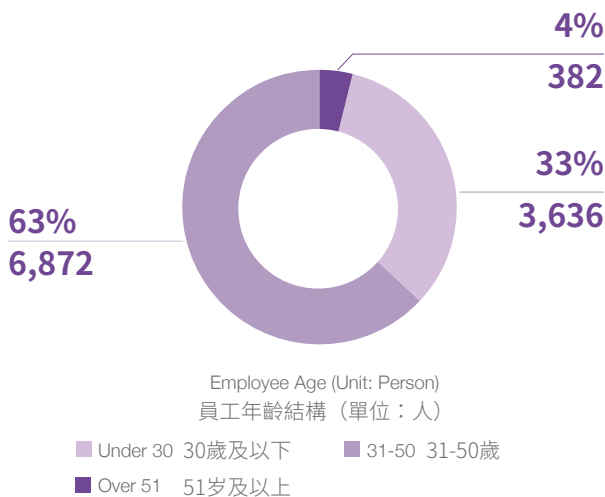
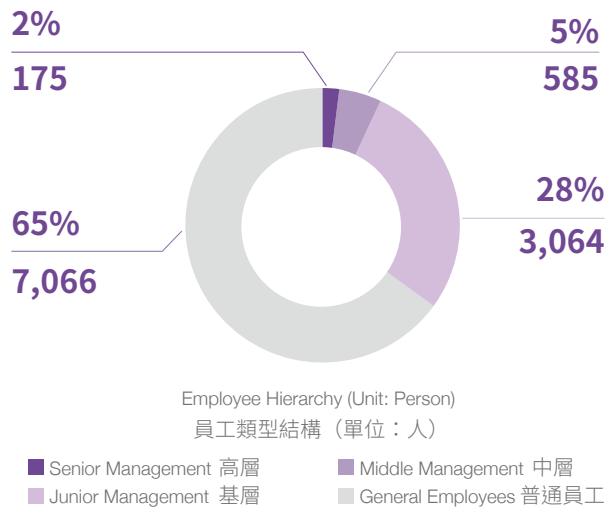
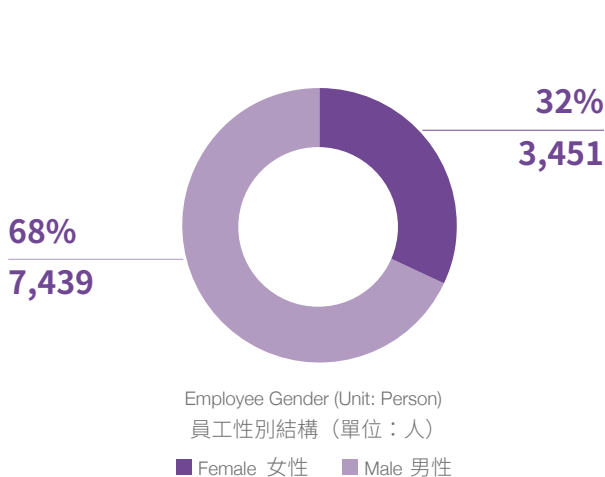
集團高度重視員工的權益和成長，保障員工基本權益，搭建人才成長平台，豐富員工業餘生活，營造和諧、健康的工作環境，努力實現員工與企業共成長、同發展。

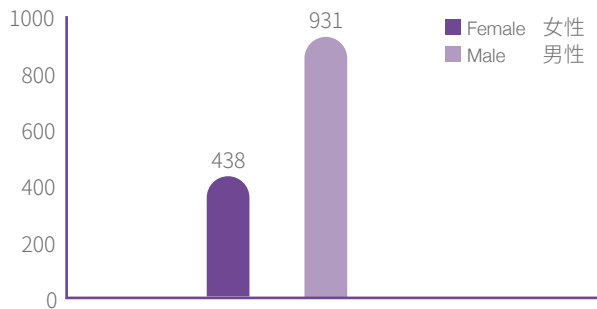
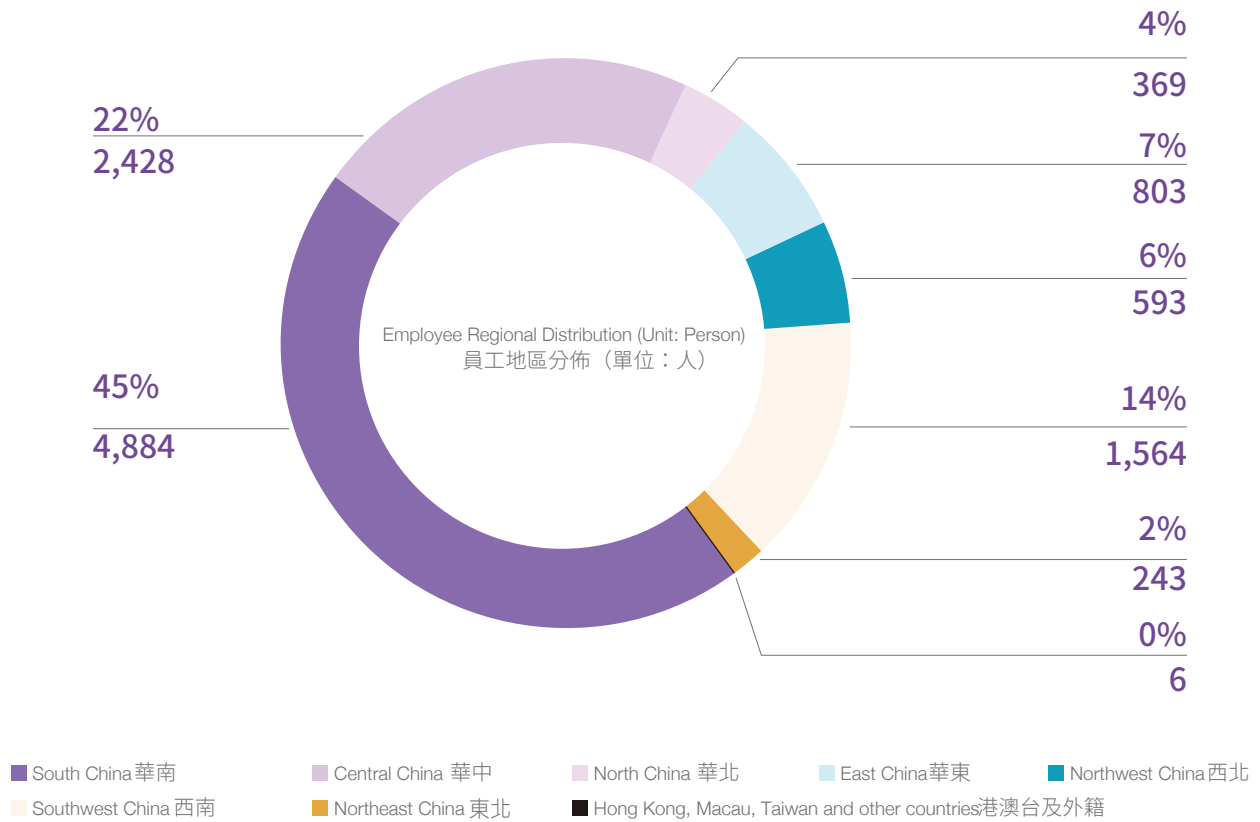
保護員工權益

集團尊重勞動、尊重人才，認真貫徹《中華人民共和國勞動法》等相關法律法規和用工政策，制定《勞動關係管理指引》，維護員工各項合法權益，打造和諧勞動關係。

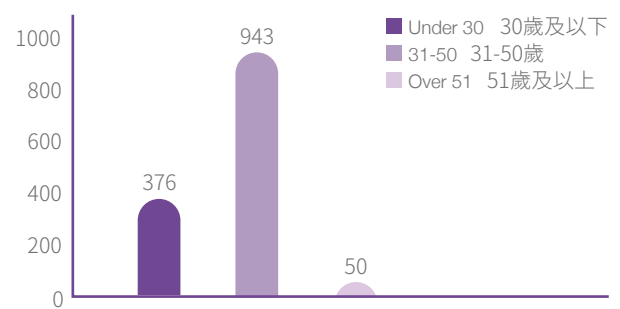
多元人才結構

集團致力於吸引、激勵和培養多元化、高素質人才，形成了多層次的人才梯隊結構。

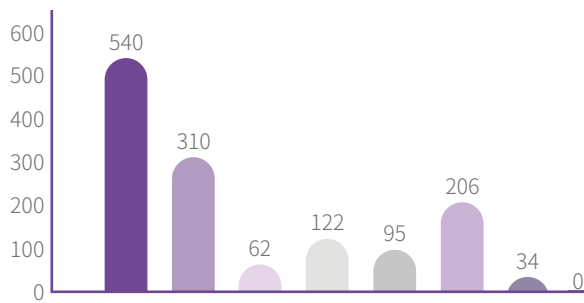




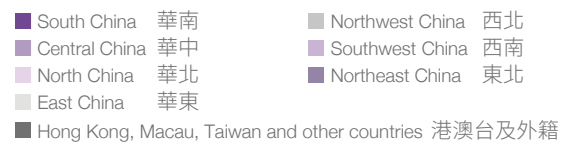
Employee Turnover by Gender (Unit: Person)
按性別劃分的員工流失人數 (單位：人)



Employee Turnover by Age Group (Unit: Person)
按年齡劃分的員工流失人數 (單位：人)



Employee Turnover by Region (Unit: Person)
按地區劃分的員工流失人數 (單位：人)



Adhering to Equal Employment

Strictly abiding by policies and regulations, the Group advocates equal employment and signs labor contracts with employees based on the principles of equality, voluntariness and consensus. We resolutely put an end to any discrimination against employees due to factors such as age, gender, marital status, disability, ethnicity, race and religious beliefs, oppose any form of child labor and forced labor and strive to create a fair and lawful working environment for employees.

