

2019

Stock code : 0450



HUNG HING

Environmental, Social and Governance Report



Corporate Profile



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The Hung Hing Printing Group, listed on the Hong Kong Stock Exchange, is a major global player in book and package printing, consumer product packaging production, corrugated box manufacturing, paper trading, and design innovation in these areas. With a 70-year history of producing tailor-made printing solutions for clients around the world, Hung Hing has a heritage of excellence built on a foundation of craftsmanship and innovation.

Headquartered at the Tai Po Industrial Estate in Hong Kong, we have seven manufacturing facilities, including one in Hong Kong, five in China (Shenzhen, Zhongshan, Heshan and Foshan in the Guangdong province and Wuxi, near Shanghai) and one in Hanoi, Vietnam. The Group's total production floor space around 600,000 square meters, with a workforce of around 7,100 in Hong Kong, China and Vietnam.

All the company's activities focus on pursuing three major goals: to maintain operational excellence, add value, and achieve success for all stakeholders. Its clients include leading local and multinational corporations around the world. Through its design hub Beluga and investments in new development opportunities, the Group is also pioneering new capabilities including digital+print products to help drive innovation.

Hung Hing's financial objective is to deliver consistent returns and long-term growth to shareholders from a leading position in its industry. The strategy to achieve this involves resilience and long-term commitment in fixed and human assets, and an unwavering focus on quality, efficiency and customer service.

Environmental, Social and Governance Report

The Hung Hing Printing Group's Environmental, Social and Governance Report (Report) provides insight on our sustainability policies and their execution for the benefit of our stakeholders. This report is presented in accordance with HKEX's ESG guidelines under Appendix 27 of the main board listing rules.

We strive to act as a responsible corporate citizen when we operate our business. Our ESG strategy is set by our Board of Directors and executed by senior management at our headquarters who monitors and reports to Board of Directors on the performance of each operating unit. A dedicated ESG team member within each operating unit conducts regular online research to identify any potential upcoming regulatory changes related to our operations, covering areas including but not limited to environmental and labour issues, and occupational health and fire safety. Members of the ESG team also participate in various online industry platforms to learn and share best practices and the most up-to-date information

relevant to us with industry practitioners and officials from local authorities.

This report covers Scope 1 and Scope 2 emissions data for all the operational business units under the Group's direct control except that of our subsidiary HH Dream Printing Co., Ltd in Vietnam which joined the Group in the last quarter of 2019.

In 2019, we invested over HK\$8.2 million in environmental protection equipment or facilities for the purpose of saving energy, generating clean energy and cutting emissions. Our use of volatile organic chemical (VOC) materials reduced by over 63% compared to 2018 (2019: 179.63 tonnes, 2018: 489.57 tonnes)

Information about our environmental and ethical performance is published on various websites that are accessible to members and cover upcoming trends in ESG in formats adapted to the interest of customers' industries. These websites are listed below:

Website name	Website address	Introduction
EcoVadis	www.ecovadis.com	A website for business sustainability information
Higg Index	https://Apparelcoalition.org	Information on sustainability for the 'Apparel Coalition'
RBA Responsible Business Alliance	https://www.rba-online.org	Formerly the 'Electronic Industry Citizenship Coalition' and now focused on 'Advancing Sustainability Globally'
ICTI-Ethical Toy Program	https://www.ethicaltoyprogram.org	Advancing ethical manufacturing in the toy industry
Sedex	www.Sedexglobal.com	A platform that promotes responsible supply chain management

Stakeholder Engagement

We follow a multi-channel strategy to keep stakeholders updated of our activities and collect their feedback. The table below lists the channels through which we interact with our different stakeholders and the types of information collected:

