











GRI guidelines and verification

The contents of this report follow the requirements of AA1000AS:2008 and Global Reporting Initiative (GRI) guidelines (G4) and have been verified by TÜV Asia Pacific Ltd. Taiwan Branch (TUV NORD). The disclosure of this report follows "CORE" in accordance. The assurance statement is enclosed in Annex 5.

Contact of this report

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The English version is translated from Chinese version. If there is any conflict between these two versions or any difference in the interpretation of these two versions, the Chinese version shall prevail. Tatung Co. has done the best to ensure the accuracy of this report. If there is any content in this report different to the content provided by the related department of Tatung Co. The provided content shall prevail.

We had renamed Tatung Corporate Sustainability Report to Tatung Corporate Social Responsibility Report in order to comply with the new request from the authority. We adopted GRI G4 in this report to present a more focused content to the needs of the stakeholders, as well as sharing the achievements done by Tatung Co. in a systematical manner.

Scope

Tatung Co.'s economic, quality and service, social, and environmental performances and activities in Taiwan are disclosed in this report.

Report year

The time frame of this report is one year period. All the activities and data disclosed are from $2014/01/01 \sim 2014/12/31$ unless otherwise stated.

Previous reports

Tatung Co. started to publish Tatung Environmental Report since 2002. The previous report was published in December 2014. Previous reports can be downloaded via:

http://www.tatung.com/en/responsibility_rp.asp

Schedule for the next report

2016 Tatung Corporate Social Responsibility Report will be published in June 2016.

Subsidiaries

The scope of this report includes the activities and performances of Tatung Co. in Taiwan. The sites include the headquarter, Tayuan Plant, Taoyuan Wires and Cables Plant, Taoyuan 1st Plant and San-Hsia Factory. The activities and performances of subsidiaries are not disclosed in this report.

Note: Part of TCPC's information is disclosed in Chapter 4.

Data measurement techniques

The numbers in economic performances were calculated with IFRSs (cited from Annual Report and presented in NTD). The numbers in social and quality performances were gathered by related departments in the company. The numbers (presented in international indicators) in environmental performances were collected by BUs and reviewed/corrected by ESD.

Top management statement



Chairman

Corporate sustainable development and social responsibility are the two issues that the stakeholders concern most and also are the commitments Tatung Co. follows since founded. We renamed "Tatung Corporate Sustainability Report" to "Tatung Corporate Social Responsibility Report" this year due to the request from the authority and GRI G4 guideline is adopted. Commitment and performance of business operation, product quality, service, environmental protection, and social participation are disclosed in the report. We commit that Tatung Co. will publish CSR Report every year to communicate with stakeholders as well as to record the development of the company.

2014 was a challenging year for Tatung in its continuous transformation as world economy was still volatile. Nevertheless, we still mobilized our management team in business strategy adjustment, organization restructuring, business focus, and effectively integrate resources; we are building up future growth foundation and continue to improve management performance as well as corporate governance. Our independent directors have helped to strengthen internal control systems, including revisions of Operation Procedures, reviews of investment strategies and executions, etc. The Compensation Committee has also established better linkage between performance KPI and the compensation system for directors and management teams. The management team has strengthened management in internal control and investment according to the above guidelines.

2014 was the milestone for us in the way to carry out social responsibility. We set up and published code of ethics, ethical principle, CSR best practice principles and each of these has a department to be responsible for. Along with CSR best practice principles, we also announced Tatung Co. CSR policy in 2014. We expect the policy can act as guidance to enhance corporate governance, carry out social welfare, and develop sustainable environment, moreover guide Tatung Co. to achieve sustainable development in the next 100 years.

Energy-saving and environmental friendly have always been the key emphasis and philosophy of Tatung Co. The operation will focus on energy-saving and energy management. Consumer BG will integrate IoT Technology into developing smart appliances to provide better service. Other than existing channels, we will continue to broaden partnership with online shopping players with differentiated and well-designed products to strengthen our brand. System BG will strongly focus on promoting system solutions on energy saving, smart grid, mechatronics systems, water treatment projects and public construction projects. Power BG will focus on promoting high efficiency and energy saving motors, transformers, LED, solar power system, energy management system and

providing customers with a better quality power of transmission and distribution, more secure and energy saving power/ electromechanical systems. We will also seek business opportunities abroad all kinds of power plants, office buildings and public constructions in domestic and overseas markets.

Serving the country through industry, contributing to the community, and caring disadvantages are always our core values since founded. In past years, we have organized many public charities and assisted disadvantaged groups. We will keep carrying out industry-education cooperation with Tatung University and Tatung Senior High School as well as arrange blood donation event regularly, donate to charity groups and care about disadvantaged families.

Looking toward future, we will continue to carry on our founder's operational ideas of "integrity, honesty, industry, and frugality" and continue to shape up corporate governance. We will take corporate social responsibility into the operation and achieve the goal of sustainability in the near future.

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CH Identification of the stakeholders and significant topics

Listening and responding to the topics that are concerned by the stakeholders is a key element for a company to achieve sustainable development and carry out corporate social responsibility. Tatung Co. finds out the blind spots and gains valuable opinions by communicating with the stakeholders. The contents of this report are to disclose the identified significant topics to the stakeholders.

- 1.1 Identification on the stakeholders and
- 1.2 Identification of significant topics

communication channels

1.1 Identification on the stakeholders and communication channels

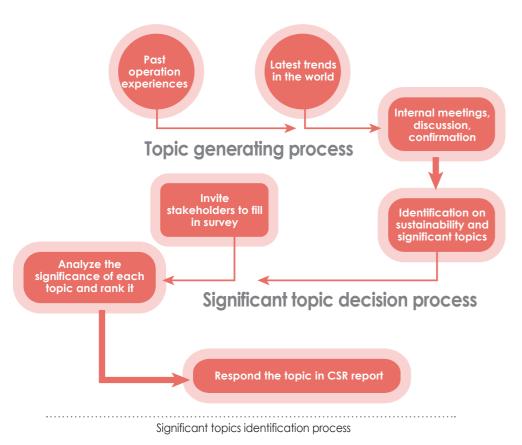
Tatung Co. formed CSR Reporting Group in 2012. The members are from the top level departments in the headquarters and the factories. The main jobs of the group are to identify the stakeholders and the significant topics. Tatung Co. identified her stakeholders by her operation experiences and based on the principle that any organizations or persons impacted by the operation of the company or any organization or persons having impacts to the company. The process identified 7 stakeholders and formed communication channels (Table 1.1-1).

		Interested issue	Communication channel	Communication frequency
	s and the communication channels			
Shareholders	The investors who support Tatung	Governance and financial performance	 Regular shareholders' meeting Irregular shareholders' meetings, direct phone line, e-mail 	Once per yearIrregular
Customers	The companies having business with Tatung	Product quality	Customer service, PM	• Irregular
Employees	The most valuable assets	Rights, welfares	 Complaint mechanism, scheduled education and training, notice board Biweekly HR newspaper Health and Safety Committee in the headquarter and factories Labor-management meeting 	IrregularOnce per 2 weeksOnce per 3 weeksOnce per 3 weeks
Local communities and parties	Tatung Co. good neighborhood	Pollutant emissions, interactive with local community	Direct phone lines, social charity/donation activities	• Irregular
Authorities	Instructors of Tatung	Compliance	• Audits	• Irregular
Suppliers	Partners grow together	The quality of parts and products, the requirements regarding to hazardous substances	Supplier complaint mailbox supplier@tatung.comSupplier evaluation, annually re-evaluationSupplier assessment	IrregularOnce per yearOnce per month
Consumers	Supporters of Tatung products	Product safety and labeling, leakage of personal information	TCPC phone lines, Tatung 3C Stores, official websites, satisfactory survey	• Irregular

1.2 Identification of significant topics

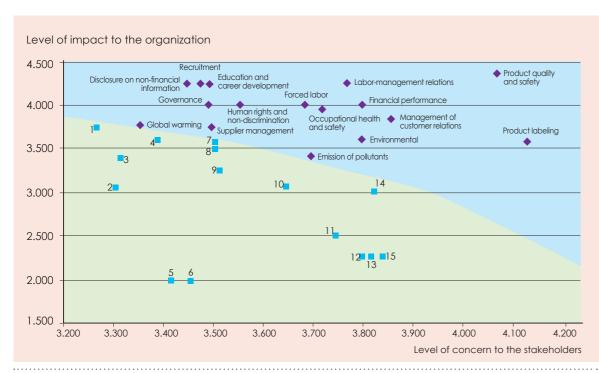
Tatung Co. concluded 31 possible topics that may have impacts to the stakeholders and the company based on the operation experiences and the latest trends. The comparison between the topics and aspects listed in GRI G4 shows on Table 1.2-1. During the identification process, CSR Reporting Group firstly evaluated the probability, the influence and the level of impacts that brought by the topics and graded them (grade 1~5). At the same time, Tatung Co. invited her stakeholders to complete a survey which includes the contents of the topics. At last, the grading from inside and outside the company were evaluated and discussed by CSR Reporting Group and the combination grading for the topics that located on the top layer were identified as the significant topics (Figure 1.2-1).

Tatung Co. identified 16 significant topics and they covered product, social, economic, and environment categories. The three most significant topics are "Product quality and safety", "Labormanagement relations", and "Financial performance". In addition, as a responsible company, topics such as product, employee, and capability for profit are long term concerned topic as well. The 16 significant topics are responded in detail in the following chapters. The relevancy of the significant topics in the value chain is expressed on Table 1.2-2.



▶▶ Table 1.2-1 The topics and correspondent to G4 standard disclosures or aspects

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Topics	Corresponds to GRI G4 standard disclosures or aspects
Financial performance	Economic performance / Indirect economic impacts
Governance	G4-34 Report the governance structure of the organization, including committees of the highest governance body. Identify any committees responsible for decision-making on economic, environmental and social impacts.
Code of ethics	G4-56 Describe the organization's values, principles, standards and norms of behavior such as codes of conduct and code of ethics.
Risk management	G4-2Provide a description of key impacts, risks, and opportunities.
Global warming	Emissions
Environmental management	Overall environmental management
Energy management	Energy
Emission of pollutants	Emissions / Effluents and wastes
Wastes management	Effluents and wastes
Water and resources management	Water, materials
Environmental products	Products and services
Suppliers management	Supplier assessment for labor practices, human rights, and environment
Compliance on environmental regulation	Compliance on environmental regulations
Labor's right	Training and education, equal remuneration for women and men
Welfare	Employment
Labor-management relations	Labor/management relations
Occupational health and safety	Occupational health and safety
Education and career development	Training and education
Recruitment	Employment
Human rights and non-discrimination	Non-discrimination
Freedom of association and collective bargaining	Freedom of association and collective bargaining
Forced labor	Forced or compulsory labor
Help disadvantage groups	Local communities
Interactive with local communities	Local communities
Anti-competitive behavior	Anti-competitive behavior
Product quality and safety	Customer health and safety / Compliance on product regulations
Product labeling	Product and service labeling
Management of hazardous substances	Customer health and safety
Marketing communications	Marketing communications
Management of customer relations	Customer privacy
Disclosure on non-financial information	Disclosure on non-financial information



▲ Figure 1.2-1 Demonstration of significant topics

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Category	No.	Topics	Category	No.	Topics
Economic	9	Risk management		1	Freedom of association and collective bargaining
	2	Environmental management	Social	5	Code of ethics
	3	Water and resources management	(Human rights)	7	Interactive with local communities
Environment	4	Energy management		11	Help disadvantage groups
	8	Compliance on environmental regulation	Social	6	Anti-competitive behavior
	10	Wastes management	(Product responsibility)	14	Marketing communications
Social (Labor practices and	12	Labor's right		15	Management of hazardous substances
decent work)	13	Welfare			

►► Table 1.2-1 The boundaries of significant topics

	Boundary	Within the o	organization	Outside the organization
	Significant topics	Tatung Co.	Subsidiaries/ re-investment companies	Suppliers
	Product quality and safety			100
Draduat	Product labeling		-	
Product	Environmental products			-
	Management of customer relations		-	-
	Suppliers management	100	100	100
	Labor-management relations			
	Occupational health and safety			
Social	Education and career development			-
	Recruitment			
	Human rights and non- discrimination			-
	Forced labor			
	Financial performance	100	100	-
Economic and governance	Governance			-
	Disclosure on non-financial information			-
For decourse and	Global warming			-
Environment	Emission of pollutants			

Note: represents that Tatung Co. having influence on all the subsidiaries and suppliers; represents that Tatung Co. having influence on part of subsidiaries and suppliers. - not yet influence.

CH2Profile of Tatung Co.

- 2.1 Company profile
- 2.2 Financial performances
- 2.3 Services and products

2.1 Company profile

Tatung Company (show as Tatung Co.) was funded in 1918 and formerly known as Xie Chih Business Enterprise. The total capital at that time was Taiwan Yuan \$180,000. In 1968, the company changed her name to Tatung Co. based on the Company Act and released the shares to public. As of December 2014, the issued capital and registered was NT\$23.395 billion. Tatung Co. is listed on the Taiwan Stock Exchange (TSE) under the trading code of 2371. The brand name is TATUNG. For more details, please refer to Figure 2.1-1.

Tatung Co. holds 3 business groups. To sustain strong and long-term growth, Tatung Co. focuses particularly on the development of advanced technologies and global network of operation. With its overseas branches expanding into 12 countries, Tatung Co. is in a solid position to deliver products more efficiently and render customer services more effectively (as shown in Figure 2.1-2). Tatung Co. offers customers tremendous advantages on cost, speed, and seamless backend support to stay ahead in today's dynamic business world. Tatung Co. specializes in the ODM/OEM business and serves branded customers on a global basis. In addition, Tatung Co. takes part in many associations and organizations (Table 2.1-1) which related to her industries to gather the latest information and trends.

As a conglomerate, Tatung Co's investees involve in some major industries such as optoelectronics, energy, telecommunication, system integration, industrial system, branding channel, and asset development. Those that are public listed on the Taiwan Stock Exchange include Chunghwa Picture Tubes (2475), Forward Electronics (8085), Shan Chih Semiconductor (3579), Green Energy Technology (3519), Tatung Fine Chemicals (4738: Emerging stock market), Elitegroup Computer Systems (2331), and Tatung System Technologies (8099). Table 2.1-2 shows the main domestic subsidiaries of Tatung Co. Please refer to Annex 1 for the list of consolidated entities.

Tatung Co. received many awards and certifications on operations and products in 2013 (Table 2.1-3). Tatung Co.

Our Vision

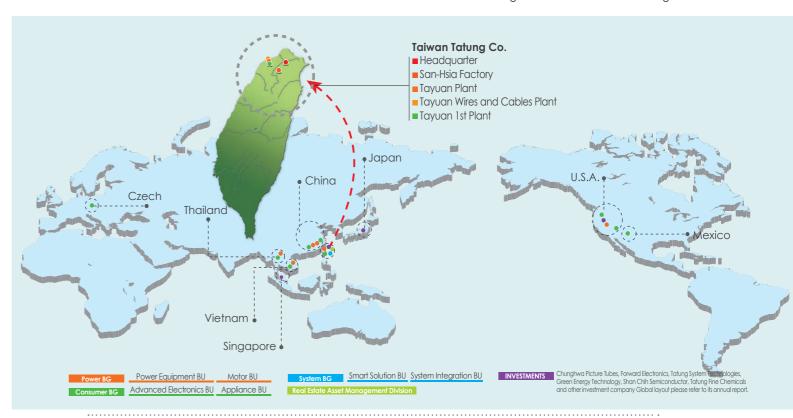
Innovation for quality Products for energy saving, environmental friendly, and healthy life Fulfillment of social responsibility as a corporate citizen

also endorses initiatives in regarding care disadvantaged groups and employee's health (Table 2.1-4). All these acknowledgements from all sides is certainly the driving force behind the growth of Tatung Co.

Note 1: Official website for Tatung 2014 Annual Report http://www.tatung.com/en/f_download/2014Annel%20report_en.pdf



▲ Figure 2.1-1 Information of Tatung Co.



▲ Figure 2.1-2 Tatung Co. global network

▶ ► Table 2.1-1 Membership status in associations and organizations

Association/organization	Member	Managing role ¹
ROC-USA Business Council		
The Third Wednesday Club		
Chinese International Economic Cooperation Association		
Chinese Taipei Packaging Association		
Chinese National Association of Industry and Commerce, Taiwan		
CNS Certification Mark Association, R.O.C.		
Information Service Industry Association of R.O.C.		
Taipei Electrical Commercial Association		
Industrial Association of Taipei City		
Taiwan Telematics Industry Association		
Taiwan Wind Energy Association		
Taiwan Smart Grid Industry Association		
Taiwan Information Storage Association		
Taiwan Motor Industry Association		
Taiwan Electrical and Electronic Manufacturers' ' Association		
Taiwan Refrigeration and Air-Conditioning Engineering Association R.O.C.		
Taiwan Environmental Engineering Association		
Monte Jade Science & Technology Association of Taiwan		
Taiwan Institute for Climate Change and Energy		
Industrial Safety and Health Association of the R.O.C.		
Taiwan Digital Television Committee		
Taiwan Industrial Technology Association		
SINOCON Industrial Standards Foundation		
Electric-Electrionic & Environmental Technology Development Association of R.O.C.		
Importers and Exporters Association of Taipei		
Taiwan Association of Machinery Industry		
Taiwan Water Pipe Engineering Industries Association		
Taiwan Electrical Contractors Association	_	
Taiwan Electric Wire & Cable Industries Association		

Note1: Managing role includes director and supervisor.

▶▶ Table 2.1-2 The main domestic subsidiaries of Tatung Co.

Optoelectronic	Chunghwa Picture Tubes, Ltd. Forward Electronics Co. , Ltd.	Chemical Engineering Business	g Kuender Co., Ltd. Tatung Fine Chemicals Co., Ltd.
Energy Solution Business	Shan Chih Semiconductor Co. , Ltd. Green Energy Technology Inc.	Asset Development Business	Shan Chih Asset Development Co., Ltd.
Retail Channel Business	Tatung Consumer Products (Taiwan) Co. , Ltd.		Chunghwa Electronics Development Co., Ltd.
Electronics & Information Bu	siness Central Research Technology Co., Ltd.	Others	TISNet Technology Inc. Shan Chih Investment Co., Ltd.
Industrial Appli Business and Sy			Tatung Medical & Healthcare Technologies Co., Ltd. Tatung Die Casting Co., Ltd. Chih Sheng Investment Co., Ltd.

Note: The data in this report does not include subsidiaries.

Table 2.1-3 Awards received in 2014

Award	Description
Taiwan Excellence Award 2014	DC Fan, DLMS/COSEM Polyphase Smart Meter, DLMS/COSEM Single Phase Smart Meter, Multi-media LCD Monitor-A, Multi-media LCD Monitor-R, Multi-media LCD Monitor-UH, Split Type Conditioner (Android APP Control)
"Top Green Brand 2013" by Business Next magazine	Awarded for four consecutive years
2014 Taiwan Corporate Sustainability Report Awards – Large Enterprises, Electronics Industry I Bronze Medal	Awarded for two consecutive years
2014 Most Influence Brand – Home Appliances Excellent Award	The only domestic brand in this category
Corporate ESCO Excellent Performance Award	Tatung Co. participated in Corporate ESCO program held by Bureau of Energy, Miniistry of Economic Affairs since 2011. The performance in the past three years was acknowledged.
2014 Taipei City Commercial Building Energy Labeling	Headquarter

▶▶ Table 2.1-4 Initiatives endorsed by Tatung Co.

Organization	Item
Chinese Blood Donation Association	Corporate blood donation
Health Promotion Administration	Smoke-free work place
Health Promotion Administration	Healthy work place



2.2 Financial performances

The revenue achievement of Tatung Co. was below target and the gross margin rate was decreased by almost 1% year over year mainly due to Power BU revenues declined. Although CPT and GET were losses in 2014, other invested companies, such as Shan-Chih Assets Development achieved their annual targets of revenue and profits which allowed Tatung Co. recognize 2 billion investment profit in 2014. Therefore, the net income after tax was NT\$0.36 billion which was NT\$0.16 earning per share (Table 2.2-1).