100%

employment contracts signed

Remuneration and Benefits of Employees

The Group has formulated *the Remuneration Management Regulations of China Lesso*, in which it rationally states the salary level and a dynamic incentive mechanism to fully mobilize the motivation of employees, ensure that employees' remuneration and benefits are competitive in the market and share benefits between the Group and its employees. With a multi-level, three-dimensional and all-around insurance system, we handle social insurance and housing funds procedures for employees in accordance with law and pay the required amount in full, strictly implement the nation's regulations on paid vacation for employees and earnestly safeguard the rights and interests of employees.

100%

social insurance coverage

Democratic Communication and Feedback

As an advocate of honest communication, the Group values the voices of employees, actively improves the mechanism of equal and open dialogue and broadens the channels for employees to participate in democratic management. By means of employee satisfaction surveys, democratic meetings and staff congress, we encourage employees to contribute ideas and suggestions and ensure that employees exercise their rights to know, participate, vote and supervise.

Building a Platform for Growth

Based on the development needs of employees, the Group offers a comprehensive training system and streamlined career development channels, and promotes a solid career development platform to motivate its employees.

堅持平等僱傭

集團嚴格遵循政策法規要求，堅持平等僱傭，在平等自願、協商一致的基礎上，與員工簽訂勞動合同，堅決杜絕因年齡、性別、婚姻狀況、傷殘、民族、種族、宗教等因素歧視員工的現象產生，反對以任何形式僱用童工和強迫勞動，營造公平、合法的僱傭環境。

全年勞動合同簽訂率

100%

員工薪酬福利

集團制定《中國聯塑薪酬管理制度》，合理制定薪酬水平和動態激勵機制，充分調動員工的積極性，確保員工薪酬福利具有市場競爭力，使公司與員工利益共享；建立多層次、立體化、全方位的保險制度體系，為員工依法辦理「五險一金」手續並足額繳費，嚴格執行國家有關員工帶薪休假的規定，切實維護員工權益。

社會保險覆蓋率

100%

民主溝通反饋

集團倡導坦誠溝通，重視傾聽員工的聲音，積極完善平等、公開對話機制，拓寬員工參與民主管理的渠道，通過員工滿意度調查、民主生活會、員工代表大會等方式，鼓勵員工獻計獻策，確保員工的知情權、參與權、表決權和監督權。

搭建成長平台

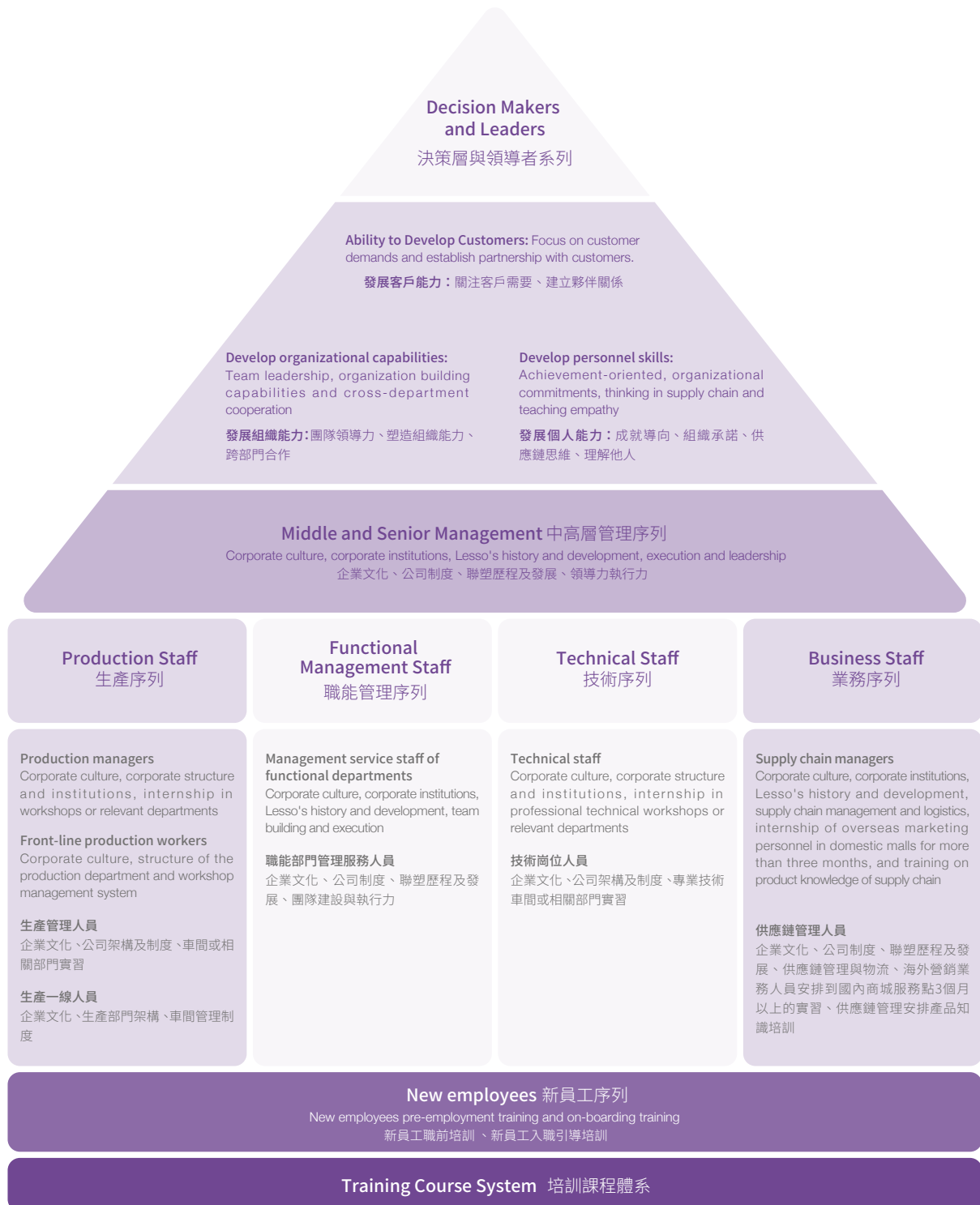
集團依據員工發展需要，提供完善的培訓體系和暢通的職業發展通道，為員工搭建良好的職業發展平台，激發員工活力。

Diversified Training for Employees

Through its Lesso College, the Group has developed professional knowledge manuals and in-house training courses. It offered personalized training based on the training needs of employees of different types and positions. With an aim to improve the professional quality of employees in an all-around manner, Lesso College helped employees enhance their professional competitiveness and achieved the common growth of employees and the Company. A total of 83 training courses were developed in 2018.

多元化員工培訓

集團設立聯塑學院，針對不同類型、不同崗位的員工培訓需要，開發專業知識手冊和內訓課程，提供個性化的培訓方式，全面提高員工職業素養，助力員工提升職業競爭力，實現員工和企業共同成長。2018年，累計開發培訓課程83門。



92,584 participants

252,555 employee training hours

參與培訓員工

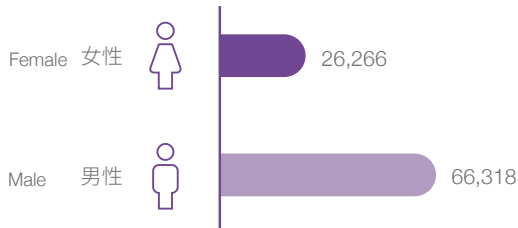
92,584 人次

員工培訓共計

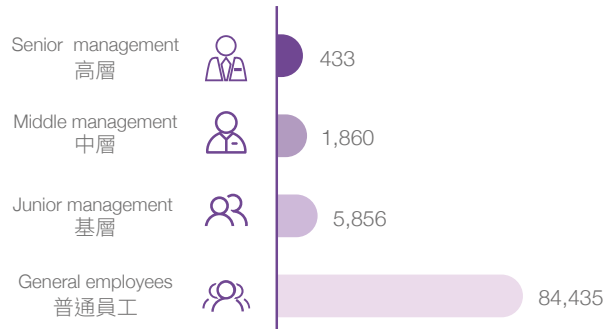
252,555 小時

Employee training by gender

按性別劃分的員工培訓人次

**Employee training by type**

按類型劃分的員工培訓人次

case
案例**Addition of "Cantonese Class" and "Lesso Reading" to meet demands of employees**

增設「粵語課堂」和「悅讀聯塑」項目，滿足學員需要

In response to the requirements of foreign employees to learn Cantonese, help them integrate into Cantonese culture quickly and improve communication efficiency, Lesso College has planned and launched the "Cantonese Class" program which realizes an online and offline closed-loop environment through a community learning model, and designs training content in an accurate way. Additionally, the "Lesso Reading" reading club program was launched, which adopts an O2O (online to offline) model. The program is intended to assist employees improve work efficiency and quality of life.