Stakeholder	Activities	Information Covered
Investors	Annual report; annual general meetings; company emails.	Compliance with evolving laws and regulations; business models that can support continued growth; business performance; adoption of new technology; geographical diversification.
Customers	Meetings; customer satisfaction surveys; factory audits; trade exhibitions; customers' Request For Information; Global Partners Conference; websites of regulatory bodies.	International environmental and ethical trends; knowledge of new technologies and market trends; material supply stability and material safety; conflict minerals; intellectual property protection; modern slavery prevention.
Employees	Regular worker representative meetings; suggestion boxes; suggestion emails; dedicated emails to Chairman and independent Board Director for whistle blowers; employee interest groups.	Suggestions on training, employee benefits, operational, factory and office facility improvements; employee recreational activities; pleasant working environment.
Suppliers	Supplier survey questionnaires; site visits; trade shows; business meetings.	Cost impact of higher safety and environmental compliance requirements; procurement management.
Community	Engagement with NGOs and charitable organisations.	Labour rights; employee health and benefits; long-term partnerships and collaboration with charitable organisations.
Government, Industry	Factory visits; seminars; industrial association gatherings; government websites, announcements.	Occupational health and safety; environmental protection; fire safety; career development opportunities; intellectual property protection.

All stakeholder feedback received is analysed and prioritised according to the level of concern and significance to our operation. This is displayed in the following material aspects chart:

Environment

- A. Reduction in use of plastic materials for packaging
- B. Environmental impact of our operations
- C. Environmental audit and credibility
- D. Energy use efficiency
- E. Adoption of new technologies in environmental protection

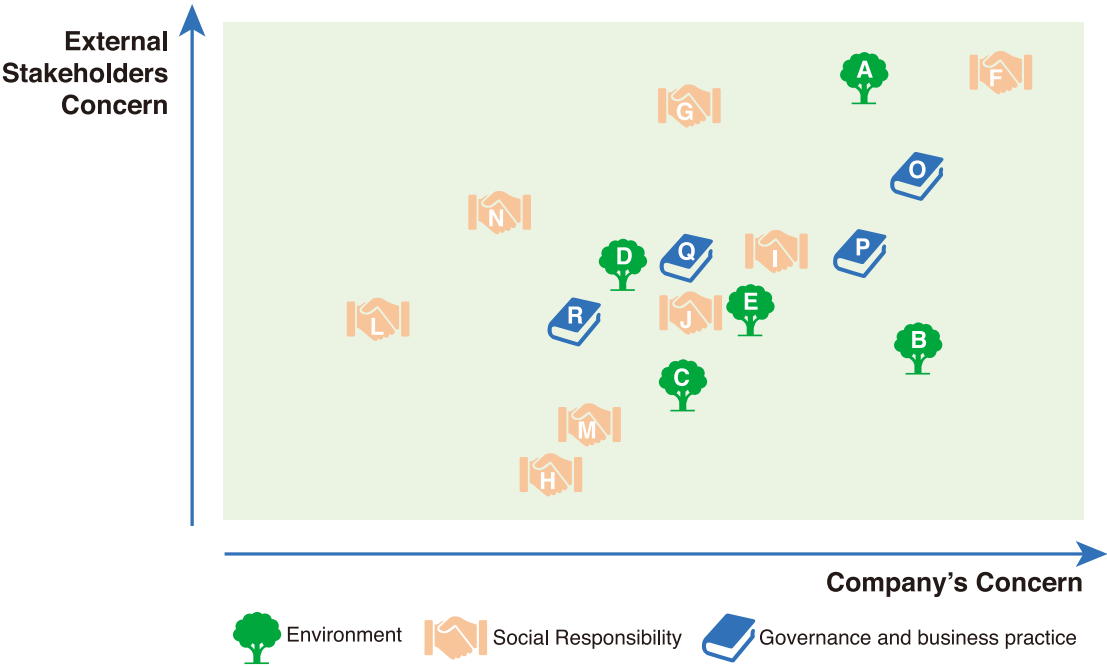
Social Responsibility

- F. Fire safety
- G. Protection of minors and provision of fair employment opportunities
- H. Modern slavery prevention

- I. Occupational health and safety
- J. Employee compensation and benefits
- K. Training and career advancement opportunities
- L. Conflict minerals
- M. Pleasant working environment
- N. Contribution to community

