

**China Display Optoelectronics Technology Holdings Limited** 

華顯光電技術控股有限公司 (Incorporated in Bermuda with limited liability) (Stock Code: 334)

# Environmental, Social and Governance Report **2017**





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For the twelve months ended 31 December 2017 (the "Review Period"), the Group actively implemented smart manufacturing and green plants. Adopting advanced and international industrial equipment as well as self-developed technology, the Group launched automated and smart production process to ensure product competitiveness in terms of energy saving, stability and functionality. According to the market analysis provided by an independent third party, China Display was ranked the fourth in the PRC smartphone display module industry in 2017.

The Group builds upon the present and strives for a bright future. In pursuit of growth driven by leading technology and professional development, it explores the market with cutting-edge technology, integrates talent, technology, market and industry resources, and develops core technology with proprietary intellectual property, so as to become a modern high-tech enterprise with core competitiveness. Currently, the Group has commenced its operation and management. It has established long-term cooperation with a number of top-tier smart mobile device brands as well.

With respect to corporate culture, the Group encourages positive work attitude by instilling a culture of accountability, which highlights that "serving the customers is every employee's responsibility". Besides, in order to boost product quality, the Group strengthens the quality culture that emphasises on "zero defects management for value creation and doing things right the first time". As to social responsibility, the Group has set up the energy management system for the standardised management of the energy system and required all employees to participate in energy conservation. Furthermore, it rolled out various special energy saving improvement projects to reduce greenhouse gas emission, so as to fulfil the social responsibility through environmental protection. With regard to employee care, the Group has a regular communication mechanism in place and attaches great importance to staff's health and safety. With the aim of motivating employees' growth, not only has it come up with a career development plan for them, it has also optimised their remuneration system.

Embarking on a new journey, the Group will expand the business scope in 2018 by capitalising on the existing capital platform and the upstream LTPS panel, technology and customer resources of Wuhan CSOT. It will stay committed to its social responsibilities and better reward the stakeholders in the coming year.

**LIAO Qian** *Chairman* Hong Kong, 26 July 2018



# 2.1 CORPORATE PROFILE

Founded in August 2004, China Display Optoelectronics Technology Holdings Limited (the "Company") and its subsidiaries (together as "China Display" or the "Group") are primarily engaged in the research and development, manufacturing, sales and distribution of LCD modules mainly for handheld mobile devices on an original design manufacture basis. The Group conducts research and development of and supplies LCD modules mostly to manufacturers of handheld mobile devices. Its products are popular among domestic and overseas manufacturers, with sales volume ranking among the top in the industry. During the Review Period, the Group adopted a "professional, simple and diligent" approach in creating value for customers, bringing opportunities for employees, offering benefits for shareholders and taking responsibility for society. The Group has set its goal to becoming a trustworthy and leading small-to-medium sized display module enterprise with global competitiveness.

# 2.2 CORPORATE GOVERNANCE

# **Governance Structure**

With the mission of developing into a leading LCD module enterprise, the Group has established the board (the "Board") of directors (the "Directors") to maintain sound corporate governance and business practices. There are four special committees of the Board, namely the audit committee, remuneration committee, nomination committee and executive committee. The Board is responsible for formulating the business plan, long-term strategy and business development objective of the Group. Matters relating to professional expertise are approved by the special committees before submitting to the Board for consideration in accordance with its terms of reference.

#### **Corporate Governance**

During the Review Period, the Board comprised 8 Directors, which included Mr. LIAO Qian as the Chairman and nonexecutive Director; Mr. LI Jian, Mr. OUYANG Hongping, Ms. Yang Yunfang (resigned as a Director on 23 March 2018) and Mr. ZHAO Yong as executive Directors; and Ms. HSU Wai Man Helen, Mr. LI Yang and Mr. XU Yan as independent non-executive Directors. The Board holds regular Board meetings to review the Group's financial and operational performance, discuss and devise development plans, and monitor the implementation of social responsibilities. During the Review Period, 4 regular meetings, 15 additional meetings and 2 general meetings were held. All members of the Board have performed their duties in accordance with their respective terms of reference and relevant laws and regulations, and, among others, reviewed the remuneration policies and structure, discuss long-term incentive plan and compensation packages of Directors, assessed the completeness and accuracy of financial reports, monitored the Group's compliance with applicable laws in conducting its business and evaluate the effectiveness of internal control and risk management systems. A set of risk management and internal control policies and procedures has been adopted by the Group to safeguard its assets and ensure the safekeeping of accounting records and credibility of financial reports, so as to maintain compliance with applicable laws and regulations.

## 2.3 TECHNOLOGY INNOVATION

#### **Research and Development Capability**

The Group has a strong research and development ("R&D") team. As of 31 December 2017, there were 74 R&D personnel aged under 40 with open mind and outstanding learning ability. Of which, approximately 82% of them had a bachelor's degree or above, and approximately 35% of them had served for over 5 years and had extensive industrial experience and expertise in machinery, electronics, optics, informatization and software. The Group continually enhances its R&D capabilities to stay at the forefront of the display devices industry. During the Review Period, the Group commenced technical cooperation with renowned Taiwanese, Korean and Japanese market players. Furthermore, it formed the software development team for in-house development of the software testing platform, optimisation of product development process and enhancement of product testing efficiency.

In terms of technology pre-research, the Group always keeps track of customer demand to transform technical capabilities into commercial value. During the Review Period, the Group achieved breakthroughs in various core technologies, including the wide application of the full-auto colour correction technology and coating for on-cell touch displays. In addition, it introduced new full-screen notch-cutting products, developed bezel-less models, 3D covers and curved surface lamination, modules for ultra-narrow bottom bezels and frontier technology, and conducted pre-research on vehicle-based products.