為了響應外省籍員工學習粵語要求，幫助他們儘快融入粵語文化，提升溝通效率，聯塑學院策劃開展了「粵語課堂」項目，通過社群學習模式，實現線上線下學習閉環，精準設計培訓內容。同時，開展「悅讀聯塑」讀書會項目，讀書會採用O2O線上線下相結合模式，協助員工提高工作效率和生活質量。



Lesso College's Cantonese Class
聯塑學院粵語課堂



Lesso Lecture
聯塑大講堂

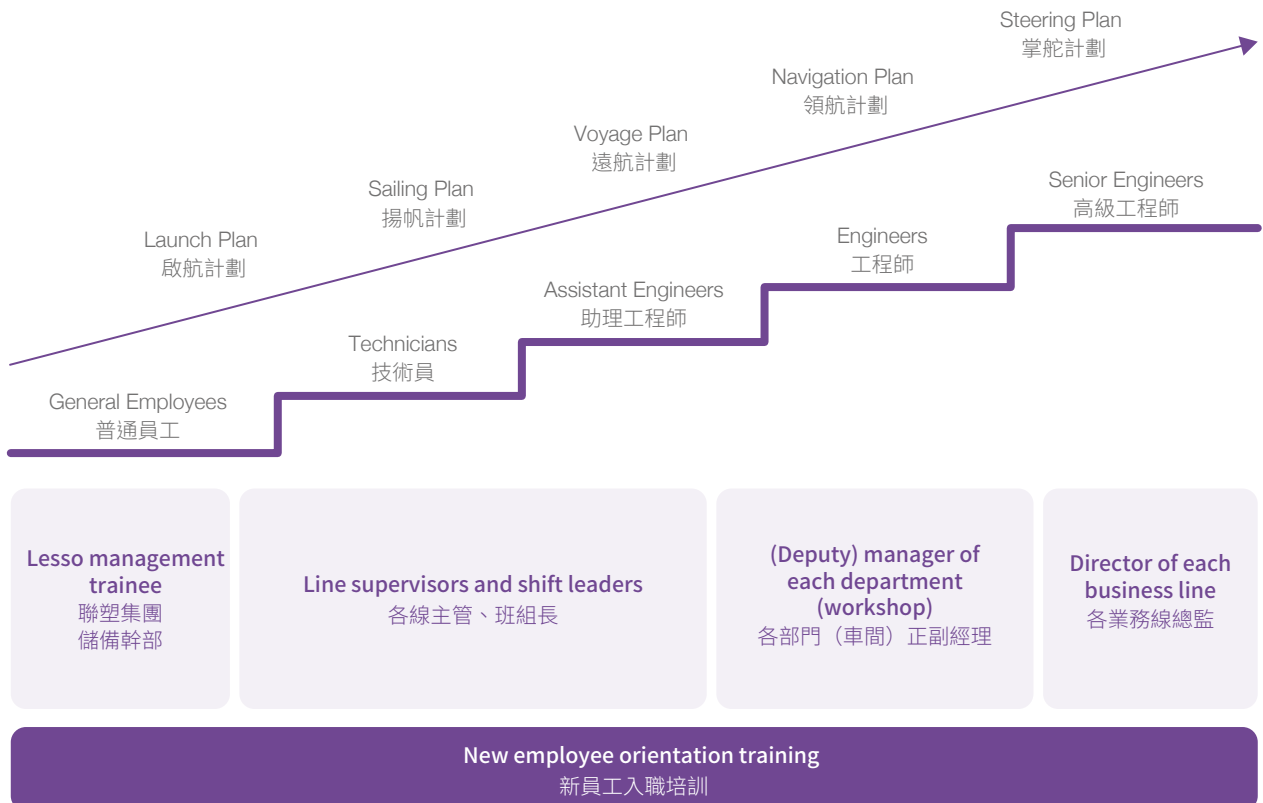


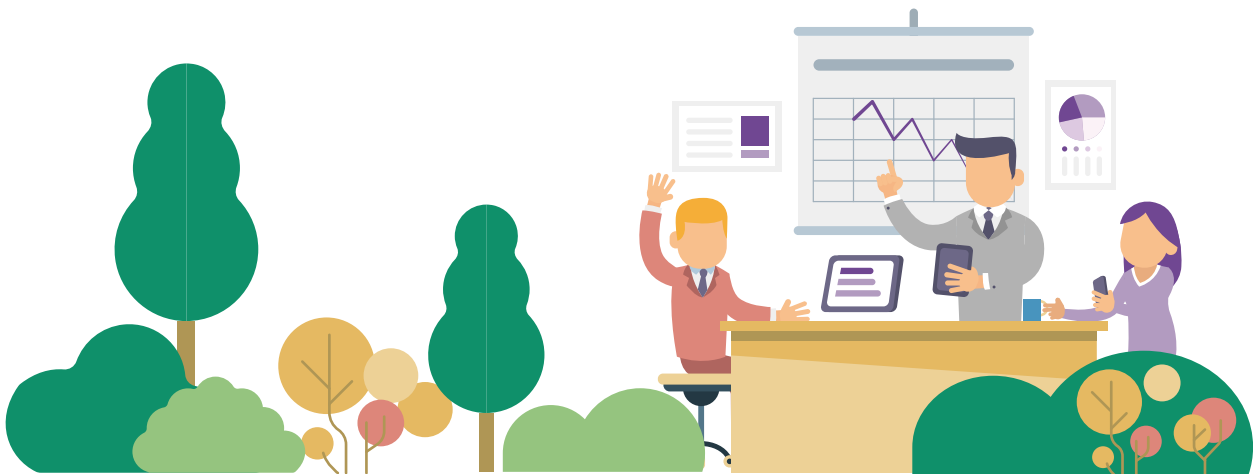
Multi-channel Employee Development

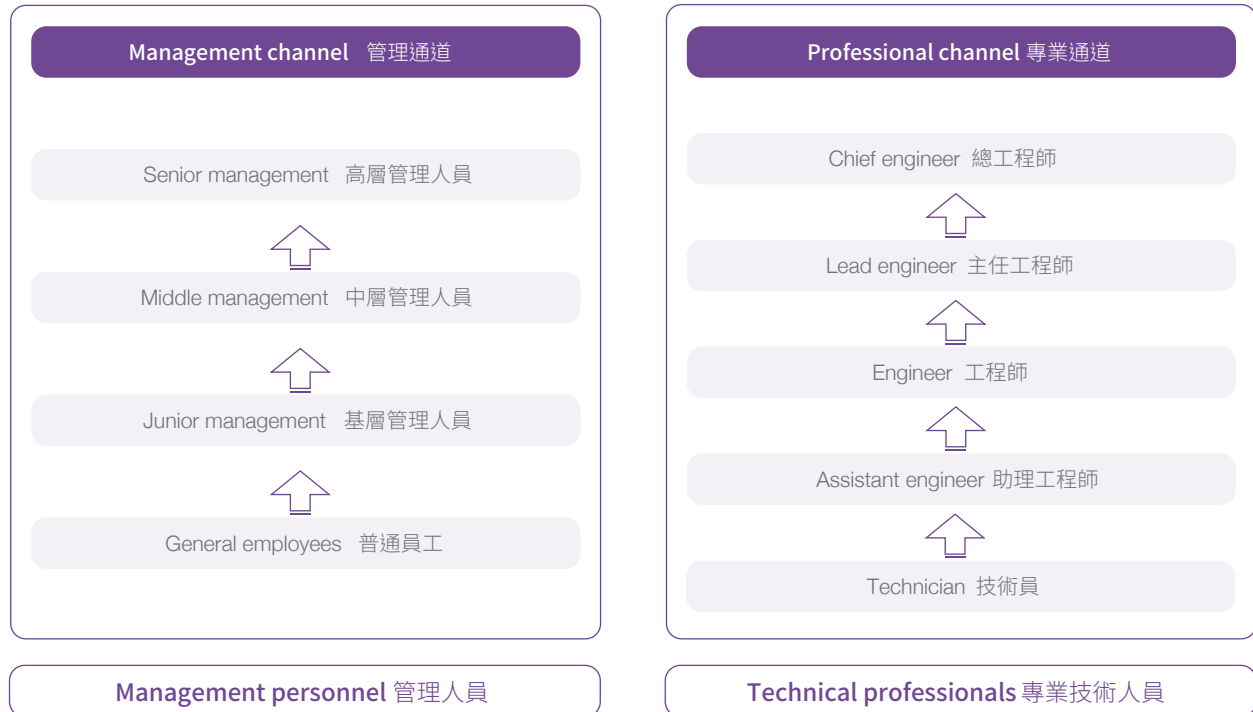
The Group continuously optimizes its talent promotion and career development system so as to help employees set clear professional goals, build up professional development confidence and fully mobilize their enthusiasm, ultimately allowing employees to add value in their respective positions.

多渠道員工發展

集團不斷優化人才晉升和職業發展體系，幫助員工明確職業發展目標，樹立職業發展信心，充分調動員工積極性，助力員工在工作崗位上實現自我價值。







Professional Development Channel
職業發展通道

case
案例

Teaching and learning
師者匠心，薪火相傳

To better guide employees to learn and grow in their positions and bring experienced employees into play in "imparting, helping and leading", China Lesso develops a talent training model of "apprenticeship" and ensures corresponding teachers and apprentices in each position. Teachers should not only impart the professional knowledge and methods of work, but also help apprentices deepen their understanding of their positions and enhance their personal qualities, ultimately achieving the employee-driven development of Lesso.

為更深入引導員工在崗位上學習成長，發揮有經驗員工的「傳、幫、帶」作用，中國聯塑積極打造「師帶徒」人才培養模式，實現各個崗位都有對應的「師徒幫帶」，不僅傳授崗位中的專業知識和工作方式方法，而且幫助員工加深對崗位的理解和提升個人素質，在員工成長發展的同時帶動企業的發展。



Cultivating talent through "apprenticeship"
「師帶徒」人才培養模式

Increasing the Happiness of Employees

For the safety and physical and mental health of its employees, the Group develops a wide range of leisure activities to help employees achieve work-life balance. The Group also provides considerate care for female employees and those in need, continuously improving their overall happiness and satisfaction.