Governance and Business Practice

- O. Intellectual properties protection
- P. Ethical conduct with business partners
- Q. Anti-corruption measures
- R. Prevention and reporting of misconduct



Environment

Our Environmental Policy statement outlines our approach on sustainable manufacturing and forms part of our integrated Corporate Social Responsibility policy, which is accessible on our corporate website link: <http://www.hunghingprinting.com/en-US/environmental.php>. An analysis of stakeholders' environmental concerns in 2019 revealed that a reduction in the use of plastic or using more environmentally friendly forms of plastic was one of the top priorities. In response to these concerns, we have reduced our use of plastic packaging materials, namely nylon tape and polypropylene (PP) shrink wrap material by 11%, from 470.66 tonnes in 2018 to 414.98 tonnes in 2019. Plastic used within the operation to protect goods during transportation is either sold back to suppliers or collected for general recycling.

We made an investment of HK\$5.6 million to install equipment that helps to reduce our use of Volatile Organic Chemicals (VOC), or replace the chemicals used with a low VOC-content alternative. During the year we installed an additional set of central ink supply system in each of our Heshan and Shenzhen plants as part of our second phase investment in upgrading our facilities. The new central ink supply system uses large and reusable

ink containers that can store up to 200 kg of ink instead of smaller 2.5 kg containers that become hazardous waste after use. We also invested in automatic cleaning equipment for printing press blankets which helps eliminate the use of cleaners that contain high levels of VOC. These efforts enabled us to achieve a reduction of 128.55 tonnes (57%) in the use of VOCs in 2019 compared to 2018. Our workplace air emissions levels comply with all relevant Chinese air emissions standards ¹.

In order to reduce our reliance on fossil oil-based plastic materials, we have increased our use of Bio-PET which is a plant-derived replacement of the same and considered to have less impact on the environment. Aside from using more environmentally friendly material during our production processes, we also use sustainable materials in our own designs. Our product design division, Beluga, has created a series of handbags that use a recyclable yet robust type of paper that is water resistant.

The table below lists the environmental certificates or recognition obtained by our different operating units.

	Shenzhen	Heshan	Zhongshan	Wuxi
ISO4001	Yes	Yes	Yes	Yes
China Environmental Labelling product	Yes	Yes	Yes	
Bank of China EcoPioneer award	Yes	Yes		
ISO50001	Yes			



Use of Energy

In May 2019, a solar power system at our Hong Kong headquarters was connected to the power grid to start generating green energy. By the end of 2019, it generated a total of 172,000 kWh of electricity, accounting for around 10% of electricity consumption at our Hong Kong headquarters, which, according to a study², helped reduce CO₂ emissions equivalent to planting 14,800 new trees. Following this successful rollout, we are now considering the installation of a 2nd phase of the solar power system to cover the rest of the roof area of the Hong Kong office. In 2019 we also participated in the CLP Peak Demand Management initiative to regulate our electricity usage during peak demand hours on certain occasions over the summer season.

Electricity supply is reliable in both China and Hong Kong and electric equipment and vehicles are emissions-free. Therefore we have replaced more of our diesel fork lifts with electric ones, cutting our diesel consumption

from 253.63 tonnes in 2018 to 76.84 tonnes in 2019. The current diesel consumption is mostly accounted for by the group's HGVs. All vehicles owned by the group comply with relevant vehicle regulation in Hong Kong and China³.

Gas, including natural gas used in China and Towngas used in Hong Kong, is the second largest energy source consumed by the group. Gas is used as a heat source and for cooking purposes at our canteens and dormitories. Gas emits less greenhouse gases (GHG) compared to liquid fuels.

The following table shows the type of energy source we use and their purpose.