Tatung Co. operates normally on a daily basis and accepts no financial support from the government. For more detailed financial performances, please look into "Tatung 2014 Annual Report" which can be downloaded at:

http://www.tatung.com/en/f_report_year.asp

2.3 Services and products

Services

Tatung Co. holds three business groups. To sustain strong and long-term growth, Tatung Col focuses particularly on the development of advanced technologies and global network of operation. With her overseas branches expanding into 12 countries, Tatung Co. is in a solid position to deliver products more efficiently and render customer services more effectively.

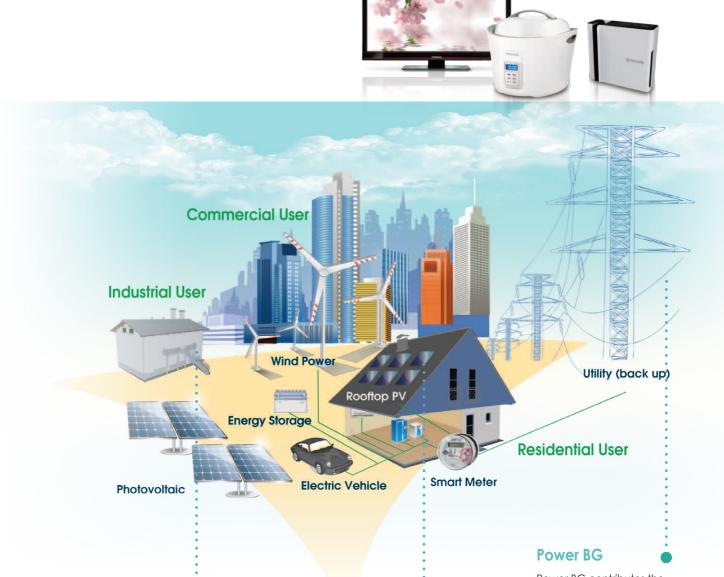
Global warming caused by climate change has brought risks to the operation of the business, but also created opportunities. In view of energy saving and carbon reduction has become the subject of global attention; Tatung Co. is committed to the introduction of energy-saving related products, systems and services. The three business groups offers a variety of high efficiency of consumer electronics and home appliances, motors, electrical equipment and automation products, system to smart grid, smart community and smart home. Tatung Co.'s future development priorities as follows:

▶▶ Table 2.2-1 Financial income and expense of Tatung Co.

Item	2012	2013	2014
Operating income	32,185,089	24,087,818	21,295,466
Realized gross profit	2,978,502	2,394,002	1,846,739
Personnel expenses ¹	2,966,312	2,810,058	2,700,133
Net income	160,055	(257,408)	(874725)
Non-operating income and expenses	(4,200,912)	(1,490,473)	1,209,308
Interest expenses	(970,488)	(958,287)	(724,696)
Income tax benefits	22,226	136,473	28,956
Net income after tax	(4,415,092)	(1,364,192)	1,288,947
Earnings per share (NT\$)	(1.74)	(0.70)	0.16
Dividends per share (NT\$)	0	0	0

Unit: NT\$ Thousand/() represents negative values

Note: IFRSs was adopted since 2013. The financial data in year 2012 was re-calculated. Note 1: Personnel expenses include salaries, staff labor and health insurance, pension, and others.



System BG

Tatung Co. will strongly focus on promoting system solutions on energy saving, smart grid, mechatronics systems, water treatment projects and public construction projects.

Consumer BG

Tatung Co. will focus on developing smart appliances integrated with energy-saving, loT technology to provide better service. Other than existing channels, the Company will continue to broaden partnership with on-line shopping players with differentiated and well-designed products to strengthen our brand. We will march into international market starting with China and Southeast Asia first.

Power BG contributes the majority of the Tatung Co.'s revenue and profit. For motors and transformers, we will focus on promoting high efficiency and energy saving models. For those which the cost structures are not competitive, we will move manufacturing to our subsidiaries in China and Thailand. Export sales are the major focus for continued growth.

Products and services

The products and services provided by Tatung Co. cover from optical sector, machinery and energy sector, and consumer product sector. Please refer to the following pages for more details. The related production amount and values are list on Figure 2.3-2~2.3-4.

Power Business Group

Power **Equipment BU**

Motor BU

Industrial Appliance:

Researching, developing and manufacturing all kinds of transformers rated 345kV 1000MVA and under, all kinds of reactors rated 345kV 100MVAR and under, 161kV class of gas insulated switchgears and gas circuit breakers, 36kV series of switchgear, power distribution equipment, and other industrial equipment.

Wire & Cable:

Responsible for manufacturing and sale of various wires, cables, optical fiber cables, and busway.

Tatung's motors business has been operating for over six decades with sales worldwide. With "Tatung Motors Drive the World" as its theme. Integrating of all aspects of electric machine which covered for designing, manufacturing, and selling of electric motors, immersible pump motors, PM motors, EV motors, drives, water jacket motors, generator sets, and total solutions of power systems.





▲ Figure 2.3-1 Products and services provided by Tatung Co. ~1

Consumer Business Group

Advanced **Electronics BU**

Appliance BU

The Advanced Electronics Business Unit (AEBU) focuses on providing global ODM customers with design and manufacturing products. The product lines include 2 main lines: digital entertainment and Internetof-Things (IoT) products. The digital entertainment line includes electronic gaming and imaging accessories. The IoT products include IP camera, smart energy management and remote sensing-&-control products. Tatung's customers can benefit from Tatung's fast reaction to accommodate market needs and flexibility in design customization. The on-going research and development will further enhance the customers' competitiveness in their products.

Tatung launches Smart Home Energy Management System to provide efficient, convenient and comfortable green life. Tatung Smart HEMS is useful for anyone who wants to reduce home energy consumption and save money to offer users total management of home energy consumption with appliance control, energy consumption monitoring, and self-monitoring functions anytime, anywhere, through any internet-enabled personal device. For new product developments, the new launched golden 6° 4K curved Display significantly reducing the standard error of 6° elevation design in the visual reflection of light generated, meanwhile to improve screen contrast images to create the best viewing perspective; the frame-type design with curved base metal material finish delivers the extraordinary taste. Large home appliances parts, Tatung continuously devotes itself to the developments of grade 1 energy label air-conditioning products and refrigerators, and energy-saving water mark washing machines. For small home appliances, with the rising awareness of environmental protection and energy, Tatung introduces Classic DC fan products which equipped with DC motor and DC inverter. Comparing with traditional fans, the new generation Classic DC fans can significantly save energy and reduce noise while retaining the high-quality and green life! Tatung home appliances products have been awarded the TAIWAN Excellence for over 22 years to demonstrate superior design and innovation capability.





▶ Figure 2.3-1 Products and services provided by Tatung Co. ~2

System Business Group

Smart Solution BU

IoT business opportunity is increasing therefore Tatung's Smart Solutions Business Unit integrates energy saving products, ICT technologies, big data analysis and energy management systems to provide customers with the best applications. Tatung provides the Smart Building Management System, to analyze energy data to help you set a reasonable energy capacity, uninstall or improved insufficient equipment together with a management system that optimizes the best energy-saving effect. The Smart Grid Solutions include all kinds of smart meters and AMI system. We are capable of integrating AMI systems for worldwide power utilities. In addition, we also develop Advanced Distribution Automation System (ADAS) and the micro grid system integration. Regarding to clean energy field, we are OEM in the solarsilicon ingot business as an Ingot-Growing Center.



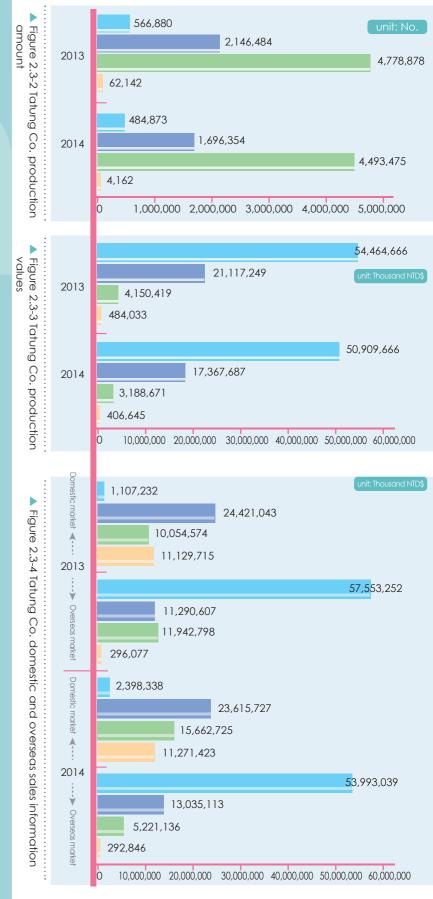
System Integration BU

With large-scale system integration capabilities including 161kV GIS (Gas Insulated Switchgear) and gas circuit breakers; 36kV series of switchgear, power distribution equipment, and other industrial equipment: thermal and hydro generation systems, transmission and distribution systems, substation systems, water treatment systems, as well as electro-mechanical systems, and involved projects throughout the government departments, schools and enterprises, BU primarily focus on ICT (Information Communication Technology) system integration services, energy saving and generation management, mechatronics integration services and software development, including Tatung smart energy management system, document management system, attendance management system, enterprise resource management system and various information management systems, etc. It is worth mentioning that she has already won the software development certification of the Capability Maturity Model Integration (CMMI) maturity Level 3. The Public Works division newly established in 2014, provides highquality total solution to customers, combined with multidisciplinary professionals which consists of the fields of power, electronics, mechanics, smart control, information, communication, transportation and project management, coordinates cross interface and integrated design, implementation, project management with related technical support.

▲ Figure 2.3-1 Products and services provided by Tatung Co. ~3

Real Estate Asset Management Division

Real Estate Asset Management Division was established in Jan. 2014 provides specialized investment services from entire real estate life cycle associated with planning, analyzing, developing, operating and managing on behalf of the Tatung Corporate to maximize asset value and achieve optimal asset performance through value added real estate strategy.



Optical sector

Machinery and energy sector

Consumer products sector

Note: Data is from consolidated report. The data in 2013 is recalculated due to sector change in 2014.

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CH3Structure and governance

3.1 Corporate structure

The governance structure of Tatung Co. is shown on Figure 3.1-1. The top manager is Chairman, Wei-shan Lin, and he does not have any other administrative position. Apart from the administrative divisions, Tatung Co. is also consisted with Power BG, Consumer BG, System BG, Real estate asset management division, and domestic/overseas subsidiaries.

3.2 Governance

Tatung Co. works closely with changing regulations and observes the world current events to the construction of

a sound corporate governance framework. In recent years, we have faced serious challenges on business; we not continue with ongoing organizational and physical adjustment, the focus of operations and integration of group resources, but also review and revise the relevant corporate governance approach to enhance the operational efficiency of corporate governance.

Tatung Co. governance best practice principles

In order to establish sound corporate governance system, Tatung Co. adopted the principles of Taiwan Stock Exchange Corporation (TWSE) and the GreTai Securities Market (GTSM) and published "Tatung Co. governance best practice principles" in 2014. The principles are agreed by board of directors and aiming to achieve the followings:

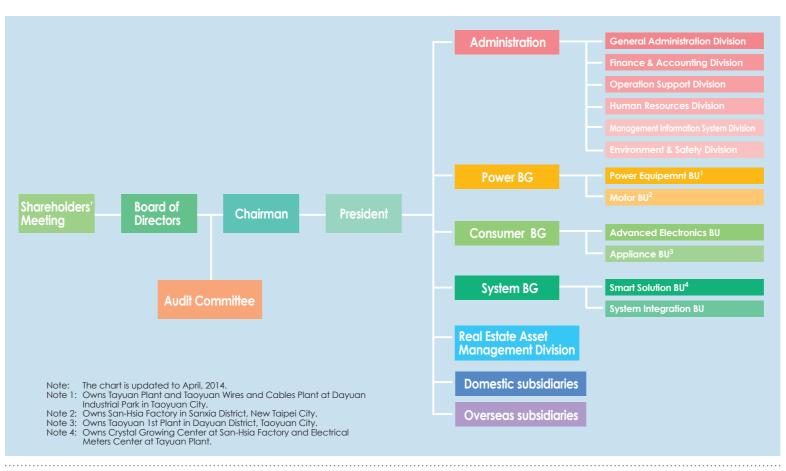
- 1. Protect the rights in interests of shareholders.
- Strengthen the powers of the board of directors.
- 3. Fulfill the function of supervisors.
- 4. Respect the rights and interests of stakeholders.
- 5. Enhance information transparency.

Tatung Co. code of ethics

In order to guide the directors and managers of ethical conduct, for example, prevent conflicts of interest, to avoid the chance of personal interests and fulfill the duty of confidentiality, fair dealing, protection and proper use of company assets, to follow the laws and regulations, to encourage the reporting of any violations of law or ethical behavior and conduct of disciplinary measures, Tatung Co. has developed "Tatung Co. code of ethics" and agreed by the board of directors.

Tatung Co. ethical principle

In order to establish an ethical and sound management of corporate culture development to build up a good business mode of operation, risk control mechanism and sustainable business environment, Tatung Co. published "Tatung Co. ethical principle". The principle prohibits director, supervisor, manager, employees, and mandataries or persons having substantial control shall not conduct unethical behavior. Ethical training and education are conducted among the mentioned personnel regularly. Persons and companies who have business with Tatung Co. are invited to attend the education to fully understand the commitment made by Tatung Co.



▲ Figure 3.1-1 Tatung Co. organization chart

3.1 Corporate structure

3.2 Governance

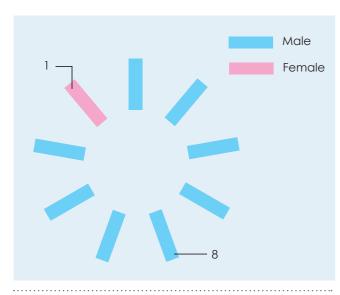
Shareholders' meeting

Shareholders' meeting is consisted with each shareholder and held once per year. Extraordinary shareholders' meetings are held under exceptional circumstances. Each shareholder has right to express his/her opinions to the company and involves in decision making with votes. Tatung Co. has the group which is responsible for gathering/disclosing company's information and responding to shareholders. Tatung Co. also setup company's official site to disclose the related governance news and company activities and to act as a communication channel between the company and shareholders¹.

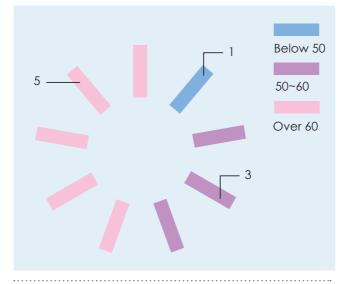
Note 1: Contact window for shareholders http://www.tatung.com/en/stock_contact.asp

Board of directors

The highest governance authority of Tatung Co. is the board of directors. The members of the board are listed on Table 3.2-1. Tatung Co. Company Act list that the company shall have five to nine members in board of directors and shall be appointed for a period of three years. The shareholders shall vote from the director candidate list at shareholder's meeting. The number of the directors elected to not less than three and not less than one fifth of the number of directors of independent directors. The professional qualifications, number of shares owned, part-time constraints, nominated and elected way and others of independent directors should be according to regulation and Company Act. The board of directors manages the company operation performances, works hard to maximize the benefits for the shareholders. When there is event of conflicts of interest during board of directors' meeting, Tatung Co. follows the measures in related regulations. Figure 3.2-1 and Figure 3.2-2 demonstrates age and gender distribution of board of directors. Table 3.2-2 shows major resolutions of the board of directors.



▲ Figure 3.2-1 Genders distribution of the board of directors.



▲ Figure 3.2-2 Age distribution of the board of directors

▶ ► Table 3.2-1 List of board of directors and functional committees

					• • • • • • • • • • • • • • • • • • • •
Name	Nationality or corporate seat	Title	Audit committee	Compensation committee	Job title assumed in the Company and any other company
Mr. Wei-shan Lin	Republic of China (Taiwan)	Chairman			Chairman of Chunghwa Picture Tubes, Ltd. Chairman of Forward Electronics Co., Ltd. Chairman of Shan Chih Semiconductor Co., Ltd. Chairman of Green Energy Technology Inc., Chairman of Tatung Consumer Products (Taiwan) Co., Ltd., Chairman of Shan Chih Asset Development Co., Chairman of Tatung Fine Chemicals Co., Ltd., Chairman of Toes Opto-Mechatronics Co. Chairman of Tatung SM-Cyclo Co., Ltd. Chairman of Chunghwa Electronics Development Co., Ltd. Chairman of Tatung Die Casting Co., Ltd. Chairman of Tatung Medical & Healthcare Technologies Co., Ltd. Chairman of Shan Chih Investment Co., Ltd. Chairman of Tatung Company of Japan, Inc. Chairman of Tatung Electronics (Singapore) Ptd. Ltd. Chairman & President of Tatung Wire and Cable (Thailand) Co., Ltd. Chairman of Tatung Electrics (Singapore) Pte. Ltd. Chairman of Taiwan Telecommunication Industry Co., Ltd. Chairman of TiSNet Technology Inc.
Ms. Wen-yen K. Lin	Republic of China (Taiwan)	Director			President of Tatung Company, Chairman of Tatung System Technologies Inc. Chairman of Tatung Information (Singapore) Pte. Ltd. Chairman of Tatung Mexico S.A. de C.V, Chairman of Tatung Czech s.r.o. Chairman of Elitegroup Computer Systems Co., Ltd.
Mr. Wei-tung Lin	Republic of China (Taiwan)	Director			Direct of Tatung Industry Company. Advisor of Wan-Heng Investment Co., Ltd. Advisor of Heng-Sheng Investment Co., Ltd. Supervisor of Adelaide Pacific Co., Ltd.
Mr. I-hua Chang	Republic of China (Taiwan)	Director			Chairman & President of Shan Chih Asset Development Co., Ltd. Director of Tatung Industry Company Director of Cheng Sheng Broadcasting Corp. Director of Chunghwa Electronics Development Co., Ltd. Chairman of HEDA Biotechnology Co., Ltd. Chairman & President of Chih Sheng Realty Co., Ltd. Director of Kuender Co., Ltd.
Mr. Lung-ta Lee	Republic of China (Taiwan)	Director			Director & President of Shan Chih Semiconductor Co., Ltd. Director of Tatung Fine Chemicals Co., Ltd., Director of Green Energy Technology Inc., Chairman of Greater Power Ltd. Director of Tatung Company of Japan, Inc. Director of Phecda Technology Co., Ltd. Chairman & President of Chih De Investment Co., Ltd. Chairman of Ultra Energy Holdings Ltd. Chairman of Ultra Energy (Weifang) Technology Co. Ltd. Chairman of Shang Chih International Chemical Industry Co., Ltd. Chairman of Huaian Tatung Advanced Technology Materials Co., Ltd. Chairman of Wujiang Shanghua Material Technology Co., Ltd. Chairman of Wujiang Shang Huah Plastic Co., Ltd. Chairman of Dongguan Tongli Trading Co., Ltd. Director of Chih Sheng Investment Co., Ltd. Director of Chunghwa Electronics Development Co., Ltd.
Representative of Tatung Unviersity	Republic of China (Taiwan)	Director			-
Representative of Tatung Unviersity Mr. Huo-yen Chen	Republic of China (Taiwan)	Director			President of Tatung High School Applied Mathematics Associate Professor of Tatung University
Mr. Peng-fei Su	Republic of China (Taiwan)	Independent Director	0	0	Senior Vice General Manager in Investment Department, Cheng Ye Assets Management Co., Ltd., Independent Director, San Chih Semiconductor Co., Ltd., Independent Director, Vectorite Biomedical Inc.
Mr. Tzong-der Liou	Republic of China (Taiwan)	Independent Director	0	0	Distinguished Professor, College of Law, National Chengchi University, Director of Taiwan Administrative Law Association
Mr. Chi-ming Wu	Republic of China (Taiwan)	Independent Director	0	0	Associate Professor, Department of Finance, National Chengchi University, Independent Director, TSC Auto ID Technology, Independent Director, Ennoconn Corporation

►► Table 3.2-2 Major resolutions of the board of directors

Date	Major resolutions
2014.03.18	The board of directors resolved to convene the 2014 regular shareholders' meeting.
2014.06.17	The company plan to acquisition of CPT private placement common stock according to the arbitration award. New appointment of the compensation committee.
2014.12.30	The change of internal audit officer (Reason: retirement)

Audit committee

Tatung Co. has Audit Committee (which is responsible to Board of Directors) to review and assess the qualitative aspects of financial reports, the registered accounting firm's selection, independence and qualifications, the effectiveness of the systems of internal control system.