Focusing on Occupational Health

The Group strictly abides by occupational health laws and regulations and strives to provide employees with a safer working environment and protect employee health by issuing labor protection equipment, transforming the production environment of workshops and conducting occupational disease examinations.

提升員工幸福感

集團關注員工的安全和身心健康，開展豐富多樣的業餘活動，幫助員工平衡工作生活，為女性員工和困難員工提供貼心關懷，不斷提高員工的幸福指數與滿意度。

關注職業健康

集團嚴格遵守職業健康法律法規，通過發放勞動保護用品、改造車間生產環境、開展職業病體檢等方式，努力為員工提供更加安全的工作環境，全方位呵護員工健康。

Work Injury and Lost Days due to Work Injury	工傷及損失工作日數	2018
Lost days due to work injury (business day)	因工作關係損失工作日數/工作日	8,040
Number of work-related fatalities (person)	因工作關係死亡人數/人	0
Rate of work-related fatalities (%)	因工作關係死亡比率/%	0
Frequency rate of disabling injury per 1,000 people	千人工傷意外率/‰	13

case 案例

Installation of fall protection equipment to ensure safety of workers 安裝防墜落裝置，保障人員安全

Porters perform aerial work on platforms, which can be dangerous during canvas covering and loading and on rainy days. In view of this, China Lesso applies fall protection devices to protect the lives of workers. The device is made of special light-weight steel which wear, corrosion and shock-resistant. It is equipped with a safety belt to ensure the safety of the employee.

平台上的搬運員處於高空作業狀態，在蓋帆布、雨天、裝車過程中都存在危險。中國聯塑採用防墜落裝置保護工作人員生命安全。此裝置採用特種鋼，具備質輕、耐磨、耐腐蝕、抗衝擊的特點，並配備安全帶，保障了員工的生命安全。



Fall protection equipment
防墜落裝置

Caring for Employees

The Group advocates positive, green and healthy work and lifestyle. To this end, a series of cultural and sports activities such as the Mid-Autumn Gala, New Year's Eve Party and Employee Games are held. In addition, the Group actively provides assistance to employees in need and female employees, showing the care and warmth of the Company and enabling employees to enjoy a happy life.

關愛員工生活

集團通過開展中秋晚會、元旦晚會、員工運動會等系列文化體育活動，倡導積極向上、綠色健康的工作和生活方式，積極為困難員工及女性員工等群體提供幫扶，讓員工感受到公司的關懷和溫暖，樂享幸福生活。



Access to the library and activity room for a variety of leisure activities 開放圖書館和活動室，豐富員工業餘生活



Hosting of the "Mid-Autumn, Gathering in Lesso" event



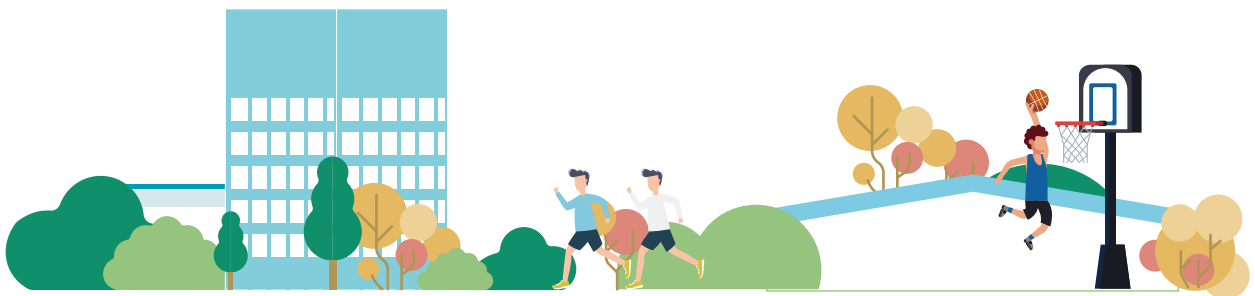
舉辦「濃情中秋，情聚聯塑」節日活動



Anniversary of Lesso in 2018



2018年聯塑廠慶活動



Promoting Warmth through Public Outreach

Adhering to the public welfare concept of "Serving the community and giving back to society", the Group shares its development achievements with the community by actively offering their time to carrying out poverty alleviation and volunteer services. By doing so, the Group is committed to building a stable and harmonious social environment for residents and spreads warmth and love across the community.

Donations of RMB

5,129,000 in 2018

658 hours

of volunteer service in 2018

Employees participation in charitable activities

197 person-time



Guangdong Liansu Technology Industrial Co., Ltd. was conferred the "Annual Charity Enterprise Award" by Shunde Charity Organization Alliance in Foshan

傳遞公益溫情

集團始終堅持「服務社會、回饋社會」的公益理念，將企業自身發展成果與社會共享，積極承擔社會責任，開展扶貧幫困、志願服務等活動，致力於為居者構築穩定和諧的社會環境，傳遞溫暖與大愛。

全年對外捐贈

512.9萬元

全年志願服務

658小時

員工參與志願活動

197人次



廣東聯塑榮獲佛山市順德區慈善組織聯合會頒發「年度慈善企業獎」

Targeted Poverty Alleviation

In response to the government's call, the Group gave full play to its advantages to deepen targeted poverty alleviation efforts and help improve the infrastructure and educational environment in poverty-stricken areas, helping contribute to meeting people's needs for a brighter future. In June 2018, the Group donated RMB1 million to the 2018 "Love Night" party held by Shunde Poverty Alleviation and Development, of which RMB600,000 was used for targeted poverty alleviation projects in three counties, namely Meigu, Jinyang and Leibo of Liangshan Prefecture, Sichuan.

China Lesso donated RMB1 million to the 2018 Guangdong Poverty Alleviation Day and Rural Revitalization activities and was awarded the "Bronze Medal of Cotton Cup for Poverty Alleviation in Guangdong Province in 2017" by the Guangdong Foundation for Poverty Alleviation.

實施精準扶貧

集團響應國家號召，充分發揮自身優勢，深化精準扶貧，幫助貧困地區改善基礎設施和教育環境，為滿足人民的美好生活需要而貢獻力量。2018年6月，在2018順德區扶貧開發「愛心之夜」晚會上，集團捐贈100萬元，其中60萬元用於四川省涼山州美姑、金陽、雷波三個縣的精準扶貧項目。

在2018年廣東省扶貧濟困日暨鄉村振興活動中，中國聯塑捐款100萬元，並被廣東省扶貧基金會授予2017年度「廣東省扶貧濟困紅棉盃銅盃」

case
案例May joy and sunshine be with you
讓心房永駐陽光

In November 2018, a team organized by China Lesso went to Leibo County, Butuo County and Yanyuan County in Liangshan Prefecture, Sichuan to carry out poverty alleviation activities. The Company donated 810 children's coats to Waerzui Primary School and Waerzui Preschool in Meiyu Town, Yanyuan County, worth more than RMB140,000, enabling the students of the two schools to enjoy a warm winter. In 2018, China Lesso supported education in Liangshan Prefecture with practical actions, and assisted in targeted poverty alleviation projects. As of October 2018, China Lesso has donated materials and funds of more than RMB1.1 million.

2018年11月，中國聯塑一行前往四川涼山州雷波、布拖和鹽源縣，開展對口扶貧工作，集團為鹽源縣梅雨鎮娃兒嘴小學及娃兒嘴幼教點捐贈了810件童裝棉衣，總價值14萬餘元，幫助娃兒嘴小學的學生度過一個溫暖的冬天。2018年，中國聯塑以實際行動支持涼山州的教育事業，並對口援助精準扶貧項目，截至2018年10月，中國聯塑累計捐贈物資和款項達110餘萬元。



China Lesso donated children's coats to Waerzui Primary School and Waerzui Preschool
中國聯塑為娃兒嘴小學及娃兒嘴幼教點捐贈童裝棉衣

case
案例Donation to and development of drinking water projects to promote educational development
捐建飲水工程，促進教育發展

Butuo County in Liangshan Prefecture is a poverty-stricken area. Many schools do not have safe drinking water due to the climate, terrain and other reasons. In October 2018, Sichuan Lesso Technology Industrial Co., Ltd. donated PE water supply pipe fittings to a safe drinking water project for the Lada Township Central School in Butuo County, Liangshan Prefecture, the value of which was more than RMB200,000. An earlier safe drinking water project at the Jiudu Township Central School in Butuo County, to which a subsidiary in Sichuan donated more than RMB180,000 of pipes and fittings, was put into operation in early May. The project will provide safe drinking water for 963 students and 37 teachers of the Jiudu Township Central School for years to come and realize favorable social benefits. China Lesso's involvement in the construction of the safe drinking water project for the schools in Butuo County, Liangshan Prefecture and support of local education demonstrates the Company's dedication to giving back to the community and fulfilling its corporate social responsibility amid its steady development.

涼山州布拖縣是深度貧困縣，因氣候、地勢等原因，許多學校無安全飲水。2018年10月，四川聯塑捐建涼山州布拖縣拉達鄉中心校飲水安全工程的PE給水管材管件開始裝車，本次捐贈物資價值20餘萬元。此前，由四川附屬公司捐贈18萬餘元管材管件援建的布拖縣九都鄉中心校安全飲水工程已於5月初投入使用，解決了九都鄉中心校963名學生及37名老師多年的安全飲水問題，取得了良好的社會效益。中國聯塑援建涼山州布拖縣學校飲水工程，支持當地教育事業，彰顯了集團在穩健發展的同時，積極回報社會，踏實履行企業社會責任的精神。



Volunteer Services

The Group engages in various public welfare undertakings and organizes diversified volunteer service activities to deliver warmth to the people in need and jointly promote the development of social welfare.

