

# The Social Corporate Responsibility Practice that Integrates Core Competencies



**Corporate Social Responsibility Report** 

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## **About Report**

## • Editing and Publication

This report is the second release of "Corporate Social Responsibility Report" prepared by KYEC Group. The content of this report aims to disclose the devotion and achievement of KYEC Group in corporate operations and governance, environmental hygiene and safety, social welfare, and other CSR related issues, to the stakeholders.

## • Border and Scope

The report discloses consolidated information between January 1, 2014 and December 31, 2014, which consist of the performance data and achievement from Taiwan, including HsinChu Headquarters (Technology Headquarters), Chunan Branch (also referred to as Chu Nan Plant or Zhonghua Plant) and Tung-Luo Factory.

#### Writing Rules

The content framework and consideration of scope and border for this Corporate Social Responsibility Report are prepared on the 4<sup>th</sup> version of the 2014 Global Reporting Initiative's Sustainability Reporting Guidelines (GRI G4.0) and comply with AA1000Assurance Standard: 2008 and AA1000 Accountability Principle Standard: 2008. The report also conforms to the standards of materiality, stakeholder inclusiveness and sustainable development in addition to adopting "The Comprehensive Options" of GRI G4.0.

The Financial data are calculated in New Taiwan Dollars and have been attested by the Ernst & Young Taiwan. Apart from conducting internal audit, the environment, safety and hygiene management system also undertakes external audit for ISO 14001, OHSAS 18001, ISO14064, ISO14067, and IECQ QC080000 standards. The designated certification body is SGS-Taiwan. The greenhouse gas emission data adopt the coefficients used in "Greenhouse Gas Emission Coefficient Control Chart (version 6.0.1), provided by the Environmental Protection Administration, for calculation of emissions.

## Release Date

The "Corporate Social Responsibility Report" is released on an annual basis. The version of this release is June, 2015 and will be published to the public on the website of KYEC Group.

#### Contact Information

Some indicators offer 2013~2014 consecutive data in order to highlight the mid- to long-term trends. In case the quantitative indicators contain special meanings, a note will be provided to explain further. If you have any questions or comment regarding the KYEC Group Corporate Social Responsibility Report, please contact with us.

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## Words from General Manager

KYEC Group releases this 2014 Corporate Social Responsibility Report under the guidance of GRI G4 in attempt to disclose the various issues related to corporate social responsibility. Such disclosure will provide the stakeholders with the opportunity to review the company's actions and achievement in corporate social responsibility. In view of 2014, KYEC Groups has attained outstanding performance in revenue and profits as well as fruitful achievement in the operations of sustainable development, on the basis of continual commitment and cumulative efforts over the years.

#### • Corporate Governance

The strengthening of the function of Board of the Directors, i.e. the two functional committees (namely the Audit Committee for management function and Salary/Remuneration Committee for reviewing the compensation of senior managers), will review and assist the Board of the Directors with making the correct decision to maximize shareholder's interests. With regard to information transparency, apart from developing various internal guidelines to assure the integrity management and regulatory compliance, KYEC discloses its corporate information at the Market Observation Post System and the company website to implement the corporate social responsibility and the respect for stakeholders (Note: KYEC was listed as the top 20 percept enterprises in the First Corporate Governance Evaluation System).

#### • Corporate Commitment

King Yuan Electronics Corp. (KYEC) is the world's second largest testing company of semiconductor IC. We are proud of our strong R&D Division, state-of-the-art proprietary platform and superior engineering capacity, particularly the results in the development technology for high-end processing and key components (i.e. MEMS testing technology, vertical probe and high-frequency Load Board). KYEC is able to outperform the peer industries in the competition of quality, costs, delivery, and services.

Talent is the most valuable asset of an enterprise and KYEC has long been investing massively ion talent cultivation. In recent years KYEC includes the expansion of engineering technology capacity, improvement on the managerial competency of middle to senior managers, and the implementation of reserved official in the annual guidelines, i.e. offering in-depth platform training and credit courses at National Tsing Hua University. Moreover KYEC provides effective communication channels, various benefit measures and other improvement systems to build a happy and healthy workplace, so that the employees and company can work together to create a win-win situation.

## • Social Participation

In terms of social care and feedback, KYEC encourages the employees to put in efforts for the societies and expand in the horizon of care by actively participating in different volunteer and community activities. For example, the employees will assist with the marketing and sales of local agricultural specialties and products or participate in county/city charity events and cultural activities. KYEC has sponsored HsinChu Wind Orchestra for a long period of time and invites suppliers to jointly respond. The enthusiasm of wind orchestra is integrated with social resources to enhance community development and establish solid foundation for arts and culture in the societies.

Additionally the company has been active in the implementation of industry-academic training plant proposed by the Ministry of Education to promote the seamless connection between the academic circles and the industries. KYE has developed internship projects with a number of schools, covering areas in northern, central and southern Taiwan, and offshore islands. Starting from 2014, KYEC cooperates with Asia-Pacific Institute of Creativity through the "Semiconductor Testing Factory and Facility Professional Talent Training Program." The company designs a semiconductor testing internship factory with the intent to substantially upgrade the employment competitiveness of local students.

#### • Environmental Protection

KYEC has long been taken active party in environmental protection, energy-conservation and waste reduction, recycling, and other green operations with acquisition of considerable number of effectiveness. For example, the utilization

of water resource recycling in 2014 exceeded 74% while energy-saving and carbon reduction also were reduced by 6,142,656 1kWh and 3,267.9 tons of  $CO_2$ , which both performed better than that in 2013. Particularly the source of greenhouse gas emission for the company mainly consists of outsourced power, accounting for 96.89% of the total emissions. In view of this, KYEC has replaced the traditional florescent lights of the cleanroom into LED lights with outstanding performance.

Projecting to the future, KYEC continues to integrate core competencies and management strategy with the issues and challenge of sustainable development, in addition to designing and executing sustainability solutions through innovative practices that are built to last. Meanwhile KYEC not only controls the economic, social and environmental issues that draw the attention from the stakeholders but also collaborates with the suppliers to progress toward a green supply chain and implement the objectives of sustainable management.

**General Manager** 

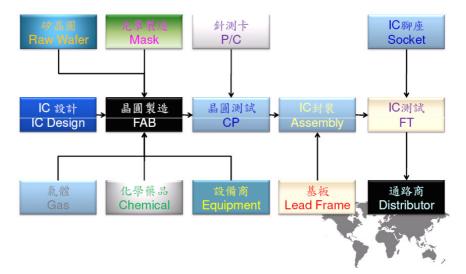
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## **KYEC Overview**

KYEC was founded in May, 1987, to become a world leading supplier for the back-end semiconductor services. Initially the factory was established in Lane 576, Sec. 1, Guangfu Road of Hsinchu City to engage in integrated-circuit (IC) foundry testing, burn in, wafer polishing, and cutting and IC roll packaging, serving as a considerably important link to the supply chain of semiconductor industry.



Hsinchu Headquarters was officially opened in 2000 with Chunan Branch (new factory built in Zhonghua Plant) was also opened for production in early 2001. In response to the rapid growth in market demand and business, KYEC has built factories year by year and purchased computer equipment to fully computerize the production management. Moreover, KYEC built the Phase I and Phase II projects in Tongluo Science Park in 2012 and the end of 2014 to take lead the management, production and design of the company among the peer industries. According to the Gartner report released in April, 2015, KYEC is ranked the second place among all global testing industries on the 2014 Worldwide Semiconductor Assembly and Test services (SATS) market, with a global market share of 8.2%. KYEC is ranked the second place among all Taiwanese testing industries, following ASE Group. The product lines cover memory, logic & mixed-signal, SOC, CIS/CCD, LCD Driver, RF/Wireless and MEMS with over 2,500 testing platforms.



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## 1. Company Profile

Company Name	King Yuan Electronics Corp. (KYEC)
Date of Establishment	May 28, 1987
Paid-in Capital	NTD 11,922,944,000
Chairman	C.K. Lee
President	A.H. Liu
Company Headquarters	No. 81, Sec. 2, Gongdao 5th Rd., Hsinchu City
	Hsinchu Headquarters: No. 81, Sec. 2, Gongdao 5th Rd., Hsinchu City
Plants	Chunan Plant: No. 118, Zhonghua Rd., Chunan Township, Miaoli County
r lants	Tung-Luo Factory: Hsinchu Science Park, No. 8, Tong-ke N. Rd., Jiuhu
	Village, Tong-luo Township, Miaoli County
No. of Employees	Approximately 4,800 people
	The design, manufacturing, testing, accessories, processing, packaging,
Main Dusinger	and sales of different IC, the manufacturing, processing and sales of
Main Business	different burn-in and components, and the import/export trade of
	aforementioned products.
Taiwan Stock Exchange	2449
Spokesperson	Chun Kuan
Deputy Spokesperson	Gauss Chang

## 2. Management Philosophy

(1) Mission

KYEC is committed to become one of the world's top IC testing service companies by constantly investing in manufacturing technologies and productivity to provide customers with higher-quality, lower-cost and faster-delivery products and services, thereby maximizing customer values.

(2) Vision

- We are committed to meeting customer satisfaction.
- We pursue to lead peer industries with business growth and profits, become the company of customers' choice of priority and actively improve profitability.
- We uphold to service and dedicate to health growth.

## (3)Core Value

• Excellence: Complete work assignment with full efforts, actively take work objectives with challenge, and achieve outstanding standards and remarkable performance.

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- Performance: Set up high objectives to provide customers with high quality, lower costs, faster delivery, and improvement on customer satisfaction.
- Innovation: Constantly improve and profit innovative solutions to provide customers with satisfying quality and services with higher satisfaction.
- Sharing: Readiness to share knowledge, skills and experience owned with others so that the company will share and grow with customers.



## 3. Market Status

Professional packaging & testing is one of the semiconductor industries with the earliest and fastest development for Taiwan, apart from wafer foundry. The results of an questionnaire survey conducted by TSIA, the 2014 Q4 packaging industry of Taiwan IC output was NTD79 billion (USD\$2.6B), down 6.5% compared with last quarter 2014Q3 and up 7.5% when compared with the same period last year (2013Q4). The IC testing industry was NTD33 billion (USD\$1.1B), down 11.5% compared with last quarter (2014Q3) and up 1.5% when compared with the same period last year (2013Q4). The 2014 annual output IC packaging industry was NTD316 billion (USD10.4B), up 11.1% when compared with 2013. The IC testing industry was NTD137.9 billion (USD4.5B), up 8.9% when compared with 2013.

The testing industry is one capital-intense and technology-advanced high-tech industry with considerably high barriers to enter. Due to the continuous evolution in IC processing and the increasingly complex functions, IC testing becomes more and more important. Moreover due to the increasing capital expense, there are increasing number of IDM companies and foundries that give up on the expansion of back-end productivity but outsource for IC testing requirement, driving the development of professional testing to thrive.

According to the Gartner report, the top global packaging and testing companies ranked by scale of sales revenue in 2014 were in the order of ASE Group, Amkor, SPIL, STATS ChipPAC, PTI, Changjiang Elec. Tech, J-Device, UTAC, ChipMOS, Chipbond, STS, Hua Tian Technology, KYEC, Nantong Fujitsu Microelectronics Co., Ltd., and Carsem, accounting for about 7.37% of total market share. KYEC is the only professional testing company that does include the cost of materials to the sales revenue since the income consists of testing services with remarkable status.

	Region of Main Product (	Unit: NTD Thousands		
Year	2014		2013	
Region	Domestic	Domestic Export Domestic		Export
Main Product Sales Value	Value	Value Value		Value
Wafer Probing	3,043,204	2,853,559	2,911,599	2,633,970
IC Testing	2,862,921	4,447,300	2,829,884	3,367,515
Others	915,584	194,358	938,235	111,260
Total	6,821,709	7,495,217	6,679,718	6,112,745

#### 4. Worldwide Business Divisions

KYEC Headquarters is situated next to Gongdao 5th Rd., Hsinchu City of Taiwan, which production center is located in Miaoli County, providing services to the Hsinchu Science Park and customers in Taiwan. Additionally KYEC established worldwide business divisions in North America, Japan, Europe, and Singapore to provide immediate business services for over 400 customers worldwide. On the other hand, the group's subsidiary companies, KLT and ZKT, both located in Suzhou Industrial Park in China, engage in semiconductor packaging and testing operations, serving as the market base for KYEC to deliver services to the Chinese market with convenience.



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## 5. Business Performance

(1)2014Business Performance

The 2014 consolidated operating income was NTD16278 million, up 10.77% when compared with 2014, with a gross profit of 30%, up 3% when compared with 2013. Each EPS was NT2.15, up 40.5% compared with 2013. The overall business performance improved when compared with the plan in the beginning of the year and is considered a well-off year.

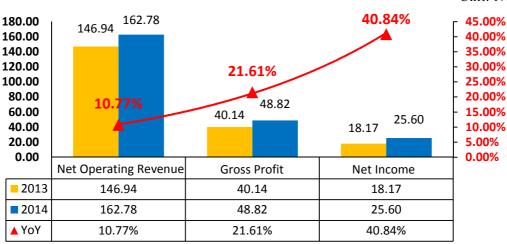
KYEC has accomplished the pre-set performance objectives in terms of management, operational development, customer service, R&D and intonation, human resource assets, TQM activities in 2014. The company still has room for improvement on productivity upgrade and the stability of quality management. With regards to cost control, the increase of costs in the components for high-end product testing, accessory manufacturing fees, consumables, electricity, and personnel have resulted in somewhat adverse effect on the overall manufacturing costs of the company.

Looking into 2015, products such as smart phones and mobile communication devices maintain mainstream while 4G, 64 bits, LTE, solid hardware, sensor, wearable devices, low-cost TabletPC, in-case safe entertainment system IC, biometric identification IC, IoT related component chips, medical health products, and cloud computing still thrive in development and will lead to another wave of powerful driving force. In the first half year, Taiwan's semiconductor industry prospered and the second half year will depend on the inventory liquidation of terminal products as well as the intensity of requirement for products with fast and innovative IC applications under the trends of popularity and technology. KYEC has completed it relocation of Phase I productivity for Tung-Luo Factory while the Phase II Tung-Luo Factory and Suzhou Plant in China are scheduled to complete the construction by 2015, equipping KYEC with room for expansion. In the future, KYEC will continue to invest in talent cultivation, engineering technology and capacity, and equipment productivity, in order to provide the best quality, competitive costs, fast delivery, and maximum production flexibility as well as other high service values to customers. We believe that under the perseverance of meeting customer satisfaction, creating profitability, and the business objectives of healthy investment growth, the company will grow robustly and maintain sustainable development. Year 2015 will be another progressive year for KYEC.

## Consolidated Sales Revenue and Net Income

## Unit: NTD Thousands

Account title	2014年	2013年	Increased or decreased amount	variable proportion
Net Operating Revenue	16,277,769	14,694,477	1,583,292	10.77
Gross Profit	4,881,730	4,014,414	867,316	21.61
Net Income	2,559,731	1,817,475	742,256	40.84



## Unit: NTD100 million



	Items	2014	2013
	Debts Ratio %	40.75	40.75
Financial Structure	Long term funds to fixed assets %	155.98	184.22
	Current Ratio %	202.61	297.40
Liquidity	Quick Ratio %	195.43	290.33
	Return on Total Assets %	7.08	5.40
D. C. 199	Return on Total Stockholders' Equity %	11.46	8.52
Profitability	Net Profit Margin %	17.87	14.20
	EPS (NTD)	2.15	1.53

(2) Consolidated Financial Revenue/Expenditure and Profitability:

# 6. Participating in other external associations as members

Associations	Remarks
The Allied Association for Science Park Industries	Chairman Lee served as the
	Deputy Director-General
Packaging & Testing Human Resource Managers Social Club	
The Institute of Internal Auditors, ROC (Taiwan)	
Taiwan Electrical and Electronic Manufacturers' Association	_
Taiwan Semiconductor Industry Association (TSIA)	
Hsinchu Industrial Association, Miaoli County Industrial Association	



## **Stakeholders and Concerned Issues**

## 1. Identification and Communication between Stakeholders

KYEC takes consideration of both the rights and interests of stakeholders and corporate social responsibly into management to share the management outcome with stakeholders and thereby develop toward corporate sustainability. The Administration Center is in charge of promoting works related to corporate social responsibility. In terms of the CSR team, the members consist of representatives from the Finance Division, Planning Division, Human Resource Division, Facility and Environment Safety Division, Material Division, and Quality Assurance Division. KYEC adopts the communication channels from the "internal/external communication management procedure" of the company, including "Corporate Strategy and Review Meeting," "Customer Satisfaction Survey," "Employee Seminar," "Supplier Questionnaire Survey," "Government Laws and Regulations," and "Investor Query" to fully understand the requirement of stakeholders. Moreover the 2014 KYEC stakeholders, including the shareholders and investors, customers, employees, suppliers, contractors, communities and neighborhoods, government and competent authority, and media, are identified with departmental work properties and the practice and rule of thumb in relevant industries according to the responsibility, influence, affinity, reliance, representative, and policy implications. In terms of communication and response, we communicate with stakeholders through different communication paths to understand their expectation and demand for KYEC, in addition to listing the issues of concern in the routine work and annual projects. Apart from conducting immediate communication and response, the issues concerned will also be used as reference for the formulation and promotion of action plans for corporate social responsibility policy.



## 2. Stakeholders' Concerned Issues and Interaction

Stakeholders	Issues for Communication	Communication Channels	Frequency
Shareholder/	<b>O</b> Business Performance	Annual General Meeting	Annually
Investor	©Corporate Financial Information ©Future Growth	Quarterly financial statement	Quarterly
	OF uture Growth ODividend Distribution	Market Observation Post System	Non-Routine
	©Corporate Governance	Spokesperson and Investor Relation	Permanent
	<b>O</b> Risk Management	Division	
		Domestic and foreign investment	Non-Routine
		forums	

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		Phone contact or interview meeting with investment agencies	Non-Routine
Customer	<b>O</b> Manufacturing Quality	Customer satisfaction survey	Annually
	©Corporate Social Responsibility	Customers questionnaire survey	Annually
	©Customer Commitment and Services ©Green Requirement	Email	Non-Routine
	©Carbon Footprint	Customer document distribution	Non-Routine
	OCcupational Safety and Hygiene	Customer audit	Non-Routine
	©Energy Resource Management ©Water Resource Management ©Waste Management	Company website	Non-Routine
Employee	©Salary and Welfare	Departmental meetings	Weekly/Monthly
	<b>©</b> Employees' Rights and Interests	Employee-Employer Meeting	Quarterly
	©Talent Recruitment	Welfare Committee meeting	Quarterly
	©Education and Training ©Occupational Safety and Hygiene	Employee seminar	Quarterly
	<b>C</b> • • • • • • • • • • • • • • • • • • •	New employee seminar	Quarterly
		Foreign employee seminar	Semi-Annually
		Employee board	Permanent
		Proposal for improvement system	Non-Routine
		Complaint Handling Committee	When needed
		Personnel Review Committee	When needed
		Occupational Safety and Hygiene Committee	Quarterly
Supplier	<b>O</b> Supplier's Corporate Social	Supplier audit	Annually/ Non-Routine
	Responsibility	Supplier evaluation meeting	Non-Routine
	<b>©</b> Operational and Financial	Supplier questionnaire survey	Permanent
	Performance	Contact for purchase division	Permanent
	<ul> <li>Supply Chain Management</li> <li>(Quality / Price / Compliance)</li> <li>Hazardous Substance Management</li> <li>Supplier Change Management</li> <li>Conflict Minerals</li> </ul>	Supplier quality meeting	Non-Routine
Contractor	<b>O</b> Ccupational Safety and Hygiene	Contractor coordination meeting	Monthly
Community /	<b>@</b> Water Resource Management	Neighborhood Head response	Non-Routine
Neighborhood	<b>Ø</b> Social Welfare	Sponsorship in art and cultural events	Non-Routine
Government	<b>@Laws and Regulations</b>	Correspondence and email	Non-Routine
/Competent	<b>O</b> Financial Information Transparency	Competent authority holding	Non-Routine
Authority	OPolicy Cooperation     Ocomparete Covernance	propaganda meeting or briefing	
	<ul> <li>©Corporate Governance</li> <li>©Occupational Safety and Hygiene</li> </ul>	Releasing legal matters	Non-Routine
	©Energy Resource Management	External official documents	Non-Routine
	©Water resource Management ©Waste Management	Regulatory Briefing/Public Hearing           Relevant union communication	Non-Routine Non-Routine
Media	©Operating Performance	Press release	Non-Routine
	<b>ØIndustry forecasts</b>	Press conference	Non-Routine



#### 3. **Critical Issues Matrix Analysis**

There are 19 Issues identified through stakeholder communication and drawn into the critical CSR issues matrix diagram according to the level of concern from the stakeholders and the level of impact on the enterprise.