## • Full-screen display module

The product was accredited as High and New Tech Product of Guangdong Province. Adopting the self-developed design of ultra-narrow bezel structure, it enabled the mass production of the 0.6 mm narrow bezel module. The implementation of the self-developed 3D lamination equipment renovation solution facilitated the mass lamination of 3D covers.

#### • Notch-cutting display module

The product was accredited as High and New Tech Product of Guangdong Province. The self-developed LCD notchcutting technology and the notch backlight design solution improved the display performance and enabled the mass production of notch-cutting display modules.

## • Indium gallium zinc oxide ("IGZO") display module

The technicians overcame several issues such as electrostatic discharge (ESD) and significant chromatic aberration, and succeeded in the development and mass production of 5.0 inch IGZO in-cell products.



During the Review Period, the Group applied for 75 patents and was granted 41 patents.

#### **Advanced Equipment and System**

During the Review Period, the Group made outstanding progress in enhancing automatic production equipment. The introduction of equipment and renovation of existing facilities as planned have resulted in fully automatic front-end process as well as remarkable improvement in the automation rates of the full lamination workshops and assembly workshops.

#### **Information-based Management**

The product lifecycle management system enabled the Group to increase efficiency of R&D projects, process and documentation. The system facilitates the sharing of experience and reuse of design, shortens the R&D cycle and supports paperless operations. In addition, it helps data collection and analysis, which forms the basis of decision making. In 2017, the Group upgraded and improved the product lifecycle management system in the following aspects:

- Introduced a more user-friendly new system interface and improve the processing speed;
- Provided better customer service by adopting the "problem management" model, which integrates departmental management of issues with projects for more effective information exchange and problem solving in a closed-loop manner;
- In the future, the new system will synchronise information of the product lifecycle management system to the enterprise resource planning system, so as to boost the efficiency of data compilation.

In May 2017, the Group launched the enterprise resource planning system, which covered five major aspects of management, namely, sales and distribution, material, production planning, finance and cost control. The system greatly improved data compilation of the supply chain platform and optimised the cost accounting system of the Group, hence employees could keep up with the status of materials in a timely manner and perform cost accounting. In September 2017, the Group introduced the automatic office system to encourage e-office practices, with the view of increasing work efficiency and reducing paper consumption.

## 2.4 SOCIAL RESPONSIBILITIES

The Group has formulated and implemented the social responsibility management system that highlights the "customerfirst approach and risk management; energy saving and emission reduction, green production; staff caring and compliance; ongoing improvement and harmonious development". During the Review Period, China Display did not only optimise the existing quality, occupational health and safety, environmental, toxic and hazardous substances and social responsibility management system, but also established the ISO50001 energy management system and ISO14064 greenhouse gas management system in accordance with international standards. During the Review Period, the Group has undergone 17 reviews, supervisions and inspections by its customers, certification bodies and government entities. It has not encountered any material issues and complaints, and is recognised by assessment units and nearby communities.

Some certificates and reports of various management systems are set out below:



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## 2.5 COMMUNICATION WITH STAKEHOLDERS AND ANALYSIS ON MATERIAL ISSUES

## Communication with Stakeholders

China Display has a wide range of stakeholders, including government, customers, shareholders/investors, employees, suppliers and communities. The Group maintains two-way communication with stakeholders through financial reports, ESG reports, surveys, regular dialogue and meetings. Details are set out in the table below:

Stakeholders	Communication channels
Government	Meetings, document study, government inspections and information disclosure
Customers	Customer approval, business training, customer satisfaction survey and day-to-day communication
Shareholders/Investors	General meetings, investor conferences and industry conferences
Employees	Employee communication meetings, opinion box, social media, hotline and mailbox
Suppliers	Supplier training, supplier audit, regular meeting and day-to-day communication
Community	Volunteer activities, community events and day-to-day communication

## Material Issues

We aim to understand and address the most material issues to stakeholders and China Display. The Group believes the following material issues are the most significant ones:

Most concerned issues	Category	Management indicator	Performance in 2017
Integrity and compliance in operation	Corporate Governance	Complaint on non-compliance	0 case
Occupational health	Health and safety	Cases of occupational disease	0 case
Production safety management	, Health and safety	Serious casualties	0 case
, ,		General work-related injury	0.12%1
Protection of intellectual property rights	Product responsibility	Number of patents	41 items
Quality management	Product responsibility	Accident rate of product safety accident	0%
Hazardous substance management	Product responsibility	Customer complaint on non-compliance of hazardous substance	0 case
Anti-corruption	Anti-corruption	Case of corruption	0 case

Note:

1. General work-related injury = Number of work-related injury for the year/total number of employees

## 2.6 HONOURS AND RECOGNITION



"Quality Improvement Award" at 2017 Chino-e Supplier Conference



"Newcomer Award in Innovation and Entrepreneur" of Zhongkai Hi-tech Development Zone, Huizhou



"2016/17 Outstanding Demonstration Enterprise" from the Bureau of Commerce of Huizhou Municipality



# 3.1 MARKET AND CUSTOMER

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The Group takes the customer-oriented approach and places emphasis on brand and business development. While consolidating the in-depth cooperation with customers, it also seeks to explore business channels. It concentrates on high-end products, maintains product quality and responds quickly to the changing market. Through years of customers relationship management experience, the Group has established itself as the industry leader and lays a solid foundation for sustainable corporate development.

During the Review Period, the Group became the first in mass production of full-screens display modules in the PRC, which did not only strengthen its ability to explore new business, but also garnered recognition of industry peers and customers. In order to further improve customer service, the Group sets customer satisfaction as its key indicator and breaks it down for all departments and positions so as to encourage employees to meet the demands of clients and internal customers and boost competitiveness.