開展志願服務

集團積極投身公益事業，組織開展多元化的志願服務活動，為有需要的民眾送去溫暖，共同推動社會公益事業發展。

case
案例

A little kindness goes a long way, returning home filled with love

小善大愛，滿愛回家

In February 2018, the 6th "Warm Station, Full of Love" – an activity to provide care for homeward bound migrant workers during the Spring Festival, was held at the Longshan Gas Station in Shunde, which attracted a total of 53 volunteers from China Lesso, Zhida Group and Longjiang Middle School. Volunteers distributed reflective vests, raincoats, knee pads and other materials to migrant workers who were returning home by motorcycle, providing migrant workers a safer and warmer trip back home and delivering the big love of Lesso through a good deed.

2018年2月，在順德龍山加油站舉行的第六屆「情暖驛站，滿愛回家」——關愛春節返鄉務工人員活動中，共有中國聯塑以及志達、龍江中學的53名義工參與其中，志願者們給在外務工的「摩騎返鄉」人員發放反光背心和雨衣、護膝等愛心物資，為在外務工人員提供一個更安全、更溫暖的返鄉之路，以溫暖行動傳遞聯塑大愛。



Volunteer teams of Lesso participating in "Warm Station, Full of Love" 聯塑義工隊參與「情暖驛站，滿愛回家」活動

case
案例

Supporting drug control efforts with dedication and accountability

盡心履責，支持禁毒事業

In June 2018, China Lesso presented an RMB1 million donation to the Guangdong Narcotics Control Foundation on the occasion of the 31st International Day Against Drug Abuse and Illicit Trafficking. Drug control concerns national security, the rise and fall of the nation and the well-being of the people. In this connection, China Lesso took actions to support anti-drug efforts and practice corporate social responsibility. China Lesso donated money to the Guangdong Narcotics Control Foundation in support of its anti-drug social propaganda and assistance to poverty-stricken families for drug rehabilitation.



2018年6月，在第31個國際禁毒日來臨之際，中國聯塑向廣東省禁毒基金會捐贈100萬元。禁毒工作事關國家安危，民族興衰，人民福祉，中國聯塑向禁毒基金會捐款，支持禁毒基金會開展禁毒社會宣傳、貧困家庭戒毒幫扶等工作，以實際行動支持禁毒事業，履行企業社會責任。

case
案例

Donating blood and sharing life

捐獻熱血，分享生命

On 14 June 2018, the 15th World Blood Donor Day, China Lesso held a volunteer blood drive with the theme of "Caring for Others, Donating Blood, Sharing Life". This voluntary blood drive aims to ensure the medical needs and safety of blood use and popularize knowledge about voluntary blood donation. It attracted more than 220 employees, with a total blood donation of more than 75,000 ml. Throughout its years of participation, China Lesso employees have donated in excess of 350,000 ml of blood. In addition, China Lesso also won the title of "2017 Advanced Unit of Volunteer Blood Donation in Shunde District", which fully reflected China Lesso's public welfare concept of "Serving the community and giving back to society".

2018年6月14日是第15個世界捐血者日，中國聯塑舉行主題為「為他人著想，捐獻熱血，分享生命」的無償捐血活動。這次義務捐血活動旨在保證醫療臨床用血需要和安全，普及無償捐血相關知識，共吸引超過220名員工參與，捐血總量超過75,000毫升，員工累計捐血量已超過35萬毫升。此外，中國聯塑還獲得「順德區2017年度無償獻血先進單位」稱號，充分展現了中國聯塑「服務社會，回饋社會」的公益理念。



Lesso's voluntary blood drive
組織開展無償捐血活動

case
案例

"Love and Student Aid" in Ya'an

「愛·助學」走進雅安

In December 2018, the "Love and Student Aid" activity, jointly carried out by China Lesso, Radio Foshan FM901 and Xishan Primary School, came to Ya'an, Sichuan. Xishan Elementary School assigned a group of teachers in language, mathematics, music, information and other subjects to teach in the Shangli Township Central School and Shangli Qijia Primary School in Ya'an, Sichuan and pay visits to families in need. China Lesso paid the transportation, accommodation and publicity expenses of the support teaching activity and united the strength of social charity, bringing care and warmth to the students in Ya'an.

2018年12月，由中國聯塑、佛山電台FM901和西山小學聯合開展的「愛·助學」活動走進四川雅安，西山小學派出語文、數學、音樂、信息等科目的老師，對四川雅安上里中心學校、上里七家小學開展支教活動，並對困難家庭進行家訪。中國聯塑負責了這次義教活動的交通、食宿以及宣傳費用，凝聚社會愛心力量，為雅安的學生送上了關懷和溫暖。



China Lesso's "Love and Student Aid" came to Ya'an
中國聯塑「愛·助學」活動走進雅安

Outlook

Upholding the concept of "building a relaxing life for residents with quality Lesso products", China Lesso is committed to producing high-quality and easy-to-use plastic pipes, building materials and home furnishings, and providing residents with a variety of home choices and services. In the future, China Lesso will take "making progress steadily" as its development policy, seize the development opportunities brought by government policy support, and strive to foster new growth drivers, so as to achieve synergies across the Group's businesses and diversify income generation. China Lesso is steadily progressing towards becoming a world-leading large industrial group of building materials and home furnishings, and is focused on creating a relaxing life for tens of millions of families in China and around the world.

展望

中國聯塑秉持「為居者構築輕鬆生活」的理念，本著向心而生、因質而美的初心，用心打造優質、好用的塑料管道及建材家居產品，為居者提供多樣的家居選購和服務。未來，中國聯塑將以穩步向前為發展方針，積極把握政府政策支持所帶來的發展機遇，努力培育新業務增長點，實現集團業務協同效應及收入多元化，向世界領先的大型建材家居產業集團邁進，為中國乃至全球千萬家庭構築輕鬆生活。



Fostering Urban Development
服務城市發展

Focusing on the needs of residents, we have guaranteed production safety and product quality, provided convenient and satisfactory services and continued to invest in innovative R&D. We are committed to providing diversified and high-quality products for the comfortable living of the public and urban construction and development, contributing to quality life in communities everywhere.

以居者需要為中心，保障安全生產和產品品質，提供便捷滿意服務，持續投入創新研發，致力於為大眾舒適生活和城市建設發展提供多元化、高質量的產品，為品質生活貢獻力量。



Establishing a Sustainable
Supply Chain
共贏可持續發展

Adhering to the concept of honesty and win-win cooperation, we have integrated upstream and downstream resources of the industrial chain in an all-around way, created a socially responsible supply chain and established a harmonious and interactive relationship with partners to build a win-win ecosystem.

秉持誠信、共贏理念，全面整合產業鏈上下游資源，打造責任供應鏈，與合作夥伴建立和諧互動的良性關係，構建共贏生態圈。



Protecting Eco-friendly Homest
守護生態家園

In response to the call for building a beautiful China, we have improved environmental management, strengthened green operation and improved the utilization efficiency of energy resources to build a green roadmap to the harmonious coexistence of enterprises and the environment through practical actions.

響應美麗中國建設號召，完善環境管理，加強綠色運營，提升能源資源使用效益，以實際行動構築企業與環境和諧共生的綠色之路。



Helping Achieve a Better Life
助力美好生活

Upholding our dedication to people, we have improved the lives and well-being of our employees. By means of our specialized strengths, we have actively participated in public welfare efforts to build stable and harmonious communities for residents.

堅持以人為本，增進員工福祉，提升員工的獲得感和幸福感，並發揮自身專業優勢，積極投身社會公益事業，為居者構築穩定和諧的社會環境。

Report Indicator Index

報告指標索引

Environment

環境

Aspect 層面	Indicator No. 指標編號	Indicator Content 指標內容	Location in the Report 所在報告位置	Indicator Performance 指標表現
A1 Emissions 排放物	General disclosure 一般披露	Information on policies and 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。	"Perfecting Environmental Management" and "Greenification of Operations" 「完善環境管理」、「綠色融入運營」中披露	<i>Environmental Protection Law of the People's Republic of China, Law of the People's Republic of China on Prevention and Control of Atmospheric Pollution, and Emission Standard for Industrial Enterprises Noise at Boundary</i> 《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》、《工業企業廠界環境噪聲排放標準》
	A1.1	Type of emissions and respective emissions data. 排放物種類及相關排放數據。	"Energy Efficiency Management", "Waste Management", and "Waste Gas Management" 「能效管理」、「廢棄物管理」、「廢氣管理」中披露	In 2018, the Group disposed of a total of 984.68 tons of hazardous waste, and 8,596.23 tons of non-hazardous waste. 2018年，集團共處置有害廢棄物 984.68 噸；共處置無害廢棄物 8,596.23 噸。
	A1.2	Total greenhouse gas emissions (in tons) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 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）。	"Greenification of Operations" 「綠色融入運營」中披露	In 2018, the Group's greenhouse gas emissions were 574,386.08 tons. 2018年，集團溫室氣體排放量 574,386.08 噸。
	A1.3	Total hazardous waste produced (in tons) 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）。	"Hazardous Waste Treatment" 「有害廢棄物處理」中披露	In 2018, a total of 984.68 tons of hazardous waste was disposed of. 2018年，共處置有害廢棄物 984.68 噸。
	A1.4	Total non-hazardous waste produced (in tons) 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）。	"Non-hazardous Waste Treatment" 「無害廢棄物處理」中披露	In 2018, a total of 8,596.23 tons of non-hazardous waste was disposed of. 2018年，共處置無害廢棄物 8,596.23 噸。
	A1.5	Description of measures to mitigate emissions and achievements. 描述減低排放量的措施及所得成果。	"Greenification of Operations" 「綠色融入運營」中披露	Environmental dust removal systems, automatic feeding systems and air supply systems were used to reduce dust emissions during production. 投入環保除塵系統、自動供料系統及送風系統等，減少生產過程中的粉塵排放。
	A1.6	Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and achievements. 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。	"Hazardous Waste Treatment" and "Non-hazardous Waste Treatment" 「有害廢棄物處理」、「無害廢棄物處理」中披露	Printer inks and paints were outsourced to recycling companies; waste plastics and non-conforming plastics were processed as re-grind materials. 油墨、塗料廢物交回收公司回收再利用；廢塑膠、不合格品塑料作二次料處理。