High		©Supplier Change Management ©Customer Satisfaction ©Social Welfare ©Employees' Rights and Interests	©Risk Management ©Supplier Management ©Laws and Regulations ©Corporate Governance e ©Employee Salary and Welfare ©Education and Training
Level of Concern from Stakeholders	©Corporate Social Responsibility of Supplier	<ul> <li>Occupational Safety and Hygiene</li> <li>OHazardous Substance Management</li> <li>OConflict Minerals</li> <li>OEmployee Communication</li> <li>OEmployee Health Management</li> </ul>	<b>@Water Resource Management</b> <b>@Business Performance</b> <b>@Talent Recruitment</b>
om Stakeholders		<b>@</b> Waste Management	<b>ØEnergy Resource Management</b>

## Level of Impact on the Company

High

#### Identification of the Scope and Border of Critical Considerations 4.

The materials scope of consideration, organization border and corresponding indicators after analysis are

Critical Issues	Within	Outside	Category	Scope of Consideration	GRI Indicators	Chapters of
	Organization	Organization				Reference
	KYEC					
Supplier Change	V	V	Economy	Procurement Practice	G4-EC9	Supply Chain
Management		(Supplier)				Management
Customer	V	V	Environment	Products and Services	G4-EN27~28	Environment
Satisfaction		(Customer)				Management
Social Welfare	v	v	Society	Local Community	G4-SO1~2	Social Participation
		(Community)				
Employees' Rights	V	_	Society	Employee Diversity and	G4-LA12	Employees' Rights
and Interests				Equality		and Interests
Occupational Safety	V	v	Society	Occupational Hygiene and	G4-LA5~8	Occupational Safety
and Hygiene		(Contractor)		Safety		and Hygiene

## shown in the following correspondence table.



# Stakeholders and Concerned Issues

Hazardous Substance	V	v	Environment	Raw Material	G4-EN1~2	Supply Chain
Management		(Contractor)				Management
Conflict Minerals	V	V	Environment	Products and Services	G4-EN27~28	Supply Chain
		(Supplier)				Management
Employee	V	-	Society	Labor Practice Complaint	G4-LA16	Employees' Rights
Communication				Scheme		and Interests
Employee Hygiene	V	-	Society	Occupational Hygiene and	G4-LA5~8	Employees' Rights
Management				Safety		and Interests
Risk Management	V	V	Society	Human Right Complaint	G4-HR12	Employees' Rights
		(Customer,		Scheme		and Interests
		Community)				
Supplier	V	V	Environment	Supplier Environmental	G4-EN32~33	Environment
Management		(Supplier)		Evaluation		Management
Laws and	V	-	Environment	Regulation Compliance	G4-EN29	Environment
Regulations						Management
Corporate	V	-	Economy	Economic Performance	G4-EC1~4	KYEC Overview
Governance						
Employee Salary and	V	-	Society	Employee Diversity and	G4-LA12	Employees' Rights
Welfare				Equality		and Interests
Education and	V	V	Society	Training and Education	G4-LA9~11	Employees' Rights
Training		(Contractor,				and Interests
		Community)				
Water Resource	V	v	Environment	Water	G4-EN8~10	Environment
Management		(Customer,				Management
		Community)				
Management	V	v	Economy	Economic Performance	G4-EC1~4	KYEC Overview
Performance		(Customer)				
Talent Recruitment	V	V	Society	Employee Diversity and	G4-LA12	Employees' Rights
		(Community)		Equality		and Interests
Energy Resource	V	V	Environment	Energy	G4-EN3~7	Environment
Management		(Customer,				Management
		Supplier)				

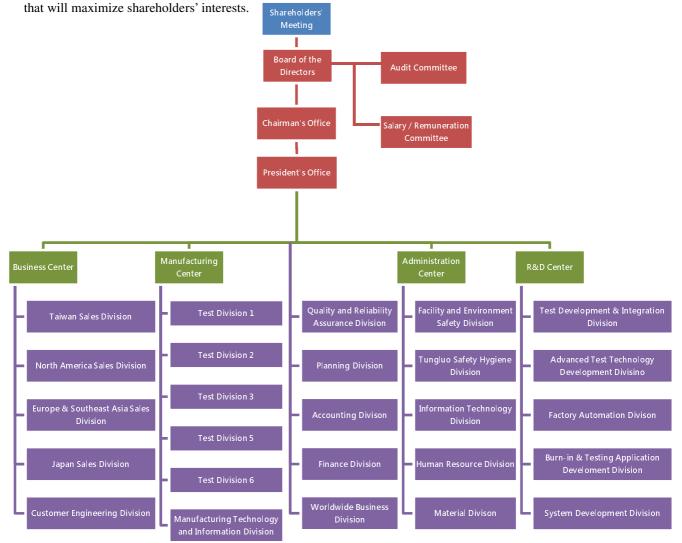
Note: Within organization refers to the Hsinchu Headquarters, Chunan Plant and Tung-Luo Factory, excluding overseas plants.

## **Corporate Governance**

KYEC Group develops the corporate governance policy pursuant to the Company Act of the Republic of China, Security Exchange Act, "Corporate Governance Best Practice Principles for TWSE/GTSM Listed Companies," and relevant laws and regulations for the formulation of corporate articles of association, "Corporate Governance Conducts" corporate organization framework. The highest levels of KYEC corporate governance framework consist of shareholders and Board of the Directors, where shareholders can exercise voting right through shareholder meeting and participate in corporate major business decisions. In 2012 the shareholder meeting already added with voting platform to increase convenience for shareholders participating in shareholder meeting. Shareholders can revolve proposal one by one and indicate such resolution result on the shareholding meeting minute so that the operations of shareholders' meeting can meet the highest standards of corporate governance. Moreover, the Audit Committee and Salary/Remuneration Committee are established under the authorization of the Board of the Directors to assist the directors with exercising their supervisory functions.

## 1. Corporate Governance Framework

The Board of the Directors currently calls for one meeting quarterly, where corporate management reports to the Board of Directors for business performance. The Directors shall determine the future management guidelines and major policy. There are two functional committees under the Board of the Directors, namely the Audit Committee for improving corporate governance and strengthening management function and the Salary/Remuneration Committee for reviewing manager remuneration. The review by functional committees will help the Board of the Directors make correct decision



(1) Major Division and Business Functions

Chairman's Office	Organizing and responsible for corporate operational decisions and responsible for the establishment, maintenance and execution of internal audit system.
President's Office	The formulation of corporate operational objectives and strategies, control of corporate management plan and annual guidelines, company quality policy formulation, communication, coordination, and supervision of company departments.
Business Centers	
(including Taiwan Sales Division, North	Responsible for understanding the market, planning domestic and international market
America Sales Division, Europe and	promotion, sales contract signing, providing forecast for assuring production schedule meeting
Southeast Asia Sales Division, Japan Sales	customer required delivery conditions and annual marketing plans, customized engineering for
Division, and Customer Engineering	solutions and new product introduction.
Division)	
Manufacturing Center	Drafting and execution operational plans to achieve profitability and meet objectives for sales revenue. Responsible for financial and operational effectiveness. Responsible for maintaining relationship between major customers and partner. Promoting and executing customer requirement by promoting and executing projects in production line. Balance between vision and operational purpose.
Testing Division 1	Responsible for supervising and assessing the accomplishment of department performance, production control and meeting shipment requirement, test technology development and introduction, product quality control and providing customer with superior testing environment and excellent testing quality.
Testing Division 2	Responsible for the processing and manufacturing operations for IC test, polishing, cutting and assembly; the production, delivery and quality control operation of order; the improvement on production technology and establishment of standard operations; evaluation, introduction and maintenance of production equipment, jig, measurement tools; responsible for supervising and assessing the accomplishment of departmental performance.
Testing Division 3	Providing IC finished product logic and mixed signal testing, responsible for supervising and assessing the accomplishment of department performance, production control and meeting shipment requirement, test technology development and introduction, and product quality control.
Testing Division 5	Responsible for supervising and assessing the accomplishment of department performance, production control and meeting shipment requirement, test technology development and introduction, and product quality control.
Testing Division 6	Providing customers with back-end memory testing service, production control and meeting shipment requirement, test technology development and introduction, and product quality control.
Manufacturing Technology and Information Division	Planning, designing and developing the automation equipment and manufacturing management information system needed for the manufacturing process of all business divisions, providing various supports for manufacturing process and boosting manufacturing productivity.

R&D Center	Designing and executing R&D strategy, consolidating and controlling R&D resources, integrating and promoting inter-group R&D projects, and steering key R&D projects.
Testing Development and Integration Division	New test technology development and integration related to corporate R&D strategy, proprietary platform test application development, providing customer with complete test solutions with introduction into mass production, and solving the bottleneck problems of production line in RF, CIS, Memory and other product production to improve engineering competitiveness.
Advanced Test Technology Development Division	PCB design manufacturing and simulation technology, new testing technology development, system diagnosis technology development, KGD testing technology development, automation testing program production and transformation system development, new testing platform interface design and manufacturing.
Factory Automation Division	Executing and establishing testing environment, developing the accessories and peripheral testing application technology needed for the production.
Burn-in & Test Application Development Division	Product development, equipment assembly inspection and maintenance, burn-in testing development, production stability improvement on production line.
System R&D Division	Proprietary testing platform system /equipment upgrade, proprietary testing platform function extension.
Administration Center	Integrating group administrative resources, supporting group operation, using minimum costs to maximize profits for the company.
Tungluo Safety Hygiene Division	Responsible for the hygiene, environmental protection, and labor safety issues of the plant.
Facility & Environment Safety Division	Responsible for the design, construction, maintenance, and corporate general affairs and environmental protection and labor safety issues of facility.
Information Technology Division	Responsible for the design, promotion, review, and improvement on coporate information system, and the regulation and supervisor on long-term information system.
Human Resource Division	Responsible for the drafting, review and revision of human resource development plan of the company.
Material Division	Responsible for the procurement, inventory management issues of raw materials and equipment of the company.
Quality Reliability & Assurance Division	Consolidate the upgrade of company product quality, formulation of quality strategy, improvement on quality system, and execution and control of instrument, equipment and documents.
Planning Division	Consolidate the company legal affairs and promotion of knowledge and management platform, with responsibility in the maintenance and management of corporation-investor relation, and control of media interaction and public relations.
Accounting Division	Consolidate company tax affairs, generalization, and cost accounting.
Finance Division	Consolidate company stock affairs and fund procurement.
Worldwide Business Divisions	Review and evaluate the feasibility of overseas investment project with design for executing, coordinating, and supporting overseas operational resources, staffing department for dispatching personnel overseas, coordination and contract with overseas subsidiary, and execution of operational policy and objectives.



## 2. Board of the Directors

(1)Organization of the Board of the Directors

The Company selects nine directors (including three independent directors) according to Company Act, articles of association and KYEC Director Election Guidelines in addition to calling for Board of Director Meetings routinely. The Board of the Directors serves as the highest decision-making unit of management and exercises rights in accordance with Company Act, Security Exchange Act and, articles of associations as well as other regulations with responsibilities in reviewing corporate management guidelines, annual sales plan, profit distribution, and appointing company managers. To establish an excellent Board of Director Governance system, sound monitoring function, and strengthening of management function, the company develops the Board of Director meeting procedures and rules pursuant to Paragraph 8, Article 26-3 of Security Exchange Act and the "Regulations Governing Procedure for Board of Directors Meetings of Public Companies." The term of this Board of the Directors lasts from June 12, 2014 to June 11, 2017.

Members of Board of the Directors, their major experience, education and part-time functions are described below:

below:					
Title	Name	Elected Date	Term	Major Experience (Education)	Other functions currently serving at the company and other companies
Chairman	C. K. Lee	2014.6.12	3 years	Bachelor Degree UMC Manager	CEO Director of DL Tek Chairman of KYEC Investment International Co.,Ltd. Chairman of KYEC Technology Management Co.,Ltd. Chairman of KYEC Microelectronics Co., Ltd. Chairman of Sino-Tech Investment Co.,Ltd. Chairman of Strong Outlook Investments Limited Chairman of King Long Technology Chairman of Zhen Kun Technology
Vice Chairman	Chi-Chun Hsieh	2014.6.12	3 years	Bachelor Degree Physician	Physician
Director	A. H. Liu	2014.6.12	3 years	PhD Degree President of Intematix Technology Center Corporation	President Chairman of KYEC USA Corp. Chairman of KYEC SINGAPORE PTE. LTD. President of King Long Technology President of Zhen Kun Technology
	China Development Industrial Bank		3	_	_
Director	Representative Fang-Ting Li	2014.6.12	years	Master Degree Manager of Direct Investment Department, China Development Industrial Bank	Associate Manager of Direct Investment Department, China Development Industrial Bank Director of Fintek
Director	Kao-Yu Liu	2014.6.12	3 years	PhD Degree Chairman of Liang-Cheng Construction	Chairman of Liang-Cheng Construction
Director	Kuan-Hua Chen	2014.6.12	3 years	Master Degree Supervisor of Weikeng Industrial Co., Ltd.	Supervisor of Weikeng Industrial Co., Ltd.
Independent Director	Shi-Jer Shen	2014.6.12	3 years	Master Degree Associate Director of Nomura Securities	Salary/Remuneration Committee Coordinator and Audit Committee Member Legal Representative of Chuang-Ju English Crame School
Independent Director	Hsien-Tsun Yang	2014.6.12	3 years	Bachelor Degree Executive Deputy Editor-in-Chief of China Times	Audit Committee Coordination and Salary/Remuneration Committee Member
Independent Director	Hui-Chun Hsu	2014.6.12	3 years	Master Degree Physician	Audit Committee and Salary/Remuneration Committee Members Physician



## (2)Conflict of Interests

Conflict of interest system is stipulated in the Board of the Directors Meeting regulations. For meeting agenda affiliated with the directors or the representative corporations shall be explained of the key contents of interests at the Board of the Director meeting. In case such affiliation is in concern with the interests of the company, such directors may not participate in discussion and resolutions. Moreover the directors should avoid the discussions and resolutions or act for other directors in exercising the voting rights. The company has purchased liability insurance for all directors and key staff while all directors shall record business strife limitation and conflict of interests in addition to publishing in Market Observation Post System for query by the public.

The Company follows company articles for the remuneration of dividend distribution, where the Board of the Directors proposes the distribution and submits to the Shareholders' Meeting for adoption. The remuneration for the President and Vice President include salary, rewards and employee bonuses, which depend on the function served and the liability undertaken, with consideration of the peer standards for similar positions and the management performance outcome submitted to the Salary/Remuneration Committee for review and clarification.

#### (3) Functions of Board of the Directors

The Board of the Directors is the center of key management decision for KYEC, which responsibility includes appointing and supervising the corporate management and the responsibility in the overall operational conditions of the company. The distribution quota for the remuneration of directors shall be submitted to the Shareholders' Meeting for resolution, where shareholders recognize and determine the management performance of the Board of the Directors as the method of measuring the management performance of the highest governing division of KYEC. The measurement of Board of the Directors performance will facilitate the improvement on the decision quality and efficiency of the Board of the Directors, thereby attaining effective management and supervising corporate operations. Additionally, the annual report discloses the director attendance rate of the Board of the Directors to reinforce the directors with fulfilling their due responsibility and obligations, thereby to truly bring the supervision and management function into full play.

## (4) Operations of Board of the Directors

The 2014 Board of the Directors meeting was called for 7 times and the attendance of directors is described below:

Title	Name	No. of Actual Attendance	No. of Appointment of Proxy for Attendance	Actual Attendance Rate(%)	Remarks
Chairman	C. K. Lee	7	0	100.00	Re-election Elected on 2014.6.12
Vice Chairman	Chi-Chun Hsieh	4	0	100.00	New Appointment Elected on 2014.6.12
Director	A.H. Liu	4	0	100.00	New Appointment Elected on 2014.6.12
Director	China Development Industrial Bank	6	0	85.71	Re-election Elected on 2014.6.12
Director	Kuan-Hua Chen	6	1	85.71	Re-election Elected on 2014.6.12
Director	Rui-Min Xiao	0	3	0.00	Prior appointment
Independent Director	Shi-Jer Shen	7	0	100.00	Re-election Elected on 2014.6.12
Independent Director	Hsien-Tsun Yang	7	0	100.00	Re-election Elected on 2014.6.12
Independent Director	Hui-Chun Hsu	4	0	100.00	New Appointment Elected on 2014.6.12



#### 3. Salary/Remuneration Committee

(1) Functions of Salary/Remuneration Committee

To improve the director and manager salary and remuneration system of KYEC, the company develops the articles of association for this Salary and Remuneration pursuant to the provisions prescribed in "Regulations Governing the Appointment and Exercise of Powers by the Remuneration Committee of a Company Whose Stock is Listed on the Stock Exchange or Traded Over the Counter." The main functions of Committee include the follows:

- Routinely review the articles of association for Salary/Remuneration Committee and propose suggestions for revision.
- Develop and routinely review the performance objectives of directors and managers as well as the policy, system, standards, and structure of salary remuneration.
- Routinely evaluate the accomplishment of performance objective for directors and managers in addition to suggesting the content and amount of individual salary and remuneration.

## (2) Operations of Salary/Remuneration Committee

The Salary/Remuneration Committee this year consists of four members, including three independent directors and one independent personnel. The number of committee members may not fall below three with one of them being the coordinator.

The first Salary/Remuneration Committee consisted of three committee member and this year the committee consists of four members. The term for this committee is: June 24, 2014 ~ June 11, 2017.

The 2014 Salary/Remuneration Committee meeting was called twice with the following attendance by the committee members:

Title	Name	No. of Actual Attendance	Actual Attendance Rate (%)	Remarks
Coordinator	Shi-Jer Shen	2	100	Coordinator and
Coordinator	ttor Sni-Jer Shen 2		100	Chairman(Re-election)
Committee Member	Hsien-Tsun Yang	2	100	Re-election
Committee Member	Hui-Chun Hsu	2	100	Re-election
Committee Member	Chong-Qi Huang	1	100	New Appointment (2014.6.24)

## 4. Audit Committee

## (1)Functions of Audit Committee

The Company established the Audit Committee in 2014 pursuant to the Security Exchange Act and the resolutions of general shareholders' meeting. The Board of the Directors also developed the "Audit Committee Organization Articles of Association" to maintain better decisions and organization execution, constantly enhancing corporate management efficiency and implementing corporate governance through realistic actions. KYEC Audit Committee is called for at least once quarterly to bring the supervision effect on the various scopes of corporate governance and corporate operational development into full play, thereby implementing corporate governance, sound supervisory function and strengthening management scheme. The Audit Committee members will also help investor with assurance of company reliability in terms of corporate governance and information transparency, thereby protecting the rights and interests of the shareholders.

## (2) Operations of Audit Committee

The 2014 Audit Committee called for two meetings with the following attendance by committee members:

Title	Name	No. of Actual Attendance	No. of Appointment of Proxy for Attendance	Actual Attendance Rate (%)	Remarks
Independent Director	Hsien-Tsun Yang	2	0	100.00	Coordinator and Chairman
Independent Director	Shi-Jer Shen	2	0	100.00	_
Independent Director	Hui-Chun Hsu	2	0	100.00	_



## 5. Internal Audit Organization and Operation

The organization of Audit Committee is established under the Board of the Directors with functions in inspecting and evaluating the flaws in internal control system and the measurement of operational efficiency by property providing suggestions for improvement. Consequently the Audit Committee will assure the continual and effective implementation of internal control system and assist the Board of the Directors and the management to truly fulfill their responsibilities. The annual audit plan is described below:

The nine circulations of audit operations, including the "sales and payment collection," "procurement and payment," "production," "personnel," financiering," "real estate, plant and equipment," "investment," "R&D," and "calculator," are executed to assure the completion and rationality of internal control system and the effectiveness executed by all departments. It is required by the Financial Supervisory Commission that companies shall be audited for the transactions of derivative financial commodities monthly, sponsor and warranty/debt commitment or operations of loaning matters/funds to others quarterly. In every 3 month, the company shall propose follow-up record of improvement on previous audit flaws in addition to implementing internal control system autonomous inspection operation each year to increase corporate business performance. Moreover, the company shall also follow the "Regulations Governing Establishment of Internal Control Systems by Public Companies" to submit the audit report and audit follow-up report to the Board of the Directors and Audit Committee of KYEC by the end of the month following the completion of the audit report.

The company shall complete the online declaration operations for the following matters within the time specified by the Securities and Futures Bureau, Financial Supervisory Commission. The company shall declare the "annual audit plan" for the following year before the end of December, declare the "audit supervisory and auditor information" for that year by the end of January, the "annual audit plan execution status" for the previous year by the end of February, the "internal control system declaration" for the previous year by the end of March, and the "internal control system flaws and anomaly improvement status" for previous year by the end of May.

#### 6. Employee Code of Ethics and Conducts

KYEC is committed in the supply of integrated post-IC versatile services to become an international professional testing company. KYC also adopts e-commercial code of conducts as standards of promoting corporate social responsibility policy in addition to developing internal commercial conducts and occupational ethics norms procedures to rigorously require all management, employees, and stakeholders to comply with the ethical requirement with the highest standards. The senior supervisor of the administration center shall also serve as the representative, as described in the following diagram.



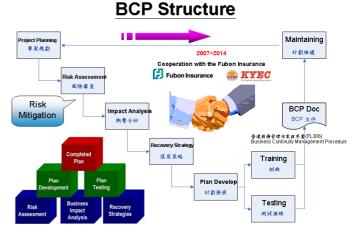
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## 7. Implement Philosophies of Integrity Management

The company implements EICC ethics and integrity philosophy by creating EICC in internal network for employees to check on relevant content. The company also holds training courses each year to require the employees to pass the test and abide by the philosophies. Moreover, suppliers shall make commitment statement not to violate corporate business philosophy while reviewing the relevant ethics and laws quarterly to make immediate update and correction. Consequently the company will keep the corporate regulations up to date. Each year the relevant division will audit each other to inspect for defect that could be corrected and reviewed. The abovementioned method will implement and maintain the overall corporate philosophy of integrity.

## 8. Risk Policy

In midst of the global climate change today, we could easily encounter emergency situations such as natural disaster or human error. To assure the critical processing and services of the company without being the interruption of key operation functions due to sudden accidents and to protect the company's operating plans with successful implementation, thereby maximizing the interests of clients, employees and shareholders, we continue to promote Business Continuity Management (BCM) in order to reduce the impact of disaster on the company and to recover within the shortest time possible and to enhance corporate competitiveness. In particular, the framework of Business Continuity Plan (BCP) is shown below:



#### 9. Risk Strategy

Scope	Risk	Coping Strategy		
	Interest rate	Interest expense in interest rate and exchange rate fluctuation has greater impact on the loss/profit of		
	fluctuation	the company.		
		1. The capital expense mainly consists of import equipment. To reduce the impact of exchange rate		
		fluctuation on profits, the company reaches agreement with major customers to pay some account		
Financial Risk	Exchange rate	receivable in USD.		
	fluctuation	2. Develop the acquisition or disposition of asset disposition procedure according to Article 12		
		"Procedure in Disposing Acquired or Disposed Derivative Product" as the basis of risk avoidance		
		tools in foreign exchange and thereby lower the impact of exchange rate fluctuation on profits.		
	Inflation and deflation	Inflation and deflation do not have major impact on the corporate profit/loss.		
Operational	Investment in	The net cash flow from company operations and public operations contribute to the considerable		
Risk	hardware equipment	operating funding for corporate development.		
		Uphold to the philosophy of "Sustainability" and integration with upstream/downstream suppliers,		
	Energy Resource	the company sustains the use of energy resources through the concept of "green production." Use		
	Management	low-pollution, energy-saving and less-waste green concept to constantly invest in manufacturing		
Environmental		technology and productivity		
Risk		The struggle against climate change and global warming is one of the most important eco-friendly		
	Greenhouse Gas	issues faced by enterprises today. Conducting continuous footprint and greenhouse gas inventory		
	Reduction	each year with energy-saving measures will help the company accomplish the objective in		
		greenhouse gas reduction.		

## Supply Chain Management

## 1. Green Products and Quality Management System

To assure he environmental-related substance contained in KYEC products are in conformance with international laws and regulations, and customer requirement by reducing product impact on the environment and increasing product competitiveness, KYEC introduces the Green Product Management System (GPMS) and receives QC 080000 and SONY's GP certification.

KYEC establishes green product management system in accordance with the IECQ-QC 080000 international standards. Such integrated management system (IMS) exhibits how KYEC provide products with consistency and the capacity to meet the objectives for customer satisfaction, including the continual improvement of system approach, assurance for conforming to customer requirement and applicable regulatory requirement. KYEC will continue to improve management system and provide quality standards surpassing customer expectation.