In terms of after-sale services, the Group has a well-established processing procedure and a set of detailed working guideline for return material authorization (RMA), review and packaging, which facilitate refined and standardised operation and the processing procedure will not vary from person to person. During the year, China Display introduced the review of

customer complaint improvement report and built the customer complaint management mechanism, with a view to boosting staff commitment. The after-sale service team maintains frequent communication with customers and ensures timely handling of customer complaints to enhance the efficiency in case handling. During the Review Period, **rate of external failure cost** recorded a year-on-year decrease of 20.1%.

## RATE OF EXTERNAL FAILURE COST

External failure cost refers to the economic loss due to after-sale quality issues of products;

Rate of external failure cost=accumulated external failure cost/revenue



## PROCEDURE FOR HANDLING CUSTOMER COMPLAINTS



## 3.2 QUALITY MANAGEMENT

## **Quality Assurance**

## • Quality system planning

During the Review Period, the Group replanned and rearranged all systems and procedures by capitalising on the opportunities brought by the ISO9001:2015 certification of Huizhou Production Base. It set customer satisfaction and **rate of quality failure cost** as the key quality indicators and commenced the establishment of the quality assurance system. This boosted workflow efficiency and the ability of risk prevention, as well as raising the responsible team's awareness on stakeholders' expectation, and hence improving the Group's core competitiveness.

#### RATE OF QUALITY FAILURE COST

Quality failure cost refers to the economic loss due to sub-standard products; Rate of quality failure cost = accumulated internal and

external quality failure cost/revenue

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# 3. Corporate Operation

#### Prevention-oriented approach

Based on the zero-defect management concept for value creation, the Group focuses on customer demand and potential demand. It strives to identify and eliminate product quality risk through the preventive quality assurance system at the early development stage, thereby ensuring successful mass production and delivery of products. During the Review Period, the Group optimised the quality control program and connected various areas of quality control, including component quality, process quality, delivery quality and after-sale quality, with a view to improving the quality of new products.

#### • Optimise product quality and enhance customer satisfaction

During the Review Period, the Group optimised the introduction and certification process of "new technology, new production process and new materials". In the course of product development, China Display adopted the Six Sigma quality tool in a more stringent and thorough manner. It also strengthened the quality standard and conducted the certification of new materials, components and products in accordance with quality standards that could enhance customer satisfaction and cater for their needs.

The Group improved the testing technology by introducing inspection and control of key production process and optimising the testing processes. For example, it adopted network-based management of all testing records for regular analysis, such as touch screen test and burning test.

The Group has implemented standardised management on man, machine, material, method and environment (4M1E) in the production line. It has an incentive system for production line quality to enhance stability of the quality of product manufacturing.

During the Review Period, the Group invested approximately RMB4.00 million in optimisation of the laboratory, which expanded its area from 340 sq.m. to 900 sq.m, and added 19 testing devices as well as a chemical laboratory. At the same time, the Group recruited 3 engineers and 6 technicians to greatly boost laboratory capabilities. This ensures early detection of product issue and improves product quality.

During the Review Period, the Group did not record any product recall or product safety incident. In terms of customer satisfaction, the Group is ranked among the top in the industry.

#### Lower the rate of quality failure cost

During the Review Period, the Group set up the quality failure cost management committee and established the corresponding management procedure. It broke down items of quality failure cost and launched special improvement campaign at the company level. Through Six Sigma and quality control cycle improvement project, it increased the first pass yield and lowered the product return rate. In 2017, the rate of quality failure cost went down by 18.2% year-on-year.

3. Corporate Operation

### 3.3 SUPPLY CHAIN MANAGEMENT

The supply chain is integral to product quality and plays an important role in corporate sustainable development. The Group attaches great importance to supply chain management, hence it has established and optimised the supply chain management system on an ongoing basis.

#### Selection of suppliers

The Group incorporates sustainability in the core development strategy, while working with partners and suppliers in pursuit of a reasonable sustainable growth model. It commences cooperation based on the principles of "fairness, equality and common development", assigns experts for various component sector in supply chain management for regular supplier consultation, organises technical exchange meeting and maintains close communication, with the aim of promoting mutual growth. The Group also takes into account its responsibility to the environment and society in managing the introduction of components and improves the supply chain continually, so as to keep incoming materials in line with the needs of sustainable environmental and social development.

The Group carefully selects suppliers based on a well-established and stringent mechanism, thereby meeting the requirements of sustainable development. To assess social and environmental impact in selecting suppliers, China Display evaluates suppliers' commitment to social responsibility, their geographical location, in addition to their capabilities, quality of components, service and pricing.

During the Review Period, 76% of the Group's suppliers were located in Southern China, near the Huizhou Production Base. Moreover, all suppliers passed the ISO9001 Quality Management System and ISO14001 Environmental Management System assessments. Over 40% of the major suppliers obtained the QC080000 Hazardous Substance Process Management and OHSAS18001 Occupational Health and Safety Management System certificates. In November 2017, the Group held two training sessions for major suppliers under the themes of "Social Responsibility Management System" and "Toxic and Hazardous Substance Process Management System", where it explained relevant requirements to suppliers and urged them to fulfil their social responsibilities.

#### Supplier approval

The Group conducts on-site visits to suppliers in accordance with stringent quality and environment assessment standards, so that suppliers are introduced in an open and transparent manner.

Major considerations in supplier approval of the Group include:

- (1) whether the supplier has obtained the business license as required by laws and has the necessary funds;
- (2) whether the supplier has established the quality system in accordance with national (international) standards and passed the certification, and whether it has implemented control over the responsibility in relation to the environment, toxic and hazardous substance and society;
- (3) whether the supplier has sufficient production capacity to meet the business needs of the Group;
- (4) the list of current/past customers;
- (5) priorities are given to suppliers with higher quality for the same price, suppliers with cheaper price for the same quality, suppliers in proximity for the same price and quality.