Aspect 層面	Indicator No. 指標編號	Indicator Content 指標內容	Location in the Report 所在報告位置	Indicator Performance 指標表現
A2 Resource Utilization 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。	"Energy Efficiency Management" and "Water Resource Management" 「能效管理」、「水資源管理」中披露	<i>Energy Conservation Law of the People's Republic of China and Law of the People's Republic of China on Prevention and Control of Water Pollution</i> 《中華人民共和國節約能源法》、《中華人民共和國水污染防治法》
	A2.1	Direct and/or indirect total energy consumption by type (e.g. electricity, gas or oil) (in 1,000 KWH) 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）。	"Energy Efficiency Management" 「能效管理」中披露	Power consumption was 987,595,100 kWh; diesel consumption was 1,826.64 tons 消耗電能 98,759.51 萬千瓦時；柴油 1,826.64 噸
	A2.2	Total water consumption 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）。	"Water Resource Management" 「水資源管理」中披露	The annual water consumption of the Group was 4,231,300 tons. 全年集團耗水量 423.13 萬噸
	A2.3	Description of energy use efficiency initiatives and achievements. 描述能源使用效益計劃及所得成果。	"Energy Efficiency Management" 「能效管理」中披露	The declaration of the second-batch project on energy consumption improvement of motors was completed, and a total of 521 motors were modified or replaced, which is expected to save 9,603,300 kWh of electricity per year 完成第二批電機能耗提升項目申報，共對 521 台電機進行改造、更換，預計每年可節約電量 960.33 萬千瓦時。
	A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and achievements. 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。	"Water Resource Management" 「水資源管理」中披露	We have transformed and upgraded production equipment to strengthen the recycling of production water supply, reducing dependence on water resources and achieving zero discharge of production wastewater. 通過生產設備改造升級加強對生產用水的回收循環使用，在減少水資源依賴的同時，實現生產廢水零排放。
	A2.5	Total packaging materials (in tons) used for finished products and with reference to per unit produced where applicable. 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。		No statistics 暫未統計
A3 Environment and Natural Resources 環境及天然資源	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。	"Noise Control" 「噪音控制」中披露	<i>Emission Standard for Industrial Enterprises Noise at Boundary</i> 《工業企業廠界環境噪音排放標準》
	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。	"Noise Control" 「噪音控制」中披露	We have controlled the noise during operation of fans and machines in production workshops, and distributed labor protection equipment to employees to reduce the impact of noise on the environment and employees. 對生產車間的風機房、機台操作噪音進行改造、對員工發放勞保用品等，降低噪音對環境及員工的影響。

Society

社會

Aspect 層面	Indicator No. 指標編號	Indicator Content 指標內容	Location in the Report 所在報告位置	Indicator Performance 指標表現
B1 Employment 僱傭	General disclosure 一般披露	Information on 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：(一) 政策；及 (二) 遵守對發行人有重大影響的相關法律及規例的資料。	"Safeguarding the Rights and Interests of Employees" 「保護員工權益」中披露	We have implemented <i>the Labor Law of the People's Republic of China</i> and other relevant laws and regulations and employment policies, and formulated <i>the Guidelines for the Management of Labor Relations and Remuneration Management Regulations of China Lesso</i> to safeguard the legitimate rights and interests of employees. 認真貫徹《中華人民共和國勞動法》等相關法律法規和用工政策，制定《勞動關係管理指引》、《中國聯塑薪酬管理制度》，維護員工各項合法權益。
	B1.1	Total number of employees by gender, employment type, age group and geographical region. 按性別，僱傭類型，年齡組別及地區劃分的僱員總數。	"Diversified Talent Structure" 「多元人才結構」中披露	Female: 3,451 / Male: 7,439 Senior management: 175 / Middle Management: 585 / Junior management: 3,064 / General employees: 7,066 Under 30: 3,636 / 31-50: 6,872 / Over 51: 382 South China: 4,884 / Central China: 2,428 / North China: 369 / East China: 803 / Northwest China: 593 / Southwest China: 1,564 / Northeast China: 243 / Hong Kong, Macao, Taiwan and other countries: 6 High school graduates or lower: 6,738 / College graduates: 2,423 / Undergraduates: 1,615 / Postgraduates and above: 114 女性：3,451 人 / 男性：7,439 人 高層：175 人 / 中層：585 人 / 基層：3,064 人 / 普通員工：7,066 人 30 歲及以下：3,636 人 / 31-50 歲：6,872 人 / 51 歲及以上：382 人 華南：4,884 人 / 華中：2,428 人 / 華北：369 人 / 華東：803 人 / 西北：593 人 / 西南：1,564 人 / 東北：243 人 / 港澳台及外籍：6 人 高中及以下：6,738 人 / 大專：2,423 人 / 本科：1,615 人 / 碩士及以上：114 人
	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僱員流失比率。	"Diversified Talent Structure" 「多元人才結構」中披露	Female: 4% / Male: 8.5% Under 30: 3.5% / 31-50: 8.7% / Over 51: 0.5% South China: 5% / Central China: 2.8% / North China: 0.6% / East China: 1.1% / Northwest China: 0.9% / Southwest China: 1.9% / Northeast China: 0.3% / Hong Kong, Macao, Taiwan and other countries: 0% 女性：4% / 男性：8.5% 30 歲及以下：3.5% / 31-50 歲：8.7% / 51 歲及以上：0.5% 華南：5% / 華中：2.8% / 華北：0.6% / 華東：1.1% / 西北：0.9% / 西南：1.9% / 東北：0.3% / 港澳台及外籍：0%
B2 Health and Safety 健康與安全	General disclosure 一般披露	Information on policies and their compliance with relevant laws and regulations that have a significant impact on the issuer, in regards to the provision of a safe working environment and protection of employees from occupational hazards. 有關提供安全工作環境及保障僱員避免職業性危害的：(一) 政策；及 (二) 遵守對發行人有重大影響的相關法律及規例的資料。	"Focusing on Occupational Health" 「關注職業健康」中披露	We have been in strict compliance with the laws and regulations on occupational health. 嚴格遵守職業健康法律法規
	B2.1	Number and rate of work-related fatalities. 因工作關係而死亡的人數及比率。	"Focusing on Occupational Health" 「關注職業健康」中披露	Nil 無

Aspect 層面	Indicator No. 指標編號	Indicator Content 指標內容	Location in the Report 所在報告位置	Indicator Performance 指標表現	
B2 Health and Safety 健康 與安全	B2.2	Lost days due to work injury. 因工傷損失工作日數。	"Focusing on Occupational Health" 「關注職業健康」中披露	8,040 working days 8,040 個工作日	
	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。	"Focusing on Occupational Health" 「關注職業健康」中披露	We have endeavored to provide employees with a safer working environment by issuing labor protection equipment, transforming the production environment of workshops and conducting physical examinations for occupational diseases. 通過發放勞動保護用品、改造車間生產環境、開展職業病體檢等方式，努力為員工提供更加安全的工作環境。	
B3 Development and Training 發展與培訓	General disclosure 一般披露	Policies on improving employees' knowledge and skills for fulfilling work duties. Description of training activities. 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。	"Building a Platform for Growth" 「搭建成長平台」中披露	We have established Lesso College, developed professional knowledge manuals and internal training courses and provided personalized training for different types of employees with different roles. 設立聯塑學院，針對不同類型、不同崗位的員工培訓需要，開發專業知識手冊和內訓課程，提供個性化的培訓方式。	
	B3.1	Number of employees trained, by gender and employee type (e.g. senior management, middle management). 按性別及僱員類別（如高級管理層，中級管理層等）劃分的受訓僱員百分比。	"Diversified Training for Employees" 「多元化員工培訓」中披露	Female: 26,266 Male: 66,318 Senior management: 433 Middle management: 1,860 Junior management: 5,856 General employees: 84,435 女性：26,266 人次 男性：66,318 人次 高層：433 人次 中層：1,860 人次 基層：5,856 人次 普通員工：84,435 人次	
	B3.2	Average hours for completion of training, by gender and employee type. 按性別及僱員類別劃分，每名僱員完成受訓的平均時數。	"Diversified Training for Employees" 「多元化員工培訓」中披露	Female: 20.76/Male: 24.32 Senior management: 6.75 / Middle management: 8.67 / Junior management: 5.21 / General employees: 32.60 女性：20.76 小時 / 男性：24.32 小時 高層：6.75 小時 / 中層：8.67 小時 / 基層：5.21 小時 / 普通員工：32.60 小時	
B4 Labor Standards 勞工準則	General disclosure 一般披露	Information on 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：（一）政策；及（二）遵守對發行人有重大影響的相關法律及規例的資料。	"Adhering to Equal Employment" 「堅持平等僱傭」中披露	We have been in compliance with relevant laws and regulations such as the Labor Law of the People's Republic of China, and against any form of child labor and forced labor, to create a fair and legal employment environment. 遵守《中華人民共和國勞動法》等相關法律法規，反對以任何形式僱用童工和強迫勞動，營造公平、合法的僱傭環境。	
	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。	"Adhering to Equal Employment" 「堅持平等僱傭」中披露	We have been against any form of child labor and forced labor to create a fair and legal employment environment. 反對以任何形式僱用童工和強迫勞動，營造公平、合法的僱傭環境。	
	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步驟。	"Adhering to Equal Employment" 「堅持平等僱傭」中披露	We have been against any form of child labor and forced labor to create a fair and legal employment environment. 反對以任何形式僱用童工和強迫勞動，營造公平、合法的僱傭環境。	