Audit Committee (functional)

The board of directors also has Audit Committee (functional) which is responsible for oversight of the Company Act, Securities and Exchange Act, and such other related laws and regulations.

Compensation committee

The Compensation Committee is responsible for approving the Compensation Committee Charter for intensifying corporate governance and consolidating the director and executive compensation programs. In regarding to the Board's performances, Tatung Co. evaluates the performances in accordance to "Corporate governance self-evaluation indicators" and reports the results to Audit Committee (functional).

Tatung Co. authorizes the board of directors to

determine the directors' traveling expenses and remuneration based on the contribution to the operations of the Company with reference to the domestic and outside the industry standards agreed. The president, vice president and associate adhere to the orders of the Board to deal with the company's business. The appointment, dismissal and remuneration are following the Companies Act. Allocation of rewards such as the company has a surplus, and the other in accordance with the provisions of Company Article 24. For more information, please refer to Tatung 2014 Annual Report, page 17-18.

Internal control system and internal control committee

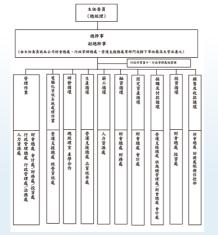
In order to promote the effective operation and ethical management of the company, Tatung Co. particularly established "Internal Control System". The mission is to:

- 1. Ensure the enforcement of company policies and rules.
- 2. Avoid the waste, lost and non-efficient use of assets.
- Ensure the accuracy of accounting and operating information.
- 4. Evaluate the performances for each division.

Internal control system covers all operations of Tatung Co., including accounting, finance, planning, organization, control and management, and information about sales, production, purchasing, materials, engineering, personnel and research and development. Tatung Co. follows "Regulations Governing Establishment of Internal Control Systems by Public Companies" proclaimed by Financial Supervisory Commission, dividing the business operations to Sale and receipt cycle, Purchase and payment cycle, Production cycle (environment, health and safety issue included), Labor and wage cycle, Finance cycle, Fixed asset cycle, Investment cycle, and Research and development cycle, as well as setting out the management controls for data access and other activities. Tatung Co. monitors and controls the system and operation procedures continuously by carrying out the internal auditing and review meetings of Internal Control Committee. Such practice can enhance the internal control system and optimize the efficiency of corporate governance. Figure 3.2-3 shows the organization of Tatung Co. internal control committee, Figure 3.2-4 shows Tatung Co. internal control system statement.

Internal control system is not only practiced in Tatung Co. but also practiced among Tatung Co.'s subsidiaries. The subsidiaries are graded into different levels according to their scales. Different levels have different audit frequencies.

In addition to internal control system, Tatuna Co. has introduced and maintained various of management systems in the factories for specific topics, such as ISO14001 (environment), OHSAS18001 (health and safety), ISO9001 (quality) and others. The factories follow the procedures of the management systems to review and update the related laws and regulations. At the same time, the factories conduct internal audit and management review to ensure the operations can comply with the laws and regulations. The administrative in headquarter also announce the latest and related regulations to the employees by publishing on the internal website and/or through e-mails. In this way, the employees will gain the knowledge of regulations and avoid breaching them at work.



▲ Figure 3.2-3 Structure of internal control committee



▲ Figure 3.2-4 Tatung Co. internal control system statement





▲ Figure 3.2-5 Regulation promotions on internal website

Risk management

When facing on rapid changing business environment and climate change, Tatung Co. assigns responsible departments to process risk assessment on significant topics. Table 2.4-1 shows Tatung Co. risk management structure.

Table 3.2-4 Tatung Co. risk management structure

Risk management	Bodies in charge	Responsibilities
Strategy & operation risk	Board of directors High level management Management of each factory and division	Stipulation and implementation of management policies. Assessment and analysis of operation performance.
Market risk	Sales unit of each factory and division	Business and sales promotions as well as market research and evaluation.
Financial & liquidity risk	Finance & Accounting Division	Final accounting of cost, funds allocation and control, and hedging of interest and exchange rates.
Legal risk	Lagal department	Process of litigation and non- litigation cases.

▶▶ Table 3.2-5 The risks and counter measures of Tatung Co.

		Table 0.2 of the fisks and cooffici frieds/or of fallong co.
Category	Item	Measure
Ethical management	Non-ethical behavior	 Tatung Co. states that the employees are prohibited to perform malpractices or accept gifts of others in regarding to their jobs on company rules, ethical corporate management best practice principles, and business ethics statement for group employees. Tatung Co. also establishes rigorous and effective accounting system and internal control system to prevent bribery and acceptance of bribes, illegal campaign contributions. The company has a mechanism of processing employees' complaints for employees' unethical conducts. The company maintains secrecy and inspects the reported contents as well as protects informants' rights and interest.
	Interest rate	 Derivatives can be used as a hedge against interest rate fluctuations for the company's long-term debts. When considering mid to long-term bond issues, the company carefully sets its target interest rate to lower its interest rate risks as much as possible. For example, the company's offshore exchangeable corporate bond issue offers a fixed interest rate, while its domestics secured convertible bond offers a zero coupon rate.
Finance	Exchange rate	The company has a natural hedge against currency fluctuation as its business involves imports and exports. It also utilizes derivatives to hedge the remainder of its foreign exchange position that is exposed to currency exchange risks.
	Derivatives treading	The management of risks involving derivatives are set forth in the company's "Operational Procedures for Derivatives Treading". The company also has an internal control system to supervise the loss limit of foreign currency transactions.
Legal	Changes in policies and laws	 The company carefully monitors any changes in local and foreign policies and makes appropriate adjustments in the company's internal control system and operations when necessary. The company's R&D units and financial department continues to avail of and seek various investment incentives, such as tax credit, granted by the Ministry of Economic Affairs and other government agencies.
Concentration of sales		The company will diversify its customer base in order to reduce the concentration of sales.
Markor	Concentration of purchase	The company will arrange for alternative sources for purchase in order to reduce the concentration of purchase.
Environment	Environment	 Continue to run environmental management system to elevate environmental performance. Conduct "Pollution Prevention Pays" program and internal control system to prevent the violations of regulation.
/ health and safety	Health and safety	 Continue to run occupational health and safety management system to elevate health and safety performance. Conduct "Disaster Prevention Pays" program and internal control system to prevent the violations of regulation. Conduct monitoring on operation site, job safety analysis and establish safety S.O.P.
	Carbon emission	Conduct GHG emission inventory and energy saving projects.
Climate	Water resource	Promote water saving projects.
change	Loss from disasters	Tatung Co. makes property insurance (all risk type) to transfer the risks. Tatung Co. also requests engineers to provide improvement recommendation for the potential flooding areas. The factories then enhance their preventing plans to reduce the level of losses.

Corporate Social Responsibility

Policy and management

Established in 1918, the foundation of the company is built on four fundamental values integrity, honesty, industry, and frugality. They are represented as the essence of the company's commitments to our stakeholders.

Mr. T. S. Lin, Chairman Emeritus of the company further extended the precepts behind these core values to serve as the guidelines for the company's continued success and prosperity.

To be able to fulfill corporate social responsibility and contribute to the progress of economy, environment and the community, Tatung Co. set "Tatung corporate social responsibility best practice principles" to manage the economy, environment and social risks and impacts in 2014. The principles act as a guidance for implementing corporate governance, sustainable development and the environment, the maintenance of social welfare, strengthening CSR disclosure. Tatung Co. yet to be established "CSR Committee", General Administration Division is responsible for promoting and managing the current issues related to corporate social responsibility.

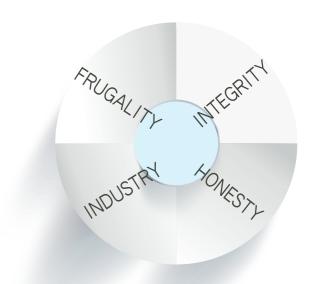
Disclose on non-financial information

In order to actively and effectively disclose Tatung Co. will publish corporate social company information and show the achievements in sustainable development, Tatung Co. followed GRI (Global Reporting Initiative) framework and started to publish "Tatung Corporate Environmental Report" since 2002. Starting from 2008, the environmental report renamed to "Tatung Corporate Sustainability Report" due to the balance of disclosed information. From 2015, with the request of the authority, we once again changed its name to report every year. "Tatung Corporate Social responsibility Report".

Industry-education cooperation

Shareholder responsibility

Customer satisfaction



responsibility report in June every year to be in accordance with our CSR best practice principles and the request by authority to disclose Tatung Co.'s performance in the economic, social and environment. The report works as a tool for communicating with stakeholders. Tatung Co. also encourages her subsidiaries to issue corporate social responsibility report. Currently CPT and GET also issue their corporate social responsibility

CH4-Supply chain management, product responsibility and customer service

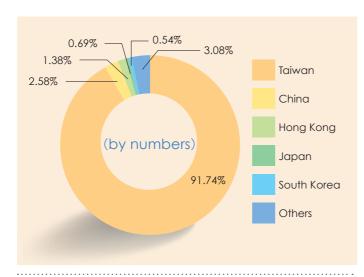
- 4.1 Supply chain management
- 4.2 Product responsibility
- 4.3 Sales and customer services

4.1 Supply chain management

Management

Tatung Co. believes that with good relationship with decent suppliers can make sure getting high quality parts/products to raise productivity to share the benefits to the customers around the world. Hence, Tatung Co. has "Supply Chain Management Division" in headquarter to be in charge of the selection and management on the suppliers. As for the management of suppliers in the subsidiaries, Tatung Co. conducts internal control to audit the management performance on suppliers in the subsidiaries.

Good quality, competitive price, on time delivery, and service are the first consideration when Tatung Co. purchases raw materials, parts and products. Tatung Co. requests her suppliers to include "Quality inspection check list" when deliver goods to ensure the quality. Tatung Co. also prefers purchase from local suppliers in Taiwan in order to support local business and fulfill social responsibility. The main suppliers are from Taiwan, followed by China. The details are list in Figure 4.1-4. Meanwhile, in order to maintain excellent product quality, Tatung Co. requests suppliers to use brand new materials in providing main materials, parts, and products.



▲ Figure 4.1-1 Sources of suppliers in 2014

On the other hand, Tatung also requsts suppliers to comply with corporate social responsibility by asking suppliers sign an agreement, as well as includes honest terms and human rights issues (including human rights, freedom of association, child labor, forced labor, etc.) in suppliers contract. Consumer BG has include CSR-related issues into supplier audit process. Tatung Co. will consider fully into each business group.

Supplier introduction and evaluation

Tatung Co. groups her suppliers into four categories; each category has its own evaluation standard. The introduction of the new supplier in Category I requires on site assessment by evaluation team. The assessment content mainly includes design, technical capabilities, quality management, manufacturing capabilities and management capacity. The introduction of the new supplier in Category II requires document review. For construction category, the introduction of the new supplier requires on site assessment. In addition, Tatung Co. also evaluates the management of hazardous substances (RoHS and REACH), conducting safety measures for hazardous job, and implementation of environmental management system as an extra evaluation for introduction of a new supplier.

►► Table 4.1-1 Category of suppliers and introducing procedures

lable 4.1-1 Category of suppliers and introducing procedures						
Category	Classification criteria	Introducing procedure	Management			
Category I	 Important materials (parts, components, half-ready products, and products). ODM/OEM Outsourcing (including full case, manufacture only, product only). Significant to product quality that need intensive management and tutoring. 	 On-site assessment Sign procurement contract Sign supplier declaration 	 Monthly assessment¹ Annually reevaluation² 			
Category II	 Suppliers, who provide raw materials, ready to sale products, imported components, with less quality risks. Suppliers who are world famous company with top capability in product and QA/QC. 	Document review Sign procurement contract Sign supplier declaration	Monthly assessment ¹			
Construction	Suppliers who build factory, apartment, office building, system installation, or repair project.	On-site assessment or document review for existed cases Sign procurement contract Sign supplier declaration	Evaluation after the case is completed			
Others	 Suppliers who provide office appliances, hard wares, software, waste disposal, verification, etc. Suppliers who provide instruments or equipments. Technical maintenance service. 	Sign procurement contract Sign supplier declaration	Monthly assessment ¹			

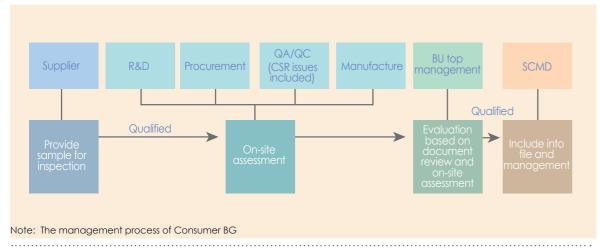
Note 1: Increase or decrease procurement amount based on the result of monthly assessment.

Note 2: Maintain business or search for second source based on the result of re-evaluation.

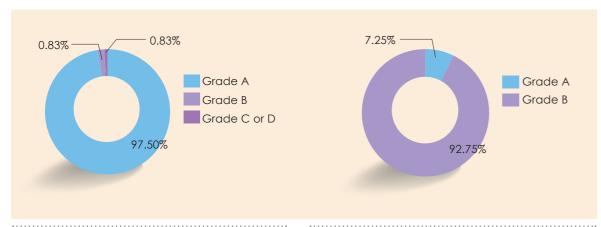
The detailed management measures are shown on Table 4.1-1 and Figure 4.1-2. The assessment result above B grade of a supplier can then be introduced. All categories of supplier are required to sign procurement contract and declaration.

Suppliers are implemented monthly assessment in aspect of quality, delivery, price, and service (Figure 4.1-3). Any non-conformities will be requested to correct. Another annually re-

evaluation is periodically implemented for main components suppliers and outsourcing vendors. Tatung wishes the suppliers who collaborate with us can grow together. As for the safety of the service-providing suppliers (construction, waste disposal, repair) who operate in the factories and subsidiaries, Tatung Co. implements "Tatung Health and Safety Management Method for Contract Suppliers" to reduce the risk from accidents.



▲ Figure 4.1-2 Supplier management process



▲ Figure 4.1-3 Result of supplier monthly assessment in 2014

▲ Figure 4.1-4 Result of supplier annually re-evaluation in 2014



ISO9001 certifications

TAF certifications

4.2 Product responsibility

Quality management

Product quality and safety is the keystone of sustainable operation for a company. By providing high quality and safe products can build the brand image, enhance competitiveness and create high-profit, low-risk business model, and achieve a winwin situation for consumers and company. Based on this philosophy, the products and factories of Tatung Co. have established ISO 9001 Quality Management System and passed the verification, as shown in Table 4.2-1. The system can implement standardization, deviation reduction, as well as a tool to pass down the knowledge and experiences internally. In addition, they system can enhance the management capability, product quality stability, reduce product defect rate and reduce complain. The system can also enhance confidence of customers, thus expanding the market and enhancing competitiveness.

Other than the management system, Tatung Co. has Calibration Lab and Tatung Environmental Research Center in headquarter. These two laboratories provide accurate measuring and calibration test services and hazardous substances testing service. Other than those, Tatung Co. has Transformer Testing Lab, Switchgear Testing Lab and Air Condition Facility Testing Lab in the factories (as shown in Table 4.2-2) to provide the assurance of excellent quality.

Table 4.2-1 Tatung product acquired ISO 9001

Factory	Registered product	Register date
Taoyuan 1st Plant	ISO 9001:2008 → Window mounted air conditioners, separated type air conditioners, dehumidifiers, box shaped air conditioners, water cooling central air conditioning systems, rice cookers, electric fans, refrigerators.	1993.12.09
San-Hsia Factory	ISO 9001:2008 \rightarrow Generators (less than 10,560KVA), electrical motors (500HP and above), electrical motors (less than 500HP).	1993.12.14
Tayuan Plant	ISO 9001:2008 → Oil-immersed transformers (below and including 245KV), Oil-immersed reactors (below and including 345KV), Oil-immersed potential & current transformers (below and including 69KV), Dry type transformers (below and including 36KV), Dry type reactors (below and including 36KV), Cast resin dry type transformers (below and including 36KV), Cast resin dry type potential & current transformers (below and including 36KV), High voltage & low voltage metal-enclosed switchgear & control gear (below and including 72.5KV), Metal-clad switchgear (below and including 36KV), Motor control center (below and including 36KV), Metal-clad switchgear (below and including 15KV), Metal-enclosed low voltage power circuit breaker switchgear(below and including 600V), Distribution board (panel) (below and including 600V), Rectifier (below and including 600V), Cas insulated switchgear, Capacitors, Watt-hour meters.	1994.08.03
Taoyuan Wires and Cables Plant	ISO 9001:2008 → Power wires and cables (including cross-linked polyethylene insulated shielded power cable rated 161 KV and below), bus-way, electronic wires, telecommunication wires and cables, optical fiber cables, bare copper wire, enameled copper wires, tinned single solid copper wire.	1994.07.23
Crystal Growing Center	ISO 9001:2008 → Multi-crystal silicon ingots	2011.12.27

▶▶ Table 4.2-2 TAF certified laboratories in Tatung Co.

Name of laboratory and certification number	Testing item	Date of certification				
Calibration Lab L0003-120207	Measuring and calibrating of products	1993.12.09				
Tatung Environmental Research Center L1697-131009	Waster quantities and quality, hazardous substances of electric and electrical products	1993.12.14				
Tatung Transformer Testing Lab L2306-130411	Transformer testing	1994.08.03				
Air Conditioning Facility Testing Lab L2270-140417	Cooling capacity and EER of air conditioners	1994.07.23				
Tatung Switchgear Testing Lab L2308-140316	Switchgear testing	2011.12.27				

Product safety and labeling

Product safety

Most of the countries make the laws and regulations in regarding to product's quality and safety in order to protect their citizens. Brand owners must pass all the tests and acquire certifications then can put their products into markets. In order to comply with related regulations among the world, Tatung Co. designs and manufactures the products (including ODM/ OEM products and accessories) to meet the requirements of the regulations. Before the bulk production, the samples must pass the tests and managed by SAP management system. After all the test results have met the requirements, bulk production and sales then can be made. Table 4.2-3 lists the relevant regulation requirements, standards and verification internationally adopted by Tatung Co.

In addition, for the defected products from the design or manufacture stage, Tatung Co. makes recall on BSMI official website1, medias and TCPC website2 to prevent the consumers getting harmed from further using of such products. For the problem occurred, Tatung Co. will strengthen overall quality control in supply chain, also conduct Design/Process Failure Modes and Effects Analysis (DFMEA / PFMEA) and incorporated into Design Guideline Check List measures to prevent recurrence. Tatung Co. will do the best for providing consumer healthy, energy-efficiency, and safe products. In 2014, two violations against Regulations Governing Registration of Product Certification, the mitigation measures were implied (shown on Table 4.2-4).