#### Monthly supplier audit and consultation

The Group keeps abreast of supplier management through monthly supplier audit. It suspends the order of failed suppliers and disqualifies suppliers which have failed multiple times. During the Review Period, the Group has conducted 318 onsite audit in total.

# 3. Corporate Operation



## Supplier audit and quality management process

## 3.4 TOXIC AND HAZARDOUS SUBSTANCE MANAGEMENT

In terms of toxic and hazardous substance management, China Display continues to optimise the production process in accordance with QC080000 Hazardous Substance Process Management. It also strictly follows the operating standards and implements control over materials, auxiliary materials, tools and products in the course of design, procurement, production and finished products, so that they are in compliance with domestic and international laws and

#### **CONFLICT MINERALS**

The extraction of rare metals, such as cassiterite, wolframite, coltan and gold, in Democratic Republic of Congo and nearby countries and regions has caused serious violations of human rights and environmental problems

regulations such as the EU's RoHS Directive, Halogen-free Legislation, REACH Regulation, the ban of **conflict minerals** and the Montreal Protocol. During the Review Period, China Display made three updates to the "Standards for Toxic and Hazardous Substance Control" as per customers' requests, which covered 317 toxic and hazardous substances (including 14 class I controlled substances, 118 class II controlled substances, 27 controlled substances in production process and 4 kinds of conflict minerals). The Group performs regular supplier assessment and assigns dedicated staff for review and management of third-party testing reports provided by suppliers.

During the Review Period, China Display has not received any complaint on toxic and hazardous substances.



4.1 **RESOURCES CONSERVATION** 



The consumption of electricity, water and packaging materials at the Huizhou Production Base accounts for most of the resources consumption of China Display. Meanwhile, the cutting, injection and lamination process of display modules lead to wastewater discharge. To overcome the energy saving challenges brought by rapid business development and production automation upgrade, China Display launched various management initiatives to strictly control resources consumption and reduce wastage. Currently, the Huizhou Production Base has obtained the ISO14001 Environmental Management System certification.

During the Review Period, the Group promoted energy saving on a regular basis to raise staff awareness. At the same time, China Display set up a special team on energy saving and emission reduction to monitor energy consumption and introduced a number of renovation projects and measures for resources conservation, which included:

- Established a real-time inspection system to regulate and analyse electricity consumption by workshop equipment, air conditioning and lighting system on a regular basis; turned off the power after using workshop equipment to prevent idling.
- Modified 2 washing machines and 50 vacuum lamination machines, which upgraded their functions and reduced energy wastage due to idling.

During the Review Period, China Display engaged SGS, a third-party inspection body, to assess and review the air compressing system and overall energy consumption. Based on the results, the Group implemented a series of improvement measures, including (1) regular inspection of gas-fired units to avoid pipeline leaks; (2) adjustment to temperature at the air compressor room and (3) installation of sensors for major gas-fired equipment to eliminate the waste of resources.

During the Review Period, the Group exercised control over the use of packaging materials to cut resources consumption. In respect of packaging design, it selected premium packaging materials and tested their quality through simulation tests to reduce wastage. Furthermore, the Group enhanced inventory management in order to cut down on the inventory and retention of packaging materials.







Notes:

- 1. Electricity consumption per value = Total electricity consumption/Total revenue
- 2. Water consumption per value = Total water consumption/Total revenue
- 3. Gas consumption per value = Total gas consumption/Total revenue
- 4. Packaging material consumption per value = Packaging material consumption/Total revenue
- 5. In 2016, the Group adopted "water (electricity) consumption per unit" (i.e., total water (electricity) consumption/sales volume) as the indicator for water and electricity consumption. In 2017, there were remarkable changes in the product mix and product complexity of the Group, hence sales volume of products involving more production processes and larger energy consumption took up significantly higher proportion. Thus, the Group has adopted "water (electricity) consumption per value" (i.e., total water (electricity) consumption/revenue) for 2017 to better reflect change for the period.

## 4.2 EMISSION REDUCTION

The Group manages the emission of industrial wastewater, waste and greenhouse gas as required by laws and regulations. During the Review Period, China Display strengthened the sewage treatment facilities and improved the treatment of wastewater, exhaust gas and noise. Professional tests conducted by independent third-parties showed that the emission and treatment of wastewater, exhaust gas and noise were in compliance with the national standards of the People's Republic of China during the Review Period.

## **Industrial Wastewater and Waste**

The industrial wastewater of the Group mainly comes from the cleaning process of the Huizhou Production Base. During the Review Period, the Huizhou Production Base utilised chemical water in the cleaning process in place of ultrasonic cleaning, so as to meet the production requirements of high-end laminated module products. As a result, the Group produced more sludge from industrial wastewater and sewage treatment which hazardous waste also increased. In particular, hazardous waste per value went up by approximately 4.7 times year-on-year. Details are set out in the table below:

Indicator	Unit	2016	2017
Total hazardous waste	kg	6,676	31,717
Hazardous waste per value	g/RMB'0001	1.80	10.24
Total industrial wastewater	tons	12,664	37,057
Industrial wastewater per value	g/RMB'000	3,449	11,964

Note:

1. The calculation of hazardous waste per value as disclosed in the 2016 Environmental, Social and Governance Report of the Group is based on "total hazardous waste/total sales volume". In 2017, there were remarkable changes in the product mix and product complexity of the Group, hence the Group adopted "total hazardous waste/total revenue" for calculation of hazardous waste per value to better reflect change for the period.

In order to reduce industrial wastewater and ensure that sewage discharge meets the standards, the Huizhou Production Base adjusted the sewage treatment agents several times and established the sewage testing station, where professional engineers monitored sewage treatment process and results on a daily basis. Sewage purified by the treatment system is discharged only if it passes the test and is up to standards. Since September 2017, China Display has engaged professional sewage treatment companies to process industrial wastewater. The above measures have greatly reduced the sludge produced from industrial wastewater and sewage treatment. Monthly average sludge production was 0.7 ton for the fourth quarter of 2017, representing a decrease of 67% as compared to 2.1 tons for the monthly average of the last three quarters. During the Review Period, the wastewater treatment rate and legal transfer rate of hazardous waste of China Display reached 100%.