Aspect 層面	Indicator No. 指標編號	Indicator Content 指標內容	Location in the Report 所在報告位置	Indicator Performance 指標表現
B5 Supply Chain Management 供應鏈管理	General disclosure 一般披露	Policies on managing environmental and social risks along the supply chain. 管理供應鏈的環境及社會風險政策。	"Strengthening supplier management" 「加強供應商管理」中披露	<i>Supplier Management Measures</i> 《供應商管理辦法》
	B5.1	Number of suppliers by geographical region. 按地區劃分的供應商數目。	"Creating a Responsible Supply Chain" 「打造責任供應鏈」中披露	South China: 565 Central China: 138 North China: 48 East China: 153 Northwest China: 45 Southwest China: 52 Northeast China: 18 Hong Kong, Macao, Taiwan, and other countries: 5 華南 565 家 華中 138 家 華北 48 家 華東 153 家 西北 45 家 西南 52 家 東北 18 家 港澳台及海外 5 家
	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。	"Strengthening supplier management" 「加強供應商管理」中披露	In 2018, the Group screened up to 90% of its suppliers using the ISO 9000 quality standards, the ISO 14000 environmental standards, and the ISO 18000 occupational health and safety standards, respectively. 2018 年，集團用 ISO 9000 質量標準、ISO 14000 環境標準、ISO 18000 職業健康安全標準篩選供應商的比例均達 90%。
B6 Product Responsibility 產品責任	General disclosure 一般披露	Information on 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：（一）政策；及（二）遵守對發行人有重大影響的相關法律及規例的資料。	"Creating high-quality products" and "Safeguarding customer rights and interests" 「打造優質產品」、「保障客戶權益」中披露	<i>The Production Safety Law of the People's Republic of China and the Management Measures on Advertising Resources.</i> We adhere to the provision of products and services in accordance with law, identify, understand and meet customer needs in a timely manner and take care to protect the legitimate rights and interests and information security of customers. 《安全生產法》、《廣告資源管理辦法》 堅持依法依規提供產品和服務，及時識別、了解和滿足客戶需要，注重保護客戶的合法權益和信息安全。
	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。		No product and service recycling events that have significant impact on the operation of the Group during the reporting period. 報告期內沒有發生對集團運營具有重大影響的產品及服務回收事件
	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。	"Customer Feedback" 「客戶意見反饋」中披露	We promptly communicate customer feedback to the relevant departments and make continuous follow-ups until the customer is satisfied. In 2018, the Group received 18 effective complaints about products or services, and the rate of response to customer complaints was 100%. 及時將客戶反饋意見傳達至相關部門，並作持續的跟進反饋，直至客戶滿意。2018 年，集團接獲關於產品或服務的有效投訴共有 18 宗，客戶投訴回覆率 100%。

Aspect 層面	Indicator No. 指標編號	Indicator Content 指標內容	Location in the Report 所在報告位置	Indicator Performance 指標表現
B6 Product Responsibility 產品責任	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。	"Transformation of Innovation Results" 「創新成果轉化」中披露	We continuously improve the level of patent protection for independent innovation achievements, and promote economic efficiency through technological innovation. In 2018, the Group applied for 389 patents and authorized 154 patents. 不斷提高自主創新成果專利保護水平，以科技創新促進經濟效益提升。2018年，集團申請專利389件，授權專利154件。
	B6.4	Description of quality assurance processes and recall procedures. 描述質量檢定過程及產品召回程序。	"Product Quality Testing" and "Product Recall Procedures" 「產品質量檢測」、 「產品召回程序」中披露	The Group conducts comprehensive multi-dimensional inspection from the incoming of raw materials, product design and sample creation to production and product delivery. It relies on the three inspection system of "self-inspection, mutual inspection and sampling inspection" to control production and ensure stable product quality. A strict product recall process has been established. For unqualified products, the Group will initiate the product recall process as soon as possible. 從原材料入廠，產品設計，製作樣品，生產到產品出廠進行全面立體檢測，依靠「自檢，互檢，抽檢」三檢制度對生產進行控制，確保產品質量的穩定。 建立了嚴格的產品召回流程，對於不合格產品，集團第一時間啟動產品召回程序。
	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。	"Protecting Customers' Privacy" 「客戶私隱保護」中披露	We value the privacy and information security of customers, strengthen customer information management, guard against customer privacy exposure with strict regulatory procedures and operational procedures and effectively protect the privacy of our customers. 重視客戶的私隱和信息安全，加強客戶的信息管理，以嚴格的規範流程和操作程序防範客戶私隱洩露風險，切實保障客戶私隱。
B7 Anti- corruption 反貪污	General disclosure 一般披露	Information on 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：(一)政策；及(二)遵守對發行人有重大影響的相關法律及規例的資料。	"Anti-corruption and Anti-fraud" 「反腐敗與反舞弊」中披露	Anti-fraud Management System 《反舞弊管理制度》
	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僱員提出並已審結的貪污訴訟案件的數目及訴訟結果。	"Anti-corruption and Anti-fraud" 「反腐敗與反舞弊」中披露	In 2018, the Group did not receive any reports on fraud. 2018年集團共收到反舞弊舉報0次。
	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。	"Anti-corruption and Anti-fraud" 「反腐敗與反舞弊」中披露	We have established an anti-fraud management team to prevent behaviors that harm the interests of the Group and shareholders, and set up a variety of reporting channels to accept complaints and reports of fraudulent behaviors that harm the interests of the Group. 成立反舞弊管理小組，嚴防損害公司及股東利益的行為發生，並設立多種舉報渠道，受理損害集團利益的舞弊行為投訴與舉報。

Aspect 層面	Indicator No. 指標編號	Indicator Content 指標內容	Location in the Report 所在報告位置	Indicator Performance 指標表現
B8 Community Investment 社區投資	General disclosure 一般披露	<p>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.</p> <p>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。</p>	<p>"Promoting Warmth through Public Outreach" and "Implementing Targeted Poverty Alleviation"</p> <p>「傳遞公益溫情」、「實施精準扶貧」中披露</p>	<p>By sharing its development achievements with society, actively assuming social responsibilities and conducting poverty alleviation and volunteer services, the Group is committed to building a stable and harmonious social environment for the residents.</p> <p>將企業自身發展成果與社會共享，積極承擔社會責任，開展扶貧幫困、志願服務等活動，致力於為居者構築穩定和諧的社會環境。</p>
	B8.1	<p>Focus areas of contribution (e.g. education, environmental concerns, labor needs, health, culture, sports).</p> <p>專注貢獻範疇（如教育，環境事宜，勞工需要，健康，文化，體育）。</p>	<p>"Implementing Targeted Poverty Alleviation" and "Carrying out Volunteer Activities"</p> <p>「實施精準扶貧」、「開展志願活動」中披露</p>	<p>We have deepened targeted poverty alleviation and helped poor areas improve their infrastructure and education environment, making contributions to the realization of people's need for a beautiful life.</p> <p>深化精準扶貧，幫助貧困地區改善基礎設施和教育環境，為滿足人民的美好生活需要而貢獻力量。</p>
	B8.2	<p>Resources allocated (e.g. money or time) to the focus areas.</p> <p>在專注範疇所動用資源（如金錢或時間）。</p>	<p>"Promoting Warmth through Public Outreach", "Implementing Targeted Poverty Alleviation", and "Carrying out Volunteer Activities"</p> <p>「傳遞公益溫情」、「實施精準扶貧」、「開展志願活動」中披露</p>	<p>Donations throughout the year totaled RMB 5.129 million, volunteer service time totaled 658 hours and there were 197 employees participating in the volunteer activities.</p> <p>全年對外捐贈總額512.9萬元，志願服務時間658小時，志願服務197人次。</p>

Honors

責任榮譽

Honors Won for Environmental Efforts

環保榮譽

Award Winner 獲獎單位	Honor 榮譽稱號	Presented by 頒發單位
Guangzhou EP Environmental Engineering Ltd. 廣州市環境保護工程設計院有限公司	Brand Enterprise in Environmental Protection of Guangdong Province 廣東環保品牌企業	Organization Committee of IE Expo Guangzhou 中國環博會廣州展組委會
Lesso Technology Development (Guiyang) Co., Ltd. 聯塑科技發展（貴陽）有限公司	Advanced Unit of Energy Conservation and Emission Reduction of Guangzhou Province 貴州省節能減排先進單位	Guizhou Province Energy Conservation and Emission Reduction Research Association 貴州省節能減排研究會
Changchun Lesso Industrial Co., Ltd. 長春聯塑實業有限公司	Building Energy Conservation Technology Certificate Issued by Jilin Province 吉林省建築節能技術認定書	Jilin Provincial Department of Housing and Urban-Rural Development 吉林省住房和城鄉建設廳
Zhongshan Lesso Walton Coating Steel Plastic Pipe Co., Ltd. 中山聯塑華通鋼塑管有限公司	Selected Certificate for Green Building Product Selection Guide Directory 《綠色建築選用產品導向目錄》入選證書	China Building Material Test & Certification Group Co., Ltd. 中國建材檢驗認證集團股份有限公司