KYEC management system includes quality management system (QMS), environmental management system (EMS), employee health and safety (EHS) management system, and hazardous substance process management (HSPM) system. KYEC integrates different management system, using PDCA management circulation for constant progress and improvement that will meet customer satisfaction and meet or go beyond the expectation of stakeholders.

## 2. Green Procurement

(1)To fulfill the responsibility of global citizens, the Company actively cooperates to devote in green procurement. Currently apart from procuring green marked products certified by the Government, we also take factors such as power saving, operational performance, energy saving and water saving, and life cycle into consideration for the procurement of equipment and promotion of relevant improvement projects. Hence the green procurement defined by the Company is equipped with "energy saving, carbon reduction, waste reduction, and products, technology and services reducing

- impact on the environment." The standards of green procurement recognized by the company are described below:
  Green products certified by the government, i.e. products with green, energy-saving or power-saving marks.
- Conform to the laws and regulations specified by foreign governments (i.e. EU RoHS, WEEE), or products with green marks and permission for use.
- Require equipment suppliers to take consideration of water saving, power saving, and consumable saving in designing and producing the equipment. All equipment suppliers shall verify the energy performance of relevant equipment operations in conformance or perform better than the procurement contract.
- (2)Cooperate with company green policy by conducting green procurement propaganda in step with the supply chain to integrate green supply chain in the service provided to customers.
- (3)Non-Hazardous Substance Management

KYEC also values product quality and environment with commitment in the control of hazardous substance in products. KYEC acquired the SONY green partner certification in 2003 and was certified by IECQ QC 080000 in 2008.

According to the senior management meeting, the Company shall apply proper propaganda (i.e. meeting, bulletin/board, e-mail, training) for the formulation of non-hazardous substance policy to help all employees understand and care about the execution of team performance.

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## 3. Supplier

KYEC aims to meet customer satisfaction as the highest objectives with the management philosophy in cooperating closely with suppliers. Under the commitment to corporate social responsibility under globally intense supply chain, the Company is devoted in promoting its commitment in corporate social responsibility to the appropriate supply groups with the following key issues:

- Quality and product safety assurance.
- Green procurement.
- Compliance with laws/regulations and social norms.
- Assurance of information safety.
- Commitment of performance in electronic industry code of conducts.

#### (1) Supplier Selection

To assure the upstream and downstream suppliers equipping with the capacity to perform corporate social responsibility, KYEC follows the following standards as primary reference for selecting suppliers. Moreover, new suppliers shall submit and sign the "Supplier Questionnaire Evaluation Survey," "Raw Material Supplier Evaluation," "Supplier's EICCC CODE," and "Supplier's Warranty Letter of Non-use of Prohibited Substance" form upon introduction as the consideration for appraisal review. KYEC also conducts evaluation on suppliers in terms of quality, delivery, price, and services monthly:

- Service.
- Quality.
- Delivery.
- Costs.

Suppliers with outstanding evaluation results shall be listed as cooperation partners of priority. In case the evaluation result does not conform to the system requirement of the company or suppliers have adverse records in the past, KYEC will take more prudent consideration during evaluation whether to list such suppliers into the list of qualified suppliers.

## (2) Supplier Management

KYEC is committed to the maintenance of long-term cooperation with domestic or foreign suppliers by collectively establishing sustainable supply chain with stable development. In addition to taking consideration of the product quality, delivery and price from the suppliers, KYEC also advocates the suppliers to implement green environment, improve safety and hygiene, value human rights, and collectively fulfill the corporate social responsibility in addition to preparing for risk management and operational sustainability project.

KYEC requires all suppliers to strictly comply with quality management system, environmental safety and hygiene management system, and Authorized Economic Operation appraisal through supplier procurement procedures. The supplier procurement procedures require gradual review of supplier criteria, including company profile, relevant certificates, quality certification records, environmental safety and hygiene management survey, operational status, product information, manufacturing procedures, raw materials / materials supplier and operation with continual finance management, signing of procurement obligation related contracts, supplier's Green Product Management, and supplier's social responsibility.

Enhance the overall competitiveness of the supply chain, KYEC not only conducts routine supplier audit but include supplier quality, cost, service level, environmental protection, work safety and technology as well as other factors into appraisal items. In addition to assuring the quality level, KYEC also helps suppliers to find the root cause to supply related anomaly issues, providing necessary counseling when needed so that KYEC's supplier chain can be maintained at the best competitiveness.

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KYEC requires all suppliers to comply with quality management system, environmental safety and hygiene management system and AEO appraisal. KYEC reviews supplier criteria one by one through supplier procurement procedure, including the company profile, relevant certificates, quality certification records, environmental safety and hygiene management investigation, operational status (including main clients, main products, monthly delivery quantity, and percentage), product information, manufacturing procedure, raw material /material supplier and operation with continual finance management, singing contract related to procurement obligations, supplier's green GP management, and supplier's social responsibility. KYEC also requires suppliers to sign the Electronic Industry Code of Conduct (EICC CODE) with commitment in corporate social responsibility management.

To assure corporate social responsibility and the requirement of green laws and regulations are implemented in our suppliers, KYEC requires our suppliers to sign back the "Non-Conflict Mineral Declaration," "REACH SVHC" and "SONY SS00259) with explicit and full disclosure on green supplier management center for suppliers to comply.

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(3) Requirement for Supplier Management

The international anti-terrorism situations intensify increasingly and it is utmost urgent to enhance the security of international import/export goods. To improve the corporate competitiveness and strengthen the factory control over goods safety as well as the overall safety in upstream and downstream supply chains, the company implements supply chain process strengthening from inside the company, including the educational system, production operation, goods inbound and outflow, supplier safety education and audit. KYEC Chunan Plant has acquired the AEO certificate in 2012 and conforms to WCO (World Customer Organization) safety regulation certification so that product export process becomes more convenient. KYEC completed Miaoli Tungluo Factory by the end of 2014 and called for AEO initiation meeting and commercial partner assembly on May 12, 2015, inviting 35 commercial partners to participate. The AEO certification for Tungluo Factory will be completed by the 2015Q3.

AEO is the abbreviation for Authorized Economic Operator and is also known as "Quality Enterprise." Quality Enterprise refers to owners helping custom meet safety measures with certification. Any operations related to international transport of consignment shall comply with WCO or equivalent supply chain security standards. Moreover, these enterprises recognized by the national custom bureau or representatives shall be certified into AEO. The first batch of semiconductor companies receiving certification in Taiwan includes Macronix (2337). Later more domestic IT factories were certified.

KYEC's Chunan Plant, located in Miaoli has been awarded with AEO since 2012 and also the first enterprise in Miaoli County to have been certified by AEO. The plant has been entitled to fast and convenient custom clearance measures in recent years, which not only effectively shortens the custom clearance time for consignment but also offers faster delivery, convenient and safe consignment transport services to customers. The international key customers have shown substantial reliance and satisfaction in KYEC, promoting the steady growth of KYEC in recent years.

The validity of AEO certificate for Chunan Plant will expire in 2015 and hence Tungluo also will apply for AEO certification apart from actively applying for renewal. The Tungluo Factory will also apply for AEO certification and is the factory is scheduled to complete the certification of Tungluo Factory AEO as the third quarter.

Chairman C.K. Lee also led the members from AEO promotional team. During the initiation, National Cheng Kung University R&D Development Foundation also conducts AEO for introduction to counseling. There are also 35 KYEC cooperating suppliers who will strengthen the connection of future supplier chain commercial connection. Moreover, the officials from Taichung Custom and Taipei Custom both serve as witness while declaring Tungluo Plant as AEO certification of suppliers.

(4) Procurement Measures for Conflict Minerals

EICC established the Electronic Industry Code of Conduct (EICC CODE) standards to assure the work

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environment safety in the supply chain of electronic industries, where labor receives respect and dignity with responsibility of commercial operations to the environment.

In response to the international control and requirement for conflict minerals, KYEC strictly requests the suppliers not to use the conflict minerals produced in this region for the raw materials provided, in addition to listing this requirement in the Supplier's Electronic Industry Code of Conduct (EICC CODE, to assure the suppliers will not use conflict minerals in the effective supply chain management for materials supplied.

The following table shows the number of KYEC's suppliers acquired with EICC CODE between 2013~2014:

CODE OF CONDUCT, 以下稱 EICC CODE) 基本元素子根份有限公司對企業非常 年之利期現定: - CECC CODE 之紙考色合下列項目,其詳細規定負責肌,可五下列違於取得, ILCC CODE 之紙考色合下列項目,其詳細規定負責肌,可五下列違於取得, ILCC CODE 之紙考色合下列項目,其詳細規定負責肌,可五下列違於取得, ILCC CODE 之紙考色合下列項目,其詳細規定負責肌,可五下列違於取得, ILCC CODE 公式 ALCC LAND CONDUCTION (CODE CF CONDUCT) which KYEC request suppliers to implement related regulations of corporate social responsibility from owo on. EICC CODE Socie CLECTFOLD (INDUSTRY CODE OF CONDUCT) which KYEC request suppliers to implement related regulations of corporate social responsibility from owo on. EICC Code scope including following items and link website (http://dic.inflo) to get more detailed information and stpulation. M ILCC Code scope including following items and link website (http://dic.inflo) to get more detailed information and stpulation. M ILCC Code scope including following items and link website (http://dic.inflo) to get more detailed information and stpulation. M ILCC Code scope including following items and link website (http://dic.inflo) to get more detailed information and stpulation. M ILCC Code scope including following items and link website (http://dic.inflo) to get more detailed information and stpulation. M ILCC Code scope including following items and link website (http://dic.inflo) to get more detailed information and stpulation. M ILCC Code scope including following items and link website (http://dic.inflo) to get more detailed information and stpulation. M ILCC Code scope including following items and inflo inf		本公司承諾自即日起確實遵守與執行電子工業行為準則 (ELECTRONIC INDUSTR
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A. 券工         B. 技業商業公         C. 環境         D. 音塚素桃         E. 道徳規範         E. 道徳規範         E. 「東京の市業内水市、大学家市の学科学商売商業品店社会同論的は(Co)・金(Au)・地(Pd)・地(Ta) 新(Sh)(sh(M))・其本意的学科学商売商業品店社会同論的は日文区は成の市法価場項第 ま:=市市村区の物支店総合 6(株長井石目)ま中:・市共市事業和美市市社内市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市市	<u> </u>	EICC CODE 之範疇包含下列項目,其詳細規定與資訊,可至下列連結取得,
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電子工業行為準則 (EICC CODE) 承諾書

System Verification	No. of companies in 2013	No. of companies in 2014
EICC CODE	90	86



AEO Initiation Meeting, Chairman Lee acknowledges the speech.



Chairman Lee, President Liu, and Vice President Li in group photo with suppliers



Chairman Lee, President Liu, and Vice President Li in group photo with custom staff (5) Supplier Audit

Suppliers of KYEC need to conduct routine appraisal and classify suppliers according to the amount of transaction and the types of materials, which will be accompanied by SQM and relevant staff to conduct audit and evaluation of suppliers, in addition to recording in the "Supplier Audit Form" and "Supplier Audit Result Form." To assure the supplier's quality meet our requirement.

The Company will conduct quality system, environmental protection system, safety and hygiene management, and basic human rights and social ethics audit for suppliers of key materials through non-routine interview, meeting, site audit, and key counseling each year. In case of any defect, KYEC will immediately request suppliers to propose reasonable improvement objectives and time to assure the suppliers meet the aforementioned requirement.

※供應商(Suppliers)	※ 供雇商(Suppliers)						
	w Mastel (additional)						
Direct material: Direct touch	Direct material: Direct touch customer product .						
> Indivest metavial: Indivest /n		du a t					
Indirect material: Indirect /n	o touch customer proc	auct.					
Material Type	Direct	In direct	1				
Transaction sum (NT:10K)	Material	Material					
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1 0 0 0 ~ 8 0 0	А	В					
800~600	В	В					
600~400	В	В					
4 0 0 ~ 2 0 0	В	В					
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			-				
→ A級廠商:為 KYEC 關鍵供應商,每一	年定期評壯一方。						
A-class suppliers: KYEC's key supp							
	· · ·						
→ B級廠商:(1)當年度供貨品質平均(供應							
(2)現場稽核結果不佳,當年	(2)現場稽核結果不佳,當年度稽核分數低於80分,將於次年度排定稽核。						
(3)有重大品質異常容訴事件之供應商。							
B-class suppliers : If conform to these item below.							
(1) the annually monthly p	(1)The annually monthly performance Quality avg. score (Quality total scores : 60) less than 52.5 points.						

(1)The annually monthly performance Quality avg. score (Quality total scores : 60) less than 52.5 points. (2)Site audit score is less than 80 points current year, SQM will arrange site audit next year. (3)Maior guality claim issue.

#### → C級廠商:依品質狀況進行稽核。

C-class suppliers: Evaluation depend on quality situation.

SCORE	GRADE	MEANING	MEASURE
90~100 points	0	Outstanding	The company will increase order quantity to suppliers of this class.
80~89 points	Е	Excellent	The company will keep the order quantity to suppliers of this class.
70~79 points	G	Improvement Required	The company will issue e-mail to warn suppliers of such class.
<70 points	F	Disqualified	Sending invitation letter to supplier of such class to require
			improvement.

## (6) Negotiation of Agreement Content

In the process of negotiating the contract content with suppliers, we uphold to justice and fair attitude.

## (7) Supplier Information

We will never disclose confidential information provided by suppliers for use with non-KYEC external personnel, unless otherwise agreed by the consensus and instruction of suppliers in written form.

## (8) Communication Channels of Supplier

In addition to using mail and phone communication, KYEC also holds supplier assembly to acquire the common market views from the suppliers. Meanwhile KYEC calls for meeting routinely to discuss and search improvement methods for the product characteristics, specification and quality stability. This will contribute to the improvement on product quality and delivery efficiency of KYEC suppliers.

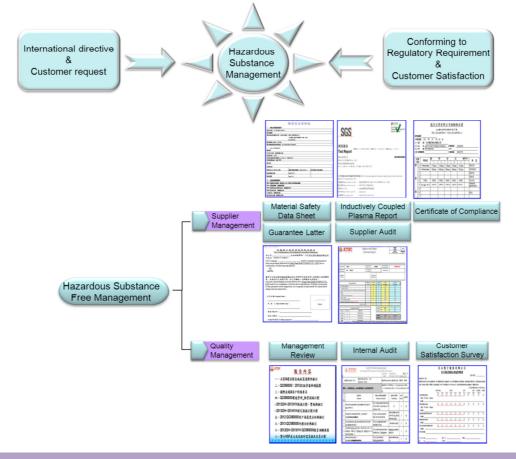
(9) Supplier's Green Package Material Management

In pursuit of environmental sustainability and reduce the pollution of packaging material on the environment, KYEC implements green packaging material policy such as "supply chain management," "routine x-ray fluorescent light analysis," "propaganda and communication," and "compliance with international regulations." KYEC cooperates with hazardous substance management to further boost green competitiveness and become outstanding green enterprise. **3 Aspects For Hazardous** 



• Hazardous Substance Management System

The Supplier Management Division of KYEC will take consideration of multiple international standards and regulations (including SONY SS00259, REACH SVHC and RoHS 2.0) to formulate the management system with non-hazardous substance. KYEC also assures the relevant activities and operations of hazardous substance in conformance with hazardous substance management system requirement through this system procedure (including supplier management, quality management) in addition to meeting customer requirement and international regulations, thereby to lower the impact on human or the environment.



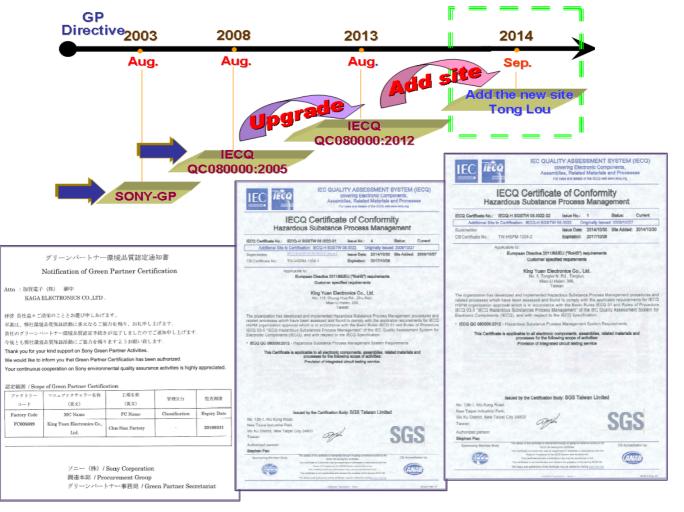
## (10) Quality Management

KYEC routinely conducts internal audit and management review activities to assure conformance with international standards requirement and customer demand for packing materials with hazardous substance. KYEC collects laws and regulations related to hazardous substance in every half year, such as REACH SVHC, SONY SS00259 and RoHS 2.0 in addition to notifying suppliers to sign letter of warranty for assurance of conformance to hazardous substance related laws and regulations.

	<b>質稽核小組人</b>	<u> </u>	_																
稽核單位/組別	受稽核單位	稽核小組長														4	孟事,	<i>養處學</i> :	6Z
	BU1 ()	陳玟君	HQ			PQA	江明育		潘重宇		王宣懿	TE1	陳明池	PD1	朱祖緯	PD1	陳美君		
BU1 (~)	部門互稽	126753	СН		1000 1000 111			PP2	陳瑛葉	TE2	吴俊逸	TE2	郭品宏	PD1	羅日清	PD1	曾月鳳	PD2	林宣
		120733		*	吴榮哲	*	楊雅雯	SQM	李俐瑩										
BU2	BU1	*亚貞慶		*	楊靜敏	*	楊清 翔	*	賴盈翰	*	葉坤泰	*	蔡英傑	*	張芸榛	*	邱美慧		
BU2 (二)	DU0 ( < )	* = *	ASI	PQA	李麗芬			PP	郭玟伶	PE	李明順	PE	陳怡君	PE	周殷浩	PD2	鄭茹月	PD2	吴荼
	BU2 (二)	李 麗 芬 126778	СР	PQA	徐毓芬			PP	劉柏群	TE	潘辰妮	TE	彭文榉	TE	李銘豐	PD1	林曾暉	PD1	徐美
	部門互稽			*	邱富美	*	彭静嬌	SQM	陳詩吟										
BU1	BU2	*曾月鳳		*	林哲頡	*	陳俊宏	*	易軒	*	王宣懿	*	詹鎮羽						
	BU3 (三)	蕭 绣 玉 126973 -		PQA	李淑鈐	PQA	邱燕萍	PP	張守姗	TE	黃智煒	PD1	黄淑玲			AE	陳俊瑋	AE	吴维
BU3 (트)				PQA	羅宣華			PP	陳秋芸	TE	孫家賢	PD2	方昭欽	PD2	蕭珮佐	PD2	王士銘	AE	沈逸
	部門互稽			*	張淑禎	*	林巧翎	SQM	吴耿维										
BU5	BU3	*張玉芳		*	李佳勳	*	徐銘鴻	*	鍾宜珮	*	李郡之								
	BU5 (四)	張淑禎		PQA	林信吉			PP	王茹評	TE	羅薏萍	TE	陳秀枝	PD1	孫郁明	PD1	陳愛真	PD2	蘇美
BU5 (🖾 )	BUS(四) 部門互稽	126751		PQA	張淑禎			PP	陳豫庭	TE	羅文聰			PD1	陳怡憶			PD2	許博
	'에' [] <u>의</u> 개발	120751		*	彭懷德	*	沈勝裕	SQM	徐佩君										
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	BU6 (五)	陳坤隆 136703		PQA	陳坤隆			PP	葉俞秀	PE1	黄俊瑋	PE2	郭長澐	PD1	陳英慈	PD1	楊友善	PD1	黎欣
BU6 (五)				PQA	柳仲錯			PP	廖品婷	PE1	蔡宛真	PE2	高國霖	PD2	鄧瑋琳	PD2	李慶康	PD2	陳鈺
	部門互稽			*	蔡宛真	*	吴雅文	SQM	倪藝庭										
		*賴美秀		*	黄文忠	*	陳信衡	*	陳秀恵										

(11) Evolution of Green Hazardous Substance Certification

KYEC acquired the SONY Green Partner Certification in 2003, was certified by QC080000 (IECQ 2005) hazardous substance process management system standards in 2008 and acquired the revision of QC080000(IECQ 20012) in 2013. The new plant (Tungluo) also acquired the QC080000 certification in 2014.



(12) Supplier's Major engineering Project Change and Obligations of Notification

When suppliers voluntarily change internal engineering projects that are key matters of change, the suppliers will need to fill out the "Supplier Engineering Change Notification" and submit to KYEC for co-signing. The internal cosigning divisions of KYEC consist of the relevant divisions of the manufacturing center, quality assurance division, procurement division, supplier quality management division, and quality assurance office. The management division of suppliers shall reply the suppliers with the co-signing result.

The key matters of change are described below:

Major	Item
1. Process	Product process flow change
2. Product parameter change	Temperature/ Time etc.
3. Machine/model change	1. Machine change
	2. Model add or change
4. Relocate equipment	Relocation to different plant
5. Inspection Specifications	QC stamping plan loosen
6. Temperature/ Humidity/ Particles	Change in clean room specifications., ex: Temperature, Humidity and
	Particleetc.
7. Material change	1. Component change, ration change
	2. Use of recycled materials and mix ration.
	3. If supplier will discontinue materials (any lot NO. of material for KYEC) must
	inform KYEC six months in advance.
8. Packing method, materials,	Change in packing, materials and size, color, word, shape of all the packing
appearance change	appearance (label included)
	Change of structures specified in a drawing or specification.
	Change of structures not specified in a drawing or specification.
9. Location change	Production area or supply source change.

## (13)Order consistency

According to the direction established by the company, some mature products will outsource to downstream suppliers for production while products with high-precision and high added-value will be produced by the company. When the market changes and to maintain the normal productivity of suppliers, the company shall maintain certain ratio of production to external suppliers through coordination scheme in order to achieve co-existence and co-prosperity. To maintain order consistency, the company will take consideration of the production costs within its own plant and the production quality by suppliers in order to maintain the room for profits assigned to suppliers as well as the intent to long-term cooperation.

In 2013, the company has conducted auditing and investigation on five dimension, including quality system, lower-level supplier management, processing control, social responsibility, and environmental management for 40 raw material suppliers, which output accounted for 71% of the total procurement amount of KYEC. Currently the main world global suppliers for quartz come from Japan with over tens of years of technical threshold. In particular, 95% consists of Japanese suppliers and 5% consists of Taiwanese suppliers, making it difficult for KYEC to search for local suppliers within a short period of time. Nonetheless localization of procured items is a consistent procurement of KYEC and in the future if Taiwanese suppliers are interested in investing in the quartz upstream industries, KYEC is quite optimistic about the outlook and will also take initiative to cooperate and assist.