Note 1: BSIM official website http://safety.bsmi.gov.tw/wSite/lp?ctNode=4735&CtU nit=2583&BaseDSD=7&mp=65

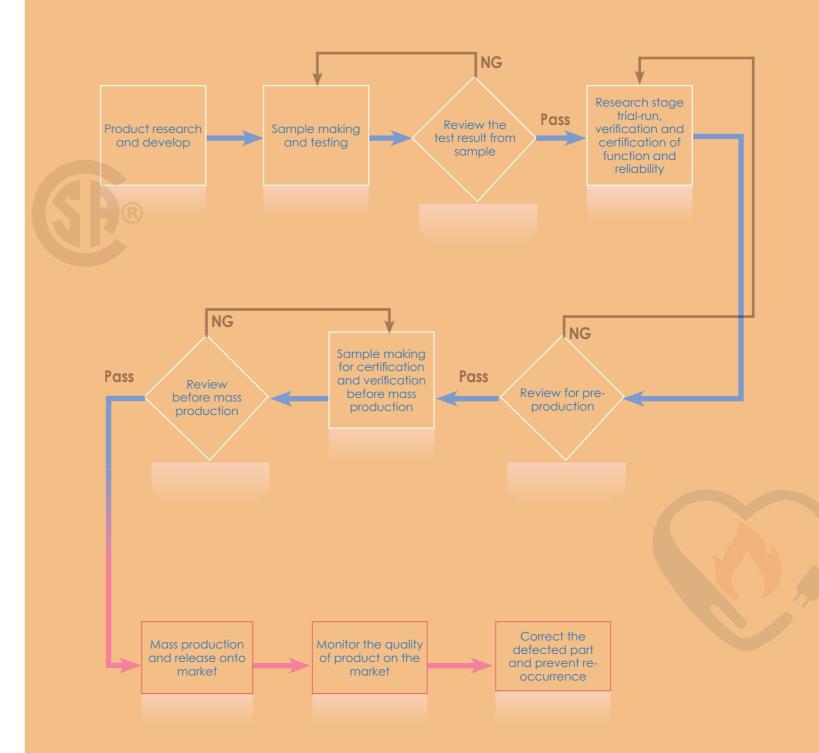
Note 2: TCPC official website http://tcpc.tatung.com

Table 4.2-3 Standards, certifications and verifications acquired by Tatung Co

Power BG	CNS Standards, China Compulsory Certification, Canadian Standards, American Safety Standards, ETL Verification, EU Network System Verification, Japan PSE Certification, Green Mark, etc.
System BG	ANSI International Certification, IEC International Certification, DLMS/COSEM Conformance, etc.
Consumer BG	CNS Standards, China Compulsory Certification, American Safety Standards, U.S. Federal Communications Commission for Telecommunications, Product Inspection Label from BSMI, Japanese Emissions Control Standards, Green Mark, Energy Label, Water Label, etc.

▶▶ Table 4.2-4 The mitigation measures taken for against registration of product certification in 2014

Product and its model number	Cause	Fine (NTD\$)	Mitigation measure	Prevention measure
Low voltage single phase motor SKD- DBK	Mistakenly registration model number (SKD-DB)	0	Corrected BSMI registration	Double checking registration information for new product (including series models)
Water dispenser TLK-8667	The supplier did not produce the dispenser in accordance to the regulation.	0	Ceased to sale and refunded to customer. Stopped to work with that supplier.	Added a S.O.P. for checking conformity of BSMI for house appliances (including important parts) before receiving from suppliers.



- ★ Few models of dehumidifiers (Figure 4.2-1) manufactured in 2007 are recalled since 2007 due to one defected part provided by a supplier. Such defected part will cause unexpected accident while the machine is running. Consumers who have these particular models, please make a phone call to Tatung Co. or TCPC and the specialist will visit your place for service free of charge;
- ★ one of the fluoresced lamps (Model: LS-3U21WD) (Figure 4.2-2), batch number 0904, 0905 and, 0906, is recalled due to parts problem. All the consumers will have the defected lamp replaced with a new one when they bring the defected one to any of Tatung 3C Stores;
- ★ two models of electric water boilers (TLK-52Y and TLK-56Y) with the production number list on Table 4.5-4, some parts has quality issue and the customers can take the boiler to TCPC to replace the part for free of charge.



▲ Figure 4.2-1 Dehumidifiers that need to be recalled



▲ Figure 4.2-2 Fluoresced lamp that need to be recalled

Table 4.2-5 The water boilers that need to be inspected and replaced part

Model No.	TLK-52Y	TLK-56Y
Production No.	3AY7094****	3AY8094****
Production No.	3AY7097****	3AY8097****
Production No.	3AY7098****	3AY8098****

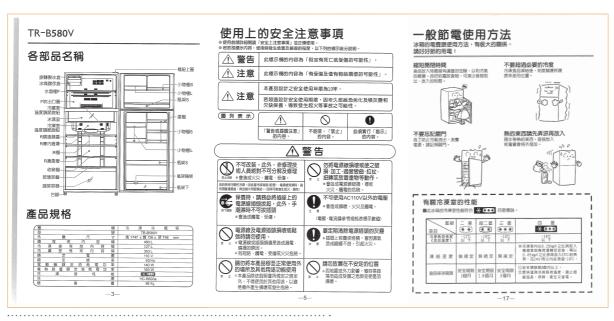


Product labeling

In order to let consumers use the products safely, correctly, and avoiding safety issue due to incorrect operations, BSMI announced guidelines for electrical product labeling. Tatung Co. follows the guideline and label the required information on the products or on the package or on the instruction manual. In addition, Tatung Co. also includes the instruction guide, maintenance guide and notice in the packages (as shown on Figure 4.2-3). Such information is also provided on TCPC official website (as shown on Figure 4.2-4).

Tatung Co. has responsible department for the management, review, and monitor of product labeling, as well as takes part in BSMI market survey to ensure the correct labeling.

Although Tatung Co. has put lot of efforts on product labeling, unfortunately, there were still four violations (Table 4.2-6) in 2014. The main reason for these violations was due to Tatung Co. labeled importer/manufacturer as "Tatung Co." instead of separately label them. Tatung Co. immediately corrected these mistakes after informed by BSMI, as well as made these violations as case study to avoid re-occurrences.



▲ Figure 4.2-3 Product labeling and instruction (e.g. refrigerator)



▲ Figure 4.2-4 TCPC provides product information and manual on the official website

Label of sustainability on products and services

	Yes	No
Manufacturer, ODM/OEM, importer	V	-
Hazardous substances (RoHS) ¹	$\sqrt{}$	-
Safety instruction	$\sqrt{}$	-
Disposal treatment	V	-

Note: Products exported to EU.

Table 4.2-6 Violations against labeling regulation in 2014

Violation	Fine NTD\$	Corrective measure
Did not label manufacturer/importer and address.	0	 Correct label immediately. Make these
Did not label manufacturer/importer and address.	0	violations as case study to avoid re- occurrences.
Did not label manufacturer number on the packaging box.	0	
Did not label manufacturer/importer and address.	0	
	Did not label manufacturer/importer and address. Did not label manufacturer/importer and address. Did not label manufacturer number on the packaging box. Did not label manufacturer/	Did not label manufacturer/importer and address. Did not label manufacturer/importer and address. Did not label manufacturer number on the packaging box. Did not label manufacturer/

4.3 Sales and customer service

Anticompetitive behavior

The commercial advertisements and promotion that made by Tatung Co. are all complied with the regulations. There is no violation against the regulations I regarding to advertisements and on sale promotion in 2014. Tatung Co. also encourages the employees to participate in seminars regarding to anti-trust and fair trade topics. Besides, Tatung Co. also requests her dealers to avoid malicious price competition behavior or intent to harm the image of Tatung Co.

Wide-spread service locations

Tatung Co. has been since the start that uphold "the customer first", "having only one phone call, the service is to" aims to provide fast and excellent services to customers. Tatung Co. lists the service channels on the official website for all the business, including TCPC, information (OA), large-size air conditioners, power equipment, smart grid business, and system solution business. Tatung Co. entrusts her subsidiary company "TCPC" to provide a comfortable shopping environment as well as excellent after-sale services to consumers. TCPC has 237 Tatung 3C Store, the service ranges from cities to countries, providing professional recommendations on purchasing house appliances and repairing services. In addition, TCPC launched "Tatung fast-repair Center" to provide even faster and better services since 2009. All the technicians are well trained, experienced and acquired national licenses.

In order to provide a more convenient customer service, TCPC provides online service. Consumers can access Tatung Co. official website¹ or TCPC official web site² to make service request (Figure 4.3-1). The system will assign the service request to the accordance service station and provide rapid and high quality services. At the end of each case, customers are able to provide any positive or negative feedbacks by filling the online survey which will be used for future improvement. Figure 4.3-2 shows the flowchart of Tatung online service. To extend the channels for listening to the customers, Tatung Co. also provides an online feedback service³ which customers can ask questions, express their opinions and give positive feedbacks to Tatung Co. and TCPC (Figure 4.3-3).

Note 1: http://www.tatung.com/Customer/Index?langCN=TW

Note 2: http://tcpc.tatung.com/Service/Repair01 Note 3: http://tcpc.tatung.com/Contact/Create



▲ Tatung 3C Stores



▲ Figure 4.3-1 Product online service form



▲ Figure 4.3-2 Flowchart for online service

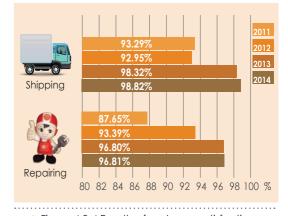


▲ Figure 4.3-3 Online feedback form

Management on customer information and satisfaction

Tatung Co. follows "Personal Information Protection Act" to protect the information that customers provided during purchasing or servicing. The information will not be delivered to other organizations without having consent from the customers. There was no complaint about information leaking from the customers in 2014.

Tatung Co. takes great concern about the customer satisfaction. When a customer needs shipping service after purchasing products or approaches Tatung 3C Stores to repair products, Tatung Co. will make his/ her information to phone interview list and interview about the shipping or repairing experience. If the feedback is unsatisfied, Tatung Co. will conduct a second service or make improvement. TCPC sets targets for shipping and repairing satisfaction (for consumers) which are not lower than 98% and 92% respectively in 2012. The result for shipping service was 98.82% satisfied and for repair was 96.81% satisfied in 2014. Both results were over the taraets.



▲ Figure 4.3-4 Results of customer satisfaction

CH5 Social performance

- 5.1 Human rights and antidiscrimination
- 5.2 Employees' code of ethics
- 5.3 Employee composition, career development and benefits
- 5.4 Health, safety and disaster free
- 5.5 Participation and benefits to the society

5.1 Human rights and antidiscrimination

An equaled working environment

Tatung Co. takes great concern on human rights. All employees, applicants and contract workers are treated with dignity, fairness and respect regardless of their race, religion, skin colors, genders, marriage status, disables, member of union, birth place, and nationalities etc. Commitments of respect and ensure the benefits of labors, fulfill social responsibility and comply with regulation are clearly stated in the Labor Policy. Tatung Co. hires one handicapped worker per every 100 workers and provides equal opportunities for minority groups. On the recruiting network and the human resource banks Tatung Co. also makes the announcement of "Handicapped and aborigines are sincerely welcome" to declare our determination on anti-discrimination. Tatung Co. also established "Anti-sexual harassment Regulation" and published on the internal website. Sexual harassment in any forms is prohibited in any working places in Tatung Co. There was no discrimination and anti-human right incident in 2014. Tatung Co. will continue to promote anti-discrimination policy in the company to prevent discrimination.

Trainings on human right

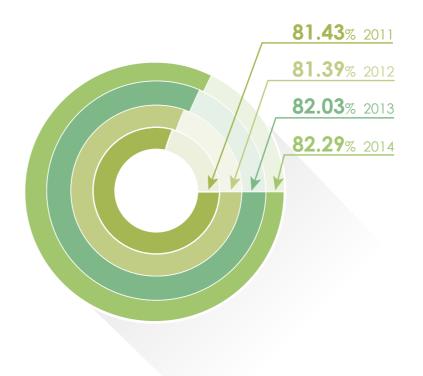
The vision of Tatung Co. is to fulfill the social responsibility. Tatung Co. actively involves in social welfare activities, respects and cares for life. Although there is no particular human rights education and training courses for the employees currently, but the lecturers will be stressed in the course of new employees to treat people the truth, respect for individual differences and avoid prejudice and discrimination and abide by equality, justice, empathy heart, affinity, and to show the principles of the company staff from top to bottom to understand and practice the true meaning of human rights. As for security personnel, education in regarding to respect the employees' emotion and wills is given before carrying out their duties. This is not only ensuring the employees' human rights but also making security duties go smooth.

Freedom of association

The employees of Tatung Co. founded "Tatung Co. Labor Union" in 1959 for the purposes of taking care of labors' rights, improving labors' living standard, conducting collective bargaining, etc. Each employee who is 16 years old or older has freedom choice to be the member of the union. Currently Tatung Co. has totally 5 labor union distributed in the HQ and factories. Tatung Co. does not interfere the wills of the employees to join labor union; hence the percentages of employees joining labor union are always over 80%. In 2014, 82.29% of employees are the members of labor union (Figure 5.1-1).

Child labor and forced labor

Tatung Co.'s hiring policy is complied with the related regulations. Hiring child labor is not allowed by Tatung Co. In "Company Rules" defined the working hours for a day and for a week. If there is necessary to adjust or prolong the working hours, the practice only can be implemented after getting the agreement by the labor union or the employee. There is no force laboring situation in Tatung Co.



▲ Figure 5.1-1 Percentage of employees who are labor union member

5.2 Employees' code of ethics

Tatung Co. upholds the principles of "integrity, honesty, industry, and frugality" and prohibits any improper behavior and financial dealings. In 2014, Tatung Co. established "Tatung ethical corporate management best practice principles" to prohibit every member in the company from doing non-ethic behaviors. Tatung Co. requests the employees not to take advantages in any form at work, nor make external leakage of the technical and business content in the Company Rules. Tatung Co. also established internal control measures such as internal control system, scheduled and unscheduled audit of the internal control committee and audit committee. The contracts signed with the suppliers are added the requirements such as shall not bribe or provide improper benefits to Tatung Co. employees. If there is any corruption case, Tatung Co. will pursue its legal responsibility to put an end to the corruption. No corruption case was happened in 2014.

In 2014, Chairman of Tatung Co. suffered adverse judgment due to violation of Security and Exchange Act. Tatung Co. believes that Chairman is innocent and support Chairman to propose an appeal. Company operations are not affected by this case. In April this year, media reported Tatung Co. employees were involved in Taipower Company procurement corruption case. Tatung Co. thinks the company has nothing to do with it and will

fully cooperate with judicial investigation. At the meantime, Chairman and President of Tatung Co. made a declaration to the managers and employees to follow ethical code of conducts of the company.

In addition, Tatung Co. has set up S.O.P. for internal dealing of matters of significance and passed to the employees, directors and managers.

▶▶ Table 5.3-1 Employee compositions of Tatung Co. (by ages)

		Younger than 30		30-	30~50		er 50
		Male	Female	Male	Female	Male	Female
	2012	550	123	1,773	587	833	192
No. of employees	2013	456	141	1,727	574	813	191
	2014	362	122	1,606	530	739	176
	2012	45	0	623	123	264	17
No. of managers	2013	23	3	611	127	263	27
	2014	26	0	610	123	242	28
	2012	7.34	1.40	5.79	1.21	0.86	0.00
Percentage of new employee hires (%)	2013	3.49	1.05	4.10	1.18	0.21	0.03
, , , , ,	2014	3.93	1.24	5.04	1.27	0.57	0.03
	2012	4.71	0.79	7.27	1.87	2.51	0.39
Percentage of employee leaving (%)	2013	4.20	0.56	7.38	1.69	2.51	0.67
3 (1.7)	2014	5.77	2.18	9.00	2.29	4.02	1.05

5.3 Employee composition, career development and benefits

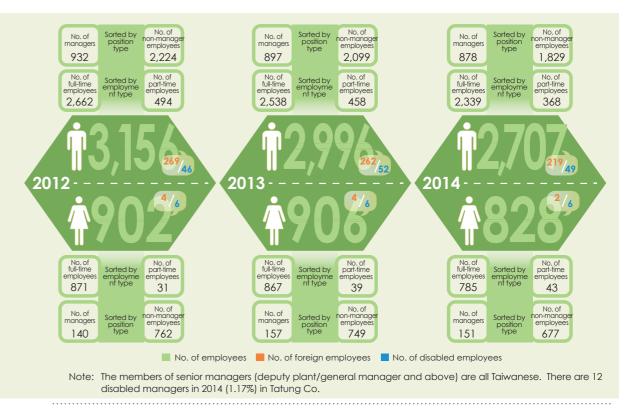
Employee diversity

The recruitment policy of Tatung Co. holds equality as the central concept; only capability is taken into account when recruiting an employee. Every division/factory evaluates the potential developed situation to propose a human resource budget and authorized by the president. When there is an empty position, the division/factory proposes a request to HR department based on the human resource budget. HR department will then start to process the recruiting procedure from different channels. Every recruiting procedure is complied with the regulations. Table 5.3-1, Figure



▲ Figure 5.3-1 Percentages of local and foreign employees

5.3-1, Figure 5.3-2 demonstrate the employee compositions of Tatung Co. In 2014, Tatung Co. recruited more than 93% of local employees and more disable employees than the requirement by the regulation which protects disables' right to work.

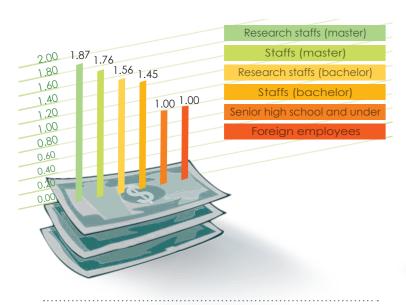


▲ Figure 5.3-2 Employee compositions of Tatung Co. (by genders)

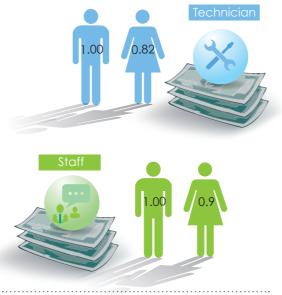
Basic salary and performance review

Due to the deterioration of the employment environment, the starting salary for freshmen is generally low in recent years. Tatung Co., as a deep plowing corporation for nearly a century in Taiwan, well protects the salaries and benefits for her employees. Tatung Co. enacts its rules and regulations on "Company Rules" and discloses the structure of the salary and methods of payment, so that all the employees understand their rights and interests. Based on the concept of equality among genders, the basic salary and allowance between female employees and male employees is 1:1. For different employment types, the ratio of basic salary and legal salary for technicians is 1:1; for staffs is from 1.45~1.87:1 based on different job types, specialty and qualifications. For average salary, the female employee to male employee is 0.82~0.8:1.

Every employee's performance is reviewed regularly based on "Performance management method". The reviewed result is used as the base for training, promoting, salary adjusting, bonus earning, and hiring. The method ensures reasonable alignment between employees' salary and labor contributed.



▲ Figure 5.3-3 The ratio between basic salary and legal salary for different employment types



▲ Figure 5.3-4 The ratio between female and male employees (by employment type)

Parental leave

Tatung Co. takes great concern on employees' family life and care for next generation. Tatung Co. not only provides cash gifts for giving birth but also offers all employees maternity and parental leave in accordance to regulations. The statistics on parental leave in 2014 is shown in Table 5.3-2.

▶ ► Table 5.3-2 Tatung Co. parental leave statistics

	Male	Female
Application for parental	leave	
Total number of employees that took parental leave in 2014.	4	11
Total number of employees that shall end parental leave in 2014.	3	5
Total number of employees who returned to work after parental leave ended ¹ ·	1	3
Return to work rate	33%	60%
Retention rate		
Total number of employees that applied and returned to work in 2013.	0	2
Total number of employees who returned to work after parental eave ended who were still employed 12 months after their return to work in 2013.	0	2
Retention rate	N/A	100%

Note 1: Changed job due to personal career planning.

Post-employment benefits

Tatung Co. adopts "Defined contribution plan" and "Defined benefits plan" as her postemployment benefits. For "Defined contribution plan", Tatung Co. makes monthly contributions of no less than 6% of the employees' monthly wages to the employees' individual pension accounts in accordance with the Labor Pension Act. For "Defined benefits plan", Tatung Co. contributes an amount equivalent to 2% of the employees' total salaries and wages on a monthly basis in accordance to Labor Standard Act to the pension fund deposited at the Bank of Taiwan in the name of the administered pension fund committee. In addition, if an employee is unable to continue working in the company due to his/her own factor, Tatung Co. gives retirement benefits for his/ her efforts but into the company. For detailed post-employment benefits, please refer to Tatuna 2014 Annual Report¹ page 366~369.

http://www.tatung.com/en/f_download/2014Annel%20report_en.pdf



▲ Figure 5.3-5 Expenses under the post-employment benefits

Procedure for complaints and shortest notice period

Tatung Co. has "Measure of processing employees" complaints" and other practices (Table 5.3-3) in place for the employees to complain about any dispute and provides a channel to deal with. Table 5.3-4 shows the amount of losses due to labor relation disputes in recent 3 years. Tatung Co. sets the minimum notice periods regarding to operational changes on "Company work standards".