¹ Atmospheric Pollution Prevention and Control Law of the People's Republic of China

² <http://urbanforestrynetwork.org/benefits/air%20quality.htm>

³ Measures on Supervision of Exhaust Pollution from Automobiles in the People's Republic of China

Energy Source	Purpose	Consumption
Electricity	Power and heating	67,617 MWh
Natural gas	Steam boiler and cooking	3,256,472 M ³
Towngas (in Hong Kong)	Cooking	335,472 MJ
Diesel	Heavy duty vehicle fuel	76.84 tonnes
Unleaded petrol	Passenger vehicle	142.78 tonnes



Use of Resources

Paper is the primary raw material used in our operations. In 2019 our production lines consumed over 160,000 tonnes of paper. Paper is a renewable resource and ensuring we use it sustainably is key to combat climate change. We strive to support sustainable and well-managed forest plantations which is the sole source for the paper pulp we use. We have also made recommendations to customers to use recycled paper.

Our paper policy is outlined under the Environmental Policy section on our corporate website. We commit to only purchasing paper that come from legal sources. When available, paper with a Chain of Custody certification is preferred. In 2019, we consumed over 50,000 tonnes of paper with Chain of Custody certification and 90,000 tonnes of paper with high recycled content.

Ink, glue and coating materials are widely used in our operations and all these items include raw materials from fossil oils. We work with

our suppliers on an ongoing basis to identify more environmentally-friendly replacements with lower VOC. The use of materials with high VOC content has been reduced from 498.57 tonnes in 2018 to 179.63 tonnes in 2019.

All the water used in our operations comes from the municipal supply, which is a stable and reliable source for all our needs. No other water sources such as wells or surface water are used. Some rain water is collected for gardening and cleaning of open spaces. Drinking water, available freely to employees, is regularly tested to ensure safety⁴ with no contamination.

Water, though not a scarce resource, is vital to our lives and business and we use it responsibly. We have established procedures to check water meters regularly so any leaks can be detected early. We provide training to employees to promote the responsible use of water and reminders are posted above water taps.



Waste Handling

We encourage our employees to reuse materials wherever possible, such as carton boxes and wooden pallets, which are reused for internal transport. Office paper is printed on both sides, where possible. Materials that cannot be reused further are sorted into recyclable, non-hazardous and hazardous waste. In 2019, we recycled 46,475 tonnes of paper, 262 tonnes of metal and 558 tonnes of plastic. 1,010 tonnes of wood were sold to collectors and used for other purposes. Non-hazardous waste is disposed of as domestic waste. Hazardous waste

is collected by authorised agents⁵, whose environmental certifications are checked annually. Waste water from production is treated before being discharged and its quality is regularly checked to ensure compliance with regulations⁶.

⁴ Water quality standards for fine drinking water 飲用淨水水質標準(CJ 94-2005)

⁵ Regulation on the Management of the Shifting of Hazardous Waste (危險廢物轉移聯單管理辦法)

⁶ Water Pollution Prevention and Control Law of the People's Republic of China (中華人民共和國水污染防治法)

Social Responsibility

Employment

Employees’ well-being is one of our fundamental concerns and it is vital for us to attract and keep talented employees who have always helped us achieve success and will continue to do so in the future. Our manufacturing sites comply with various industry standards and are regularly audited by third parties. We take a zero-tolerance view on child and forced labour. We do not discriminate in any aspect of our employment on the basis of gender, race, religion, age, sexual orientation or ethnic origin. More information on our ethical policy can be found in the CSR policy section of our company website at <http://www.hunghingprinting.com/en-US/ethical.php>.

Many of our customers are concerned about modern slavery which is an umbrella term that covers human trafficking, forced labour, bonded labour or debt bondage as well as other situations in which a person is forced to work non-voluntarily. Our recruitment processes include steps (through observation and conversations) to get more background information on candidates to ensure they are coming to work of their own free will. Compliance with the labour laws of the regions in which we operate⁷ is a fundamental part of our employment practice.