In 2018, the Group will implement the accountability system and the engineering department, administrative division and quality assurance department will jointly optimise the existing mechanism. The engineering department will research on adjusting the pure water cleaning process to reduce industrial wastewater; the administrative division will engage professional companies to control the types and quantity of agents used in keeping the water quality up to standards, thereby minimising the discharge of hazardous sludge; the quality assurance department will designate staff to monitor wastewater and sludge discharge. In case of exceedance, the department must issue alert and take rectification actions.

Details of other non-hazardous wastes are as follows:



During the Review Period, China Display established the greenhouse gas management system in accordance with ISO14064-1 and conducted the first survey based on such standard. The results are as follows:

	Unit	Direct emission <sup>1</sup>	Indirect emission <sup>2</sup>	Total
CO2	tons	522	15,971	16,493
Percentage	%	3.17%	96.83%	100%

Notes:

Direct emission refers to greenhouse gas emitted from sources owned or controlled by the organisation.

<sup>2</sup> Indirect emission refers to greenhouse gas emission produced from consumption of purchased electricity, heat and steam by the organisation.







#### 5.1 HEALTH AND SAFETY

The Group attaches great importance to workplace safety and employees' occupational health. China Display has established the OHSAS18001 Occupational Health Management System and passed the SGS certification. The Group has formed a specialised safety management team for occupational health and safety management, together with a well-established set of occupational health and safety management procedure to provide guidance for relevant initiatives. Each of the management members has entered into individual "safety responsibility statement", which stipulates that health and safety are their main tasks and includes the same in the appraisal. The Group organises safety training and emergency drills on a regular basis, with a view to raising occupational health and safety awareness and relevant skills of the management, high-risk employees and general staff. Through regular safety checks, the Group has timely identified and rectified potential hazards.

#### **Management** Measures

#### • Well-established safety system

The Group has established the Production Safety Committee (the "Production Safety Committee") to lead the safety management and assurance system. The Production Safety Office, which is under the Production Safety Committee, is mainly responsible for the construction and planning, management and inspection, follow up and implementation, liaison and coordination of overall production safety and occupational hygiene initiatives of the Group. During the Review Period, the Production Safety Office strengthened team building and optimised the internal security precaution system, which created a secured environment for the Group's development. The Group has not encountered any major criminal, security or disaster incidents, or material loss of property due to security issues during the Review Period.

The Group spares no efforts in continuously promoting and improving production safety. During the Review Period, China Display invested approximately RMB4.45 million to enhance production safety. The cost breakdown is as follows:



## Safety inspection

During the Review Period, the safety officers, volunteer safety officers and firefighters conducted regular internal and external inspection. They also supervised the completion of rectification projects and identified no potential work-related hazards.

## • Production safety training and promotion and education

Production safety training is crucial for safe production, enhancing staff's safety standards and reducing human error. During the Review Period, over 5,200 people participated in safety training and passed the assessment. This improved employees' safety knowledge and minimised production safety accidents by raising prevention awareness. Certificates are required for special operation staff of the Group to prevent unlicensed employment.

• High-risk operation control

The Production Safety Office maintains strict control over high-risk operations. Prior to commencement of operation, safety inspection must be carried out to confirm that it has met the safety conditions. In the course of operation, the safety officers will follow up on site to ensure smooth operation. During the Review Period, the Group had a general work-related injury rate of 0.12% (38 days lost due to work-related injury) and recorded no serious casualties of employees.

• Emergency drill

During the Review Period, the Group organised three fire evacuation drills and one chemical accident drill, with the aim of raising employees' fire safety awareness, boosting their abilities to handle fire accidents and promoting the operability of the emergency plans of testing companies. During the Review Period, the Group had no fire and chemical spill accident.



Fire drill-learning how to use fire extinguisher



Fire drill-learning how to use gas mask

#### Information-based safety management

During the Review Period, the Group introduced production safety management software to promote informatisation. The software regulated the management of production safety information, strengthened production safety analysis, and kept abreast of the change in production safety of the Group, so as to prevent production safety issues due to management deficiency.

#### • Occupational health management policy and measures

In accordance with the requirements of the "Law on Prevention and Control of Occupational Diseases of the People's Republic of China" and relevant laws and regulations, the Group engaged an independent third-party professional testing agency to conduct inspection and analysis of occupational hazards of Huizhou Production Base in November 2017. Test results were all in line with national standards.

During the Review Period, the Huizhou Production Base introduced fully automatic equipment to reduce employees' exposure to occupational hazards. It also isolated workshops with a higher level of chemical consumption from other workshops, as an attempt to limit employees' active and passive exposure to occupational hazards. Through the above measures, the number of employees exposed to occupational hazards at Huizhou Production Base decreased year-on-year by 55% to 227 as at 31 December 2017 (2016: 504).

During the Review Period, the Group arranged occupational health checks for all current and former employees. The physical examination results showed no cases of occupational diseases.

## 5.2 EMPLOYMENT

The Group regards employees as its valuable assets and the cornerstone of its sustainable development. Thus, it believes in respecting every one of them. During the Review Period, over 10% of the Group's employees have served for more than five years.

The recruitment and selection policy of the Group offers equal opportunity to candidates. Aiming at "avoiding kinship influence and suspicion, and achieving meritocracy", and adhering to the principles of "fairness, equality and openness", the Group treats job applicants the same and provides them equal opportunity, regardless of their race, skin colour, religious belief, disability, political affiliation, age and gender. As at 31 December 2017, the Group had 22 disabled employees.