		Table	5.3-3	Labor	relation	measures
--	--	-------	-------	-------	----------	----------

Management of labor relations	Measures
	Measure of processing employees' complaints
	Employees' mail box
Channels for employees to voice dissent or communicate with	Voice out opinions in training courses
management	Present proposals during Q.C. activities
	Communication during regular/ special meetings between management and the labor unions

Table 5.3-4 The amount of losses due to labor relation disputes

Voor	Amount of losses
Year	(NTD: dollars)
2012	0
2013	0
2014	0

Table 5.3-5 The shortest notice period

	Shortest notice period
Work for 3 months~1 year	10 days
Work for 1~3 years	20 days
Work for more than 3 years	30 days

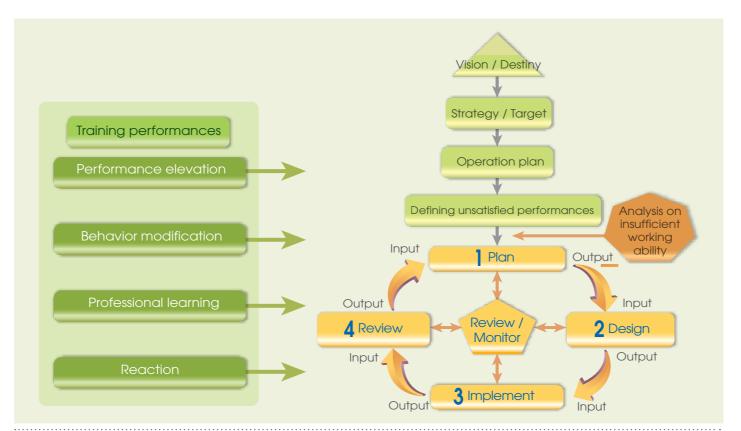
Education and career development

Education and training target

Tatung Co. pays enormous attention on employee's professional development and encourages self-learning. Tatung Co. actively organizes Industry-education cooperation with Tatung University and Tatung High School. "Study Center" is responsible for education and training affairs in Tatung Co. Tatung Co. takes TTQS (Taiwan TrainQuali System) as guidance to develop her strategy and target as well as combine internal and external resources to provide high quality of operation and specialized training programs to the employees. Such training and education

system can assist the occupation development of the employees to create advantages on business competition.

Study Center has established and published "Manual for education and training" as guidance to run education system on daily basis. The manual incorporates Tatung Co.'s management philosophy, human resource policy, and indicators of TTQS to establish education and training plan, design, implement, review, outcome to improve the performances continuously of the organization. Tatung Co. awarded TTQS Bronze Medal this year. Figure 5.3-6 shows human resource development system.



▲ Figure 5.3-6 TTQS strategic human resource development system



Tatung Co. awarded with TTQS bronze medal



Education and training system

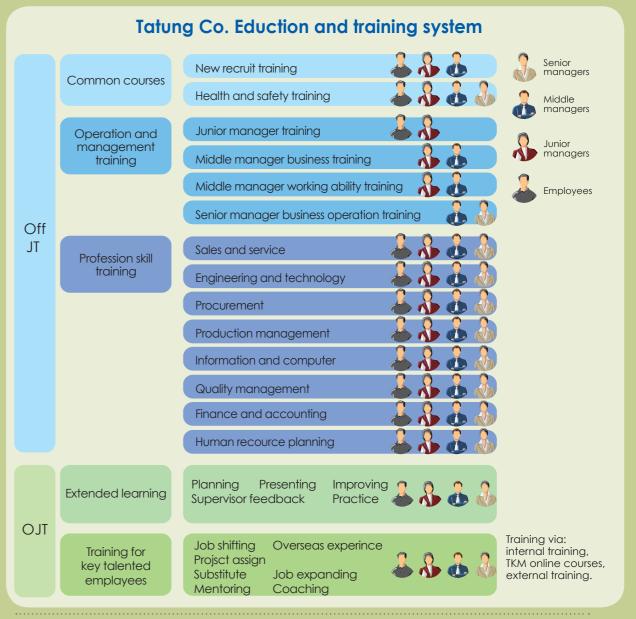
Tatung Co. has established employee education and training management system in accordance to company's strategy development and human resource policy. The system sets up the training and education scope, personnel, and education steps in order to enhance the professions of the employees and improve the performances. The system is shown as Figure 5.3-7.

Study Center incorporates with human resource departments in the business groups to provide various education and training resources to the new recruits and the employees. The courses across from the area of human resources management,

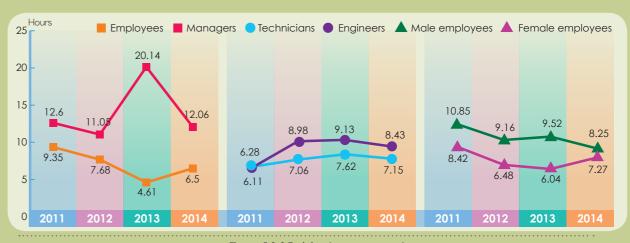
information and communication, tax and audit, technology management, environmental protection, health and safety, sales skills, quality management, and other specialized working skills. The education/training practice creates a winwin situation for the company and her employees. Table 5.3-6 shows the training hours of directors and managers in 2014. Figure 5.3-8 shows the number of employees and the hours spent on education and training in 2014.

Table 5.3-6 Training of the management members

	Date and type of course	Hours
	2014/3/18- Business decision	3
Chairman / Wei-shan Lin	2014/8/18- Ethic and CSR	3
	2014/11/20- Corporate governance	6
President / Wen-yen K. Lin	2014/3/18- Business decision	3
Director / Wei-tung Lin	2014/12/9- CSR and corporate governance	3
Director / I-hua Chang	2014/3/18- Business decision	3
Director / Lung-ta Lee	2014/3/18- Business decision	3
Director (Representative of Tatung University) /	2014/3/11- Evaluation on board of directors	-
Huo-yen Chen	103/3/18- Business decision	3
Independent director / Peng-fei Su	2014/3/18- Business decision	3
Independent director / Tzong-der Liou	2014/12/23- Running of functional committee	3
Independent director / Chi-ming Wu	2014/9/26- CSR	-
Senior general manager / Wen-chieh Peng	2014/3/18- Business decision	3
Financial officer / Ruei-kai Jhang	2014/3/18- Business decision	3
Accounting officer / Shu for Chan	2014/3/18- Business decision	3
Accounting officer / Shu-fen Chen	2014/11/5~6- Specialized accounting course	12



▲ Figure 5.3-7 Tatung Co. education and training system



▲ Figure 5.3-8 Training hours per employee





Managers training classes

Professional training classes









 Training information posted at entrances

Education information is posted on OA website





Welfares

Tatung Welfare Committee handles a broad range of employee welfare issues including: daily activities, financial assistance for education, funeral assistance, and interest free installment loans. Table 5.3-5 shows employees' welfare implemented in the factories and subsidiaries.

Besides, in order to provide female employees a more comfortable and more convenient way to nurture the next generation without having to sacrifice their own work, or to increase their physical or psychological unnecessary burden, Tatung Co. set up a nursery room for postnatal breast-feeding employees. It is also the company's most intimate birth gift for female employees.



Nursery room in the headquarter

Table 5.3-7 Employees' welfare

Employees' welfare	Implementation						
Stock ownership	Tatung Co. subsidized employees to buy corporate stocks since 1992 as part of their savings.						
Subsidies	Education subsidies for employees' children in senior high school and college / university; funeral subsidies for colleagues or their spouses and immediate relatives; financial subsidies for death of employees; cash gifts for weddings and birthdays of employees and their children's birth, subsides for employee tour, subsides for retirement pensions.						
Restaurants	Restaurants, noodle stands, fruits shops and grocery stores are provided in Headquarter and factories/subsidiaries.						
Benefits	Employees can purchase Tatung products via zero-interest installments and price discounts on groceries in corporate stores						
Club activities	Tatung Co. organizes education, recreation, physical education, computer, languages, hiking/mountain climbing and photography clubs to provide variety of social activities after work.						
Health and safety plan	Labor insurance, health insurance, group insurance, retirement pension, free annual health check-up, oversea business trip insurance.						
Retirement plan	Equal or better than regulation.						

Health promotion and disease prevention

Tatung Co. believes that the health of the employees and their families is a kind of assets to the company. Tatung Co. organizes numerous health speeches, seminars, health checks to let the employees understand the importance of their health and promote to their families. The concreted measures are follows:

Clean air, healthy and happy workplace

smoking in workplace increases the risk of fire incidents. Smoking within the boundary of the companies/factories has always been prohibited. The employees, contractors, and visitors are not allowed to bring cigarettes, matches and lighters into the company. Tatung Co. also clearly posts/marks "NO SMOKING" notice in the meeting room, at entrances and exits. The reason for Tatung Co. doing this is to build a clean air and healthy workplace for everyone.

2. Welfare Committee

Smoking has been proven to have regularly organizes the negative effects to the harm physical and cultural activities to encourage the employees having healthy living. It also establishes aerobic fitness club to provide employees physical activities to stretch and relieve pressures in their spare time.

3. Health examination fair

Tatung Co. works with Health Center of Zhongshan District of Taipei City to organize Health examination fair on a yearly basis. The specialists from Taipei City Hospital are invited to the company to do high blood pressure, hyperlipoidemia and high blood sugar screening, oral cancer screening, and cervical smear, breast cancer screening for women. Tatung Co. also arranges high-quality health check annually in order to find out any premature diseases and treat them in advance to protect employees' health.

5. Tatung Co.

runs first-aid/CPR courses every year to enhance employee's ability.

4. Tatung Co.

organizes health promotion organizes health promotion seminars and also publishes diseases on the company The information contains not also the preventions and also the preventions and treatment channels.

Health and serious disease seminars in 2014:

Fist aid training, 96 certified employees were retrained in 2014.

Employees regular health check

By carrying out regular health check can find out potential diseases in advance to heal early. 354 managers and 647 employees (including part of subsidiaries) were given health check in 2014

Health fair

Tatung Co. works with Zhongshan district Health Service Center to organize Health Fair in the company to provide free health check items for the employees.

Organized health speech for the employees' health knowledge and awareness in the headquarter and the factories (Table 5.3-9).

Table 5.3-9 Health activities held in 2014

		·····	JIE J.J-7 HEUIII	 			
Time	Subject	Organizers	Location	Time	Subject	Organizers	Location
2014.01.01	Health Concerns	Health center/	Headquarter	2014.07.21	Annual health examination of managers	Headquarter	Headquarter
2014.01.06	Emergency Response & First Aid Training	Headquarter	Headquarter	2014.08	Health Class	Taoyuan 1st Plant Plant/Taoyuan	Taoyuan 1st Plant
2014.01.15	Mandatory Influenza Vaccination	San-Hsia Factory	San-Hsia Factory	2014.08.05	Annual Health Evaluation & Special Health	General Hospital Infirmary	San-Hsia
2014.01.21 & 2014.06.27	Blood Donation Activity	Headquarter	Headquarter	2014.08.07	Evaluation New Staff Health and	,	Factory San-Hsia
2014.01	Visually impaired massage	Taipei Parents' Association	Headquarter	2014.08.21	Safety Education and Training	San-Hsia Factory	Factory
2014.12	visually impalied massage	for the Visually impaired	·	2014.09	Health Class	Taoyuan 1st Plant	Taoyuan 1ST Plant
2014.01	Noise Track Examination	Taoyuan Wires and Cables Plant	Min-Sheng General Hospital	2014.09.18	Health Improvement Lecture-Prevention of Hemorrhoids	Taoyuan Wires and Cables Plant /Infirmary	Taoyuan Wires and Cables Plant
2014.02	Environmental Noise Level 2 Management-Personal Health Instruction	Taoyuan Wires and Cables Plant	Taoyuan Wires and Cables Plant	2014.09.25	CPR+AED First aid training activities	Headquarter	Headquarter
2014.02.17	AED training	San-Hsia Factory / Infirmary	San-Hsia Factory	2014.09	Health check numeric exception tracking and management of health	San-Hsia Factory / Infirmary	San-Hsia Factory
	Prevention of High Blood			2014.10	education	пшти	raciory
2014.03.07	Pressure, Blood Sugar, and Health Improvement Lecture	Headquarter	Headquarter	2014.10	Fecal Occult Blood Test	Taoyuan 1st Plant	Taoyuan 1st Plant
2014.03.20	Health lecture	Taoyuan Wires and Cables Plant/ Infirmary	Taoyuan Wires and Cables Plant	2014.10	Annual Health Evaluation & Special Health Evaluation	Taoyuan 1st Plant	Taoyuan 1st Plant
2014.03.24	Lecture on Weight Management and Health Concerns	San-Hsia Factory / Infirmary	San-Hsia Factory	2014.10.20	Diabetes awareness and prevention of health talks	San-Hsia Factory / Infirmary	San-Hsia Factory
2014.04.25	Weight Control Lecture	Headquarter	Headquarter	2014.11	Relaxation Activity – Shooting Game	Taoyuan Wires and Cables Plant	Taoyuan Wires and Cables Plant
2014.07	Relaxation Activity – Shooting Game	Taoyuan Wires and Cables Plant	Taoyuan Wires and Cables Plant	2014.11.7	AED+CPR and First aid course	yang-der Ltd	Taoyuan Wires and Cables Plant
2014.04.29	Blood Dation	San-Hsia Factory/ Taiwan Blood Services Foundation	San-Hsia Factory	2014.11.11	Blood Donation	San-Hsia Factory	San-Hsia Factory
2014.05	Health Class	Taoyuan 1st Plant	Taoyuan 1st Plant	2014.11.11	Health lecture on Hyperlipidemia diet	San-Hsia Factory / Infirmary	San-Hsia Factory
2014.05.20	New Staff Health and Safety Education and	San-Hsia Factory	San-Hsia Factory	2014.11.19	Strides Walk	Headquarter	Headquarter
2014.06	Training Lecture on Weight Management and Health	Taoyuan Wires	Taoyuan Wires and Cables	2014.12	Relaxation Activity	Taoyuan Wires and Cables Plant/ Tayuan Plant	Mt. Xi-zhou
2014.06.06	Concerns Enterprises plant family	and Cables Plant Family Education Center, Taoyuan	Plant Taoyuan Wires and Cables	2014.12	General Physical Examination and Special	Taoyuan Wires and Cables Plant/ Min-Sheng	Taoyuan Wires and Cables
2011.00.00	education seminars Health Improvement		Plant Taoyuan Wires		Health Evaluation	General Hospital – Taoyuan District Taoyuan Wires	Plant
2014.06.19	lecture- Prevention of GERD and peptic ulcer care	and Cables Plant /Infirmary	and Cables Plant	2014.12	Cancer Screening - Intestinal Cancer & Oral Cancer	and Cables Plant/ Min-Sheng General Hospital	Taoyuan Wires and Cables Plant
2014.06.26	AED training	Infirmary	San-Hsia Factory	2014.12.02	Health Lecture of	Taoyuan DistrictSan-Hsia Factory	San-Hsia
2014.07	Health Class	Taoyuan 1st Plant	Taoyuan 1st Plant	2014.12.04	Metabolic Syndrome Lecture on Health	Taoyuan Wires and Cables Plant/	Factory Taoyuan Wires and Cables
2014.07	Health lecture-Prevention	Taoyuan Wires and Cables	Taoyuan Wires and Cables	2014.12.15	concern Environmental Noise Level	Infirmary	Plant
2014.07.16	of recessive disease	Plant /Kang-Ning General Hospital	Plant	2015.01.31 2014.12.16	2 Management- Personal Health Instruction Annual health	Headquarter	Headquarter
	Soccer camp	Headquarter	Headquarter	2014.12.16	examination for employees	Headquarter	Headquarter









First aid training

Health promotion seminar (liver care)









Health promotion seminar (hyperlipidemia)

Blood doration







Tatung Health and Safety Guidebook

Occupational health and safety management

Focusing on the issue of health and safety is one of the long standing policies in Tatung Co. With a regulated system and culture based strategy, Tatung Co. has aggressively participated in education training, regulation consulting, and risk assessing, and has established the procedures to improve the issues of health and safety, as well as setting objectives and reforming projects. These are accomplished through the execution of reform projects and periodical assessments, as well as reviewed by to management, and aided in the continued improvement of health and safety performances, and hence assist Tatung Co. to achieve the goal of a disaster free working environment. Table 5.4-1 shows the status of occupational health and safety management systems in Tatung Co. Other than relying on the management systems, ESD also carries out "Occupational Accident Prevention Pays" program every year and works hard to achieve the final target "disaster free in the factories and subsidiaries". The contents of the program are summarized below:

- 1. The factories and subsidiaries implement the projects which can improve or prevent health and safety issues, and ESD reviews the performances and provides feedbacks.
- 2. An annual Accident Prevention Pays seminar is organized to exchange the health and safety experiences between factories and subsidiaries.
- 3. Recommends outstanding factories or subsidiaries to compete governmental awards.

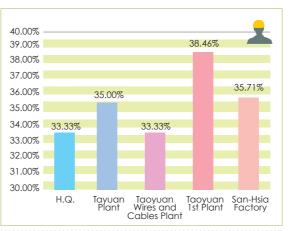
Table 5.4-1 Factories with OHSAS 18001 and CNS 15506

Factory	OHSAS18001 certified since	CNS15506 certified since		
Tayuan Plant	2008.07	2010.07		
Taoyuan Wires and Cables Plant	2009.06	-		
Taoyuan 1st Plant	2010.03	-		
San-Hsia Plant	2011.01	2013.01		

5.4 Health, safety and disaster free

Health and safety guidebook

In the case that recognition of dangerous materials is unsatisfactory, or that safety management has not been satisfactorily accomplished in the factories, there may be effects of varying degree to the health and safety work, and as a result, causing frequent disasters. This will not only threaten the safety of employees, but also the safety of the publics, as well as adversely impact the surrounding environment. Therefore, Tatung Co. stipulates that the company should be in accordance with relevant health and safety regulations in "Company Work Standard" and holds employees health examination (free of charge to the employees). Tatung Co. also issues "Tatung Health and Safety Guidebook" to employees in order to raise their awareness regarding to occupational risks. In addition, Tatung Co. holds "Health and Safety Committee" meetings in headquarter and factories to communicate and review the contents and progress of health and safety issues. The percentage of labor representatives is better than the requirement of regulation (at least 33%).



▲ Figure 5.4-1 Percentage of labor representatives in Health and Safety Committees









▲ Health and safety posters in the factories

Education and promotion on regulations

In order to raise the awareness of occupational health and safety among the employees and to comply with current regulations, ESD opens "Health and Safety Training Class" for new recruits, general employees, and managers in headquarter. The training classes introduce the related health and safety regulations such as "Occupational Safety and Health Act" and demonstrate the prevention of the occupational disasters.

The factories and subsidiaries also organize training courses for the needs of the business operations such as VOCs & Designated Chemicals class, Job Safety Analysis class, Forklifters and Stationary Cranes training class, etc.

In addition, Tatung Co. complies with "Labor's Working Condition Monitoring Methods" and sets working environment monitoring and conducts monitoring. The results from monitoring are available to the employees. Tatung Co. also educates the employees the potential hazards in the working environment and the necessary prevention measures.

Performances of Health and Safety

By implementing the measures mentioned in the previous chapters, Tatung Co. continues to establish safety culture, reduce occupational disaster risk and provide a safe working environment. When an occupational disaster is occurred, cause analysis will be conducted and counter-measures will be implemented to prevent such case happening again. Table 5.4-2 demonstrates Frequency of Disability Rate (FR), Severity of Disability Rate (SR), Occupational Disease Rate, No. of death incidents, and Absentee Rate (AR) in 2014. There was no occupational disease case and death incident in 2014. From Figure 5.4-2, FR and SR for male employees declined gradually in the past three years however FR and SR for female employees increased instead. Tatung Co. will focus on this issue and continue to enhance the management of health and safety issues to minimize the accidents during operation.