⁷ Labor Contract Law of the People's Republic of China (中華人民共和國勞動合同法)

We have completed various audits of ethical standards which are outlined below:

Factory site	Audit standards
Shenzhen Factory	Sedex, RBA, ICTI-ETP, 3 client specific ethical audit
Heshan Factory	Sedex, ICTI-ETP, BSCI, 3 client specific ethical audit
Zhongshan Factory	Sedex, 1 client specific ethical audit
Wuxi Factory	3 client specific ethical audit

To help staff get discounts on consumer products, our Hong Kong office has formed a unit which we have named 'HH Marketplace'. This unit liaises with suppliers to get advantageous prices on bulk purchases and free delivery to our Hong Kong office on various types of consumer products for the benefit of our staff.



Development and Training

We provide various types of training to our employees at all levels. All new employees receive briefings on company policy. Production sites offer a more structured orientation course to all new employees to ensure they know how to work safely. They are also taught their labour rights, intellectual property protection laws and our anti-bribery policy. Work-related training is provided to machine operators which is often assisted by video demonstrations to enhance their understanding on safety procedures and effective operation of machines.

In 2019, we provided over 107,154 hours of orientation training to 57,647 attendees.

A total of 10,429 hours of operation and management skill training was provided to senior staff amounting to 3,416 attendees to help them upskill and progress in their careers. In 2019, a total of 99.5 hours of external paid training were conducted with a value of around HK\$32,140.



Health and Safety

Employees' health and safety at work is one of our top priorities. We keep safety in mind when we consider buying a new machine or designing a new process. When installing or relocating a machine, we evaluate the installation location to make sure it has enough space for operation; and that it complies with fire safety and has good air ventilation in its location. In sourcing new chemicals, suppliers must provide Material Safety Data Sheets (MSDS) and we follow precautionary steps and provide training to those that will use them. Personal protective gear is provided to those who need it in their operating environment. We provide yearly occupational health checks to those employees who are considered at risk.

In 2019, we received a toolkit and participated in a programme of safety best practice organised by a UK publishing industry association. We joined this programme in 2018. The toolkit provided recommendations based on a survey of factory safety and production managers about safety concerns in their own production environment.

We encourage our employees to enjoy a good work-life balance. Our employees have formed different sport teams to enjoy sports activities with colleagues in their leisure time, and sometimes participate in inter-company games during weekends.

Governance

Supply Chain Management

Part of our strategy to achieve our sustainability goals is to work closely with our suppliers to ensure they do so too. In working with suppliers, we take two different approaches. While selecting new materials and technology, we evaluate as many suppliers as possible and select those that provide the best solution while meeting our ESG requirements. This approach enables us to embrace new technologies and techniques and expand our supplier base. For mature materials or technology, we consolidate suppliers to a core number so each party can benefit from higher business volumes. With better business relationships in place, we can further build on our ethical and sustainable approaches. We run supplier meetings at different staff levels so partnerships become more open and transparent. We benefit from such close relationships by being able to sell waste paper and plastic back to suppliers; return containers to chemical suppliers; and reduce chemical testing and transportation costs.

We received numerous enquiries in 2019 from our customers about conflict minerals management. Conflict minerals, namely tin, tantalum, tungsten and gold (3TG), are primarily mined in conflict zones in Africa. We have reviewed all the raw materials we use and confirmed with suppliers that we do not use any minerals from conflict zones. We work responsibly with our suppliers to ensure no human rights are exploited across our supply chain.

In our active supplier list, over 98% are local suppliers in China or Hong Kong. This helps reduce our carbon footprint and shorten delivery times.



Anti-Corruption

Hung Hing takes a zero-tolerance stance on bribery. Every year during the festive period, we circulate company policy on anti-corruption and corporate guidelines to handle gifts to all employees. Our anti-corruption statement is also displayed in the meeting rooms in all of our production sites.

All new employees receive training on our policies with regard to anti-corruption. Whistle blower information is directly emailed to either our CEO or independent non-executive directors.

During this reporting period, there have been no reports on any channel of any misconduct. We are not aware of any legal proceedings regarding corrupt practices that have been brought against our Group and our employees.