#### (14) Supplier Distribution

KYEC is devoted in maintaining long-term cooperation with domestic or foreign suppliers by establishing a sustainable supply chain with stable development. In addition to taking consideration of the quality, delivery and price of products from suppliers, KYEC also advocates suppliers to implement environmental protection, improve safety and hygiene, value human rights, and collectively fulfill corporate social responsibility in addition to preparing for risk management and operational sustainability plan.

KYEC also actively promotes production localization in recent years and values the economic development of supply from Taiwan. The purpose is to reduce transportation costs, reduce carbon reduction, and diversify risks in addition to foster employment opportunities for local industries. In 2013, the procurement of raw materials from Taiwan has increased from 26.0% of previous year to 30.5% and even increased to 32.5% in 2014. KYEC will continue to foster local Taiwanese companies and encourage foreign companies to set up plants in Taiwan in order to collectively reduce production costs and risk, and thereby enhancing competitive advantage.

Apart from constantly increasing localized procurement and improve quality objectives, KYEC will further advocate for close cooperation with suppliers in 2015 to introduce alternative materials made from place of origin and reduce single manufacturing place for raw materials in case of risk of materials shortage due to natural disasters and force majeure.

KYEC has long established a sound strategic high-tech product flow control process since 2013. The plant is committed to building explicit and effective corporate internal export control process, including autonomously building a blacklist of ICP (Internal control program) for upstream and downstream supply chain and establishing export control numbers and good correspondence list. The aforementioned ICP system is used with the international black list released by the Bureau of Foreign Trade to carry out G2B comparison of industry-government cooperation mechanism. KYEC also establishes company policy for this flow by listing the stance of the company in export control with stipulation of punishment and reporting mechanism that will implement the purpose of internal export control policy.

## (15)Conflict Minerals Management

For conflict mineral management, as a member of electric industry supply chain, KYEC fulfills its corporate social responsibly by abiding by the conduct codes and relevant requirement developed by the Electronic Industry Citizen Coalition (abbreviated as EICC) and Global e-Sustainability Initiative (abbreviated as GeSI). KYEC also investigates on the supply chain and prepare into policy with commitment not to use the conflict minerals from Republic of Congo or peripheral countries. The "Policy on Non-Conflict Minerals" is described below: Conflict minerals refer to the gold, tantalum, tungsten and cassiterite that have been, mined and marketed in the mining fields in the territory of Republic of Congo and neighboring countries under the control of armed groups. The mining or control of abovementioned minerals often leads to serious issues in human right, race, and illegitimate interests, and hence as a member of the global village, KYEC is committed to the following:

- KYEC will not procure conflict minerals produced from conflict zones.
- KYEC is devoted to request upstream and rater material suppliers to refuse using conflict minerals from conflict zones with the presentation of letter of commitment.

To assure the suppliers on the supply chain comply with this policy, the company has requested all suppliers supplying electronic materials to KYEC to fill out the "Non-Conflict Mineral Declaration" in case any of the substance inside the product could possibly contain conflict mineral. Meanwhile suppliers shall provide the list of metal refinery plants approved by EICC and GeSI to assure the products will not use any conflict mineral from the aforementioned areas. All suppliers of KYEC, including materials consisting gold, tantalum, tungsten and cassiterite have signed the "Non-Conflict Mineral Declaration."

## 4. Green Logistics and Vision

KYEC owns the largest product distribution fleet among all domestic industries, which have the most impact on the environment on waste gas emission and resource use during transport. In view of this, KYEC started taking active measures in GPS control over delivery vehicles in 2005 and advocated for the significance of idleness on the environment in 2013, informing the correct driving method that can save fuel costs, reduce packaging materials and recycling for supply chain, to gradually reduce adverse impact of logistics operations on the environment.



## 5. Optimizing Pickup/Delivery Routes

KYEC improves transport efficiency, reduce transportation miscellaneous costs and cost wastes of unnecessary routes through rational design of vehicle routes, which effectively resolve the chaos of transport movement and mitigates traffic congestion to attain the social benefits of environmental protection.

#### 6. Idle and Fuel Statistics

The management division reviews the monthly fuel costs and idle status in addition to reviewing the best routes with integrated number of shifts and adjustment of vehicles schedule, in order to reduce the number of shifts and fuel costs (the number of rides to and return from Tungluo Plant has increased from 9 shifts to 13 shifts since May 2014. It is valuable for the company to maintain the same mileage).



	全部		¥		<u>u</u>	
<b>.</b> (7.128)	<u>4988</u>	<u>駕駛員時有者</u>	<u>分類</u>	回傳時間	<u>定位位置</u> 3	<u>車況現況</u>
🛃 續效管理						
	4239-B8	<b>●</b> ▶林龍吉	3.5噸小貨車	2015/07/20 14:29:34	新竹市東區埔頂路99卷62弄【京元電子股份有限公司】附近37公尺	☑熄火
夏朝管理	1438-B8	劉承彦	3.5噸小貨車	2015/07/20 14:48:47	新竹市東區園區二路(南茂科技)附近122公尺	4年14月11日 (1915年1月11日日) (1915年1月11日) (1915年1月11日)) (1915年1月11日) (1915年1月11日) (1915年1月11日)) (1915年1月11日) (1915年1月111日) (19158年1月111日) (19158年1月111日) (19158年1月111日) (19158年1月111日) (19158年1月111日) (19158年1月111日) (19158年1月111日) (19158年1月111日) (191588年1月111111111111111111111111111111111
👔 昆庭管理	4868-B8	<b>》</b> 李本全	3.5噸小貨車	2015/07/20 14:48:48	新竹市東區力行路【旭曜科技】附近71公尺	4年60 km/h 向東南
🧏 客戶管理	619-Y7	<b>》林</b> 銘緯	10.5噸中貨車	2015/07/20 14:48:48	桃園市観音區濱海路武威段	45 km/h 向東
🏠 XIIII	ABN-2551	<b>》</b> 蔡坤諭	3.5噸小貨車	2015/07/20 14:48:04	桃園市中壢區中山高56公里	4 89 km/h 向東北
🧯 特殊服務	2456-QA	<b>》</b> 蔡政倫	3.5噸小貨車	2015/07/20 14:45:00	苗栗縣頭份鎮縣124甲縣道	⊠熄火
	AKP-6215	<b>》</b> 駕駛4	業務用車	2015/07/20 10:30:00	苗栗縣碩(分鎮光明街 <b>,</b>	(2)熄火
	AFN-9920	♪ 宮 駅 001	客貨車	2015/07/20	苗栗縣銅羅鄉銅科北路(京元銅羅廠)附近97公尺	🚑 13 km/h 向東北

outes of v pickup operations by immediately notifying the driver, avoiding repeated shifts and saving fuel costs. 1

#### **Idle GPS Controlled Delivery Vehicles** EC KYEC

時間	位置/狀態	里程	関車(含怠速)	怠速 停留	熄火 停留
09:03	出 車:苗栗縣竹南鎮中華路【京元電子股 份有限公司(竹南分公司)】附近28公尺				
09:03 - 09:26	新竹市東區展業一路【頒邦展業廠】附近 17公尺	16.42 公里	23 <del>/}</del>		
09:33 - 09:48	新竹縣寶山鄉研發一路【米輯科技】附近 65公尺	2.17 公里	15分		
09:55 - 09:58	新竹縣寶山鄉園區三路【聯詠科技(新大 樓)】附近77公尺	0.47 公里	3分		
10:48 - 10:51	新竹縣寶山鄉新竹交流道【南茂科技】附 近102公尺	0.83 公里	3分		
11:05 - 11:22	苗栗縣竹南鎮中華路【京元電子股份有限 公司(竹南分公司)】附近14公尺	16.73 公里	17分		
11:38 - 11:40	苗栗縣竹南鎮中華路【京元電子中華一 廠】附近30公尺	0.35 公里	2分		
11:40 - 13:40	苗栗縣竹南鎮中華路【京元電子中華一 廠】附近30公尺				2 小時 0 分
13:40 - 13:45	苗栗縣竹南鎮中華路137巷【京元電子中 華廠】附近138公尺			5分	
13:45 - 13:46	苗栗縣竹南鎮中華路78巷29弄【京元電子 中華一廠】附近33公尺	0.31 公里	1分		

Mangers shall explain the significance of idleness impact on the environment to all drives and employees monthly. The managers shall notify the correct driving method to save fuel costs and monitor the vehicle idleness through satellite navigation and monitoring. 2

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## **Environmental Management**

KYEC develops an energy management policy for the factory and the energy-saving team, which the senior manager supervises and steers by routinely calling for meetings each month. KYEC also establishes the real-time monitoring and management system to organize and institutionalize energy management through routinely analyzing the factory power consumption and energy-conservation control effect and constantly setting up reduction in power consuming units.

## 1. Energy Consumption and Management

## $(1) \ {\rm Energy} \ {\rm Management} \ {\rm and} \ {\rm Audit} \ {\rm System} \ {\rm Implementaiton}$

- •Estabilsh integrated "waste reduction and energy saving" organization framework to include procurement, sales, quality management and other divisions so that the management becomes more comprehensive.
- Based on company environment policy, KYEC establishes and includes the differnt objectives in waste reduction and energy saving as obligations to be followed by all employees.
- •Call for energy control meeting weekly to routinely analyze and inspect the performance of factory power use

and energy saving, implementing target management and reduction for energy-consumption division.

- Set up real-time monitoring system to organize, institutionalize and simplify energy management system
- •Control the use of various energies and send personnel to handle and review causes immediately for any anomaly.
- •Routinely implement equipment maintenance and care by constantly evaluating equipment performance and replacing old power-consuming equipment with new ones to improve the energy-saving effectivenes
- •Discover potential abnormal energy consumption from IT-Scan technology to immediately trace and improve.
- •Integrate system standards in environmental certification such as ISO14001, ISO14064 and QC080000 with factory operations to improve the management system.
- Introduce excellent suppliers and experts to particiapte in evaluation and improvement by learning from their experience and improving the energy-saving effect of the factories.
- •Establish proposal and improvement incentive mechanism, encouraging staff to propose energy saving and improvment solutions in addition to distributing bonus according to effectiveness.

## (2)Energy Usage

•The direct energy and indirect energy use for 2014 are shown below, which consiss mainly of power use

while diesel is mainly used in emergeny power generator, activated only during routine maintenance and testing.

• The 2014 power consumption is divided into the follows: Unit (MWh/Year)

				Power			Diesel	Gasoline	Natural Gas	LPG
				405,940 MWh/ year			538L/ year	0	0	0
	Chunan Plant	Hsinchu	Tungluo	Total	Ratio	F	Pie ch	ort of 2014 f	factory power	• 1160
		Headquarters	Plant				I IC CII	distrik	• •	usc
Lighting	39,556.20	1,212.6	1,154.4	41,923.2	10.3%				Dust	
Air-Conditioning	129,456.60	8,003.2	7,117.7	144,577.5	35.6%				Collection equipment	
Air Compressor	28,768.10	3,880.3	2,546.1	35,194.5	8.7%			Treatment0.62%	0.62%	10.33%
Processing power	157,865.10	10,428.4	10,922.6	179,216.1	44.1%			0.02%		
Sewage	2,157.60	242.5	128.3	2,528.4	0.6%		Processing power			
Treatment							44.15%			
Dust Collection	1,798.00	485.0	217.3	2,500.3	0.6%			Air Compressor		Air- Conditio
equipment								8.67%		35.62
Total	359,601.60	24,252.00	22,086.40	405,940.00	100%					



## (3) Energy Saving Project and Effects

•Nearly 90% of KYEC 's greenhouse gas emission comes from power consumption and hence the annual objectives of continual execution emphasizes on the improvent projects in power conservation and management. We continue to develop and upgrade equiment performance by more profoundly launching different facility and processing equipment energy-saving projects. The performance of 2014 energy saving projects are described below with a total of 3,267.9 tons of carbon emission reduced and a reduction of 6,142,656 kwh in power use.

Specific Approach	Environmental	Effects	Economic Effect	
	Energy Saving	Carbon reduction	(NTD thousand /year)	
	(kwh/year)	(tone CO2e/Year)		
Clean room 5 feet T8 changed to LED light for energy saving	5,060,000.0	2,691.9	13200.5	
Zhonghua Plant, 1st and 2nd floor goods access area, 5 feet	284,000.0	151.1	570.0	
T8 changed to LED tablet LED for energy saving				
4 factories adopting high-performance 600HP air compressor	387,400.0	206.1	1,088.0	
to replace the two 300HP air compressors.				
Drying machine replaced with new two absorbents	136,700.0	72.7	369.0	
4 factories adopting high-performance 75HP vacuum to	21,000.0	11.2	59.0	
replace the two 40HP vacuum				
Hsinchu Headquaters main platform centralization project	218,516.0	116.3	607.5	
Hsinchu Factory main platform centralization project	35,040.0	18.6	78.4	
Total	6,142,656.0	3,267.9	15,972.4	

## 2. Water Resource Use and Impact on Water

## (1)Water saving Policy and Management

- Establishing water saving promotion organization to develop guidelines for all employees to follow each year.
- Establish operation process routine review as reference for the management of water euqipment operations.
- •Estbalish operation procedure routine review as reference for management of water equipment operations.
- Use monitoring system, routine metering, routine maintenance and inspection to assure stable water use.
- Routinely inspect and review water balance chart to understand change in water use.
- Recycling and reusing processing waste water to increase water resource recycling rate and reduce the use of tap water.
- Routinely posting posters regarding water saving and energy saving and using training, gathering or various propaganda channels to enhance information on energy saving for employees.
- Cooperate with performance assessment and proposal improvement system to encourage employees with proposal of energy and water saving solutions.
- •New factory design with excellence energy saving equipment and system will be adopted with priority. The factory will be paved with interlocking tiles for water to directly seep into the ground.
- •Actively particiapte in govenment agency water saving project and seminar to constantly exchange experience in water saving with peer industry.
- •Seek for new equipment and technology to upgrade in-factory water resoruce recycling and reuse ratio.
- Validate performance of in-factory facility and replace devices that wastes water to avoid waste.



# **Environmental Policy**

1. Effectively use energy resource,

promote waste reduction,

classification, and recycling and reuse.

2. Constantly improve, upgrade environmental performance and commit to pollution prevention to conform to environmental protection act and customer standards.

3. Promoting environmental protection is the responsibility of everyone and such concept should be constantly promoted.

4.Establish "Green supply chain" management system to reduce the impact of products, processing and related services on the environment.

# Water Saving Strategy

### **Management Policy**

- 1.Formulate energy resource control procedure.
- 2. Utilize monitoring system and routine meter measuring to control water use.
- 3. Routinely maintain and inspect relevant equipment to assure stable water use.
- 4. Inspect water use monthly to avoid abnormal water use.
- 5. Routinely review water balance chart to understand change in water use.
- 6. Increase water recycling and reduce use of tap water.
- 7. Continual plan for processing water recycling and reuse

# **Promotion Policy**

1. Routinely posting posters regarding water saving and energy saving.

2.Educate employees through training or gathering with correct new knowledge in energy saving.

3.Using environmental protection e-newsletter to strengthen employee cognition in energy saving.

4.Cooperate with performance assessment and proposal improvement system to encourage employees.

5.New plant design for equipment and system with excellent energy saving will be adopted with priority.

### (2)Water Resoruce Management Indicators

• KYEC constantly launch different water saving projects, including recycling and reuse of processing waste water, water treatment improvement, water processing recycling rate, and upgrade in re-utilization rate performance, to effectively use resources.

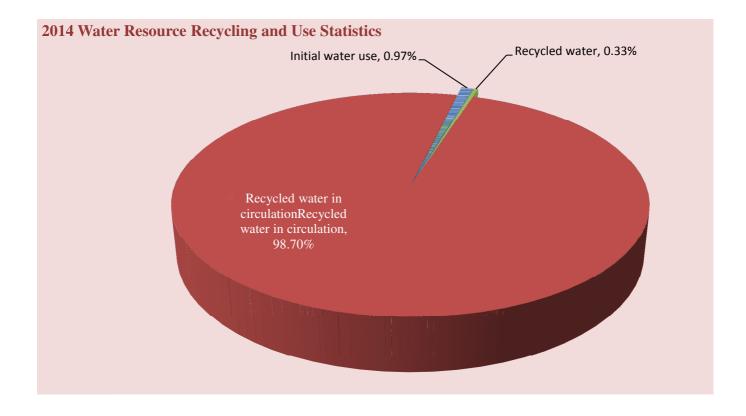
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•The 2014 water resource recycling and reuse is described below:

Water Unit: Tons									
Items	Initial	Recycled water	Recycled	Total water use	Repeated utilization	Recycle rate (excluding			
	Water use	in circulation	water use			cooling water tower in			
						circulation)			
Cooling	677,480	124,151,976	_	124,829,456					
Furnace	_	—	-	-					
Processing	526,247	3,153,600	427,630	4,107,477	99.03%	74.19%			
Livelihood	42,462	—	-	42,462					
Total	1,246,189	127,305,576	427,630	128,979,395					

Remarks:

- (1)Repeated utilization rate=(Recycling water in circulation + Recycling and reuse water)÷ total water use
- (2)Recycling rate =(recycling water in circulation + recycling and reuse water –cooling water tower circulation )÷(total water use –cooling water tower circulation)
- (3)Recycling water in circulation: Referring to the reuse water without treatment from the same water-use division
- (4)Recycling and reuse water: Referring to the reuse water after waste water treatment.

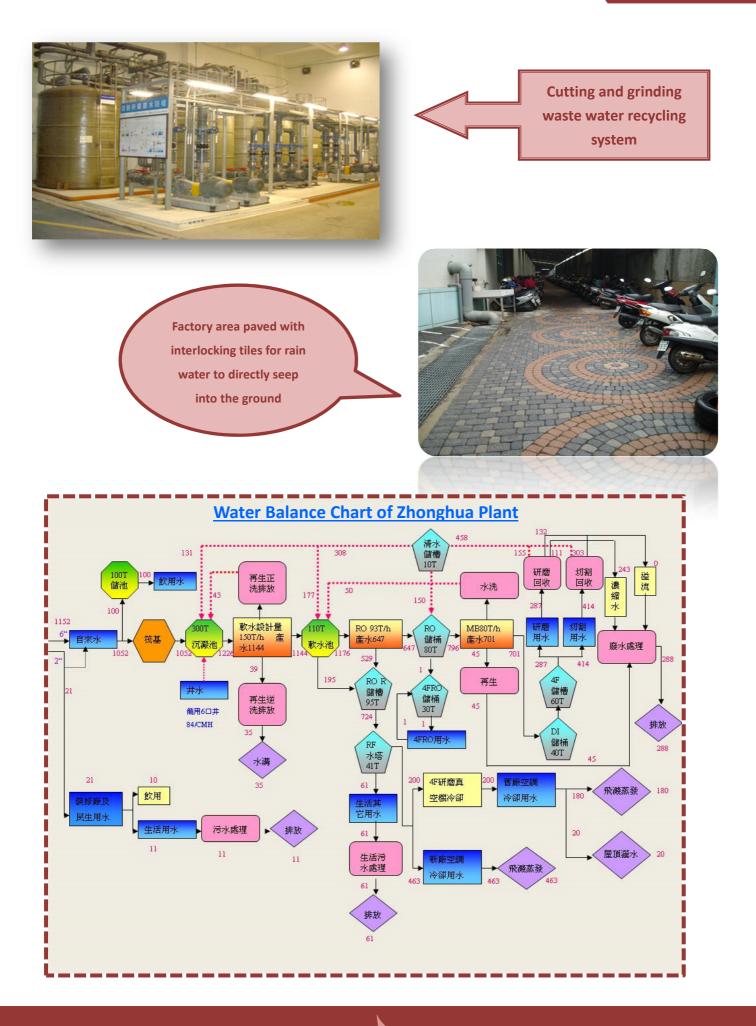




# (3)Water Saving Plan and Benefits

No.	Implementation Solution	Envir	its	Economic Benefit's		
		Water amount saved	Amount of sludge saved	Carbon reduction (tones/year)	Amount saved	
1	The wests water from outting and gainding wafer	( <b>10K tons/year</b> ) 64	(tons/year) 883.1	(tones/year) 124.16	(NT10,000/year) 3336.9	
1	The waste water from cutting and grinding wafer in the process is recycled to pure water system for supply to site processing.	04	665.1	124.10	3330.9	
2	The vacuum cooling water during the grinding process is changed from the discharged to recycled and reuse water.	11	151.8	21.34	571.5	
3	The rinsing water for sludge dehydrator in waste water field is changed from tap water to discharged water.	14.6	0	28.32	186.1	
4	The ROR recycled water produced from the ultra-pure water system RO tube is supplied to cooling tower use.	14.6	201.48	28.32	469.3	
5	Soft water system cleaning water in reserve for recycles to the sediment pool, then supply for soft water system use.	1.46	201.48	2.83	93.7	
6	Pure water system in mixed bed trial water recycled to soft water pool for RO water use.	1.3	17.94	2.52	41.5	
7	Re-distribute the pipe for toilette flushing and bathroom from faucet water to ROR recycled water.	1.8	0	3.49	23.2	
8	Adopting sensor faucet and adjust the amount of water flow	3.9	0	7.56	50.7	
9	Replace traditional sludge dehydrator with plate frame based filter	1.46	0	2.83	31.2	
10	The recycling tube for cutting and grinding water water replaced with DOWEX tube	15.257	235.98	29.59	820.8	
11	Plant 4 rain water recycling system established	1.44	0	2.79	18.4	
12	Full bottled water placed in toilette water tank or adjusting the water level on water tank to reduce the amount of water for flushing.	0.215	0	0.42	2.7	
13	Recycling condensed water from the external air-conditioning box	0.912	0	1.77	11.6	
14	Plant 2 and Plant 4 Rain water storage tank added with piping	0.582	0	1.13	7.4	
15	Chunan Factory Rain water recycling system integration	1.059	0	2.05	13.5	
	Total	133.585	1691.78	259.12	5678.5	





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Computer Monitoring





Waste Water

**Recycling System** 

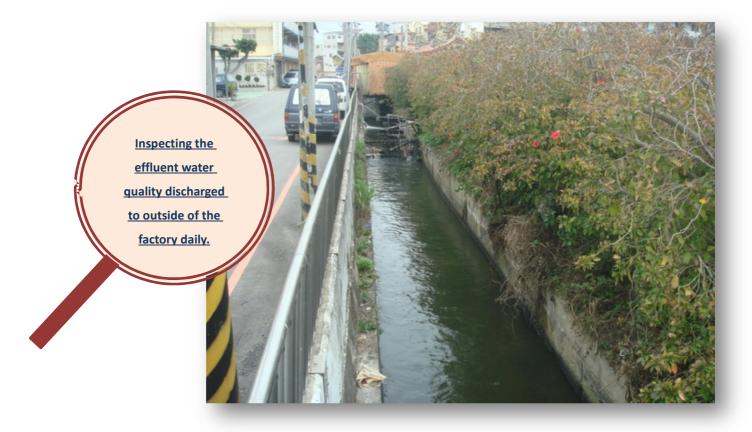
Water resource management, Real-time monitoring system

# (4)Waste Water Discharge and Management

- Abide by domestic and international environmental protection act and acquire water pollution prevention permit to routinely conduct waste waste inspection and declaration.
- Establish processing waste water recycling and waste waste equipment to improve processing waste waste recycling and reuse rate, thereby reducing the impact of waste water discharge on the environment.
- The discharged water will be treated and discharged to permitted farm irritation with routine analysis and inspection of the discharge data in conformance with the standards of disccharged water and Taiwan Joint Irrigation Association.
- Specialists will be assigned to operate and manage waste water recycling and treatment equipment, in addition to developing operational maintenance and repair process in order to maximize the benefits of prevention equipment.
- The inspection unit approved by the EPA shall conduct waste water and sludge inspection analysis semiannually. The inspeciton results from the past have all conformed to regulatory standards.
- Factory environmental protection personnel shall conduct site-audit for waste water treatment and out of factory waste water discharge daily. Conduct reflux treatment for abnormal water flow.
- Prepare annual budget for waste water prevention equiment maintenance and replacement to improve the treatment performance. The treatment time for 2014 dropped from 18 hours daily to 12~15 hours.