#### Labour standards

The Group recognises that, not only do child labour and forced labour violate basic human rights and international labour conventions, they also pose threats to sustainable social and economic development. It maintains strict compliance with the "Labour Contract Law of the People's Republic of China", undertakes not to employ minors under 16 and forced labour. The Group regularly reviews recruitment management and procedures, and conducts checks on employees' actual age, including verifying their identification documents and keeping detailed records in the system.

The Group respects employees' wills and rights, hence it follows only the requirements stipulated in the standard labour contract. It does not impose unfair restriction on the employment relationship between employees and enterprises by any means, such as withholding deposits or identification documents. Employees are entitled to terminate the labour contract freely in accordance with laws and regulations.

During the Review Period, based on internal records, China Display did not identify any illegal cases of child labour or forced labour, or any cases initiated or ruled against the Group in relation to the Labour Law.

## 5.3 DEVELOPMENT AND TRAINING

#### Career development channel

The Group has developed the following "career development channel" to nurture and promote talents:



Clear career development channel

During the Review Period, the Group employed 54 fresh graduates and promoted 9 staff in total.

In 2017, the Group has organised 18 sessions of job qualification certification, where 119 people applied for qualification certification and 89 people passed the certification. The overall pass rate is 74.8%.



### Trainings

An enterprise serves as a university to the employees and the growth of the employees is highly related to the training provided by the enterprise. During the Review Period, other than providing various internal professional training for employees, China Display also granted subsidies to 179 employees who attended external professional course open to the public. Meanwhile, the Group also engaged external professional trainers to hold 13 training sessions in Huizhou, covering four main aspects, i.e. safety, quality, professional management/technology, general matters, with a total of 322 participants and an accumulated training hours of over 3,800 hours. The expenditure on external training amounted to approximately RMB1.58 million, representing an increase of approximately 50% year-on-year. After attending the trainings provided by the experts, the technical management staff became more professional and competent. During the Review Period, the male-to-female ratio of the Group was 4.4:1.

The hours of internal training of the Group are set out as follows:



#### External trainings

#### • Training programme for middle management

During the Review Period, the Group sent 11 department heads to attend the "Creativity and Digital Transformation" training programme in Shanghai. As an update of "Innovation and Growth" of 2016, the training programme was designed to encourage participants to live up to their individual potential, increase team vitality, cohesion and creativity, educate the middle managerial staff on modern business management, the business environment within and outside the organisation and the concept of long-term development, enhance their ability in planning and project implementation, and inspire them to drive corporate transformation with their creativity.



#### Outbound training of the delivery centre

The event was organised to better coincide the general strategy direction of the Group, so that employees would understand and concur with the objectives of the Company, which enhances corporate cohesion and team spirit, and creates a positive organizational atmosphere. In early 2017, the Group organised outbound training for 104 management members of the delivery centre. During the outbound training, participants demonstrated the "undefeatable" and "solidary" professional spirit.



"Six Sigma" training

"Six Sigma" training

In early 2017, the Group engaged professional trainers to provide "Six Sigma" training and project coaching exercise for the employees. "Six Sigma" is an internationally recognised outstanding management strategy, which targets to eliminate the defects in products and services mainly through establishing high target, collecting information and analyzing results. In 2017, 70 technicians from various departments participated in systematic trainings and initiated the "Six Sigma" project. After 7 months of project coaching exercise, they completed 17 projects, which generated an economic benefit of around RMB11 million in total. As at the end of 2017, the Group has conducted various "Six Sigma" training and project coaching exercise. As one of the key training projects, the program will be followed up by China Display in the long term, in order to ensure the completion of the training project would be effective for the lean improvement of the Group.



Training in Eyas Dynamic Camp

## Eyas Dynamic Camp

During the Review Period, the Group has organised a 14-day eyas dynamic camp for 27 "eyases" (university fresh graduates from campus recruitment), during which, the eyases were given 16 hours of outbound training and over 10 theoretical courses covering corporate culture, safety education, product principles and industry overview, equipment introduction, quality awareness, workplace harmony. In addition, the human resources department organised outdoor activities specially designed for university students such as city orienteering and baseball class, and the average training time per staff was 96 hours. After the eyas dynamic camp, the Group offered internship opportunities for the university fresh graduates at the production line, which allowed them to develop a stronger mind and familiarise with product manufacturing, laying a foundation for their future career path.

# Reflection from the eyas

"July of 2017 is just a small part of our long life, but it has lightened up my career path. Looking back to the difficulties and challenges we encountered in the dynamic camp, the most memorable moments are the laughs and tears of our buddies. The lecturers organised baseball competition and city orienteering for the eyases which were both fun and inspiring, and we demonstrated excellent team spirit as well. We all hope that the dynamic camp will be organised annually as we gained a lot from it. The journey of a thousand miles begins with one step, a nice-storied tower rises from a heap of earth. The accomplishment of our target depends on our action, we will continue to dedicate our best effort in the future.



Dean Yang Gang of Crosby Management Institute providing training to the management of the Group

# Training on the zero defect concept

In November 2017, the Group invited Mr. Yang Gang (the dean of Crosby Management Institute) to organise training on "Zero Defect Quality Management Based on Value Creation", with a total of 88 participants, including senior management, middle management and quality management personnel. The senior management considers quality as a strategic thinking and business strategy, therefore training on promoting sense of quality management was organised for employees to gain better understanding on quality.

Training on social responsibility

In August 2017, the person in charge of the social responsibility management system participated in the training on "ESG Indicator Management and Information Disclosure Practices" organised by a professional institution, and obtained the social responsibility management certificate.