Customer Satisfaction

Product safety and compliance with relevant environmental law and regulation⁸ is a major priority for our customers. We regularly test our materials against the latest safety and environmental standards to ensure compliance. Europe and various states in the USA have established a list of SVHC⁹ (Substance with Very High Concern), which are updated several times a year. We track these lists on an ongoing basis. We also subscribe to the newsletters of various testing laboratories so as to stay informed about the latest information in material safety. Upon coming across pertinent new information, we contact suppliers to confirm compliance or request them to find appropriate replacements. All of this work is documented in our ISO9000 quality management system to ensure product quality and regulation compliance. Whenever we receive complaints

from customers, we perform root cause analysis and create an improvement plan which is provided as feedback to customers. The case is closed only when there is evidence of correction or improvements which is accepted by the customer.

We also work closely with customers to help them improve their environmental performance. In 2019, we worked with a customer to replace plastic bag packaging with paper packaging for children books, which helped to remove thousands of plastic bags that would have ended up in landfill.

Community Involvement

As a responsible corporate citizen, we care about our employees and business partners, and the wellbeing of the community we operate in. We encourage our employees to participate in community activities, whether for charitable purposes or social inclusion. We donate to charitable bodies, who are often more skilled in providing appropriate community care.

In 2019, we donated a total of HK\$111,606 to 4 charities and provided a sponsorship of HK\$5,000 to a Vocational Training Council scholarship programme.

⁸ EN71 European Union Toys safety regulation; ISO8124 Safety of toys Standard; European Union Rohs (Restriction of the use of certain Hazardous substances in electrical and electronic equipment) regulation (Directive 2011/65/EU), European Union Packaging and Packaging Waste regulation (Directive 94/62/EC)

⁹ SVHC list under Europe REACH regulation (EC 1907/2006); CHCC list (Chemicals of high concern to children) under Washington state regulation WAC 173-334-130 SVHC; California Proposition 65

Subject Area A – Environment				
Aspect A1: Emissions				
Performance Indicator		2019 Data	2018 Data (Restated)	HKEx ESG Report Guide KPI
Emission*	Total sulphur dioxide SO ₂ emission (tonne)	4.53	4.91	KPI A1.1
	Total Carbon Monoxide CO (tonne)	0.02	0.07	KPI A1.1
	Total Volatile Organic Chemicals emission (tonne) (From production)	96.12	224.67	KPI A1.1
	Total Carbon Dioxide emission (CO ₂) (tonne)	17,332.34	17,336.15	KPI A1.1, A1.2
	Direct emission (Fuel, Natural Gas, Town Gas, Fire Extinguishers)	6,964.36	6,545.64	KPI A1.1, A1.2
	Indirect Emission (Electricity consumed, Town Gas)	10,367.98	10,790.51	KPI A1.1 A1.2
	Total nitric oxide NO _x emission (tonne)	0.25	0.33	KPI A1.1 A1.2
	Total greenhouse gas emission per million HKD of goods sold (tonne CO ₂ e)	5.65	5.31	KPI A1.2
Hazardous Waste	Solid and liquid hazardous from production and water treatment	660.94	507.09	KPI A1.3
	Total hazardous waste produced per million HKD of goods sold (tonne)	0.21	0.15	KPI A1.3
Non-hazardous Waste	Non-hazardous waste (tonne) (Office waste, paper, plastic not suitable for recycle, household waste from canteen and dormitories)	1,592.72	1,501.11	KPI A1.4
	Total non-hazardous waste produced per million HKD of goods sold (tonne)	0.52	0.46	KPI A1.4
Aspect A2: Use of Resources				
Energy	Fuel and Gas (MWh)	33,726	31,154	KPI A2.1
	Electricity (MWh)	67,617	69,204	KPI A2.1
	Energy consumed per million HKD of goods sold (MWh)	33	31	KPI A2.1
Water	In M ³ (Consumption by production, canteen and dormitory)	1,224,513	1,217,929	KPI A2.2
	Water consumed per million HKD of goods sold (M ³)	397	371	KPI A2.2
Paper	Total paper consumed by production (tonne)	182,098	185,332	KPI A2.2
Packaging material	Packaging materials are mainly nylon tape and PP shrinkage film (tonne)	414.98	470.68	KPI A2.5
	Packaging materials consumed per million HKD of goods sold (tonne)	0.13	0.14	KPI A2.5