▶▶ Table 5.4-2 Health and safety performance in 2014

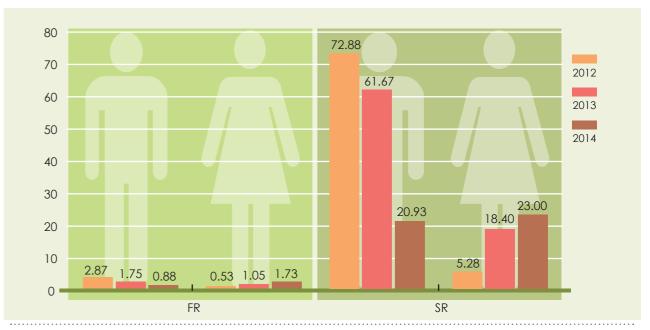
	FR ¹	SR ²	Occupational disease rate ³	No. of death incidents	AR ⁴
Male	0.88	20.93	0	0	0.0023
Female	1.73	23.00	0	0	0.0100

Note 1: FR is one of the indicators selected by CLA for occupational disaster statistic purpose. The formula is (No. of disability/Total working hours) x 1,000,000

Note 2: SR is one of the indicators selected by CLA for occupational disaster statistic purpose. The formula is (Total lost days/Total working hours) x 1,000,000

Note 3: Occupational disease rate's formula is (No. of occupational diseases/Total working hours) x 1.000.000

Note 4: The formula for AR is (Total days of incapacity of any kind/Total days scheduled to be worked)



▲ Figure 5.4-2 Trends of FR and SR

5.5 Participation and benefits to the society

Participation in infrastructure projects, serving the country through industry

Tatung Co. always actively gets involved in government's infrastructure projects with the spirit of serving the country through industry and fulfilling corporate social responsibility. In 2014, Tatung Co. future to the winning of solar system roofing bids for government-owned buildings in New Taipei City, Nantou, Taichung, Pingtung, Tainan, Kaohsiung, and Penghu which making Tatung Co. the most experienced PV energy service company (PV-ESCO) in Taiwan. In addition, Tatung Co. accomplished micro-grid system on Taiping Island, the southernmost territory of Taiwan, which is able to reduce 50,000 liters of diesel consumption every year.

Integration of education and industry for fostering of talents

The founder of Tatung Co. ended his private business in 1942 and donated his assets to create the "Integrated Research and Development" school and company which is the former of current Tatung High School and Tatung University. The spirit of operating the education in Tatung Co. shows that the company is an annex company factory of the schools and provides the intern opportunities for students to practice their theories learnt from the lectures. Tatung Co. provides numerous intern opportunities every year. In 2014, 144 intern opportunities were given to students of Tatung University.

Tatung charity soccer camp

Tatung Co. is the only local private company that owns a soccer team. Tatung Soccer Team used to organize "Tatung Soccer Camp" as a welfare to

her employees at the beginning and expanding to invite the public. Chairman, Lin Wei-shan, feels that welfare groups and children from disadvantaged families having rare opportunity to participate in camp activities. Therefore, he instructs Tatung Co. to organize "Tatung Charity Summer Soccer Camp" since 2010. In an effort to help the underprivileged children to cultivate a proper and healthy hobby, Tatung Co. started to visit orphanages and welfare groups around Taiwan to experience the joy of playing football. Tatung Co. provides all necessities for football playing and travels to each children's places to introduce international football game and teach the children proper skills of football. The children are also divided into teams to happily experience the game on the field. The main purpose of organizing "Tatung Charity Summer Soccer Camp" is hoping every child can gain happiness and satisfaction as well as positive attitude.

Tatung Co. invited 300 underprivileged children from 13 charitable foundations to participate in "Tatung Charity Soccer Summer Camp" held in Taipei City, Taoyuan City, Taichung City, Kaohsiung City, Pingtung City, and Hualien County where children were taught skill and knowledge of soccer in the field by Tatung's professional team. Tatung Co. organizes this charitable event annually with an intention to inspire the disadvantaged children with sport playing hoping to help them to cultivate spirit of team work and sportsmanship.

Love donations

In 2014, Tatung Co. participated in series of charity donation events such as donating 12 million dollars to Kaohsiung City Government to help the victims in the disaster of explosion; donating 6 air conditioners to the Chinese Children Home & Shelter Association in providing children a cool comfortable living environment; inviting employees to support 2014 Tax Campaign,

"Donating invoice to help garlic farmers", organized by Revenue Service Bureau of Yunlin County. A total amount of 3,755 invoices were collected in exchange of 751 Taiwan catty of garlic, through which campaign, local garlic farmers and the disadvantaged social groups were all made beneficiaries; supporting Taiwanese Performing arts groups by producing the charity children drama "Tatung Boy Doll Loves the Earth" at 8 public elementary schools in Taipei City, New Taipei City, Taoyuan City, Miaoli County, Hsinchu County, Nantou County and Yilan County. This charity performance introduced energy saving, health and environmental protection in the scenario for children to develop some good habits from childhood.





Tatuna Boy Doll Loves the Farth event





▲ Donating invoice to help garlic farmers event



CHOEnvironmental performances

6.1 Environment management

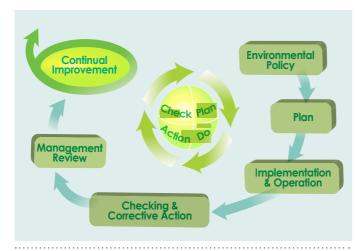
1990

- 6.1 Environment management
- 6.2 Input of resources and energies and output of wastes and others
- 6.3 Green products for a better earth
- 6.4 Environmental costs and conformity of regulation

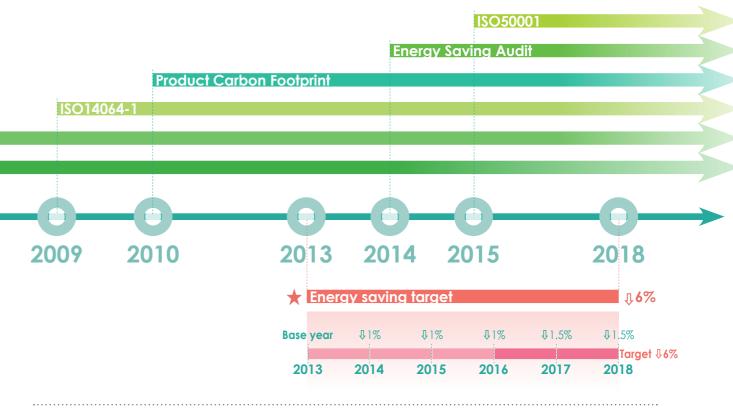


ISO 14001 environmental management system

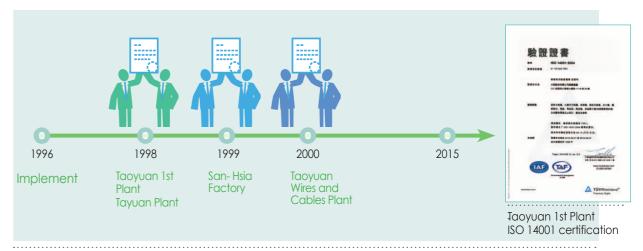
Tatung Co. believes that by implementing ISO14001 is able to continue to improve environmental performances, and improve export competitively and company images. Thus, in May, 1996, Tatung Co, started to implement ISO14001 among the factories and the subsidiaries. Table 6.1-1 shows the factories which have been certified with ISO14001 certification.



EMS establishing and implementing procedure



Tatung environmental management roadmap



▲ Figure 6.1-1 ISO14001 certification status

Greenhouse Gas Management System

Greenhouse gas emitted by human activities have already caused global warming and led to the threat on the sustainable development. Corporations actively to reduce the greenhouse gas emissions are not only to show a responsible image to the public but also able to reduce the operation costs from running the business. The stakeholders and publics nowadays are expecting corporations to disclose their greenhouse gas emissions information, too. In order to investigate the amount of GHG emission thoroughly and comply with the regulation, Tatung Co actively implements ISO14064-1 greenhouse gas management system into the factories. Once the factory completes GHG inventory, verification will be conducted by the third party based on reasonable level of assurance. Table 6.1-2 shows the factories have done GHG inventory and verified by third party.

For the purpose of enhancing the ability to do greenhouse gas inventory in the factories, ESD and Study Center cooperates to run two training courses, ISO14064-1 GHG Management Class

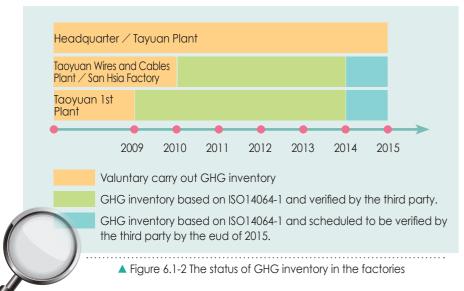
and ISO14064-1 Internal Verification Class from this year. We are expecting to have more well-trained employees through these classes and they are able to do the greenhouse gas inventory well and pass the verification by the third party in the future. At the same time, the factories will continue to reduce GHG emissions by any possible measures.



San Hsia Factory GHG verification statement



Taoyuan 1st Plant GHG verification statement



Taoyuan Wires and Cables Plant GHG verification statement

Pollution Prevention Pays (3P) Program

Tatung Co. started to implement "Pollution Prevention Pays, 3P" program in the factories and the subsidiaries which have manufacturing function since 1993 to help Tatung to develop environmentally sound operations. The elements of 3P program are listed as follows:

- Promote Clean Production technology, fully utilize resources and materials and to reduce the wastes and the production costs.
 One aspect of this is to improve the existing
 - One aspect of this is to improve the existing manufacturing processes and management operations, with the objective of eliminating sources for pollution. Also improve upon raw materials, and improve upon the recycling/reuse, and exchange/reuse of waste materials. Another aspect of this is to develop and choose zero pollution or low pollution manufacturing processes to reduce the amount of wastes.
- II. Develop green products to create additional values for products.
 - The objective is to apply the concept of "Design for the Environment, DfE", in the design phase to produce "recyclable, low pollution, toxic-free, resource saving, power saving, and durable" products to benefit the environment.
- III. ESD conducts yearly on-site auditing and evaluation in each factory and subsidiary to benefit management in their review of environmental performances and draft of new policy and objectives.
- IV. Conduct internal audit on regulation compliance in order to find out problem at first place and mitigate it.



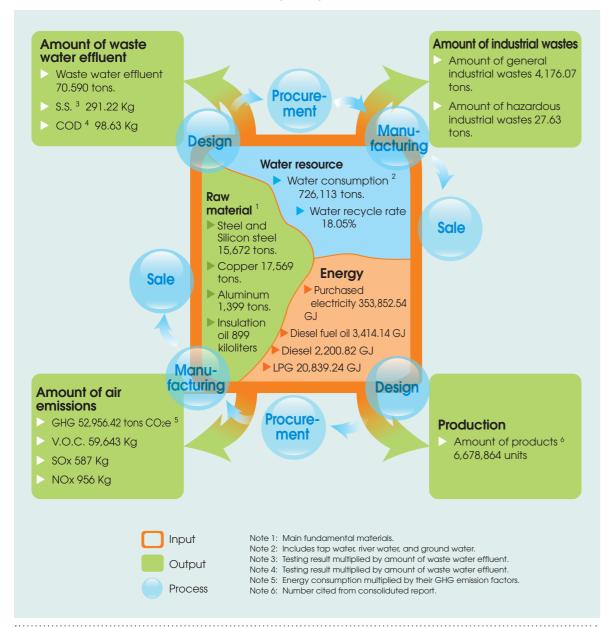
▲ 3P program on site audit (1)



▲ 3P program on site audit (2)

6.2 Input of resources and energies and output of wastes and others

Figure 6.2-1 shows the input of energies/resources and output of wastes, pollutants and produces in 2014. More details are disclosed in the following paragraphs.



▲ Figure 6.2-1 Tatung Co. material and energy flow

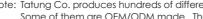
Consumption and management of main resources

Tatung Co. put quality, price, supply days, and after sale service into account when selecting a supplier. In order to ensure a good quality, Tatung Co. requires suppliers to provide new resources.

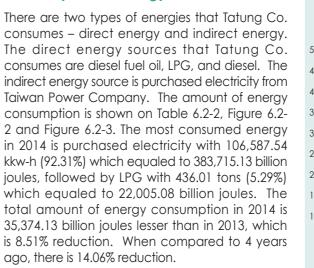
▶ Table 6.2-1 Amount and sources of main resources

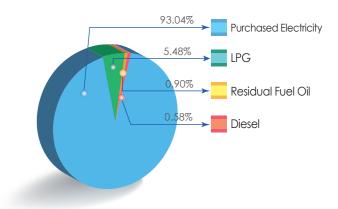
Main resource	Amount of consumption	Percentage of local purchas		
Steel (silicon steel included)	15,672 tons	71.86%		
Copper	17,569 tons	1.82%		
Aluminum	1,399 tons	89.49%		
Insulation oil	899 Kilo-liters	69.23%		

Note: Tatung Co. produces hundreds of different products. Some of them are OEM/ODM made. Therefore, the main resources are only selected from the above four fundamental resources and disclosed in this report.



Consumption of energy





▲ Figure 6.2-2 Energy consumption percentage (by category)

►► Table 6.2-2 Tatung Co. energy consumption

	2011	2012	2013	2014
Diesel fuel oil	6,876.49	3,012.48	4,498.64	3,414.14
.PG	24,448.80	22,355.84	22,005.08	20,839.24
Diesel	5,162.13	5,219.80	5,462.02	2,200.82
Purchased electricity	406,039.46	383,658.54	383,715.13	353,852.54

Unit: GJ



▲ Figure 6.2-3 Trend of energy consumption

CO₂e 1,600 1,400 1,200 1.000 927.45 800 617.55 600 400 164.47 200 2012 2013

1,610.73

Tons 1,800 F

▲ Figure 6.2-5 Amount of GHG emission reduction

Energy saving and GHG management

Due to the fact that the most of energies are imported from overseas and the price of energy grows up gradually. It is expected that the cost of energy will rise by years and contribute to operating costs. In order to fulfill corporate social responsibility and reduce operating costs, Tatung Co. set short and medium term goals which are based on energy intensity per product or unit and the baseline year is 2013. The goals are: Short term – reduce 3% in 2016, Medium term – reduce 6% in 2018.

Bas	e year	Û.	1%	Û	1%	Û.	1%	 1.	.5%	₽1	.5%
											Target ↓6%
20	13	20	14	20	15	20	16	20	17	20	18

▲ Figure 6.2-4 Tatung Co. energy saving target

▶ Table 6.2-3 Energy saving target status of Tatung main products

main products			
Main product	2014	2015	2016
Motors/generators	0	-	-
Rice cookers	0	-	_
Domestic air conditioners	0	-	-
Business air conditioners	0	_	-
Silicon ingots	0	-	-
Transformers	0	-	-
Switch gears	0	-	-
Mechanical meters	0	-	-
LAN cables		-	-
Power cables	0	_	-
Wires	0	-	-

Note: O represents it meet the target, O represents it does not meet the target

To achieve the goals, Tatung Co. conducts annual energy audit and reports the energy consumption information to the government as well as implementing energy saving projects in the headquarter and the factories. In the subsidiaries, Tatung Co. checks the energy saving performances during 3P program on site audit to ensure the energy saving target can be achieved. In 2014, Tatung Co. reduced about 1.2 million kwh of purchased electricity consumption which equaled to 620 GHG emission reductions via 6 dimensions (Table 6.2-4).

In addition, San-Hsia Factory is implementing ISO 50001 energy management system which is able to elevate energy performances. The system will be certified at the end of 2015.

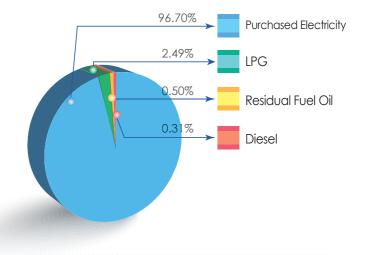
▶ Table 6.2-4 Tatung Co. energy saving projects and results

Energy saving projects	Amount of electricity saved (kw-hr)	GHG reduction (ton CO ₂ e)
Installed inverters on equipments with high energy consumption	163,360	85.11
Use high energy efficient lighting equipments	627,594	326.98
Installed monitoring devices on air conditioners and compressors to control temperatures and time	87,706	45.61
Rescheduled production shifting to reduce the use of equipments	186,651	97.25
Installed curtains at open space to reduce leakage of cool air	4,937	2.57
Increased the frequency of maintenance for air conditioners	115,071	59.95
Total	1,185,319	617.55

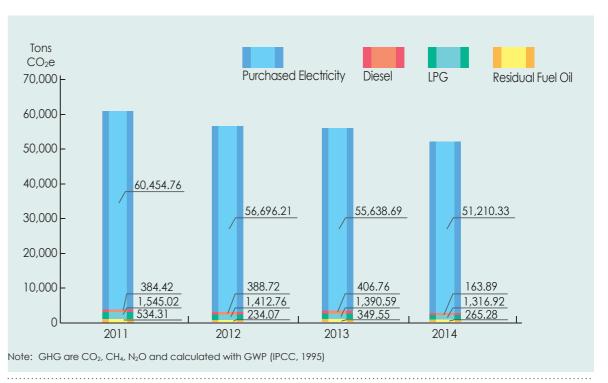
Note: GHG are CO₂, CH₄, N₂O and calculated with GWP

Greenhouse gas emissions

Due to Tayuan Plant is still undergoing the establishment of GHG emission inventory, the GHG emissions (scope 3 is not included) in this report are calculated as follows: the amount of fossil fuel consumption (gasoline and diesel used for transportation is not included) multiplied by each emission factor, and the amount of electricity consumption multiplied by its emission factor. The total GHG emission in 2014 is 49,181.94 ton CO₂e (Figure 6.2-6), 96.45% of it is from purchased electricity. The second largest portion is from LPG which is 2.68%.



▲ Figure 6.2-7 GHG emission percentage by source in 2014



▲ Figure 6.2-6 Amount of GHG emissions



Taoyuan Wires and Cables Plant waste treatment facility

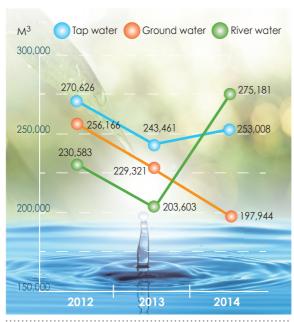
Consumption and management of water resource

The sources of water for Tatung Co. are from tap water, ground water, and river water. Tatung Co. consumed 726,133 M³ of water in 2014 which is 49,748 M³ more than the consumption in 2013, but still lower than the consumption in 2012. 18.05% of waste water was recycled (equaled to 131,068 M³). Tatung Co. will continue to conduct water save project in order to reduce water consumption.

As for the waste water management, all the factories and subsidiaries have granted the government approved "water pollution prevention measures" and "permit for effluent", as well as setup waste water treatment facilities based on the prevention measures. All the waste water treatment facilities are operated in accordance to the prevention measures and the amount and quality of the effluent are regularly tested and reported to the authorities. The rest results are all below the effluent standard in 2014. In addition, the factories are located in industrial area and/or industrial zone where do not have bio-sensitive sites nearby. Therefore the effluent from Tatung Co. will not have significant impacts to the biodiversity of the recipient water bodies. The detailed effluent information is disclosed on Table 6.2-5.