In August 2017, senior management of the Group led the core personnel of the social responsibility management system to attend the seminar on "Active Promotion of Corporate Social Responsibility in China" organised by TCL Corporation ("TCL Corporation", together with its subsidiaries, the "TCL Group"). The seminar was hosted by Dr. Liang Xiaohui, a renowned expert on social responsibility management system, who gave an in-depth discussion on how to integrate the social responsibility management system with corporate characteristics.

## 5.4 EMPLOYEE CARE

#### Culture and entertainment activities

In order to provide more culture and entertainment activities to employees and alleviate their tiredness at work, the Group regularly organised sports class, such as swimming, badminton and yoga class, which attracted about 530 employees, representing approximately 20% of the total numbers of employees of the Group. The students of the yoga class also attended the "Huizhou Zhongkai High Tech Park Evening Gala – Military and Civilian as Family" to perform beautiful yoga dance.

During the Review Period, the Group held table tennis, basketball, tug of war and other sports games events for nearly 2,100 employees, representing approximately 81% of the total numbers of employees of the Group. During major holidays, the Group organised various indoor and outdoor activities for resident employees. The Group cares about employees' health, therefore it offers them annual health check, with an aim of achieving "early detection and timely treatment" for particular illness.





The "Yoga Dance" performed by the employees at Zhongkai High Tech Park Gala – An evening to celebrate the 96th Founding Anniversary of CPC



Internal tug of war competition of the Group



Internal table tennis competition of the Group

## Employee benefit

The Group offers benefits and grants leaves to employees in accordance with the Labor Law of the People's Republic of China. During the Review Period, the return-to-work rate after parental leave reached 100% at China Display.

## Staff Communications

The monthly "Employee Communication Meeting" is one of the most important channels of collecting staff opinions. Staff representatives are responsible for collecting and reporting staff opinions to the management and human resources department of the Company at the "Employee Communication Meeting". During the Review Period, the Group organised 10 "Employee Communication Meetings", at which a total of 127 employees participated and raised 197 suggestions. Approximately 83% of the suggestions have seen significant improvement.

The Group has a set of comprehensive staff communication procedure, consisting of staff hotline and complaint mailbox that are regularly checked and handled by designated personnel.

# Upholding Integrity

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# 6. Upholding Integrity

Business integrity is the foundation of corporate social responsibility, as well as the fundamental element for a business's competitive advantage and sustainability.

## 6.1 OPTIMISATION OF INTEGRITY MANAGEMENT SYSTEM

The Group has devoted great efforts in anti-corruption, reinforced the establishment of the procurement system and internal audit, and maintained compliance with laws and regulations such as the Anti-money Laundering Law of the People's Republic of China, the Anti-Unfair Competition Law of the People's Republic of China and the Interim Provisions on Banning Commercial Bribery. The Group has established a set of comprehensive integrity management procedure and employees are required to comply with the code of integrity named "six prohibitions and one observance", which stipulates that nepotism, bribery, presenting substandard products as high quality ones, jerry-building, deception and commercial fraud are prohibited and promises shall be kept. Meanwhile, regular evaluation is conducted by the Group to assess employees' integrity. The Group has also identified anti-corruption positions and relevant personnel is required to sign the Integrity Commitment, undertaking not to accept commercial bribery, embezzle, misappropriate and misuse property of the Group or divulge trade secrets. The Group also entered into the Related Party Undertaking with the suppliers, who undertook not to offer bribes to the employees of the Group for the avoidance of corruption, protection of legal rights of both parties and establishment of long-term, healthy and mutually beneficial relationship with the suppliers.

The Group pays great attention to bribery, extortion, fraud and money laundering, and has established a reward system for reporting, in order to encourage employees and business partners to report any suspected cases. It also protects the whistleblower to create a corporate culture characterised by integrity. During the Review Period, according to the record, China Display has not identified any non-compliance relating to bribery, extortion, fraud and money laundering, nor any noncompliance with the relevant laws and regulations that has a significant impact to the Group.



#### **Integrity Operation**



# Community Event Report

During the Review Period, the Group actively organised volunteer service activities while maintaining zero complaints in the community.

## 7.1 VOLUNTEER SERVICE ACTIVITIES

## **Huameng Foundation**

Huameng Foundation, founded by Mr. LI Dongsheng, the chairman of TCL Corporation, and his spouse Ms. WEI Xue, is a special fund under China Youth Development Foundation. It is committed to supporting fresh graduates of junior high schools in poverty-stricken areas with good conduct and academic performance to complete high school education and enter into universities. Huameng Foundation is dedicated to promoting equal opportunity of education and a balanced development of education in the PRC, so that all kids have the same opportunity to receive education and grow into a responsible and caring person who will act with conscience and love and do good for society.

In August 2017, the Group organised 10 volunteers to pay home visit to students in Huizhou for selecting the recipients of financial assistance under the Huameng Foundation.

# 7. Community Event Report

# **Training for Volunteers**

In November 2017, the Group invited the professional mentors from "Guangzhou Sparkle Community Service Development Centre" and "NPI Charity Organization Development Centre" as a part of the development and training program for 15 volunteers.



Volunteers participating in training



Volunteers participated in the training



Volunteer (1st from right) paying home visit for Huameng Foundation

During the Review Period, the employees of the Group have devoted approximately 100 hours in total to voluntary charity activities for the community, and the Group has spent approximately RMB87,000 on charity activities.

# **B** Appendix

## 8.1 STATEMENT OF THE BOARD

The Board acknowledges its responsibility to ensure the truthfulness of this sustainability report. To the best of its knowledge, this report provides disclosure on material issues and gives a fair view of the Group's Environmental, Social and Governance ("ESG") performance and its impact. This report has been reviewed and approved by the Board.