Subject Area B – Social				
Employment and Labour Practices				
Aspect B1: Employment				
Performance Indicator		2019 Data	2018 Data (Restated)	HKEx ESG Report Guide KPI
Workforce	Total	7,056	8,223	KPI B1.1
	By gender			KPI B1.1
	Male	3,468	3,930	KPI B1.1
	Female	3,588	4,293	KPI B1.1
	By employment category			KPI B1.1
	Senior Management – male	177	146	KPI B1.1
	– female	85	65	KPI B1.1
	Middle management – male	339	493	KPI B1.1
	– female	443	568	KPI B1.1
	Worker – male	2,953	3,241	KPI B1.1
	– female	3,059	3,644	KPI B1.1
	By age Group			KPI B1.1
	At and below 30	1,224	1,923	KPI B1.1
	> 30-50	5,325	5,816	KPI B1.1
	over 50	507	484	KPI B1.1
	By geographic location			KPI B1.1
	Eastern china	471	505	KPI B1.1
	Southern china	6,243	7,413	KPI B1.1
	Hong Kong	342	305	KPI B1.1
Employee turnover rate	Total	58	53	KPI B1.2
	By gender			KPI B1.2
	Male	58	54	KPI B1.2
	Female	58	53	KPI B1.2
	By age Group			KPI B1.2
	At and below 30	88	75	KPI B1.2
	> 30-50	33	30	KPI B1.2
	over 50	12	20	KPI B1.2
	By geographic location			KPI B1.2
	Eastern china	45	42	KPI B1.2
	Southern china	60	54	KPI B1.2
	Hong Kong	12	13	KPI B1.2

Aspect B2: Health and Safety				
Performance Indicator		2019 Data	2018 Data (Restated)	HKEx ESG Report Guide KPI
Incident	Number of incident	20	24	KPI B2.1
	Number of work-related fatalities	0	0	KPI B2.1
	TIR (Total Incident Rate = number of incident per 200,000 work hours)	0.20	0.21	KPI B2.1
Lost days	Number of days lost due to work injury	1,398	1,116	KPI B2.2
	LTIR (Lost Time Injury Rate = number of days lost per 200,000 work hours)	111.72	79.74	KPI B2.2
Aspect B3: Development and Training				
Attendee	Total	61,063	67,793	KPI B3.1
	By gender			
	Male	28,706	31,214	KPI B3.1
	Female	32,357	36,579	KPI B3.1
	By employment category			
	Senior Management	1.10%	0.16%	KPI B3.1
	Middle management	4.49%	2.48%	KPI B3.1
	Worker	94.41%	97.14%	KPI B3.1
Training hour	Total	241,128	241,128	KPI B3.2
	By gender (Average hours)			KPI B3.2
	Male	3.03	3.81	KPI B3.2
	Female	2.89	3.34	KPI B3.2
	By employment category (Average hours)			KPI B3.2
	Senior Management	2.31	8.01	KPI B3.2
	Middle management	3.24	7.12	KPI B3.2
	Worker	2.95	3.47	KPI B3.2

Operating Practices				
Aspect B5: Supply Chain Management				
Performance Indicator		2019 Data	2018 Data (Restated)	HKEx ESG Report Guide KPI
Active Supplier	In China	1,594	1,045	KPI B5.1
	In Hong Kong	304	77	KPI B5.1
Aspect B6: Product Responsibility				
	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	0.0000%	0.0000%	KPI B6.1
	Number of products and service related complaints received	743	483	KPI B6.2
Community				
Aspect B8: Community Investment				
	Total value of money and product donation	116,606	160,450	KPI B8.2