▲ Taoyuan 1st Plant waste treatment Plant



▲ Figure 6.2-8 Tatung Co. water consumption

▶ ► Table 6.2-5 Waste water treatment and effluent description in 2014

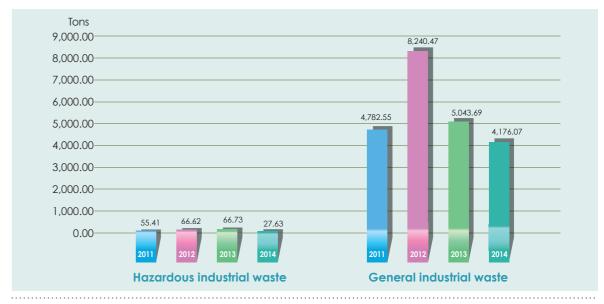
Factory	Treatment method	Average COD concentration (mg/L)	Average SS concentration (mg/L)	Amount of effluent (m³)	Recipient water body	Effluent reused by others
San-Hsia Factory	Factory owned	42.27	13.27	2,333	Heng River	
Tayuan Plant	waste water treatment plant	N.D.	<1.20	2,903	New Street River	
Taoyuan Wires and Cables Plant		N.D.	3.12	46,505	New Street River	None
Taoyuan 1st Plant	by the regulation	N.D.	5.93	18,849	Tianxinzhi River	
Total		Annual COD emission 98.63 kg	Annual SS emission 291.22 kg	70,590		

Note: Effluent standard COD: 100, SS: 30. N.D. represents that pollutant concentration lower than detecting limit.

Waste reduction and management

Tatung Co. has already implemented plenty of pollution reduction measures in the factories, mostly resulting from green product design phase and improvement of manufacturing process. Tatung Co. generated 4,203.69 tons of industrial wastes, including 4,176.07 tons of general industrial wastes and 27.63 tons of hazardous industrial wastes. From Figure 6.2-9, the amount of industrial wastes generated in recent years is quite stable besides in 2012 which is due to clean up event.

The industrial wastes are stored in the way accordance to the regulation and then entrusted by licensed treatment agencies in Taiwan for treatment. None of the hazardous industrial waste is exported to overseas. The factories also have been working hard to recycle and/or reuse the wastes in order to minimize the impact to the environment. In 2014, 3,572.32 tons of wastes were reused (84.98% of total wastes). Table 6.2-6 shows the methods used for waste treatment.



▲ Figure 6.2-9 Amount of industrial wastes by Tatung Co.

▶▶ Table 6.2-6 Waste treatment methods

Treatment method	Reuse	Incinerate	Landfill	Total
General industrial waste (tons)	3,569.46	69.90	536.71	4,176.07
Hazardous industrial waste (tons)	2.869	10.81	13.95	27.63
Treatment method percentages (by weight)	84.98%	1.92%	13.10%	100%





▲ ► Waste sorting posters and bins



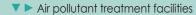








▲ Waste storage sites







Air pollutant emissions and management

Tatung Co. sets up and operates air pollutant treatment facilities in the factories in accordance to the regulation. Pollutant concentration is regularly tested and met the standard. The main air pollutants from the factories are NOx, SOx, and VOC. Tatung Co. declares the amount of emissions and pays air pollution control fee to the authority. The amount of air pollutants in recently 3 years is shown in Figure 6.2-10 and Figure 6.2-11. The amount of emissions drops gradually in the past 3 years due to reduced consumption of fuels and varnish.

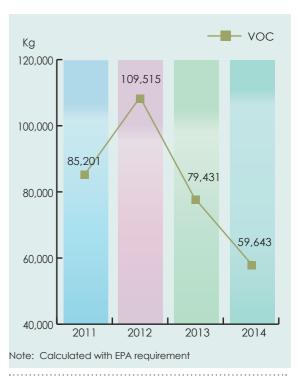
Emission of ozone-depleting substances by type and weight

In order to reduce the usage of ozone-depleting substances, Tatung Co. started to use R-410A coolant in some of the air conditioners which is the first Taiwan company to do so. In addition, Tatung Co. actively applies Green Mark for the air conditioners and the basic requirement is using zero ozone-depleting substances.

The authority regulates that the air conditioners with cooling capability less than 7.1kw is forbidden to use R-22 as coolant since 2011. Therefore, Tatung Co. stopped using R-22 coolant on the air conditioners with cooling capability less than 7.1kw from 2011.







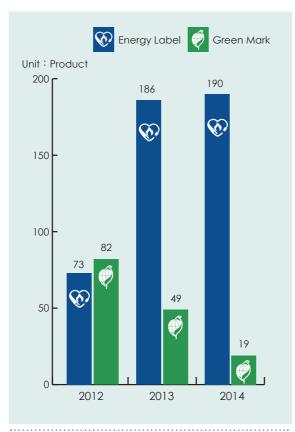
▲ Figure 6.2-11 Amount of air pollutant (2)

6.3 Green products for a better earth

Devote in developing environmental friendly products

Tatung Co. is tirelessly dedicated to the development of green products and many of them have been awarded with "Green Mark", "Energy Label", and "Water Label". There are 153 models are awarded with Green Mark, 444 models are awarded with Energy Label, and 21 models are awarded with Water Label, the detailed information is listed in Figure 6.3-1 and Table 6.3-1. As for toxic free products, Tatung Co. has followed EU RoHS directive and REACH regulation, through supply chain management and manufacturing management to ensure there is no hazardous substance in the products shipped to EU.

As increasing awareness on the global warming issue, Tatung Co. expects the customers and consumers choosing the products which have lower environmental impacts. Hence, Tatung Co. started to carry out product carbon footprint project to disclose such information. In 2010, San-Hsia Factory cooperated with China Steel Company to carry out carbon footprint inventory on A.C. motor (3hp) and verified by DNV. Tatung Co. also assisted the subsidiaries such as CPT and GET to carry out product carbon footprint since 2011. Starting from 2012, Tatung Co. has carried out product carbon footprint inventory on Tatung's signature product - Rice Cooker. So far Tatung Co. has completed the establishment of Taiwan EPA carbon footprint PCRs for "Rice Cooker" and "Electronic Cookers" and followed the PCR to carry out product carbon footprint inventory for Rice Cookers. Tatung Co. sets the schedule to complete by the end of 2015.



▲ Figure 6.3-1 Numbers of Green Mark and Energy Label awarded.

►► Table 6.3-1 List of green products

• • • • • • • • • • • • • • • • • • • •			
Product	Green Mark ¹	Energy Label ²	Water Label
Electric fan	_	0	_
Refrigerator	-	0	_
Washing machine	_	0	0
Rice cooker/ electronic cooker	-	0	-
Monitor	_	0	_
Water dispenser (warm/hot water)	-	0	-
Dehumidifier	_	0	_
Domestic air conditioner	0	0	-
Amorphous cast-resin dry type transformer	0	_	_
Amorphous oil- immersed type transformer	0	-	-

Note: As of 2015.04.15

Note 1: Taiwan EPA established "Green Mark" program in order to encourage manufacturers to reduce pollution emissions, consumption of energies and resources during the life cycle of a product as well as to awake the consumers to choose resource saving, low pollution, recyclable products. The products with "Green Mark" represent the environmental performances ranked from top 20~30% in their product category.

Note 2: Bureau of Energy, Ministry of Economic Affairs, Taiwan initiated the voluntary "Energy Label" program. The products with "Energy Label" indicate that the energy efficiency of the product is 10~50% higher than national energy efficiency standard.





Amorphous cast-resin dry type transformer Under MCTA-60Hz-2500kVA-11.4/22.8kV-600V 30.9 tons CO₂e reduction (2500kVA VS CNS standard)

Product and package recycling at the end of life

As for the recycle on the wasted products, Tatung Co. pays great attention on this issue. Tatung Co. pays "Recycling and Cleaning Fee" to the government agency (Recycling Fund Management Board) to carry out country-wide waste recycling affairs. Based on the statistics¹ in 2014, the average recycling rate for electric and electronic device is 66.32%, the average recycling rate for information device is 43.13%. Apart from paying the fees and fulfilling producer responsibility, Tatung Co. also works hard to use more recyclable materials through design and manufacturing stages and actively to apply for Green Mark. In addition, as a corporate who has her own retailing system, Tatung Co. works together with TCPC to set up battery and fluorescent lamp recycling box at each Tatung 3C Store to recycle consumers' waste batteries and fluorescent lamps, as well as consumers' large wasted house appliances upon request when purchasing. By doing this, the wastes can be fully recycled under the control of regulation and avoided damage to the environment.

In regarding to the packaging materials of household appliances and consumer products, Tatung Co. believes that the packaging materials are fully recycled. The reason behind this is the recycling channels in Taiwan is well established and residences are highly educated and aware to do recycle in their households. For the packaging materials (mainly wood/iron pallets or axles) used on large industrial products such as cables, transformers, power generators, motors, they are recycled and reused on daily operations.

Tatung Co. commits herself to continue designing and producing more energy efficient and environmental friendly products to be consistent with her vision.



Note 1: The official website of Recycling Fund Management Board http://recycle.epa.gov.tw/recycle/epa/ShowPage2.aspx?ke y=6&sno=1010&subsno=293&subsubsno=252

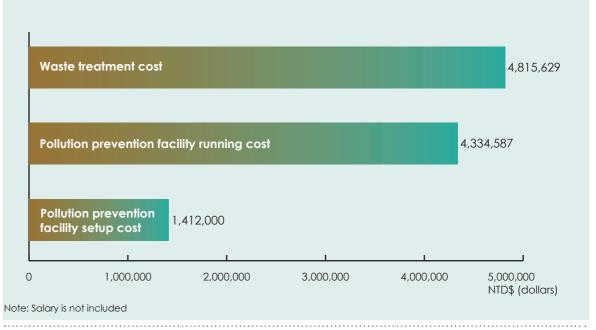
6.4 Environmental costs and conformity of regulation

Environmental protection expenditures and investments by type

Tatung Co. evaluates any possible pollutants occurred from the operations and has installed pollution prevention facilities in the factories. The environmental protection expenditures and investments in 2014 can be classified as the followings: costs on newly purchased pollution prevention facilities, costs on pollution treatment facilities, and costs on waste treatment. The total expenditures are NTD\$ 10,562,216 and shown in Figure 6.4-1.

Failure to comply with regulations and significant spills

Tatung Co. takes great concern on the development of environmental protection laws. When there are public hearings or seminars for drafting laws and regulations, Tatung Co. assign professions to receive the latest information. In spite of environmental management system and internal audit have been established and conducted in the factories, there were still several events of regulation breaching. System Integration BU and San-Hsia Factory was fined NTD\$3,000 and NTD\$6,000 due to violations of "Waste Disposal Act". Taoyuan Wires and Cables Plant was fined NTD\$700,000 due to violation of "Air Pollution Control Act". All the violations have been corrected and improved in accordance to the regulation and accepted by the authorities. Tatung Co. will further enhance internal audit to strengthen management to prevent such incidents happened again. Besides, there was not significant spill in 2014.



▲ Figure 6.4-1 Environmental protection expenditures and investments by type in 2014.



Annex 1 Subsidiaries notes to consolidated financial statements

The consolidated entitles are listed as follows

			December 31,	December 31,
Investor	Subsidiary	Main businesses	2014	2013
The Company, Chunghwa	Chunghwa Picture Tubes, Ltd.	Manufacture and sale of	24.22%	24.22%
Electronics Development Co., Ltd.,	("CPT")	picture tubs and TFT-LCD		
Green Energy Technology Inc.,		products		
Shan-Chih Asset Development Co.				
and Tatung Global Strategy				
Investment and Trading (BVI) Inc.				
The Company, Shan-Chih Investment	Tatung System Technologies	Manufacture of data storage	54.40%	54.40%
Co., Ltd. and Shan-Chih Asset	Inc. ("TSTI")			
Development Co.				
The Company, Chunghwa Picture	Forward Electronics Co., Ltd.	Manufacture and sale of	41.30%	41.35%
Tubes, Ltd., San-Chih Semiconductor	("FD")	electronics		
Co., Ltd. and Chunghwa Electronics				
Development Co., Ltd				
The Company	Taiwan Telecommunication	Telecommunication devices.	100.00%	100.00%
	Industry Company Ltd.			
The Company and Chunghwa	San-Chih Semiconductor Co.,	Manufacture and sales of	58.20%	58.20%
Electronics Development Co., Ltd.	Ltd.("SCSC")	semiconductors and chips		
The Company	Central Research Technology	EMCIRF testing and	100.00%	100.00%
	Co.	certification services		
The Company	Tatung Consumer Products	Sales, installation and service	99.10%	99.10%
	(Taiwan) Co., Ltd.	of home appliances and digital		
		computer products		
The Company	Tatung SM-Cycle Co.	Manufacture of speed	85.33%	85.33%
		reducers, speed variators		
The Company, Chunghwa	Tatung Fine Chemicals Co., Ltd.	Industrial coatings,	54.63%	54.63%
Electronics Development Co., Ltd.		electrocution coatings resistor		
and Chih-Sheng Investment Co., Ltd.		coatings, photo-catalyst, inkjet		
		ink		
The Company	Shan-Chih Asset Development	Development and leasing of	100.00%	100.00%
	Co. ("SCAD")	real estate		

			December 31,	December 31,
Investor	Subsidiary	Main businesses	2014	2013
The Company, Shan-Chih Asset	Chunghwa Electronics	Investment holding	99.86%	99.86%
Development Co. and Chih Sheng	Development Co., Ltd.			
Investment Co., Ltd.				
The Company	Tatung DIE Casting Co.	Manufacture and sales of zinc	51.00%	51.00%
		/aluminum parts and mold.		
The Company	Tatung (Thailand) Co., Ltd.	Manufacturing of IT products	100.00%	100.00%
The Company	Tatung Co. of Japan, Inc.	Sales and purchase of	100.00%	100.00%
		electronic parts		
The Company	Tatung Electronics(S) Pte. Ltd.	Sales and services of Tatung	90.00%	90.00%
		products in Singapore		
The Company	Tatung Wire & Cable (Thailand)	Manufacture and sales of wire	100.00%	100.00%
	Co., Ltd.	and cable		
The Company	Tatung Information (Singapore)	Investment holding	100.00%	100.00%
	Pte. Ltd.			
The Company	Tatung Electric (Singapore) Pte.	Investment holding	100.00%	100.00%
	Ltd.			
The Company	Tatung Co. of America Inc.	Sales and service of IT and	50.00%	50.00%
		household electronics products		
		in the US		
The Company	Tatung Mexico S.A de C.V.	Manufacture of IT products	100.00%	100.00%
The Company	Tatung Science and Technology,	Sale and purchase of IT	100.00%	100.00%
	Inc.	products		
The Company	Tatung Electric Company of	Manufacture and sales of	100.00%	100.00%
	America, Inc.	motor products in America		
The Company	Tatung Netherlands B.V.	Sales of digital information	100.00%	100.00%
		products		
The Company	Tatung (U.K.) Ltd.	Sales of digital consumer	100.00%	100.00%
		products.		
The Company	TATUNG CZECH s.r.o	Manufacture of IT products	100.00%	100.00%
The Company	Tatung Medical Healthcare	Design and sales of medical	95.41%	95.41%
	Technologies Co., Ltd.	instruments.		
The Company	Toes Opto-Mechatronics Co.	Manufacture of data storage	85.00%	85.00%
		and process equipment		
The Company	Tatung Vietnam Co., Ltd.	Manufacture and sales of home	100.00%	100.00%
		appliances		
The Company	Tatung Electric Technology	Manufacture and sales of wire	100.00%	100.00%
	(VN) Co., Ltd.	and cable		

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Investor	Subsidiary	Main businesses	December 31, 2014	December 31, 2013
The Company	Chih Sheng Investment Co., Ltd.	Investment holding	100.00%	100.00%
The Company and Chunghwa	Shan Chih Investment Co., Ltd.	Investment holding	100.00%	100.00%
Electronics Development Co., Ltd.				
The Company and Chunghwa	Tisnet Technology Inc.	Design and development of	100.00%	100.00%
Electronics Development Co., Ltd.		computer software and		
		equipment		
The Company	Tatung Global Strategy	Investment holding	100.00%	100.00%
	Investment and trading (BVI)			
	Inc.			
The Company	Absolute Alpha Limited	Investment holding	100.00%	100.00%
CPT	Giantplus Technology Co., Ltd.	Research, development,	53.67%	53.68%
	("Giantplus")	production and sales of LCD.		
CPT	Chunghwa Picture Tubes	Investment holding	100.00%	100.00%
	(Bermuda) Ltd. ("CPTB")			
CPT and CPTB	Chunghwa Picture Tubes	Investment holding and sales	100.00%	100.00%
	(Labuan) Ltd. ("CPTL")	of TFT-LCD		
CPTB and CPTL	Chunghwa Picture Tubes	Investment holding	67.49%	75.06%
	Technology (Group) Co., Ltd.		(Note 1)	
	("CPTTG")			
СРТВ	Dalemont Investment Ltd.	Investment holding	100.00%	100.00%
СРТВ	Daliant Investment Ltd.	Investment holding	100.00%	100.00%
CPTB	Bangalor Investment Ltd.	Investment holding	100.00%	100.00%
CPTB	Bensaline Investment Ltd.	Investment holding	100.00%	100.00%
СРТВ	New Kingston Enterprises	Investment holding	100.00%	100.00%
	Limited ("NKEL")			
CPTB,CPTL,CPTM and CPTTG	Chunghwa Picture Tubes	Assembly final module of	100.00%	100.00%
	(Wujiang) Ltd. ("CPTW")	TFT-LCD		
CPTB ,CPTL and CPTTG	Chunghwa Pictures Display	Assembly final module of	100.00%	100.00%
	Technology (Fujian)	TFT-LCD		
	Ltd.("FDT")			
CPTB, CPTL and CPTTG	CPTF Optronics Co., Ltd.	Assembly final module of	100.00%	100.00%
		TFT-LCD		
СРТВ	Chunghwa Picture Tubes	Manufacture and sale of CRT	100.00%	100.00%
	(Malaysia) Sdn. Bhd. ("CPTM")			

			December 31,	December 31,
Investor	Subsidiary	Main businesses	2014	2013
CPTF Optronics Co., Ltd., NKEL,	CPTF Visual Display (Fuzhou)	Manufacture components of	100.00%	100.00%
and Forward Development Co., Ltd.	Ltd.("FVD")	TFT-LCD		
CPTF Optronics Co., Ltd.	Huallar Optronics (Fuzhou) Co.	Manufacture components of	51.00%	51.00%
	Ltd.	TFT-LCD		
CPTTG	Chunghwa Picture Tubes	Investment holding and sales	100.00%	100.00%
	(Labuan) Ltd. ("CPTL")	of TFT-LCD		
CPTB and CPTTG	CPT TPV Optical (Fujian) Co.,	Manufacture components of	80.00%	80.00%
	Ltd.	TFT-LCD		
CPTB	Makolin Electronics (M)Sdn.	Manufacture and sale of	-	100.00%
	Bhd.	deflection yokes		
CPTB	CPTF Optronics (Shen-Zhen)	Sales and service of flat-panel	100.00%	-
	Co., Ltd.	display	(Note2)	
CPTTG and Goldmax Asia Pacific	Kornerstone Materials	Manufacture components of	100.00%	100.00%
Ltd	Technology Co. Ltd.	TFT-LCD		
CPTTG	CPTF Optronics (Shen-Zhen)	Sales and service of flat-panel	-	100.00%
	Co., Ltd.	display	(Note 2)	
CPTF Optronics Co., Ltd	CPTF Optronics (HK) Co., Ltd.	Sales of TFT-LCD	100.00%	100.00%
Giantplus Technology Co., Ltd.	Giantplus (Samoa) Holding Co.,	Investment	100.00%	100.00%
	Ltd.			
Giantplus Technology Co., Ltd.	Hsh Heng Investment Co., Ltd.	Investment	100.00%	100.00%
Giantplus (Samoa) Holding Co., Ltd.	Giantplus Holding L.L.C	Investment	100.00%	100.00%
Giantplus Holding L.L.C	Kunshan Giantplus	Manufacture components of	100.00%	100.00%
	Optoelectronics Technology Co.,	LCD display		
	Ltd.			
Giantplus Holding L.L.C	Shenzhen Giantplus	Manufacture components of	100.00%	100.00%
	Optoelectronics Display Co., Ltd.	LCD display		
Giantplus Holding L.L.C	Kunshan Giantplus Optronics	Sales of touch panel	100.00%	100.00%
	Display Technology Co., Ltd			
Forward Electronics Co., Ltd.	Forward Development Co., Ltd.	Investment holding	100.00%	100.00%
Forward Electronics Co., Ltd., Green	Gintung Energy Co., Ltd.	Manufacture and sale of solar	45.82%%	71.83%
Energy Technology Inc. and Toes		module and related component		
Opto-Mechatronics Co.				
Forward Development Co., Ltd.	Forward Electronics Equipment	Manufacture and sale of tuner,	100.00%	100.00%
	(Dong Guan) Co., Ltd	keyboard, mouse, remote		
		controller, switch, socket and		
		potentiometer.		