#### 8.2 REPORTING SCOPE

This report is published on an annual basis and its reporting period covers the 2017 Financial Year (i.e. 1 January 2017 to 31 December 2017). During the Review Period, the principal places of business of China Display Optoelectronics Technology (Huizhou) Company Limited, a wholly-owned subsidiary of the Group, were the production base in Huizhou (the "Huizhou Production Base") and the headquarter office, where most of the Group's business activities took place. As for the operating branches of the Group located in other places, such as Xi'an and Hong Kong, which supported business operations, they are not covered in this report as their activities do not have any significant impact on society and environmental safety. In addition, the Wuhan production base of Wuhan China Display Optoelectronics Technology Co., Ltd. (a joint venture jointly formed by the Group and Wuhan China Star Optoelectronics Technology Co., Ltd.) did not commence mass production until the end of 2017, and its economic activities did not have any material impact on society and environmental safety, therefore it is not covered in this report.

## 8.3 BASIS OF PREPARATION

This is the 2017 Environmental, Social and Governance Report of the Group, which was prepared in accordance with the disclosure requirements set out in the Environmental, Social and Governance Reporting Guide in Appendix 27 to the Listing Rules of the Hong Kong Stock Exchange to truly reflect the Group's performance in environmental, social and governance responsibilities in 2017. This report is prepared in Chinese and translated into English. In the event of any inconsistency or ambiguity between the English version and the Chinese version, the Chinese version shall prevail. To protect the environment, no printed copies will be provided.

## 8.4 COMMENTS AND RESPONSES

We welcome suggestions from stakeholders on the management strategies and performance of China Display in promoting sustainable development. You may contact us via:

Tel: (852)2437 7610 Email: ir.cdot@tcl.com

The following indicators take into account the "comply or explain provisions and recommended disclosures" under the Guide, relevant information of which are set out in this report.

			Recommended	
	"Comply or	explain"	disclosures	Pages
<b>A. Environmental</b> Aspect A1: Emissions	General Discl	osure		13-17
	Information o	n:		
	(a) the pol	icies; and		
		ance with relevant laws and regulations that have a significant on the issuer.		
		issions include NOx, SOx, and other pollutants regulated under I laws and regulations.		
	-	r and greenhouse gas emissions, discharges into water and land, on of hazardous and non-hazardous waste.		
		e gases include carbon dioxide, methane, nitrous oxide, rbons, perfluorocarbons and sulphur hexafluoride.		
	Hazardous wa	astes are those defined by national regulations.		
	KPI A1.1	The types of emissions and respective emissions data.		16-17
	KPI A1.2	Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).		17
	KPI A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).		16
	KPI A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).		17
	KPI A1.5	Description of measures to mitigate emissions and results achieved.		14, 16
	KPI A1.6	Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved.		12, 14-16

# Subject Areas, Aspects, General Disclosures and KPIs

	"Comply or e		Recommended disclosures	Deces
	Comply of C	expram	uisciosures	Pages
Aspect A2: Use of Resources	General Disclo	osure		13-16
Resources	Policies on the materials.	e efficient use of resources, including energy, water and other raw		
		ces may be used in production, in storage, transportation, in s, electronic equipment, etc.		
	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).		13-15
	KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).		13, 15-16
	KPI A2.3	Description of energy use efficiency initiatives and results achieved.		14-16
	KPI A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved.		13-15
	KPI A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.		13-15
Aspect A3: The Environment and	General Disclo	osure		14
Natural Resources	Policies on m natural resour	inimising the issuer's significant impact on the environment and ces.		
	KPI A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.		14-16

	"Comply or explain"		Recommended disclosures	Pag
B. Social				
Employment and				
Labour Practices				
Aspect B1: Employment	General Disclosure			22-23, 28-
	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.			
		KPI B1.1	Total workforce by gender, employment type, age group and geographical region.	
		KPI B1.2	Employee turnover rate by gender, age group and geographical region.	18-
Aspect B2: Health and Safety	General Disclosure			20-
	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.			
		KPI B2.1	Number and rate of work-related fatalities.	7,
		KPI B2.2	Lost days due to work injury.	7,
		KPI B2.3	Description of occupational health and safety measures adopted, how they are implemented and monitored.	20-

	"Comply or explain"		Recommended disclosures	Page
Aspect B3: Development and	General Disclosure			23-2
Training	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.			
	Note: Training refers to vocational training. It may include internal and external courses paid by the			
	employer.			
		KPI B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	2
			management).	
		KPI B3.2	The average training hours completed per employee by gender and employee category.	
Aspect B4: Labour Standards	General Disclosure			1
	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.			
		KPI B4.1	Description of measures to review employment practices to avoid child and forced labour.	2
		KPI B4.2	Description of steps taken to eliminate such practices when discovered.	:

	"Comply or explain"		Recommended disclosures	Pag
Operating Practices				
Aspect B5: Supply Chain	General Disclosure			11-
Management	Policies on managing environmental and social risks of the supply chain.			
		KPI B5.1	Number of suppliers by geographical region.	
		KPI B5.2	Description of practices relating to engaging suppliers, number of	11-
			suppliers where the practices are being implemented, how they are implemented and monitored.	
Aspect B6: Product Responsibility	General Disclosure			9-
	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.			
		KPI B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	7,
		KPI B6.2	Number of products and service related complaints received and how they are dealt with.	8-
		KPI B6.3	Description of practices relating to observing and protecting intellectual property rights.	
		KPI B6.4	Description of quality assurance process and recall procedures.	8.
		KPI B6.5	Description of consumer data protection and privacy policies, how	Not Applica

	"Comply or explain"		Recommended disclosures	Page
Aspect B7: Anti-corruption	General Disclosure			7, 3
	Information on:			
	(a) the policies; and			
	<ul><li>(b) compliance with relevant laws and regulations that have a</li></ul>			
	significant impact on the issuer			
	relating to bribery, extortion, fraud and money laundering.			
		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.	7, 3
		KPI B7.2	Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored.	:
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.			32-3
		KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	32-3
		KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	3