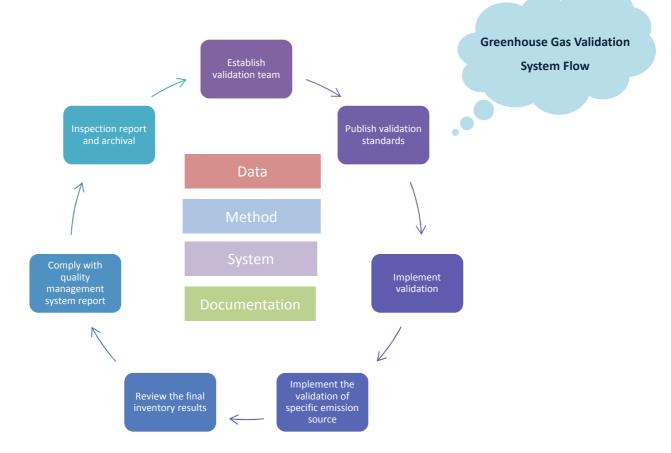




### 3. Greenhouse Gas Inventory

One of the most important environmental protection issues is the struggle against climate change and global warming for most enterprises today. KYEC has been building the greenhouse gas inventory system since 2006 to conduct annual inventory and energy-saving measures to achieve the objectives in greenhouse gas reduction.

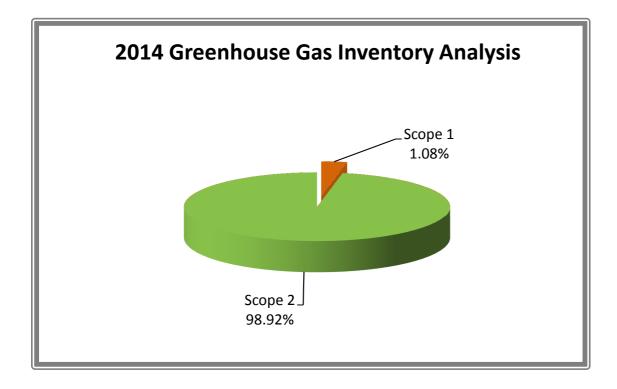
(1)To effectively manage the source of greenhouse gas emission and based on the suggestions from the ISO 14064 and GHG Protocol Initiative, the configuration of operational boundaries including the identification and operation related greenhouse gas emission will be classified by direct emission and indirect emission while the type and source of occurrence for greenhouse gas that could possibly occur in the operational range will be identified and undergo the certification of external testing institute (SGS).



(2) The 2014 inventory and calculation show that the greenhouse gas emission from Scope 1 is 6114.409 tons of CO2e, accounting for 3.11% with main source from R-134a coolant from the water cooling machine. The greenhouse gas emission in Scope 2 is 190711.791 tons of CO2e, accounting for 96.89% with main source from purchased power. In terms of ratio, the greenhouse gas emission of the company mainly comes from purchased power. The 2014 inventory results are shown below:

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Plant	Scope 1	Scope 2	Scope 3	Total
Hsinchu Headquarters	379.474	12659.544	0	13039.018
Chunan Plant	4603.732	164948.794	0	169552.526
Tungluo Plant	1131.203	13103.453	0	14234.656
Total Emission (Ton CO2e/year)	6114.409	190711.791	0	196826.2
Percentage (%)	3.11%	96.89%	0.00%	100.00%



 $\bigcirc$  Description:

Scope 1: Mainly consists of fixed resource emission, mobility resource emission and dissipation emission.

Scope 2: Indirect greenhouse gas emission mainly consisting of purchased power

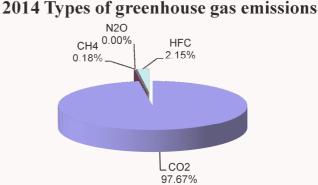
Scope 3: Employee commute, contractors, customer vehicle, and general waste treatment



Plant	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFC	PFCs	SF <sub>6</sub>	Total
Hsinchu Headquarters	12663.529	32.280	0.01	343.20	0	0	13039.019
<b>Chunan Plant</b>	165361.452	323.772	6.30	3861.00	0	0	169552.526
Tungluo Plant	13106.517	25.601	0.01	1102.53	0	0	14234.655
Total Emission (Ton CO2e/year)	191131.498	356.052	6.31	4204.20	0	0	195698.062
Percentage (%)	97.7%	0.2%	0.0%	2.1%	0.0%	0.0%	100.0%

(3)2014 Types of greenhouse gas emissions

(4) The list of greenhouse gas emission shows that the company use power as the main source of greenhouse gas emission and the company should work on energy and power saving as the most effective reduction. Hence the company adopts administrative measures to reduce the use of power and conducts energy-consumption evaluation on the overall power use equipment such as air-conditioning system by adopting power saving device to reduce the use of power and meet the objectives in greenhouse gas reduction.

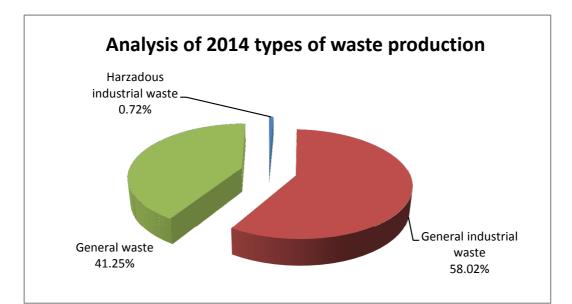


### 4. Waste Management and Recycling

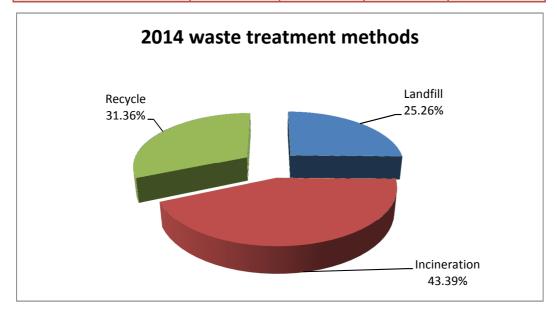
- (1) KYEC specializes in semiconductor testing processing without the use of toxic substance and therefore does not have air pollution issues in testing process but only the issues with waste water treatment and wastes. Wastes are outsourced to qualified supplier for treatment without cross-border behavior.
  - Based on company environmental policy, KYEC establishes different objectives in waste reduction and energy saving each year.
  - Routinely inspect and trace the review on factory waste reduction and energy saving.
  - Establish cleaning treatment supplier audit system to routinely execute tracing and auditing without warning in addition to assuring the legitimacy of the treatment operations of outsourced cleaning.
  - The contractors must complete 2-hour environmental safety and education training before accessing the factory for operations in order to strengthen the environmental work management capacity of personnel during site operations.
  - The 2014 total waste production is shown below:

Types of Wastes	Hazardous Industrial Wastes	General Industrial wastes	General wastes	Total
Production Amount	13.36	1,070.37	761.05	1,844.77
(Tons/year)				





Treatment	Landfill	Incineration	Recycle	Total	
Amount of Treatment	465.01	800 39	578.473	1,844.77	
(tons/year)	465.91	800.39	578.475	1,044.77	



(2)2014 waste reduction and recycling effectiveness:

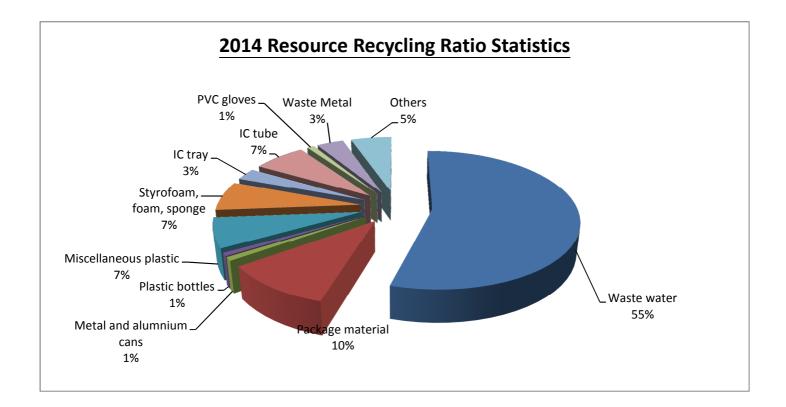
• The 2014 total sludge is 465.91 tons, which is treated by landfill. After July 2013, the sludge treatment factories have been suspended due to environmental issues, resulting in the difficulty of treating the industrial sludge. In 2014, KYEC assigned qualified supplier for sludge treatment with landfill. In 2015, KYEC will continue to search for qualified recycling supplier in order to meet the objectives in waste resource recycling.

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Environmental Management

• The 2014 waste recycling and reuse amount is 578.473 tons, accounting for 31.36% of total waste. The amount and specific approach for waste resource reuse are described below:

	Unit: Tons												
Plant	Waste paper	Packag e materia 1	Metal and alumni cans	Plastic bottles	Miscell aneous plastic	Styrofoam, foam, sponge	IC tray	IC tube	PVC gloves	Waste metal	Others	Total	Monitor, Server (PC)
Hsinchu Headqua rters	6.194	0.083	0.098	0.128	0.255	1.2	0.551	0	0.268	0.777	0.16	9.714	9
Chunan Plant	285.55	58.659	4.62	4.043	38.444	36	14.759	38.638	4.599	18.909	29.839	534.06	242
Tungluo Plant	14.837	0.624	0.16	0.149	0.177	1.2	0.094	0	0.242	0.02	0	17.503	0
	306.581	59.366	4.878	4.32	38.876	38.4	15.404	38.638	5.109	19.706	29.999	561.277	251



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Туре	Solution	Specific Approach	Performance (Ton/Year)
Hazardous Wastes	Defect (IC, Wafer)	Handed to recycling supplier for crashing and extraction of expensive metals	13.3556
General Industrial Wastes	Wooden Pallet	<ol> <li>Recycled on site for repeated use</li> <li>Damaged units will be recycled and crushed into wood chips for use as fuel additives</li> </ol>	12.8
	Empty Chemical Barrel	Recycling supplier will clean and reuse.	3.84
	Waste paper package	made into materials for use as recycle paper	306.581
	Waste metal	Recycled, dismantled, classified and reproduced into metal material.	19.706
	Waste metal and Aluminum can	Recycled to use as supporting materials for metal and aluminum products	4.878
	Waste plastic bottle	Given to plastic factory for material remaking	4.32
	PS Wrapping tape .PP Conveyor belt .PE Plastic wrap	Given to plastic factory for material remaking	59.366
	PVC Gloves	Given to plastic factory for material remaking	5.109
	Foaming package	Waste Styrofoam, foam, spongeetc. Recycled for packing, furniture and shoe filling.	38.4
	IC tray	<ol> <li>Site staff classifies, recycles and reuses.</li> <li>Damaged pieces will be recycled and made into material</li> </ol>	15.404
	IC tube	<ol> <li>Storage staff classifies, recycles and reuses</li> <li>Damaged pieces will be recycled and made into material</li> </ol>	38.638
	Other items for recycling (batter, glass, waste aluminum)	1. Classify, recycle and reuse.	29.999
	Other waste plastic	<ol> <li>Storage staff classifies, recycles and reuses</li> <li>Damaged pieces will be recycled and made into material</li> </ol>	38.876
	Waste Information product	Recycled, dismantled, classified and reproduced into supporting material	251 pieces recycled/year





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# 5. Compliance with Environmental Protection Act.

There was no violation of environmental protection act in 2014.

# 6. Overall Environmental Total Expenses

Category	Expenses (NTD)
Operational Costs	NTD\$14,992,603
Managerial Costs	NTD\$10,283,128
Environmental Protection and Equipment Contamination Prevention	NTD\$1,691,044
Social Activity Costs	NTD\$0
Loss and Remedial Costs	NTD\$0
Environmental Protection R&D Costs	NTD\$0
Total Costs	NTD\$26,966,775

### 7. Environmental Education

The promotion of environmental protection is the responsibility of everyone. To enhance employee awareness to environmental protection, KYEC offers e-newsletters, environmental safety and health corridor, educational training, and collaborates with employee welfare committee and relevant community institutions to jointly design the environmental education activities and to fulfill corporate responsibilities



Forms	Content
Environmental Protection and	* Establish internal information network for environmental safety and health.
Education Propaganda	* New employees taking 3 hours of environmental safety and health educational training
	* Contractor implemented with 2 hours of environmental safety and education training before entering the site
	* Cooperating with factory space for designing the environmental safety and health promotion corridor.
	* Environmental safety and health e-newsletter issued every month
	* Cooperating with E-school knowledge platform to incorporate environmental protection teaching materials into reading.
	* Using computer switch-on screen to advocate for environmental protection concept.
Promotion and Implementation of	* Employee café cancelling disposable utensils.
Environmental Protection Concept	* Café and convenience stores offering self-provided container with discount.
	* The factory is posted with small slogan for energy saving and waste reduction to remind employees of cleaning the environment at all.
	st Set up paper recycling box to promote dual-side printing and reduce paper use.
Integration and Participation of Community and Government Agency	* Cooperating with township office to carry out road-cleaning adoption and maintaining harmony with neighbors.
Activities	



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Environmental Safety and Hygiene Promotion Hallway

Environmental Protection and Energy Saving Promotional Slogan

# **Occupational Safety and Hygiene**

KYEC appeals in substantial safety management to trace and inspect operational safety through change management and risk assessment and identification. The continuous strengthening of safety awareness is achieved through education training and propaganda promotion, followed by site audit and execution of autonomous management, building a work environment of safety, hygiene and comfort.

#### 1. Safety and Hygiene Policy and Organizational Operations

- Develop comprehensive safety health policy. The General Manager shall announce to execute with all employees and supervisor. The policy shall expound KYEC's principle on implementing occupational safety and health to improve life as well as commitment to the overall safety and health objectives and improvement on safety and health performance.
- Develop "System and organizational management procedure" by specifying the function of each layer in terms of safety and healthy, establishing labor safety committee and safety health promotion organization to call for quarterly meeting and to review safety and health issues, implementing entry-level communication mechanism.
- The labor safety and health committee is established to call for quarterly meeting in review on safety and health related matters. The Committee members include President, Labor Safety and Health personnel and medical personnel, departmental supervisors, and technicians related to safety and health. Currently the committee consists of 67 people and 31 labor representative account, accounting for one third of the company. The occupational safety and hygiene committee consist of the following number of people in 2014:

Plant	No. of Committee members	Labor representative	Total No. of people
Hsinchu Headquarters	8	4	12
Zhonghua plant	20	23	43
Tungluo Factory	8	4	12
Total	36	31	67

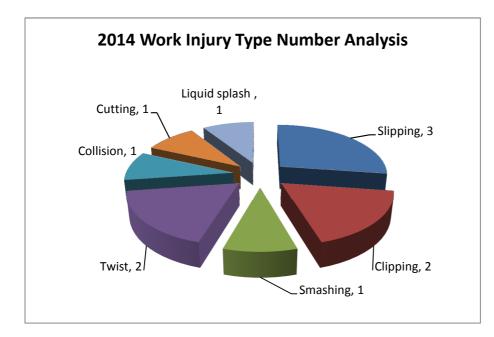
### 2. Occupational Disaster Statistics and Analysis

(1)There are 11 cases of injuries on duty in 2014 with a total number of loss days as 168 days, disability injury frequency is1.23 and serious disability injury rate is 18.79.

Plant	No. of cases	Days of loss	Total labor hours	Disability injury	Serious Disability
			experienced	frequency (FR)	Injury (SR)
Hsinchu Headquarters	1	44	573,368	1.74	76.74
Zhonghua Plant	10	124	7,722,968	1.29	16.06
Tungluo Plant	0	0	645,336	0.00	0.00
Total	11	168	8,941,672	1.23	18.79

\*Disability Injury Frequency (FR)= No. of Disability Injury / Total labor hours \*1,000,000 Serious Disability Injury (SR)= Total days of work lost / total labor hours \*1,000,000 (2) The 2014 types of work injuries in slipping and clipping account for the most number with death, full disability injury, and other serious labor safety incidents.

Types of injury	Slipping	Clipping	Jamming	Twisting	Collision	Cutting	Liquid splash	Total
No. of cases	3	2	1	2	1	1	1	11



- (3) The factory launches "Zero Disaster Cumulative Work Hours Reward Activity" to calculate departments without injury each month, followed by announcement and award presentation
- (4) Occupational disaster prevention and improvement measures:
  - Work injury prevention and improvement measures
    - The labor safety and environmental protection division prepares occupational disaster case training material to be included in the production and equipment personnel compulsory courses.
    - Personnel encountering work injury due to violation of rules and shall be included as reference for distribution of performance bonus.
    - Request production and equipment to include "occupational disaster case training materials" into compulsory courses.
    - For divisions with higher occurrence of injuries during duty, promote through division supervisor meeting to increase department supervisor's safety awareness for personnel.
    - Request division responsible for injury at duty to conduct root-cause analysis in addition to proposing improvement measures. The improvement report shall be placed in monthly e-newsletter and environmental safety and health promotion hallway.
    - The company implements disaster statistics and compare with past data in addition to proposing strategies that will reduce the ration for types with higher ratio.

- Traffic Accident Prevention and Improvement Measures:
  - Employees will be trained for accident prone locations with propaganda and reminder through starting screen and new employee training.
  - In view of the 32 traffic accidents taken place in 2014 consisted of employees riding scooters, KYEC held a quarterly safe scooter riding class in 2014 to remind the employees of the concept in correct scooter riding.
  - > Traffic safety slogans are posted on scooter parking lot to strengthen employees' concept in traffic safe driving.
  - > Employees will be notified of any repair projects on the surrounding roads via e-mail.





<section-header>

**Turning on computer** 

二、直接原因:BIB碰觸腳趾

#### 三、間接原因:

不安全行為:人員未使用適當間距的BIB台車放置BIB,而造成上下 板間距太小,抽取時易碰觸拉扯。(台車有不同間距型式)

四、基本原因:教育訓練不足

# 五、災害防止對策:

- 1.進行人員案例宣導。 2.使用台車放置BIB時,須選擇適當的BIB台車,上下板需保持適當
- 的間距。(已於現場勘查後口頭告知事業處) 3.因為此案例除關係人員安全外,也影響BIB品質,此案例將同步給
- 其他事業處知悉預防。

**Poster on Business-Related Injury Case** 

# 3. Develop Safety and Hygiene Code and Management Procedures

KYEC formulate contractor construction control, dangerous and hazardous article control, as well as other safety and hygiene management procedure as reference for operation and activities, which not only reduces the occurrence of occupational disasters but minimize the damage and impact of property, personnel and environment.

WHY emplo	<ul> <li>Assure the accomplishment of environmental safety and health policy for employees, customers, government, and group to understand the elements constituting the corporate environmental safety and health system.</li> </ul>					
WHO WHAT WHEN	<ul> <li>✓ Unfold environmental safety and health policy and target.</li> <li>✓ Execute the procedure documents needed for environmental safety and health system to generate effectiveness in Procedures</li> </ul>					
WHERE	<ul> <li>environmental safety and health.</li> <li>✓ Provide operation reference for system implementer.</li> <li>✓ Including technical standards, measurement standards, and operation guideetc.</li> </ul>	Operation Guide				
EVIDENCE	<ul> <li>✓ Regard the result of safety and health system execution as basis for continual improvement</li> </ul>	Tables and Forms				

Safety and Hygiene Document Management Framework

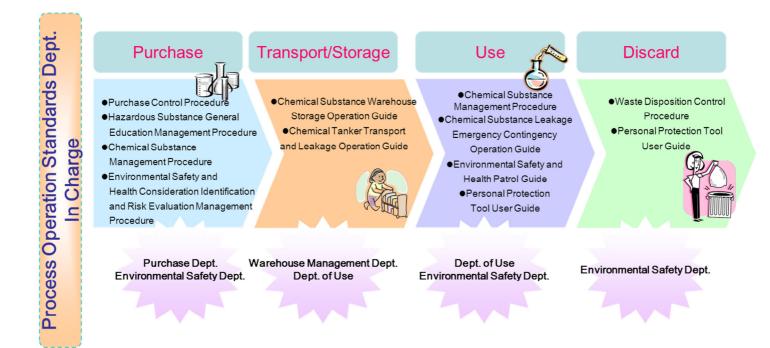


# 4. Chemical Substance Safety and Hygiene Management

KYEC complies with the framework and provisions of Occupational Safety and Hygiene Management System for the management of in-factory chemical substance control. The specific approaches include:

- Develop chemical substance management operation procedures, chemical substance warehouse management procedure, chemical tank loading and unloading procedure, and specify the purchase, storage, use, and labeling requirement of chemicals.
- Only a small amount of chemical substances in the production line while each floor shall be established with chemical anti-explosive cabin for collective management. Place the SDS, Substance Database (SDS) in areas visible. a special personnel will routinely upgrade in order to maintain the correcting of data.
- Establish a chemical substance warehouse with leakage processing vehicle, anti-spill pallet, and firefighting equipment that will reduce risks of personnel acquiring the materials.
- Establish "Chemical database" for upload to company website so the colleagues could check it ay anytime.
- All divisions shall develop a list of hazardous substance in order to upgrade quarterly.
- Chemical storage area must set up emergency contingency devices according to the requirement. The chemical storage area of waste water plant shall be installed with anti-spill and emergency rinsing equipment for leakage rescue.
- Each year KYEC holds the "Hazard General Knowledge Education Training" to offer routine training for user and strengthen cognition capacity to prevent accident.