* Diesel and gasoline emission data according to GHG emission from fuel type, mobile combustions sources in Appendix 2:Reporting Guidance on Environmental KPIs http://www.hkex.com.hk/-/media/hkex-market/listing/rules-and-guidance/other-resources/environmental-social-and-governance/how-to-prepare-an-esg-report/app2_kpis

Direct emission data according to Towngas bill data; Towngas indirect emission data according to Towngas 2018 Sustainability Report <https://www.towngas.com/en/Social-Responsibility/Sustainability-Report?type=Sustainability-Report&year=2018>;

Natural gas emission data according to 2006 IPCC Guidelines for National Greenhouse Gas Inventories <http://www.ipcc-nggip.iges.or.jp/public/2006gl/index.html>

China electricity emission data according to China Southern Grid 2018 CSR Report http://eng.csg.cn/Social_Responsibility/Social_Responsibility_Report/201905/P020190523361009432864.pdf

Hong Kong electricity emission data according to CLP 2018 Sustainability Report <https://www.clpgroup.com/en/sustainability/sustainability-reports?year=2018>

2019 HONG KONG STOCK EXCHANGE ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) CONTENT INDEX

Indicators	Description	ESG report Page
Subject Area A. Environmental		
Aspect A1: Emissions		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Page 3,6~7
KPI A1.1	The types of emissions and respective emission data.	Page 16
KPI A1.2	Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). Scope 1 emissions	Page 16
KPI A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity.	Page 16
KPI A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity	Page 16
KPI A1.5	Description of measures to mitigate emissions and results achieved.	Page 6,8
KPI A1.6	Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved.	Page 6,10
Aspect A2: Use of Resources		
General disclosure	Policies on the efficient use of resources, including energy, water and other raw materials.	Page 8~10
KPI A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	Page 16
KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	Page 16
KPI A2.3	Description of energy use efficiency initiatives and results achieved.	Page 8
KPI A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved.	Page 9
KPI A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	Page 16

Aspect A3: The Environment and Natural Resources		
General disclosure	Policies on minimising the issuer's significant impact on the environment and natural resources.	Page 9
KPI A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	Page 9
Subject Area B. Social		
Employment and Labour Practices		
Aspect B1: Employment		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Page 11~12
KPI B1.1	Total workforce by gender, employment type, age group and geographical region.	Page 17
KPI B1.2	Employee turnover rate by gender, age group and geographical region.	Page 17
Aspect B2: Health and Safety		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Page 13
KPI B2.1	Number and rate of work-related fatalities.	Page 18
KPI B2.2	Lost days due to work injury.	Page 18
KPI B2.3	Description of occupational health and safety measures adopted, how they are implemented and monitored.	Page 13
Aspect B3: Development and Training		
General disclosure	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.	Page 12
KPI B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	Page 18
KPI B3.2	The average training hours completed per employee by gender and employee category.	Page 18

Aspect B4: Labour Standards

General disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.	Page 11
KPI B4.1	Description of measures to review employment practices to avoid child and forced labour.	Page 11
KPI B4.2	Description of steps taken to eliminate such practices when discovered.	Page 11

Operating Practices**Aspect B5: Supply Chain Management**

General Disclosure	Policies on managing environmental and social risks of the supply chain.	Page 14
KPI B5.1	Number of suppliers by geographical region.	Page 19
KPI B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored.	Page 14

Aspect B6: Product Responsibility

General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.	Page 15
KPI B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Page 19
KPI B6.2	Number of products and service related complaints received and how they are dealt with.	Page 15,19
KPI B6.3	Description of practices relating to observing and protecting intellectual property rights.	page 12
KPI B6.4	Description of quality assurance process and recall procedures.	page 15
KPI B6.5	Description of consumer data protection and privacy policies, how they are implemented and monitored.	Do not possess consumer data

Aspect B7: Anti-corruption		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	Page 14
KPI 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.	Page 14
KPI B7.2	Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored.	Page 14
Community		
Aspect B8: Community Investment		
General Disclosure	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests.	Page 15
KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	Page 15
KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	Page 19