Safety Honors

安全榮譽

Award Winner 獲獎單位	Honor 榮譽稱號	Presented by 頒發單位
Lesso Technology Development (Wuhan) Co., Ltd. 聯塑科技發展（武漢）有限公司	Level III Standardization of Work Safety Enterprise 安全生產標準化三級企業	State Administration of Work Safety 國家安全生產監督管理總局
Lesso Technology Development (Guiyang) Co., Ltd. 聯塑科技發展（貴陽）有限公司	Demonstration Enterprise of Safety Culture Construction of Guiyang 貴陽市安全文化建設示範企業	Guiyang Municipal Safe Production Committee Office 貴陽市安全生產委員會辦公室
Shaanxi Lesso Technology Industrial Co., Ltd. 陝西聯塑科技實業有限公司	Level II Standardization of Work Safety Enterprise of the Industry and Trade Industry 工貿行業安全生產標準化二級企業	Administration of Work Safety of Shaanxi Province 陝西省安全生產監督管理局

Product Quality Honors

產品質量榮譽

Award Winner 獲獎單位	Honor 榮譽稱號	Presented by 頒發單位
China Lesso Group Holdings Limited 中國聯塑集團控股有限公司	2017 Excellence Enterprise of the Manufacturing Industry of Guangdong Province 2017年廣東省製造業優秀企業	Guangdong Manufacturers Association, Guangdong Association for the Promotion of Industrial Development 廣東省製造業協會、廣東省產業發展促進會

China Lesso Group Holdings Limited 中國聯塑集團控股有限公司	Pipe and Pipe Fitting Supplier Preferred by Top 500 Chinese Real Estate Development Enterprises 2018 2018年中國房地產開發企業500強首選供應商管件管材類	China Real Estate Association, Shanghai E-house Real Estate Research Institute, and China Real Estate Appraise Centre 中國房地產協會、上海易居房地產研究院、中國房地產測評中心
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Member of Guangdong Association for Quality 廣東省質量協會會員單位	Guangdong Association for Quality 廣東省質量協會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Model Enterprise of Pipeline Valve Manufacturing and Service 管道閥門製造及服務標杆企業	Lv Ying Award Selection Committee 綠英獎評選委員會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Guangdong Patent Award (Excellence Award) (A Highly Damped Polyvinyl Chloride Material and Method for Preparing Pipes) 廣東專利獎（優秀獎）（一種高阻尼聚氯乙烯材料及用於製備管材的方法）	The People's Government of Guangdong Province 廣東省人民政府
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Branded Products of Guangdong Province (Water Supply PE Pipes and Fittings) 廣東省名牌產品（給水PE管材管件）	Promotion Committee of Famous-Brand products of Guangdong Province 廣東省名牌產品推進委員會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Quality Leader of the National Plastic Pipe Industry 全國塑料管道行業質量領軍企業	China Association for Quality Inspection 中國質量檢驗協會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Stable Qualified Products in National Quality Inspection 全國質量檢驗穩定合格產品	China Association for Quality Inspection 中國質量檢驗協會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Leading Quality Brand of the National Plastic Pipe Industry 全國塑料管道行業質量領先品牌	China Association for Quality Inspection 中國質量檢驗協會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Top 500 Chinese Private Enterprises, Ranking 215th in 2018, Bronze Medal 中國民營企業製造業500強2018第215位銅牌	All-China Federation of Industry and Commerce 中華全國工商業聯合會
Guangdong Liansu Chemicals Co., Ltd. 廣東聯塑化工有限公司	Excellence Enterprise in National Quality Management Team Activities 全國質量管理小組活動優秀企業	China Association for Quality, China Association for Science and Technology, All-China Federation of Trade Unions, All-China Women's Federation 中國質量協會、中國科學技術協會、中華全國總工會、中華全國婦女聯合會
China Lesso Group Holdings Limited 中國聯塑集團控股有限公司	Top 500 Manufacturing Enterprises in Guangdong Province 2018 2018年廣東省製造業企業500強	Guangdong Manufacturers Association, Guangdong Research Institute for Industry Development, and Guangdong Academy of Social Sciences and Enterprise Competitiveness Research Centre 廣東省製造業協會、廣東省產業發展研究院、廣東省社會科學院企業競爭力研究中心
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	First Prize for Scientific and Technological Progress in Guangdong Province 廣東省科技進步獎一等獎	The People's Government of Guangdong Province 廣東省人民政府
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Third Prize for Scientific and Technological Progress by China National Light Industry Council 中國輕工業聯合會科學技術進步獎三等獎	China National Light Industry Council 中國輕工業聯合會

Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Second Prize for Scientific and Technological Progress by Guangdong Light Industrial Council 廣東省輕工業聯合會科學技術進步獎二等獎	Guangdong Light Industrial Council 廣東省輕工業聯合會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Third Prize for Scientific and Technological Progress by Guangdong Light Industrial Council 廣東省輕工業聯合會科學技術進步獎三等獎	Guangdong Light Industrial Council 廣東省輕工業聯合會

Social Honors

社會榮譽

Award Winner 獲獎單位	Honor 榮譽稱號	Presented by 頒發單位
China Lesso Group Holdings Limited 中國聯塑集團控股有限公司	Social Contribution (Charity Unit) Bronze Medal 奉獻社會獎（公益慈善單位）銅牌	The People's Government of Longjiang Town, Shunde District, Foshan 佛山市順德區龍江鎮人民政府
Zhongshan Lesso Walton Coating Steel Plastic Pipe Co., Ltd. 中山聯塑華通鋼塑管有限公司	Guangdong Province Enterprise of Observing Contract and Valuing Credit 廣東省守合同重信用證書	Guangdong Province Administration for Industry & Commerce 廣東省工商行政管理局
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Guangdong Poverty Relief Hongmian Cup 2017, Bronze Cup 2017年度廣東扶貧濟困紅棉盃銅盃	Guangdong Provincial Leading Group for Poverty Alleviation and Development 廣東省扶貧開發領導小組
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Charity Enterprise of the Year Award 2017 2017年度慈善企業獎	Charity Organization Federation of Shunde District, Foshan 佛山市順德區慈善組織聯合會
Guangdong Liansu Technology Industrial Co., Ltd. 廣東聯塑科技實業有限公司	Tax Contribution Pioneer Enterprise of Shunde District 2017, Bronze Medal 順德區2017年納稅貢獻先鋒企業銅牌	CPC Committee of Shunde District, Foshan, the People's Government of Shunde District, Foshan 中共佛山市順德區委、佛山市順德區人民政府
Lesso Technology Development (Guiyang) Co., Ltd. 聯塑科技發展（貴陽）有限公司	2017 Social Responsibility Report Publication Certificate 2017年社會責任報告發佈證書	Guizhou Province Industry & Knowledge Economic Federation, Guizhou Province Quality Association 貴州省工業與知識經濟聯合會、貴州省質量協會
Sichuan Lesso Technology Industrial Co., Ltd. 四川聯塑科技實業有限公司	Sincere Donation, Eternal Love 真情捐贈、管愛永恆	The People's Government of Butuo County, Sichuan Province 四川省布拖縣人民政府
Yunnan Lesso Technology Development Co., Ltd. 雲南聯塑科技發展有限公司	A Caring Enterprise Showing Love for Students 情繫學子 愛心企業	Youth League Committee of Jiangchuan District, Yuxi 共青團玉溪市江川區委

Reader Feedback

讀者反饋

Dear Sir/Madam,

Thank you for taking the time to read this report. We look forward to receiving your opinions and suggestions so as to improve the compilation of the report and enhance our performance in the fulfilment of corporate social responsibility.

尊敬的讀者：

您好！感謝您於百忙中閱讀我們的報告。期待您分享關於報告的任何意見與想法，幫助我們持續改進報告編製方式及社會責任工作表現。

1. What type of stakeholder do you identify as? 以下哪個利益相關方最切合您的身份？

- ☐ Government 政府 ☐ Investor 投資者 ☐ Employee 員工 ☐ Customer 客戶 ☐ Supplier 供應商 ☐ Dealer 經銷商
☐ Academic/Research Institute 學術/科研機構 ☐ Peer 同行 ☐ Community and the Public 社區與公眾
☐ Welfare Group/NGO 福利團體/非政府組織 ☐ Media 媒體 ☐ Others (Please specify) 其他（請註明）_____

2. Your opinion on this report: 您認為本報告：

	Very Good 很好	Good 較好	Acceptable 一般	Bad 較差	Very Bad 很差
Structure of the report 報告結構					
Information disclosure 信息披露					
Layout and design 版面設計					
Readability 可讀性					
Overall evaluation 整體評價					

3. Which part(s) of this report are most useful to you? (Select 2 at most) 哪些內容最切合您的需要？（可選2項）


- ☐ Chairman's message 董事長致辭 ☐ Corporate governance 企業管治
☐ Socially responsible management of business 責任管理 ☐ Diversified products 多元產品 ☐ Quality service 優質服務
☐ Win-win cooperation with partners 夥伴共贏 ☐ Green development 綠色發展 ☐ Giving back to the community 回饋社區
☐ Caring for employees 關愛員工


4. Do you have any other comments or suggestions regarding our Corporate Social Responsibility Report or performance?


Please feel free to email your feedback to China Lesso's CSR mailbox: csr@lesso.com.


您對我們的社會責任報告或履責表現，還有哪些意見或建議？您可以通過中國聯塑CSR專用郵箱csr@lesso.com反饋意見給我們。

LESSO 联塑

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