# Dangerous and Hazardous Substance Control Procedure



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SDS	Chemical Substance Da	tabase	- 19.50	
Index	Chemical/Article Name	Label Content	Hazard Classification	Dept. of Use /Storage
KYEC-01	<u>sodium hypochlorite</u> <u>(NaOCI)</u>		Acute toxic substance category 3 (inhaling), metallic corrosion substance category 1, corrosion/skin irritating substance category 1, severe damage/eye irritating substance category 1, water environment hazardous substance (acute toxicity)	Factory Affairs and Environmental Safety Office
KYEC-02	<u>Hydrochloric acid</u>		Metallic corrosion substance category 1, corrosion/skin irritation category 1, severe damage/eye irritation category 1, environmentally hazardous substance	Factory Affairs and Environmental Safety Office
KYEC-03	<u>sulphuric acid</u>		Metallic corrosion substance category 1, corrosion/skin irritation category 1, severe damage/eye irritation category 1, environmentally hazardous substance	Factory Affairs and Environmental Safety Office
KYEC-04	Sodium hydroxide (liquid)		Metallic corrosion substance category 1, corrosion/skin irritation category 1, severe damage/eye irritation category 1, environmentally hazardous substance	Factory Affairs and Environmental Safety Office
KYEC-05	amhydrous ferric chloride		Corrosion/skin irritation category 1A	Factory Affairs and Environmental Safety Office
KYEC-06	high-molecular coagulant(+)	Ítt.	Not classified as dagerous or hazardous substance	Factory Affairs and Environmental Safety Office (Cancelled for use)
KYEC-07	<u>high-molecular</u> <u>coagulant(-)</u>	掘	Not classified as dangerous or hazardous substance	Factory Affairs and Environmental Safety Office



<u>Chemical Substance</u> <u>Query Database</u>

Chemical Spill Drills

### 5. Safety and Hygiene Risk Assessment and Change Management

Routinely conduct hazard identification and risk assessment for the different operations of company organization. Establish the "Risk management list" from the results of hazard identification and risk assessment, in addition to improving the different objectives according to the risk level.

- KYEC shall conduct risk assessment control over the operation, technology, engineering, design and environment upon introducing changes in processing, raw materials, machine equipment, plant, and fire equipment in order to discover the potential risks.
- The division of change must carry out hazard identification and risk assessment. In case of high risk items, the department shall propose hazard control measures and improvement plans to assure the possibly significant risks derived from before, during and after the changes can be well controlled. Additionally, the consulting opinions of person involved should be taken into consideration while conducting training on the operators. Continue to monitor if the risk is under control after change

### 6. Emergency Contingency and Disaster Rescue

All plants shall establish the Emergency Contingency Processing Center, where personnel on duty and can immediately report and broadcast in the event of receiving anomaly report.

- Strengthen personnel contingency capacity for emergency situations by clarifying correct processing procedures. Meanwhile familiarize with the application for using the safety protection equipment to assure personnel safety and normal factory operation by developing the various emergency contingency procedures.
- All units shall establish emergency contingency team by routinely update and train.
- Design the drill theme by arranging the emergency contingency play for each unit. Each session will follow the plan for drill.
- Discuss emergency contingency appropriateness prior to rehearsal. Implement the audit and evaluation during rehearsal, followed by review and improve matters as well as proposing relevant suggestions.
- Strengthen emergency contingency equipment and support disaster treatment for emergency accidents
- Participate in "Toufen Zhunan Industrial Park Regional Alliance Organization" to exchange experience in environmental safety and hygiene management in addition to supporting each other.
- A total of 32 emergency contingency drills were held in 2014. The session for drill type is calculated below:

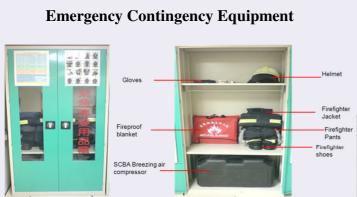
Plant	Fire Rescue	Seismic	Chemical	Emergency	Total
		Disaster	Leakage	Escape	
Hsinchu Headquarters	1	1	1	1	4
Chunan Plant	4	5	1	11	21
Tungluo Factory	2	2	1	2	7
Total	7	8	3	14	32



**Personnel Evacuation Drills** 



Seismic Disaster Drills



**Emergency Contingency Equipment and Device** 



**Rescue Team Personnel SCBA Wear Training** 

# 7. Contractor Safety and Hygiene Management

The contractors play one important role in the operating nature of contractor during environmental safety and health management, which comes with considerable proportion and high risks. In case the operation not only causes personnel injury but also causes corporate operation interruption, the contractor will build complete contractor management system for construction management in order to reach "zero accident, zero injury" goal.

- Develop contractor management and purchase management guidelines, contractor evaluation system, and sign the "Contractor or Subcontractor Construction Safety and Hygiene Environmental Protection Statement" before contracting. Contractor shall comply with the different factory environmental safety and hygiene standards and various construction conducts during the construction period.
- Implement contractor pre-educational training in advance and enter for construction after passing the test.
- Build e-construction applications system and contractor card-punch system. Implement factory access with card requirement to effectively control the number of workers entering the factory and the operating nature.
- For permission system over operation with high risks, the applying department will dispatch and implement construction patrol and auditing, routinely call for contractor negotiation meeting, and review and promote safety and hygiene management guidelines.
- Promote safety and hygiene family to utilize the care system of business entities for downstream contractor.
- Safety and hygiene family will be called through routine meeting to allow more interaction between contractors.



Contractors must pass the power leakage test and acquire qualification upon accessing the site.



Accessing to the site requires compliance with operational standards for safety protection and control.

Calling for monthly contractor negotiation meeting.

# 8. Firefighting Safety Equipment and Marking

Firefighting equipment will undergo inspection and test run by the factory staff quarterly and inspected by qualified firefighting equipment specialists (experts) in every half year. Each year the inspection and repairs will be reported.

- Implement operation control for operation mistakenly triggering fire facility action.
- Establish carbon dioxide releasing system, central monitoring system for fire alarm to prevent fire alarm incidents.
- The entire area is installed with various fire detector, fire division, fire alarm automatic report equipment, 100 pounds of fire equipment, and fireproof filling on the tunnels passing through the walls, in order to lower damage rate to personnel and property brought by fire.
- Fire equipment (box) is not only marked accordingly but also added with 3D sign to expand the visual angle and enhance fire equipment and fire box identification.
- Each year the power equipment undergoes infrared thermal scanning to discover anomaly equipment early and to avoid fire with electronic appliance.
- Each escape floor gate is installed with smoke escape bag and evacuation guide equipment for emergency use.
- To help personnel familiarize with the emergency contingency equipment and fire equipment use, in addition to strengthening personnel emergency rescue capacity. The factory staff can complete fire equipment practice training 100%.



Fire Hydrant and Box added with 3D marking

Established the Monitoring Center



### 9. Mechanical equipment Safety Management

- Machinery equipment must undergo hazard identification and risk level assessment before introduction to implement change management process and reduce disaster and incident occurrence.
- Machinery equipment safety device and hazard warning label standards must be included in procurement order and acceptance standards.
- Establish equipment relocation, installation, operation, maintenance and repair, as well as other safety operation process to reduce the occurrence of equipment hazards.
- Validate and include the safety protection functions into checkpoint items during the equipment daily maintenance or repair.



# **Employees' Rights**

KYEC Group upholds to "Appointment based on talents and acquisition of local materials" by providing a diversity of employment channels and emphasizing on local economic prosperity to create more employment opportunities for Hsinchu and Miaoli area on the concept of protection and feedback. KYEC Group selects local employees as the priority. Currently the company owns about 4,800 employees and 70% of them are from Hsinchu and Miaoli County. At the same time, we firmly believe that the outstanding employees are the key assets of KYEC Group and hence we are committed in providing recruitment process in compliance with regulatory standards. KYEC Group also emphasizes on the versatile educational training system, safe and humanistic workplace environment, and competitive salary welfare system and public promotion channels. The above complete "selection, incubation, appointment, and retention" related human resource management policies drive employees to bring their talents into full play and to cooperate with KYEC Group hand in hand and to create win-win situation in the future.



# 1. Recruitment and Appointment Standards

KYEC protects labor rights according to the Labor Standard Act and Act of Gender Equality in Employment and KYEC does not have preferential treatment on employees due to different races, social ranking, nationality, religion, disability, sexual orientation, union qualification, political parties, or age. Moreover, KYEC is committed and implements the Electronic Industry Code of Conduct (EICC) for the relevant labor policies in labor, health and safety, environmental protection, commercial ethics and codes, and management system elements, including:

- (1) Apart from the explicit declaration in personnel laws, child labor is prohibited and prevented in recruitment and appointment. Moreover, KYEC actively develops remedial measures for child labor to exclude misuse and assure subsequent matters.
- (2)Freedom in choice of employment. Employees are assured to work voluntarily without being employed with cohesive and compulsive conditions. Employees have the right to terminate the labor contract at any time as long as they comply with the period of resignation announcement in Labor Standard Act.

In case employees voluntarily resign during labor affair change or the company or factory are closed or transferred, suffering loss or facing business trimming, or the company suspending work for one month or more due to force majeure, change of business nature that lead to the need to reduce employees but without proper position for relocation, or employees incompetent for the work assigned, both parties shall abide by the principle below:

(1)Continuous working for more than 3 months but less than 1 year shall be pre-announced in 10 days in advance.

(2)Continuous working for more than 1 year but less than 3 years shall be pre-announced in 20 days in advance.

(3)Continuous working for more than 3 years shall be pre-announced in 30 days in advance.



		Male		Fema	ale
		No. of People	Ratio (%)	No. of People	Ratio (%)
Position	Supervisor	24	2.3%	4	0.4%
	Engineer	416	39.4%	131	12.4%
	Administrator	18	1.7%	30	2.8%
	Technician	248	23.5%	184	17.4%
Work	Chunan Plant	535	50.7%	259	24.5%
Location	Technology Headquarters	46	4.4%	17	1.6%
	Tungluo Factory	125	11.8%	73	6.9%
Age	30 years old and younger	461	43.7%	240	22.7%
	30 (inclusive) to 50 years old	244	23.1%	109	10.3%
	(inclusive) years old or older	1	0.1%	58	1.2%
	Gender Subtotal	706	66.9%	349	33.1%

Among the 1,055 new employees recruited in 2014, 28 of them were supervisors. New employees comprised of 706 male and 349 female, with details shown in the following table.



#### 2. Employee Distribution

The number of employees in all KYEC factories reached 4,888 people in 2014 (including foreign workers and dispatchers), where Taiwan nationality accounts for 82.7% and foreign nationality accounts for 17.3%. The number of supervisors account for 10.4%, engineers account for 37.5%, administrators account for 5.2%, and technicians account for 46.9%.

Labor intense is one of the characteristics of package and testing factories. Unlike other industries that are enthusiastic in having more foreign workers, KYEC upholds to "giving priority to Taiwan and homeland." Chairman C.K. Lee believes that the Taiwanese workers are more qualified with excellent identify. KYEC will naturally give priority to workers with Taiwan nationality. Hence the number of local KYEC employees account for 82.7% of total employees with less than 17.3% of foreign workers who will primarily work for night shift.

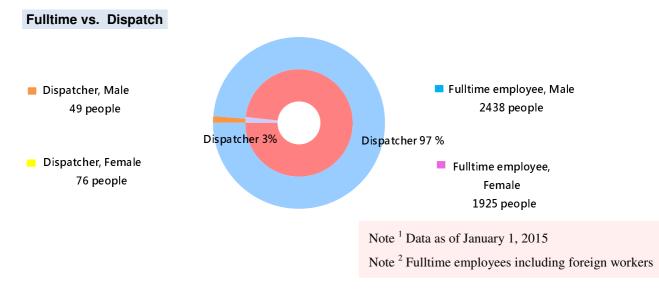


KYEC Employee Distribution			Male	F	Female	
		No. of Person	Ratio (%)	No. of Person	Ratio (%)	
Position	Supervisor	511	8.6%	89	1.8%	
	Engineer	1392	28.5%	440	9.0%	
	Administrator	77	1.6%	178	3.6%	
	Technician	809	16.6%	1481	30.3%	
Work Location	Chunan Plant	2196	44.9%	1801	36.5%	
	Technology Headquarters	206	4.2%	210	4.3%	
	Tungluo Factory	298	6.1%	177	3.6%	
Age	30 years old and younger	972	19.9%	646	13.2%	
	30 (inclusive) to 50 years old	1684	34.5%	1484	30.4%	
	50 (inclusive) years old or older	44	0.9%	58	1.2%	
Type of	Self	2666	54.5%	2149	44.0%	
Employment	Dispatch	34	0.7%	39	0.8%	
Nationality	Taiwan	2377	48.6%	1666	34.1%	
	Foreign	323	6.6%	522	10.7%	
Gende	r Subtotal	2700	55%	2188	45%	

Note<sup>1</sup>: Supervisor: Supervisors or higher. Administrators: human resource, general affairs, financial, purchase.

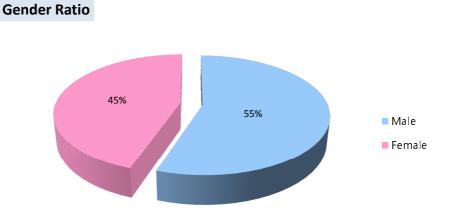
Technician: Production line technician (including foreign). Engineers: General engineers, RD and salespersons Note <sup>2</sup> Data as of January 1, 2015

(1)Ratio between fulltime and dispatched employee

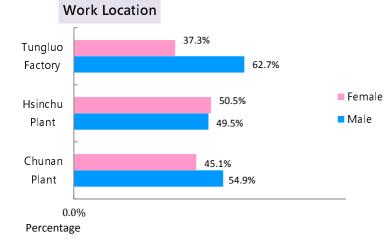




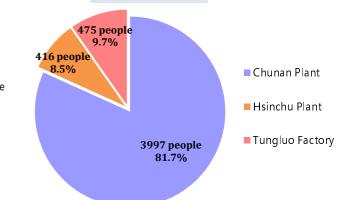
(2)Gender Distribution

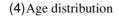


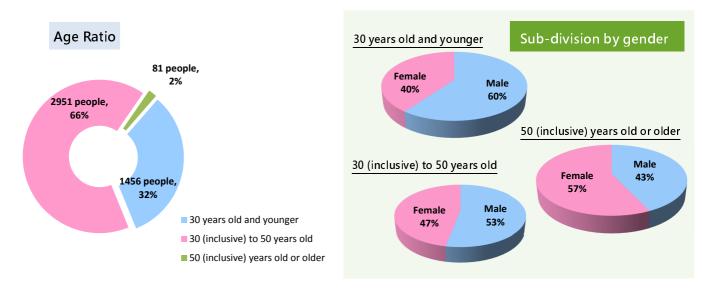
(3) Region Distribution



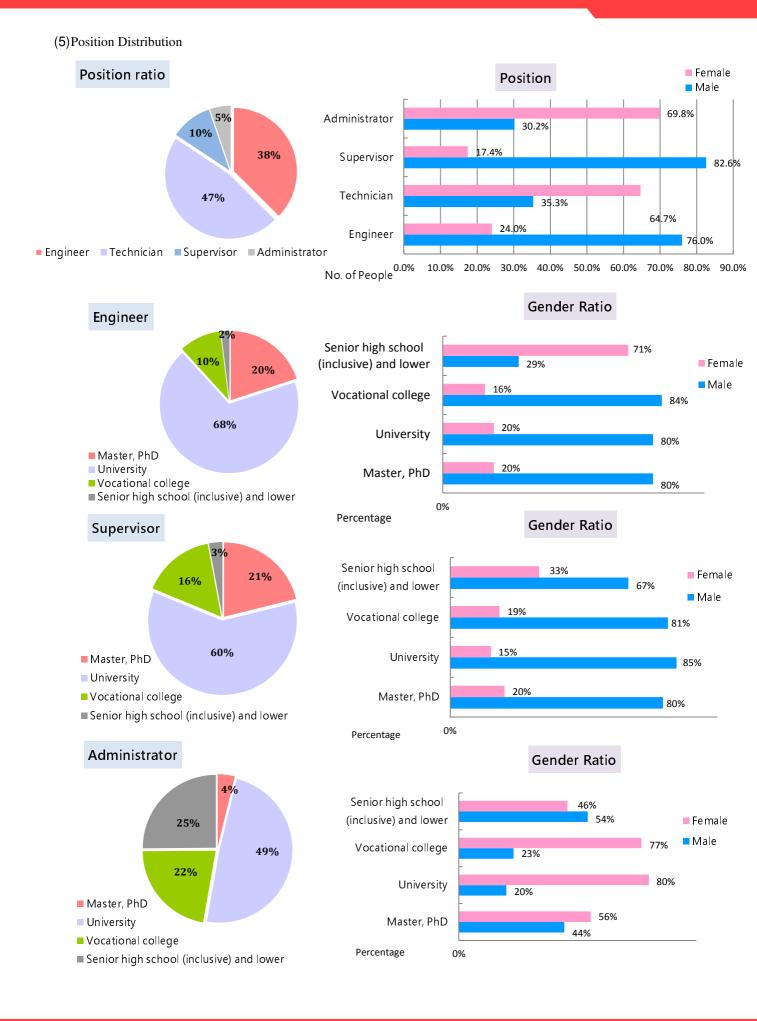
Work Place Ratio



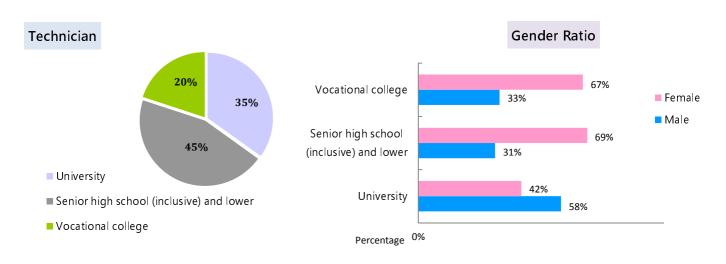




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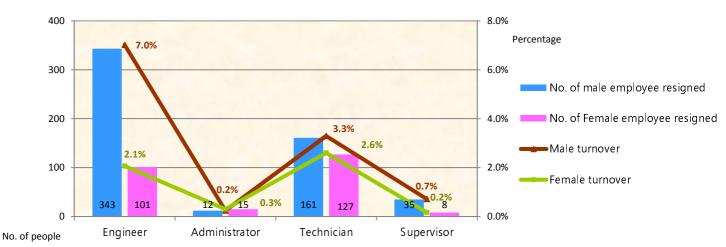




# **3.** Resignation Analysis

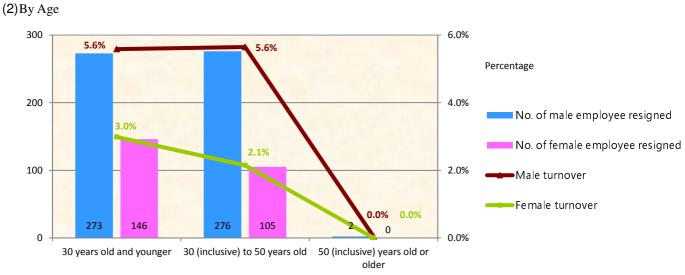
Resigned Employee Distribution		M	ale	Female	
		No. of People	Ratio (%)	No. of People	Ratio (%)
Position	Supervisor	35	4.4%	8	1.0%
	Engineer	343	42.8%	101	12.6%
	Administrator	12	1.5%	15	1.9%
	Technician	161	20.1%	127	15.8%
Work Location	Chunan Plant	408	50.9%	196	24.4%
	Technology Headquarters	72	9%	21	2.6%
	Tungluo Factorr	71	8.9%	34	4.2%
Age	30 years old and younger	273	34%	146	18.2%
	30 (inclusive) to 50 years old	276	34.4%	105	13.1%
50 (inclusive) years old or		2	0.2%	58	0%
older					
Ge	ender Subtotal	551	68.7%	251	31.3%

Note: Turnover rate excludes foreign, dispatched, short-term workers and employees leave without pay.



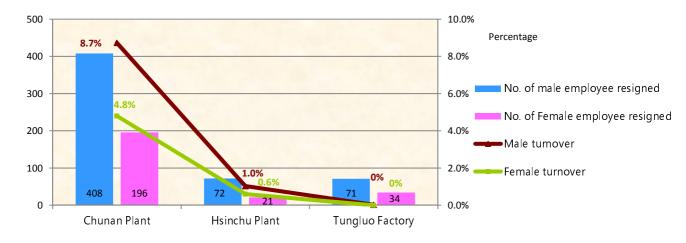
-66-

# (1)By Position



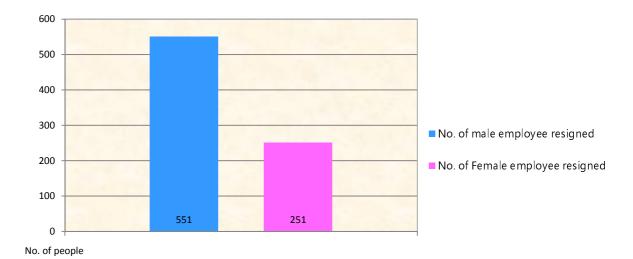
No. of people

(3)By Plant



No. of people

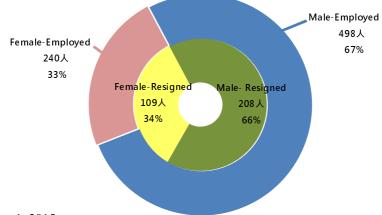






### (5) Employment and Resignation of New Employees

To cope with the expansion of productivity, KYEC launched a massive recruitment in 2014 to recruit 1,055 employees (exclusive foreign, dispatched, short-term employees). In particular, male accounts for 67% and female accounts for 33%. By the end of the year, 109 females have resigned and the turnover rate in new employees is 10.3% (Note) while 208 males resigned with a turnover rate of 19.7%.



Note<sup>1</sup>: Data as of January 1, 2015

Note<sup>2</sup>: New employee turnover rate 2014 resigned new employee /2014 total number of employees reported.

The salary standard of KYEC employees is determined by education and professional skills and experience, which will not differ due to gender, race, religion, political stance, marital status, unions and association difference. The standard starting salary all exceeds the minimum wage specified by Labor Standard Act. The overalls structure includes base salary, meals, allowance, bonus, and dividends. KYEC also routinely participates in and holds IC package and testing parties to understand the practical salary level of the industry through the interaction with peer industries, in addition to positively participating in salary related survey to assure the company offers overall salary that meet market standard. Moreover, the company offers salary raise and differentiated bonus/dividend system according to the corporate operation, personal performance and contribution of work function, in order to encourage the employee's diligence, efforts and even drive employees to pursue excellence. 2014 was a year of considerably outstanding performance for KYEC. Apart from offering the regular 3 festival bonuses, KYEC also released and shared profits with employees through partial bonus in Q3 an A4 with the increased ratio of annual dividend as gratitude for the efforts from the employee. In the future, KYEC is making the forecast with increasingly climbing subsequent operational performance.

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	Average Salary Ratio Female vs. Male					
Туре	Chunan Plant	8,				
Supervisor	1.04	1.03	Factory 1.02			
Engineer	1.02	1.31	1.06			
Administrator	1.02	1.14	1.15			
Technician	0.92	0.91	0.95			

### **Comparison of Average Salary**

1. Data as of 1/1/2015, fixed salary of full-time employees

- 2. Using female as comparison base
- 3. Source of data excludes foreign workers

#### 4. Complete Retirement Plan

According to "Labor Standard Act" and "Labor Pension Act," KYEC develops employee retirement guidelines to appropriate pension funds for each employee. The employee participation in retirement plan is 100%. Employees reporting to work before June 30, 2005 (inclusive) shall be entitled to the old system of pension fund seniority\*, and employees will be withheld of 2% of employee's total salary each month for submission to the Labor Pension Fund Financial Supervisory Committee. Such fund will be saved into the special account with Bank of Taiwan under the name of the Committee. Employees reporting to work after July 1st, 2005 (inclusive) shall be appropriated with 6% from the monthly salary into the individual pension fund account under Bureau of Labor Insurance. The company shall calculate pension reserves for employees meeting the prerequisites of retirement in order to confirm adequate amount for release and to protect the retirement rights of employees. The pension fund appropriated in 2014 reached NT\$151,479,753. \*Employees entitled to the old system of pension fund seniority shall only be entitled to the new system of pension fund seniority.

#### 5. Comprehensive Insurance System

The company insures employees with labor and health insurance on the day of reporting to work according to the law. The company also pays for the full premium for all employees with additional group insurance (including life insurance, injury insurance, medical insurance, accident insurance, cancer insurance, and occupational disaster insurance) in addition to offering free group insurance to spouses, thereby to expand the protection to all family members. Meanwhile, the company also offers travel insurance for traveling and business trips overseas by arranging weekly insurance company stationing in all factories to provide relevant consulting services to the employees.

#### 6. Complete Leave System and Welfare

The company prepare leave categories according to Labor Standard Act, Labor Leave Regulations and Act of Gender Equality in Employment, including marriage leave, funeral leave, menstruation leave, maternity leave, paternity leave, and annual leave according to the laws and regulations in addition to offering compensation leave for government regulated holiday with commemoration only without days off. Additionally, other than the statutory leave categories (including parental leave and military service leave), KYEC even offers leave for major family incidents and leave for pursing advanced studies to employees in order to retrain the work for excellent employees so they can work without concerns. Moreover, KYEC offers relevant welfare related to employee food, clothing, accommodation, and transportation, including the senior employee and example employee allowance, wedding/funeral/festival bonuses, travel subsidy, meal subsidy, routine health examination, dormitory, and different free activities. KYEC also encourages employees to participate in these activities to promote balance between work and life. WE also routinely examine the internal welfare to design proper welfare measures according to employee requirement (i.e. singing special contract with kindergarten nearby) so that spouses of employees will also enjoy convenience in life.

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#### 7. Parental Leave without Pay Measures

KYEC Group values employee concerns for daycare and breastfeeding by granting parental leave according to Labor Standard Act. As long as employees meet the condition of "having worked for one full year" and "having children under the age of 3," they can apply for parental leave without pay. To protect employee rights, KYEC offers services to apply for parental leave allowance from the Bureau of Labor Insurance in addition to paying for the labor and health insurance premium and retaining the position for the employee during the parental leave period. KYEC will only employ short-term worker as substitute agent of the employee's duties. The employees will be guaranteed to return to work after the parental leave without arbitrarily transferring or discharging the employees. Furthermore, KYEC offers advanced or deferred reinstatement solutions which not only offers guarantee for employees with need for parental leave but also opens door to employees who intend to return to the workplace early. Under such complete supporting measures, the total number of employees applying for parental leave in 2014 was 45 people and the average reinstatement rate was greater than 68%. Moreover, the number of employees retaining in KYEC for more than 1 year after reinstatement each reaches as high as 87%.

-	Male		Female			
Item	No. of People	Ratio	No. of People	Ratio	Subtotal	
2014 actual number of people applying for parental leave without pay	7	15.6%	38	84.4%	45	
2014 Expected number of people applying for reinstatement from parental leave without pay	6	15.8%	35	85.4%	41	
2014 actual application for reinstatement from parental leave without pay	3	10.7%	25	89.3%	28	
2013 Number of people on parental leave filing for reinstatement	8	26.7%	22	73.3%	30	
2013 Number of people on parental leave having reinstatement with 1 continuous year of working	7	26.9%	19	73.1%	26	
Reinstatement Rate	50.0%		71.4%		68.3%	
Retention Rate	87.5%		86.4%	86.7%		

1. Reinstatement calculation equation: Number of people filing for reinstatement in 2014 / Expected number of people reinstating in 2014\*100%

 Retention Rate calculation equation: Number of people on parental leave having for reinstatement with 1 continuous year of working in 2013 / Number of parental leave filing for reinstatement in 2013 \* 100%



<sup>3.</sup> Data as of 1/1/2015

#### 8. Human Right policy and training

KYEC highly values work health and safety, environmental protection, and employee compliance of moral conducts. The Human Resource Office will arrange training for all new employees, which content includes corporate culture and core value, personnel management rules, quality policy (including 6S), legal knowledge & intellectual right education, information safety and promotion, employee health education, and labor safety education. In 2014, KYEC has held 52 sessions of new employee training with a total of 1,775 people completed the training. Moreover, the new employees were arranged for EICC General Education with content covering labor, health and safety, environmental protection, moral conducts and management system, during the same year, with 4,957 people trained and 100% training completion rate. (1) The average training hours accepted by each employee each year calculated by employee category and gender

(statistics as of 2014/12/31, including the number of resigned personnel).

<b>Employee Category</b>	Direct Personnel		Indirect Personnel		Foreign Personnel			
Gender	М	F	М	F	М	F	Total	
Number of trainees (A)	2287	835	690	1072	343	599	5826	
Number of trainees per session (B)	31435	7968	6818	15818	3860	9192	75091	
Training hours(C)	99124.5	20072.8	15586.2	36528.5	16597.9	19473.3	207383.2	
Average training hours for employees D=C/A)	43.3	24.0	22.6	34.1	48.4	32.5	35.6	

(2)In the Corporate Manpower Resource Improvement Plan held by the Workforce development Agency of Ministry of Labor in 2014 executed 111classes with a total of 693 hours of class, a total of 1,491 participants in the training and excellent course execution, accounting for 19% of the 2014 approved budget.

#### 9. Employee Care

The management layer supports health promotion to advocate polity and formulation of promotion plan and solutions, where comprehensive safety and health policies will be formulated and announced by the General Manager after signing. It is clear that "Health Promotion" and "Employee Health Assurance" will be included in the following policy content:

- (1)Effective use of energy resource, promote waste reduction, classification, resource recycling and reuse.
- (2)Continuous improvement, promotion of environmental safety and health performance, and commitment to pollution and injury prevention that will conform to environmental protection and safety.
- (3)Environmental protection and safe health promotion is the responsibility of everyone. Continue to promote and education this concept.
- (4)Implement risk assessment and promote health to pursue "zero disaster" and "zero injury."
- (5)Establish "Green Supply Chain" Management system to assure work environment and employee health, as well as reduction of impact from product, process and related services on the environment.



1	folding Occupational Safety and Hygiene Committee Meeting quarterry to discuss hearth related its
Item	Agenda
1	Internal/external communication, participation and consulting
2	All division taking initiative to inspect and review the execution
3	Incident investigation, correction and hazard prevention review
4	Regulation conformance report and review
5	Operation environment testing, implementation and review
6	Contractor safety and hygiene management matters
7	Target and management solution execution
8	Internal audit result reporting
9	Environmental safety and hygiene execution performance report – occupational statistics
10	Emergency contingency plan and implementation
11	Health Management and Health Promotion (including health examination analysis)
12	Environmental safety and hygiene policy, organization, situations, and required resource review
13	Environment safety and hygiene education and training plan
14	Environmental safety and hygiene policy and management plan review
15	Environmental safety and hygiene management system review /other environmental safety and hygiene

Holding "Occupational Safety and Hygiene Committee Meeting" quarterly to discuss health related issues.

Each year the health management promotion plan is developed for the management to sign for approval and implementation. The 2014 execution is shown below:

Activity name	Blood Donation Activity (March)	Health Examination (March-April)	Quit Smoking (April - June)
Activity outcome	<ol> <li>Held on 3/6(Thu)</li> <li>A total of 95 people participated</li> <li>A total of 190 bags of blood donated</li> </ol>	<ol> <li>Held between 3/24-4/1</li> <li>A total of 1,839 people participated</li> </ol>	<ol> <li>Held between May and July</li> <li>5 people participated, approach:</li> <li>* 74 care propagandas online</li> <li>* Questionnaire, medical seeking and transfer</li> <li>* Turn-on shot</li> <li>* Drawing activity</li> </ol>
Activity posters	● 在見子紀2月25日 傳愛有京元 捐	103年度員工健康檢查須知         ★查瑪加         ★查瑪加         ★查班加         ★ 查班加         ★ 查班加         ◆ 法考验表面        ◆ 法考虑和       ◆ 法考虑和         ◆ 法考虑和       ◆ 法書加       ◆ 法書加         ◆ 法考虑和       ◆ 美麗和       ◆ 美麗和       ◆ 美麗和         ◆ 法考虑和       ◆ 美麗和       ◆	Medical seeking + digital course           Половина
	<ul> <li>注前導致</li> <li>主前導致: 人内婆藻瓜/氨工酰係課 品謝單位: 私方婆藻瓜/氨工酰係課 品謝單位: 新竹積面中心</li> <li>法為非理點/碼論:</li> <li>一座區 (小園) (中面) (中面)</li> <li>(中爾底) 3/12(四) (91:00-16:00) (木圖94 6式完堂地成)</li> <li>第二個人類 (法公員二組修課) 測證版 (法公員二組修課) 現受(分視138119)/品瓜(分視128119) (加謝)</li> </ul>	<ul> <li>シービルネル板(水水)ホンボット、海水(水水)・(水水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水水)・(×水)・(×</li></ul>	<ul> <li>● 政策方式, E-maintage - 建物铁金属mainty</li> <li>● 洋動内容、Warden Conflict 工業体系</li> <li>● 洋動内容、Hatter Conflict 工業体系</li> <li>● 洋動内容、Hatter Conflict The Conf</li></ul>

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#### 10. Promote Health Management and Plant

KYEC complies with Labor Health Protection Act to assign qualified medical staff and on-site physician in the factor, facilitating the promotion of health promotion operations and providing chronic disease prevention and medical health insurance transfer services. Each year KYEC holds annul health examination and develops the health promotion plant for that year according to the post-examination analysis results, and thereby practically execute health promotion activities. The on-site physicians will provide professional health education and consultation for all persons with anomaly results in physical examination and health examination. Meanwhile the factory nurses will provide the care for different injuries and diseases as well as the records of injury and disease category.

- (1)Employee Health Management Process: Employees aged 45 years or older shall participate in health check every year. Employees aged below 45 years old shall participate in health check in every 2 years. The general items examination surpassed the statutory items, including special check items (noise operation: one test of operating environment in every half year, using employees working in area with 85 decibels), cancer screening items (scheduled for oral cancer, colorectal cancer, breast cancer, cervix cancer).
- (2)New Employee Health Management Process: In the event of anomaly case, the nurse would prepare anomaly health education consulting/secondary check notice to make appointment with employees for health education. In case the check outcome is severe, the employees will need to pay attention to their work patterns while closely following up the secondary check outcome from the anomaly items. The employees will be listed as special injury/disease cases and shall be followed by and cared for health by stationed physician and the company.
- (3)Foreign Employee Health Management Process: After arriving to Taiwan and having reported to work by the 6<sup>th</sup> month, 18<sup>th</sup> month and 30<sup>th</sup> month, employees will conduct health check and in case of any anomaly, the employees will undergo a two-week health autonomous management (self-measurement of heat beat and blood pressure). Employees will need to make appointment for health education. Additionally, their work patterns will be monitored and the employees will be listed under special injury/disease cases and shall be followed by and cared for health by stationed physician and the company.

The factory nurses will organizes secondary check notice and secondary outcome follow-up for physical and health check anomaly according to employee requirement and annual health promotion plan. On-site physician health education offers health management divided into severe, medium and minor degree according to the data standards and abnormal data for the examination items. The on-site physicians will also offer consulting and transfer services, chronic disease prevention seminar and high risk group health management, fitness test, anti-smoking prevention and classes opened for quitting smoking, acquaintance to infant and toddler infectious disease, nutrition seminar, four cancer screening, epidemic and infectious disease prevention as well as other related workplace health promotion activities.

Content of Health Management t	Current Approach	New Practice
Individual health education from physicians Reminder for severe anomaly	During the stationing hours of the physician, employees will be arranged for visits to the Medical Room, where the physician will provide health education and suggests (targeted at completing physician health education rate). After the new employees take physical check and current employees take health examination, the factory nurses shall receive the paper report and issue the notice of secondary examination for anomaly to employees according to the standards of severe, medium and minor degree. The secondary examination notice is issued once only.	<ul> <li>Factory nurses shall follow up the secondary examination results for cases recommended by the physicians for secondary examination and routine follow-up:</li> <li>1. Normal – Case closed.</li> <li>2. The factory nurses shall make appointment with the cases with severe anomaly to remind them of outpatient visit and follow-up of medical treatment.</li> </ul>
Employee care network Care and management for cases with severe anomaly from the salary and attendance division caring for working hours and employee relation as well as the personnel division	After the new employees take physical check and current employees take health examination, factory nurses shall initiate and routinely provide cases of severe anomaly and issue warning for cases with health hazardous warning factors to the attendance division.	Factory nurses maintain current approach for cases with severe anomaly and need care for working hours.
Health promotion activation combination	Develop health promotion plan according to employees' needs	The analysis results of 2014 health examination shows that cholesterol, triglyceride, blood sugar, and live index account for majority of employees and consists mainly of people aged between 30~34 years old. These figures will be included in the annual health promotion activity plan.
Health information promotion	<ol> <li>Factory system announcement at the beginning of each month and in mid-month.</li> <li>KYEC living care network promotional information</li> <li>Chronic Disease Prevention Seminar</li> </ol>	The factory nurses recorded chronic disease prevention promotional digital courses in December, 2014.

The medical team is responsible for the health management execution and health promotion plan for all employees. Each year the team undergoes auditing by SGS, TOSHMS and other external auditors to rigorously audit the execution of "Health Management Plant" and "Health Promotion Plan."

Theme	Execution	January	February	March	April	May	June	July	August	September	October	November	December
Health Management	Forecast	Same app April to E	roaches as December	Organizi ng Annual Health Examin ation	<ol> <li>Targets of Health Management:         <ol> <li>Physical examination / health examination cases with severe anomaly.</li> <li>Foreign workers with severe anomaly.</li> <li>Special injury / disease (physical/ psychological/ work-related injury) case care</li> <li>Women in maternity, breastfeeding, and parental leave without pay case care.</li> <li>Care for case with long working hours</li> <li>Contractor's health management</li> <li>Health management for employees aged 45 years or older</li> <li>Special noise control (Level 2/Level 3 /Level 4)</li> <li>Ergonomics Management (muscle soreness)</li> <li>Individual health education from stationed physician.</li> </ol> </li> </ol>								
Weight Loss	Forecast			Aerobic Ex	c Exercise				Loss Activity Combined with Aerobic Exercise				
Psychological Health	Forecast		er case to consu nowledge and p		iltants or "KYEC Li	ving Care"							
Tobacco Hazard Prevention	Forecast				Smoke Quitting Activity								
Seminar	Forecast			Blood Donation Activity	Women's Cancer Prevention Seminar	Classro om for Mothers	Nutrition Seminar	Classroo m for Mothers	Psychology Seminar Fitness Test	Influenza Vaccination	-	Stair Climbing Exercise	Blood Donation Activity

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Health Examination



Award Presentation for Weight Loss



Nutrition Seminar



Fitness Activity



Aerobic Exercises



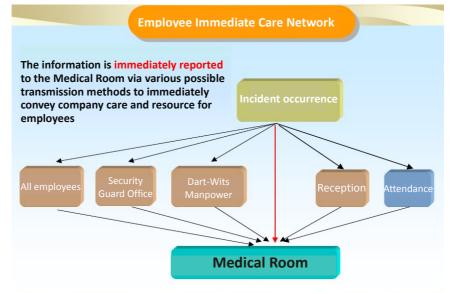
#### 11. Physical and Mental Health of Employees

The physical and mental health of employees is the key factors that drive corporate operation to progress. In addition to establishing cooperative factory clinical service with physicians and the department of psychiatry of large hospitals, KYEC takes initiative in establishing "Employee Care Network" to care for the health of employees attending day, night and holiday shifts. The company intends to inform the goodwill from the company to the employee by promoting employees to seek help during emergency situations. KYEC thus establishes the 24-Hour employee emergency rescue hotline (KYEC 119) where specialists will handle the calls, providing information and resource for assistance.

24/j\	持員工緊急病	牧助專線	京元119
廠別	駐廠醫師	臨廠諸商師	江秀媛: 128119(CH)
	星期一 13:30-14:00	R to - 45-00 47-00	
СН	星期三 13:10-13:30	星期五 15:30-17:30	方雅怡: 28119 (HQ)
HQ	星期五 13:30-14:00		陳姿吟: 28196 (CH)
π	星期三 11:00-14:00		黄珮雯:138119 (TL)
_	備註:1.醫師及諸商師皆 2.諸商師常有人扮		1-
		20	

To lower the health danger of operational staff with high risks for special injury and disease, the medical team shall care for body, psychology and work related injuries with the relevant approaches below:

- (1)Upon receipt of case report, the factory nurse shall contact and record for reporting to jointly care for the case requirement and provide care with the division supervisor.
- (2) The medical team will conduct reinstatement evaluation for injured cases inside or out of the factory, depending on the recovery of the body, to properly arrange work with competence.
- (3)In case the attendance division discovers the health status of the case that needs care, i.e.: taking sick leave for 3 days, taking maternal leave, taking treatment leave, consecutive leave for 60H, the medical team shall take initiative to contact and care with assistance to the employee.
- (4) KYEC cooperates with the physical and mental department of peripheral hospitals and institutions, where professional consultants offer psychological consultation services and may transfer the case for medication and hospitalization.





#### 12. Valuation on Female Employees

KYEC offers complete support and care for pregnant female employees. The factories do not employ any child labor in any operation. KYEC develops certain operation protection regulations for female employees:

(1)Developing heavy objects moving standards

(2) Pregnant female employees are prohibited from processing harmful, explosive and fire inductive substance work.

(3)Pregnant female employees are prohibited from engaging in nighttime operation.

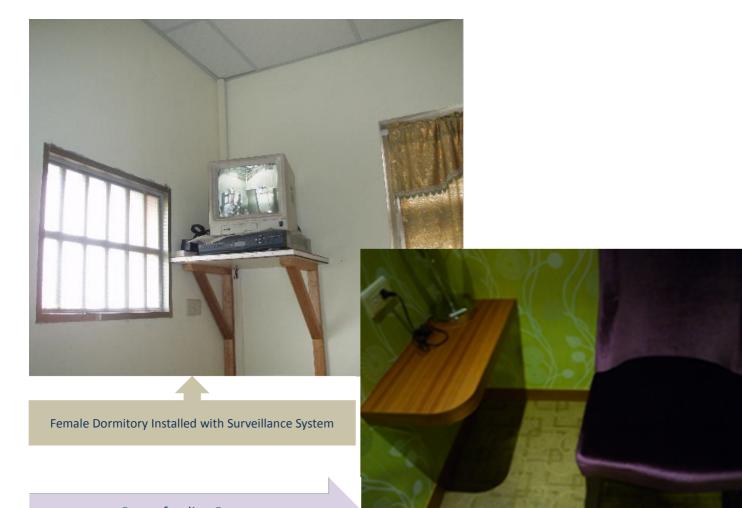
(4)Female employs are prohibited from engaging in dangerous or harmful work according to the Safety and Health Act.

- Organizing Mom Room seminar, women's cancer screening test and other health promotion activities to take care of female employees' health
- Providing better breastfeeding environment to female employees with reference on a top-quality breastfeeding room specification. Using green material for construction that is non-toxic and flame-proof, KYEC is proud of a comfortable, private and ergonomic environment.
- Female dormitories are installed with surveillance system to protect female employee's safety in dormitory with routine security and health audit
- Offer maternity leave to women giving birth to children.
- Welfare subsidy to newborn children (application available to male and female).

To improve care for female employees with the need for breastfeeding, the corresponding measures are described below:

- (1)Factory nurse care for employees taking maternal leave via phone to understand their demands and provide consulting services.
- (2)At the end of maternal leave for reinstatement, stationed physician will arrange maternal health hazard questions to provide health education consultation.
- (3) Prior to instatement, case with maternal leave without pay shall be interviewed by factory nurse to understand their physical condition and conduct reinstatement evaluation.
- (4) After the case with maternal leave without pay has reinstated, the factory nurse shall conduct an interview to evaluate work applicability.





Breastfeeding Room



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Organizing Female Cancer Prevention Seminar

Organizing Classrooms for Mothers

#### 13. Employee Communication

KYEC regulates relevant laws to protect employee rights according to government laws and regulations. Employees have the right to form union and association and the company will not intervene or interfere, nor will the company form any preferential treatment in any way regardless of race, gender, nationality, religion, and political stance. The company is committed in establishing smooth communication channel with employees and offers complete internal communication channel for effective solution. Employees can fully express their views and immediate communication to establish an employee-employee harmonic work environment. There are employee-employer meetings, seminars, employee board, and various complaint channels for all employees to express their opinions. The matters given in feedback from the employees will receive replies to maintain excellent bilateral communication. In 2014 the HR unit has received 188 incidents in feedback.

#### • Channels for Filing Complaints:

Employee Board: <u>http://webmis01/portal/Dept/hr/admin.htm</u> 8160 Special Service Email: <u>8160service@kyec.com.tw</u> Personnel Division Hotline: Ext. 128120, 28192 24-Hour Employee Emergency Rescue Hotline: Ext. 128119

#### • Communication Channels include:

Communication Channels			
Employee Seminar	Industry-Academia Cooperation Seminar		
New Employee Seminar	R&D Substitute Services Draftees Seminar		
Team Seminar Employer-Employee Meeting			
Foreign Employee Seminar Welfare Committee Meeting			

Human Rights Complaints: No complaint case in violation of discrimination in 2014.

Channel of Feedback	Handling Division	Content	2014 Outcome
Immediate Response		System	
Service hotline	Personnel Division	Welfare measures	1880000 1000 hondling and response
Employee board	Personner Division	Public affairs	188case, 100% handling and response
E-mail		Public safety	



#### 14. Food

Food is the most integral part of life. KYEC takes care of the stomach of employees by offering difference choices of meals. For example, the factory café offers vegetable meals while the convenience stores offer meals marked with calories and ingredients, salad and fruit, while meals are also included meal subsidy plan. The suppliers of coffee shops also offer light meals and whole wheat meals in their menu for breakfast, lunch and dinner.

The contractor health management follows key supplier management during the stationing period. Frequently stationed suppliers include: meal suppliers, convenience stores, coffee shops, cleaning suppliers, security suppliers. KYEC offers health check report for personnel working temporarily in the factory and in case of any anomaly case, the nurses will remind original employer to pay attention and care for the health state of the employees.



#### 15. LOHAS KYEC

To establish team cohesion and build excellent organizational climate, KYEC offers a diversity of activities for employees to relax physically and mentally or develop proper habits after work.

In 2014, KYEC held multiple static and dynamic activities, including aesthetics DIY, shrimp fishing activity, badminton activity, indoor movie watching, meal vouchers, and one-day trip. The most popular family day among parents and children set a record high with 8,495 people participating in 2014.



The selection of excellent employees is aimed to encourage outstanding employees, establish internal example and promote the mutual inspiration and learning in employees by selecting. KYEC holds one annual selection and develops guidelines for incentives.

Senior employees, employees with 5 and 10 years of seniority are presented with awards in acknowledgement of their long-term contribution to the company.

KYEC is also committed in employee relationship with expansion to the spouses and dependents of the employees. On family day event, spouses and dependents of employees are invited to outdoor activities while health check is also open to registration by spouses and dependents. KYEC also offers group insurance to the spouses and children of employees.



#### 16. Quality Workplace

It is KYEC's foremost important objective in creating quality workplace by setting up many recreational areas on higher floors with excellent views, including the table tennis area, employee café, 24-hour convenience stores, and coffee shops, where employees can appreciate the outdoor sceneries during exercise and dining.



- (1)There is weighing scale and electrical blood pressure gauge in the public area for all employees to use, allowing employees to take self-measurement for health management
- (2)There is a multifunction recreation room including reading room and massage room. The reading room offers books, magazines and newspapers, with 1689 books in collection. The masseurs with visual impairment offer services to employees at the massage room. KYEC signs contract with Miaoli County Love Association for the Blind to provide employees with services on stress release and fatigue removal. There were 7,144 people participating in 2014
- (3)Create friendly breastfeeding environment with comfortable couch, refrigerator for storing mother's milk, and information on baby care. There were 26 visits in average per month in 2014.
- (4)The consulting room appeals in privacy and safety. The company may invite professional consultant to offer free consulting services to employees who have the need for career, family life, social relationship and physical and mental state. There were 2 visits in 2014
- (5)For legal consulting services, in case employees need have any doubts and require any legal consultation in life or work, KYEC arranges lawyers to visit its Legal Affairs Department once a month to solve legal questions for employees, and publish the case (under alias) on the internal network to share with employees. There were 31visits in 2014.
- (6)Routinely promote health promotion information and hold workplace health promotion related activities
  - The homepage offers "KYEC Employee Care Network" to promote weekly key medical and health care news and health promotion activities.
  - The factory offers an environmental safety and hygiene hallway, where health promotion themed posters are replaced routinely.
  - The Medical Room offers propaganda fliers and health books for employees to read freely.
  - The company reading room also offers medical and health care magazines and books for employees to borrow.
  - Health promotion posters are replaced routinely and promoted through announcement system.
  - The factory offers outdoor smoking area and poses regulation requirement for the smoking behaviors and environment to the employees and suppliers. The environmental safety and hygiene hallway presents the tobacco hazard prevention related posters routinely.





There are 1,232 articles as of now. There were 281 articles in 2014 alone.

There are 164,336 visits as of now. There were 37,316 visits in 2014 alone.

#### **Social Participation**

KYEC Group upholds to the concept of "Care for society and sustainable development" to actively cultivate talents; promote social welfare activities such as art, culture, and care. In the future, KYEC will fully focus on the difficulty for children from new immigrant families in the pursuit of study, thereby implementing corporate feedback to society and the localities.

#### 1. Sponsoring HsinChu Wind Orchestra

KYEC spares no efforts in promoting arts and cultural activities. As a long-term sponsor to different performances of bands, Chairman C.K. Lee even serves as the head of HsinChu Wind Orchestra by steering the development of the band. Each year the band holds different performances from prosperous township to remote towns, including Hakka concert and parental interaction concerts. KYEC offers free participation to the public and anticipates spreading the seed of music in breadth and width.



#### 2. Employing Masseurs with Physical and Mental Disability

In recent years KYEC has been employing vision-impaired masseurs to offer free massage and stress relief for employees, providing employment opportunity for persons with physical and mental disability, strengthening the care for socially disadvantaged, supporting disadvantaged families with alleviation of financial pressure, and maintaining stability of life.

#### 3. Improving Industry-Academia Cooperation

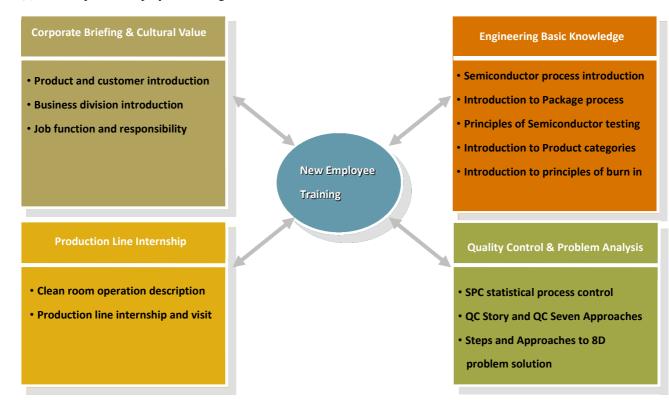
KYEC has been devoted in the seamless connection between the academia and the industry for years while seeking and incubating excellent talents, positively implementing the industry-academic training program from the Ministry of Education by developing internship projects with multiple schools, covering northern, central, southern Taiwan and even offshore islands. In particular, students from National Kaohsiung University of Applied Sciences, National United University and National Quemoy University account for the majority, followed by National Yunlin University of Science and Technology. KYEC also gives feedback to the society for what it has acquired by building solid foundation in talent incubation and cooperates with local Asia-Pacific University of Creativity, Yu-Da University of Science and Technology, and Minghsin University of Science and Technology through a 4-year credited internship.\* KYEC also donated equipment worth of NT10 million to carry out training for fundamental technical operators in semiconductor industry in order to increase student competitiveness. It shows that KYEC spares no efforts in the close connection with industry-academic cooperation and human resources, and the investment and incubation of vocational talents.

KYEC actively promotes industry-academia cooperation and counsel students with employment development to help students create more internship and training opportunities while discussing with schools for internship courses conforming to industry practices, resulting in a triple-win cooperation model.

KYEC and Asia-Pacific University of Creativity cooperates in the "regional technology and quality industry-academia alliance" to jointly cultivate talents of technology and vocation. KYEC also donates instrument equipment for school internship to solidify the backbone competitiveness of semiconductor industry talents. In the future, students from all 15 schools will have the opportunity to study and work at KYEC so that the industry and technological/vocational education will become seamlessly connected.

From campus seminar, interview and screening, training and official employment, KYEC offers a set of schedule that not only screens students with strong intention with qualification but also offers professional practice training (including introduction to semiconductor process, introduction to package and processing and job function and responsibilities), which not only helps student quickly blend into workplace environment but also applies acquired knowledge to practice, thereby searching for position and direction of future. Moreover, KYEC offers rewarding retention solution for students performing with excellence during internship, including renewal bonus, salary raise, and military service reinstatement. KYEC even includes the one year of internship as seniority in attempt to reduce the employment costs for students entering the society while training for the future reserve talents of the company. Moreover the industry-academic cooperation channel transfers the academic energy of R&D into the enterprise, driving the corporate development in core technology to accomplish the win-win cooperation mechanism between the enterprise and the students.





#### (1) Internship New Employee Training Framework

#### 4. Assisting with post-disaster reconstruction for Kaohsiung explosions

In view of the gravity of Kaohsiung explosions and many constructions waiting to be started, KYEC led to donate NTD1 million to the Social Affairs Bureau of Kaohsiung City Government in order to assist with post-disaster reconstruction. KYEC intends to put in the minimal amount of efforts to help the disaster victims quickly settle down and return home.

#### 5. Sponsoring Tosun Public Interest Foundation

KYEC has long been donating to Tosun Public Interest Foundation, which main services consist of caring for disadvantaged groups, promoting gender equality, and the fusion of different groups in the society. Tosun established a midway academy to counsel and assisting dropout students, and caring for students, implementing living counseling and skills training. Tosun also promotes former inmates protection and strengthen the care for crime victims and their families.

# Appendix





GENERAL STANDARD		Standard Disclosure	Related Section	Page No.
DISCLOSURES				
	G4-1	Provide a statement from the most senior decision-maker of the	Words from General Manager	2
.Strategy and Analysis		organization (such as CEO, chair, or equivalent senior position) about the		
Strategy and Analysis		relevance of sustainability to the organization and the organization's		
		strategy for addressing sustainability.		
Organizational Profile.	G4-3	Report the name of the organization	Company Profile	4
	G4-4	Report the primary brands, products, and services	KYEC Overview	3
	G4-5	Report the location of the organization's headquarters	Company Profile	4
	G4-6	Report the number of countries where the organization operates, and		5
		names of countries where either the organization has significant	Worldwide Business Division	
		operations or that are specifically relevant to the sustainability topics		
		covered in the report		
	G4-7	Report the nature of ownership and legal form	KYEC Overview	4
	G4-8	Report the markets served (including geographic breakdown, sectors	Market Status, Worldwide	5
		served, and types of customers and beneficiaries).	Business Division	
	G4-9	Report the scale of the organization, including:		4, 5, 6
		a. Total number of employees		
		b. Total number of operations		
		c. Net sales (for private sector organizations) or net revenues (for public	Company Profile, Market Status,	
		sector organizations)	Worldwide Business Division,	
		d. Total capitalization broken down in terms of debt and equity (for	Business Performance	
		private sector organizations)		
		e. Quantity of products or services provided		
	G4-10	a. Report the total number of employees by employment contract and		62
		gender.		
		b. Report the total number of permanent employees by employment type		
		and gender.		
		c. Report the total workforce by employees and supervised workers and		
		by gender.		
		d. Report the total workforce by region and gender.		
		e. Report whether a substantial portion of the organization's work is	Employee Distribution	
		performed by workers who are legally recognized as self-employed, or		
		by individuals other than employees or supervised workers, including		
		employees and supervised employees of contractors.		
		f. Report any significant variations in employment numbers (such as		
		seasonal variations in employment in the tourism or agricultural		
		industries)		
	G4-11	Report the percentage of total employees covered by collective bargaining	Standards of Recruitment and	61
		agreements.	Employment	
	G4-12	Describe the organization's supply chain.	Supply Chain Management	20
	G4-13	Report any significant changes during the reporting period regarding the		12, 15
		organization's size, structure, ownership, or its supply chain, including:		,
		a. Changes in the location of, or changes in, operations, including facility		
		openings, closings, and expansions.	Corporate Governance	
		b. Changes in the share capital structure and other capital formation,	Framework, Board of the	
		maintenance, and alteration operations (for private sector	Directors	
		organizations).		
		c. Changes in the location of suppliers, the structure of the supply chain,		
		I C. CHANGES IN THE IOCATION OF SUBDIELS. THE STRUCTURE OF THE SUBDIV CHAIN.	i de la companya de l	1
		or in relationships with suppliers, including selection and termination.		



	1			1
		addressed by the organization.		
	G4-15	List externally developed economic, environmental and social charters,		1
		principles, or other initiatives to which the organization subscribes or	About Report	
		which it endorses.		
	G4-16	List memberships of associations (such as industry associations) and		7
		national or international advocacy organizations in which the		
		organization:		
		(1) Holds a position on the governance body.	Members Participating in Various	
		(2) Participates in projects or committees.	External Departments	
		(3) Provides substantive funding beyond routine membership dues.		
		(4) Views membership as strategic.		
	G4-17	a. List all entities included in the organization's consolidated financial		6
3.Identified Material		statements or equivalent documents.		
Aspects and		b. Report whether any entity included in the organization's consolidated	Business Performance	
Boundaries		financial statements or equivalent documents is not covered by the		
boundaries		report.		
	C4 19			1
	G4-18	<ul> <li>a. Explain the process for defining the report content and the Aspect Roundaries</li> </ul>		1
		Boundaries.	About Report	
		b. Explain how the organization has implemented the Reporting Principles		
		for Defining Report Content.		
	G4-19	List all the material Aspects identified in the process for defining report	Identification of the Scope and	10
		content.	Border of Critical Considerations	
		For each material Aspect, report the Aspect Boundary within the		10
		organization, as follows:		
		a. Report whether the Aspect is material within the organization.		
		b. If the Aspect is not material for all entities within the organization (as		
		described in G4-17), select one of the following two approaches and		
		report either:	Identification of the Scope and	
	G4-20	-The list of entities or groups of entities included in G4-17 for which the	Border of Critical Considerations	
		Aspect is not material or		
		-The list of entities or groups of entities included in G4-17 for which the		
		Aspects is material.		
		c. Report any specific limitation regarding the Aspect Boundary within the		
		organization.		
		For each material Aspect, report the Aspect Boundary outside the		10
		organization, as follows:		
		a. Report whether the Aspect is material outside of the organization.		
		b. If the Aspect is material outside of the organization, identify the		
	G4-21		Identification of the Scope and	
	64-21	entities, groups of entities or elements for which the Aspect is material.	Border of Critical Considerations	
		In addition, describe the geographical location where the Aspect is		
		material for the entities identified.		
		c. Report any specific limitation regarding the Aspect Boundary outside		
		the organization.		
	G4-22	the organization. Report the effect of any restatements of information provided in previous		There are no
	G4-22	the organization.		There are no restatements
	G4-22	the organization. Report the effect of any restatements of information provided in previous		
	G4-22	the organization. Report the effect of any restatements of information provided in previous		restatements
	G4-22 G4-23	the organization. Report the effect of any restatements of information provided in previous reports, and the reasons for such restatements. Report significant changes from previous reporting periods in the Scope	About Report	restatements of
4.Stakeholder		the organization. Report the effect of any restatements of information provided in previous reports, and the reasons for such restatements.	About Report Identification and	restatements of information.



			Stakeholders	
	G4-25	Report the basis for identification and selection of stakeholders with	Identification and	8
		whom to engage.	Communication between	
			Stakeholders	
	G4-26	Report the organization's approach to stakeholder engagement, including	Identification and	8
		frequency of engagement by type and by stakeholder group, and an	Communication between	
		indication of whether any of the engagement was undertaken specifically	Stakeholders, Stakeholders'	
		as part of the report preparation process.	Concerned Issues and Interaction	
	G4-27	Report key topics and concerns that have been raised through stakeholder	Identification and	8
		engagement, and how the organization has responded to those key topics	Communication between	
		and concerns, including through its reporting. Report the stakeholder	Stakeholders, Stakeholders'	
		groups that raised each of the key topics and concerns.	Concerned Issues and Interaction	
5.Report Profile	G4-28	Reporting period (such as fiscal or calendar year) for information provided.	About Report	1
	G4-29	Date of most recent previous report (if any).	About Report	1
	G4-30	Reporting cycle (such as annual, biennial).	About Report	1
	G4-31	Provide the contact point for questions regarding the report or its		1
		contents.	About Report	
	G4-32	a. Report the 'in accordance' option the organization has chosen.		1
		b. Report the GRI Content Index for the chosen option (see tables below).		
		c. Report the reference to the External Assurance Report, if the report has		
		been externally assured. GRI recommends the use of external	About Report	
		, assurance but it is not a requirement to be 'in accordance' with the		
		Guidelines.		
	G4-33	a. Report the organization's policy and current practice with regard to		1
		seeking external assurance for the report.		
		b. If not included in the assurance report accompanying the sustainability		
		report, report the scope and basis of any external assurance provided.		
		c. Report the relationship between the organization and the assurance	About Report	
		providers.		
		d. Report whether the highest governance body or senior executives are		
		involved in seeking assurance for the organization's sustainability		
		report.		
	G4-34	Report the governance structure of the organization, including		12
		committees of the highest governance body. Identify any committees		
6.Governance		responsible for decision-making on economic, environmental and social	Corporate Governance	
		impacts.		
	G4-56	Describe the organization's values, principles, standards and norms of	Employee Code of Ethics and	18, 19
		behavior such as codes of conduct and codes of ethics.	Conducts, Implement	
7. Ethics and Integrity			Philosophies of Integrity	
			Management	



SPECIFIC STANDARD DISCLOSURES			Management Approach / Standard Disclosure	Related Section	Page No.
Economic	Economic		Disclosures on Management Approach	KYEC Overview	3
	Performance	G4-EC1	Direct economic value generated and distributed (including	Market Status     Business	5, 6, 69
			sales amount, operating cost, Employee wages and benefits,	Performance   Complete Leave	
			stock dividends, tax expenses, and retained earnings etc.)	System and Benefits	
		G4-EC2	Financial implications and other risks and opportunities for the	Risk Policies, Risk Strategy	19
			organization's activities due to climate change		
		G4-EC3	Coverage of the organization's defined benefit plan obligations	Complete Leave System and	69
				Benefits	
		G4-EC4	Financial assistance received from government	Human Right Policy and Training	71
			Disclosures on Management Approach	Supply Chain Management	20
	Procurement	G4-EC9	Proportion of spending on local suppliers at significant	Suppliers	21
	Practices	04-205	locations	Suppliers	21
	Tractices		of operation		
	Materials			Currely Chain Management	20
Environmental	Materials	0.4 514	Disclosures on Management Approach	Supply Chain Management	20
		G4-EN1	Materials used by weight or volume	Suppliers	21
		G4-EN2	Percentage of materials used that are recycled input materials	Waste Management and Recycle	42
	Energy		Disclosures on Management Approach	Environmental Management	32
		G4-EN3	Energy consumption within the organization	Energy Consumption and	32
				Management	
		G4-EN4	Energy consumption outside of the organization	Energy Consumption and	32
				Management	
		G4-EN5	Energy intensity	Energy Consumption and	32
				Management	
		G4-EN6	Reduction of energy consumption	Energy Consumption and	32
				Management	
		G4-EN7	Reductions in energy requirements of products and services	Energy Consumption and	32
				Management	
	Water		Disclosures on Management Approach	Environmental Management	32
		G4-EN8	Total water withdrawal by source	Use of Water Resources and	33
				Impact on Water	
		G4-EN9	Water sources significantly affected by withdrawal of water	Use of Water Resources and	33
		GH ENS	water sources significantly anected by withdrawaror water	Impact on Water	55
		G4-EN10	Percentage and total volume of water recycled and reused	Use of Water Resources and	33
		04-1110			55
	Due du ete e e d		Diselectures on Management Annuals	Impact on Water	20
	Products and	04 51107	Disclosures on Management Approach	Supply Chain Management	20
	Services	G4-EN27	Extent of impact mitigation of environmental impacts of	Green Procurement	20
			products and services		
		G4-EN28	Percentage of products sold and their packaging materials that	Waste Management and Recycle	42
			are reclaimed by category		
	Compliance		Disclosures on Management Approach	Environmental Management	32
		G4-EN29	Monetary value of significant fines and total number of	-	N/A
			non-monetary sanctions for non-compliance with		
			environmental laws and regulations		
	Transport		Disclosures on Management Approach	Supply Chain Management	20
		G4-EN30	Significant environmental impacts of transporting products and	Optimize Pickup / Delivery Route	30
			other goods and materials for the		
			organization's operations, and transporting members of the		
			workforce		1



			Disclosures on Management Approach	Supply Chain Management	20
	Supplier	G4-EN32	Percentage of new suppliers that were screened using environmental criteria	Suppliers	21
	Environmental Assessment	G4-EN33	Significant actual and potential negative environmental impacts in the supply chain and actions taken	Suppliers	21
Social: Labor	Occupational		Disclosures on Management Approach	Employees' Interests	61
practices and decent work	Health and Safety	G4-LA5	Percentage of total workforce represented in formal joint management–worker health and safety committees that help monitor and advise on occupational health and safety programs	Safety and Hygiene Policies and Organizational Operations, Employee Care, Physical and Mental Health of Employees	49, 71, 78
		G4-LA6	Type of injury and rates of injury, occupational diseases, lost days, and absenteeism, and total number of work-related fatalities, by region and by gender	Occupations Injury Statistics and Analysis	49
		G4-LA7	Workers with high incidence or high risk of diseases related to their occupation	Physical and Mental Health of Employees	78
		G4-LA8	Health and safety topics covered in formal agreements with trade unions	Safety and Hygiene Policies and Organizational Operations	49
	Training and		Disclosures on Management Approach	Human Right Policy and Training, Social Participation	71, 85
	Education	G4-LA9	Average hours of training per year per employee by gender, and by employee category	Human Right Policy and Training, Improving Industry-Academia Cooperation	71, 85
		G4-LA10	Programs for skills management and lifelong learning that support the continued employability of employees and assist them in managing career endings	Complete Retirement Planning, Human Right Policy and Training, Employee Care, Improving Industry-Academia Cooperation	69, 71, 85
		G4-LA11	Percentage of employees receiving regular performance and career development reviews, by gender and by employee category	Employees' Interests	68
	Diversity and		Disclosures on Management Approach	Employee Distribution	62
	Equal Opportunity	G4-LA12	Composition of governance bodies and breakdown of employees per employee category according to gender, age group, minority group membership, and other indicators of diversity	Employee Distribution	62
	Labor Practices		Disclosures on Management Approach	Employee Communication	81
	Grievance Mechanisms	G4-LA16	Number of grievances about labor practices filed, addressed, and resolved through formal grievance mechanisms	Employee Communication	81
Social: Human rights	Human Rights Grievance Mechanisms		Disclosures on Management Approach	Corporate Governance, Employee Communication	12, 81
		G4-HR12	Number of grievances about human rights impacts filed, addressed, and resolved through formal grievance mechanisms	Employee Communication	81
Social: Society	Local		Disclosures on Management Approach	Social Participation	85
	Communities	G4-SO1	Percentage of operations with implemented local community engagement, impact assessments, and development programs	Social Participation	85
		G4-SO2	Operations with significant actual and potential negative impacts on local communities	Social Participation	85



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