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Investor	Subsidiary	Main businesses	December 31, 2014	December 31, 2013
Forward Development Co., Ltd.	Suzhou Forward Electronics	Manufacture and sale of	100.00%	100.00%
Totward Development Co., Etd.	Technology Co., Ltd.	backlight unit for TFT-LCD,	100.0070	100.0070
	recimology co., Etc.	driving board, tuner, keyboard,		
		mouse, switch, socket and		
		connector.		
Suzhou Forward Electronics	Hefei Fuying Opto-electronic	The manufacturing and sale of	-	35.00%
Technology Co., Ltd.	Co., Ltd.	backlight unit for TFT-LCD	(Note 4)	
Taiwan Telecommunication Industry	Taiwan Telecommunication	Investment holding	100.00%	100.00%
Company Ltd.	Investments Limited.			
Taiwan Telecommunication	Taiwan Telecommunication	Manufacture of fax machine	60.00%	60.00%
Investments Limited.	(Fujian) Company Ltd.	and printers		
Taiwan Telecommunication	Shan Chih (Hong Kong) Co.,	International trading.	100.00%	100.00%
Investments Limited.	Ltd.			
San Chih Semiconductor Co., Ltd.,	Green Energy Technology Inc.	Manufacture and sales of	33.00%	29.09%
Shan Chih Investment Co., Ltd .and	("GET")	electronic parts and devices.	(Note 5)	
Shan-Chih Asset Development Co.,				
Chih Sheng Investment Co., Ltd.				
San Chih Semiconductor Co., Ltd.	Greater Power Limited	Investment holding	100.00%	100.00%
San Chih Semiconductor Co., Ltd.	Chih De Investment Co., Ltd.	Investment holding	100.00%	100.00%
Green Energy Technology Inc.	Energy Well International	Investment holding	100.00%	100.00%
	Limited			
Green Energy Technology Inc.	Green Energy Global Investment	Investment holding	100.00%	100.00%
Greater Power Limited and Energy	Ultra Energy Holdings Limited	Investment holding	100.00%	100.00%
Well International Limited				
Energy Well International Limited	Golden Sunny Limited	Investment holding	100.00%	100.00%
Ultra Energy Holdings Limited	Ultra Energy (WEIFANG)	Solar silicon wafer slicing.	100.00%	100.00%
	Technology Co. Ltd			
Tatung Fine Chemicals Co., Ltd.	Tatung Coatings (Kunshan) Co.,	Manufacture and sale of	100.00%	100.00%
	Ltd.	industry coating and		
		electro-deposition coating.		
Tatung Fine Chemicals Co., Ltd.	Huaian Tatung Advanced	Manufacture and sale of	100.00%	100.00%
	Technology Materials Co., Ltd.	positive material of lithium		
		battery, printer ink,		
		electro-deposition high		
		performance coating.		

		W. L.		December 31,
Investor	Subsidiary	Main businesses	2014	2013
Tatung Fine Chemicals Co., Ltd.	Shang Chih International	Investment holding	100.00%	100.00%
	Chemical Indastry Co., Ltd.			
Tatung Fine Chemicals Co., Ltd.	Wujiang Shang Huah Plastic	ABS plastic, color dyes	100.00%	100.00%
	Co., Ltd.			
Shang Chih International Chemical	Wujiang Shanghua Material	Manufacture and sale of ABS	100.00%	100.00%
Industry Co., Ltd.	Technology Co., Ltd	plastic.		
Shang Chih International Chemical	Dongguan Tongli Trading Co.,	Whole sale of painting, coating	100.00%	100.00%
Industry Co., Ltd.	Ltd.	and chemical products.		
Tatung Information (Singapore) Pte.	Tatung Information Technology	Manufacture and sales of TV,	100.00%	100.00%
Ltd.	(Jiangsu) Co., Ltd.	monitor and PCs.		
Tatung Information (Singapore) Pte.	Tatung Wire And Cable	Manufacture and sales of wire	100.00%	100.00%
Ltd.	Technology (Wujiang) Co., Ltd.	and cable		
Tatung Information (Singapore) Pte.	Tatung Compressors	Manufacture and sales of	100.00%	100.00%
Ltd. and Shan-Chih International	(ZHONGSHAN) Co., Ltd.	reciprocating compressors.		
Holding Corporation				
Tatung Electric (Singapore) Pte. Ltd.	Tatung (Shanghai) Co., Ltd	Manufacture and sales of	100.00%	100.00%
and Shan-Chih International Holding		motors, generators, diesel		
Corporation		engine generators, variable		
		speed motors, inverters and		
		PLCs, transformers and		
		switchboards.		
Tatung Mexico S.A de C.V.	TMX Logistics, Inc.	Hub service	100.00%	100.00%
Tatung Mexico S.A de C.V.	TMX Technologies Inc.	Technologies & business	100.00%	100.00%
		development		
Shan Chin Investment Co.Ltd	Shan-Chih International Holding	Investment holding	100.00%	100.00%
	Corporation			
Shan-Chih International Holding	Shan-Chih Wire&Cable	Manufacture and sales of wire	100.00%	100.00%
Corporation	Technology (Wujiang) Co.,	and cable		
	Ltd.			
Tatung System Technologies Inc.	Chyun Huei Business	Information software	100.00%	100.00%
	Technology Inc.	Service		
Tatung System Technologies Inc.	Tatung System Technologies	Investment holding	100.00%	100.00%
	Holding Ltd.			

			December 31,	December 31,
Investor	Subsidiary	Main businesses	2014	2013
Tatung System Technologies Holding	TSTI Technologies (Shanghai)	Information software	94.00%	100.00%
Ltd.	Co., Ltd.	Service	(Note 7)	
Chih Sheng Investment Co., Ltd.	Chih Sheng Investment (BVI)	Investment holding	100.00%	100.00%
Chih Sheng Investment Co., Ltd.	HEDA Biotechnology Co., Ltd.	Produce, food retail and	52.17%	52.17%
		wholesale industry		
Chih Sheng Investment (BVI) Co.,	Chih Sheng Holding Co., Ltd.	Investment holding	100.00%	100.00%
Ltd				
Chih Sheng Holding Co., Ltd.	Goldmax Asia Pacific Ltd	Investment holding	55.05%	55.05%
Chih Sheng Holding Co., Ltd.	Chih Sheng Holding HK Limited	Investment holding	100.00%	100.00%
Absolute Alpha Limited	Tatung Information Technologies	Sales of electronic products	100.00%	100.00%
	Corp.			
Chih Sheng Holding HK Limited	WTE-niche Ltd.	Sales of panel	-	100.00%
			(Note 8)	
Chih Sheng Holding HK Limited	Wu-jiang Tatung Electronics	Sales of information products	100.00%	100.00%
	Trading Co. LTD			
Shan-Chih Asset Development Co.	Tatung Forestry and	Design and construction of	99.87%	99.62%
and Taipei Industry Corporation	Construction Co.	structural engineering.		
Shan-Chih Asset Development Co.	Taipei Industry Corporation	Production and sales of mixing	50.61%	50.61%
		concrete.		
Shan-Chih Asset Development Co.	Chih Sheng Realty Co., Ltd.	Realty management	100.00%	100.00%
Shan-Chih Asset Development Co.	Shan-Chih Asset International	Investment Holding	100.00%	100.00%
	Holding Corporation			
Shan-Chih Asset International	Tatung Management Consultant	Realty and Leasing Service	100.00%	100.00%
Holding Corporation	(Shanghai) Co., Ltd.			
Shan-Chih Asset International	Shan-Chih Asset International	Realty and Leasing Service	100.00%	100.00%
Holding Corporation	(Hong Kong) Holding Limited			
Shan-Chih Asset International (Hong	Suqian Zhiwei Real Estate Co.,	Realty management	100.00%	100.00%
Kong) Holding Limited	Ltd			

Factories and subsidiaries participated in 3P program and Occupational Accident Prevention Pays program in 2014

Factories and subsidiaries participated in 3P program and Occupational Accident Prevention Pays program in 2014

Factories owned by Tatung Co.	
Tayuan Plant	
Taoyuan Wires and Cables Plant	
San-Hsia Factory	
Taoyuan 1st Plant	
Crystal Growing Center ¹	
Electrical Meters Center	
Subsidiaries	
Tatung Die Casting Co., Ltd.	
Tatung Okuma Co., Ltd.	
Tatung SM-Cyclo Co., Ltd.	
Tatung Fine Chemicals Co., Ltd.	
Shan Chih Semiconductor Co., Ltd.	
Chunghwa Picture Tubes, Ltd. ²	
Kuender Co., Ltd.	
Forward Electronics Co., Ltd.	
Green Energy Technology Co., Ltd. ³	
Toes Opto-Mechatronics Co., Ltd.	

Note: Only factories and subsidiaries with manufacturing function participate in 3P program and Occupational Accident

Prevention Pays program. The information disclosed in this report are from Tatung's Factories ().

Note 1: Located at San-Hsia Factory.

Note 2: Includes Taoyuan Plant, Lungtang Plant, and Yanmei Plant.

Note 3: Includes Kuanyin Plant, Kuanyin II Plant, Tayuan Plant, and Green Energy Technology Inc. Branch of Southern Taiwan



Annex 3 List of GRI g4 Indicators

GRI content index for "in accordance" - core

	General standard disclosures	Pages	Note
	Strategy and analysis		
G4-1	Provide a statement from the most senior decision-maker of the organization about the relevance of sustainability to the organization and the organization's strategy for addressing sustainability.	Top Management Statement	
G4-2	Provide a description of key impacts, risks, and opportunities.	Top Management Statement, 11, 12, 23	
	Organization profile		
G4-3	Report the name of the organization.	7	
G4-4	Report the primary brands, products, and services.	7, 8	
G4-5	Report the location of the organization's headquarters.	8	
G4-6	Report the number of countries where the organization operates, and names of countries where either the organization has significant operations or that are specifically relevant to the sustainability topics covered in the report.	8	
G4-7	Report the nature of ownership and legal form.	7	
G4-8	Report the markets served.	8	
G4-9	Report the scale of the organization.	8	
G4-10	Report the total number of employees by employment type, contract, region, and gender.	40	
G4-11	Report the percentage of total employees covered by collective bargaining agreements.	38	
G4-12	Describe the organization's supply chain.	25, 26, 27	
G4-13	Report any significant changes during the reporting period regarding the organization's size, structure, ownership, or its supply chain.	-	No significant change
G4-14	Report whether and how the precautionary approach or principle is addressed by the organization.	23	
G4-15	List externally developed economic, environmental and social charters, principles, or other initiatives to which the organization subscribes or which it endorses.	10	
G4-16	List memberships of associations and national or international advocacy organizations.	9	
	Identified material aspects and boundaries		
G4-17	List all entities included in the organization's consolidated financial statements or equivalent documents.	Annex 1	
G4-18	Explain the process for defining the report content and the Aspect Boundaries.	3, 4, 5, 6	
G4-19	List all the material Aspects identified in the process for defining report content.	5	

	General standard disclosures	Pages	Note
G4-20	For each material Aspect, report the Aspect Boundary within the	6	
G4-21	organization. For each material Aspect, report the Aspect Boundary outside the	6	
G4-22	organization. Report the effect of any restatements of information provided in		
	previous reports, and the reasons for such restatements.	16	No siqueific and
G4-23	Report significant changes from previous reporting periods in the Scope and Aspect Boundaries.	-	No significant change
	Stakeholder engagement		
G4-24	Provide a list of stakeholder groups engaged by the organization.	1, 2	
G4-25	Report the basis for identification and selection of stakeholders with whom to engaged.	2, 3	
G4-26	Report the organization's approach to stakeholder engagement, including frequency of engagement by type and by stakeholder group, and an indication of whether any of the engagement was undertaken specifically as part of the report preparation process.	2, 3	
G4-27	Report key topics and concerns that have been raised through stakeholder engagement, and how the organization has responded to those key topics and concerns, including through its reporting. Report the stakeholder groups that raised each of the key topics and concerns.		
	Report profile		
G4-28	Reporting period for information provided.	About this report	
G4-29	Date of most recent previous report.	About this report	
G4-30	Reporting cycle.	About this report	
G4-31	Provide the contact point for questions regarding the report or its contents.	About this report	
G4-32	Report the "in accordance" option the organization has chosen.	About this report	
G4-33	Report the organization's policy and current practice with regard to seeking external assurance for the report.	About this report	
	Governance		
G4-34	Report the governance structure of the organization, including committees of the highest governance body. Identify any committees responsible for decision-making on economic, environmental and social impacts.	17, 20, 24	
G4-38	Report the composition of the highest governance body and its committees.	20	
G4-41	Report processes for the highest governance body to ensure conflicts of interests are avoided and managed. Report whether conflicts of interest are disclosed to stakeholders.	19	
	Ethics and integrity		
G4-56	Describe the organization's values, principles, standards and norms of behavior such as codes of conduct and code of ethics.	24, 39	

Note: All the above have been verified by third party.



Specific standard disclosures

Category	Aspect		DMA/Indicator		Level of disclosure ¹	Note
	Economic	DMA		Top Management Statement, 12, 42	N/A	
		G4-EC1	Direct economic value generated and distributed	12, 55	•	
	performance (Material Aspect)	G4-EC2	Financial implications and other risks and opportunities for the organization's activities due to climate change	Top Management Statement, 11, 12	•	
		G4-EC3	Coverage of the organization's defined benefit plan obligations	42	•	
		DMA		40, 41	N/A	
	Market presence	G4-EC5	Ratios of standard entry level wage by gender compared to local minimum wage at significant locations of operation	41	•	
Economic		G4-EC6	Proportion of senior management hired from the local community at significant locations of operation	40	•	
	Indirect economic impacts Procurement practices (Material Aspect) Governance (Material Aspect)	DMA		55	N/A	
		G4-EC7	Development and impact of infrastructure investments and services supported	55	•	
		DMA		25	N/A	
		G4-EC9	Proportion of spending on local suppliers at significant locations of operation	25, 62	•	
		DMA		17, 18, 22	N/A	
	Disclosure on non-financial information (Material Aspect)	DMA		24	N/A	
	Matarials	DMA		62	N/A	
	Materials	G4-EN1	Materials used by weight or volume	62	•	
		DMA		63	N/A	
Environment		G4-EN3	Energy consumption within the organization	62	N/A	
	Energy	G4-EN6	Reduction of energy consumption	63	N/A	
		G4-EN7	Reductions in energy requirements of products and services	63, 69, 70	•	

Category	Aspect		DMA/Indicator	Pages	Level of disclosure ¹	Note
	Water	DMA		65	N/A	
		G4-EN8	Total water withdrawal by source	65	•	
		G4-EN9	Water sources significantly affected by withdrawal of water	65	•	
		G4-EN10	Percentage and total volume of water recycled and resued	65	•	
		DMA		63, 68	N/A	
		G4-EN15	Direct greenhouse gas emissions (scope 1)	64	•	
	Emissions	G4-EN16	Energy indirect greenhouse gas emissions (scope 2)	64	•	
	(Material Aspect)	G4-EN19	Reduction of greenhouse gas emissions	64	•	
		G4-EN20	Emissions of ozone-depleting substances	68	0	
		G4-EN21	NOx, SOx and other significant air emissions	68	•	
	Effluents and waste (Material Aspect)	DMA		65, 66	N/A	
Environment		G4-EN22	Total water discharge by quality and destination	65	•	
		G4-EN23	Total weight of waste by type and disposal method	66	•	
		G4-EN24	Total number and volume of significant spills	72	•	
		G4-EN25	Weight of transported, imported, exported, or treated waste deemed hazardous under the terms of the Basel Convention annex I, II, III, and VIII, and percentage of transported waste shipped internationally	66	•	
		DMA		69, 71	N/A	
	Products and services	G4-EN27	Extent of impact mitigation of environmental impacts of products and services	69, 70, 71	•	
	(Material Aspect)	G4-EN28	Percentage of products sold and their packaging materials that are reclaimed by category	71	0	
		DMA		57, 60	N/A	
	Compliance	G4-EN29	Monetary value of significant fines and total number of non-monetary sanctions for non- compliance with environmental laws and regulations	72	•	
		DMA		72	N/A	
	Overall	G4-EN31	Total environmental protection expenditures and investments by type	72	•	

Category	Aspect		DMA/Indicator	Pages	Level of disclosure ¹	Note
		DMA		37, 40, 42, 48	N/A	
		G4-LA1	Total number and rates of new employee hires and employee turnover by age group, gender and region	39	•	
	Employment (Material Aspect)	G4-LA2	Benefits provided to full-time employees that are not provided to temporary or part-time employees, by significant locations of operation	48	•	
		G4-LA3	Return to work and retention rates after parental leave, by gender	42	•	
		DMA		38, 43	N/A	
	Labor/management relations (Material Aspect)	G4-LA4	Minimum notice periods regarding operational changes, including whether these are specified in collective agreements	43	•	
		DMA		49, 52, 53	N/A	
Social (labor	Occupational health and safety (Material Aspect)	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	52	•	
practices and decent work)		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	54	•	
	Training and education	DMA		40, 44, 45	N/A	
		G4-LA9	average hours of training per year per employee by gender, and by employee category	46	•	
		G4-LA11	Percentage of employees receiving regular performance and career development reviews, by gender and by employee category	40	•	
		DMA		40	N/A	
	Diversity and 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	40	•	
		DMA		41	N/A	
	Equal remuneration for women and men	G4-LA13	Ratio of basic salary and remuneration of women to men by employee category, by significant locations of operation	41	•	

Category	Aspect		DMA/Indicator	Pages	Level of disclosure ¹	Note
	Non-discrimination (Material Aspect)	DMA		37	N/A	
		G4-HR3	Total number of incidents of discrimination and corrective actions taken	37	•	
		DMA		27, 38	N/A	
Social (human rights)	Forced or compulsory labor (Material Aspect)	G4-HR6	Operations and suppliers identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of all forms of forced or compulsory labor	27, 38	•	
		DMA		43	N/A	
	Indigenous rights	G4-HR8	Total number of incidents of violations involving rights of indigenous peoples and actions taken	43	•	
		DMA		35	•	
Social (society)	Anti-competitive behavior	G4-\$07	Total number of legal actions for anti- competitive behavior, anti-trust, and monopoly practices and their outcomes	35	•	
		DMA		29, 30	N/A	
	Customer health and safety (Material Aspect)	G4-PR1	Percentage of significant product and service categories for which health and safety impact are assessed for improvement	29, 30	•	
		G4-PR2	Total number of incidents of non-compliance with regulations and voluntary codes concerning the health and safety impacts of products and services during their life cycle, by type of outcomes	29, 31	•	
Social	Product and service labeling (Material Aspect)	DMA		33	N/A	
(product responsibility)		G4-PR	Type of product and service information required by the organization's procedures for product and service information and labeling, and percentage of significant product and service categories subject to such information requirements	33	•	
		G4-PR4	Total number of incidents of non-compliance with regulations and voluntary codes concerning product and service information and labeling, by type of outcomes	34	•	
		G4-PR5	Results of surveys measuring customer satisfaction	36	0	



Category	Aspect	DMA/Indicator	Pages	Level of disclosure ¹	Note
	Marketing communications	DMA	35	N/A	
		G4-PR7 Total number of incidents of non-compliance with regulations and voluntary codes concerning marketing communications, including advertising, promotion, and sponsorship, by type of outcomes	35	•	
Social	Customer privacy	DMA	36	N/A	
(product responsibility)		G4-PR8 Total number of substantiated complaints regarding breaches of customer privacy and losses of customer data	36	•	
		DMA	28, 29, 30	N/A	
		G4-PR9 Monetary value of significant fines for on- compliance with laws and regulations concerning the provision and use of products and services	29, 31	•	

Note: The above DMA and indicators have been verified by third party.

Note 1: • represents such indicator is fully disclosed, O represents such indicator is partially disclosed.

Annex 4 List of UN Global Compact – The Ten Principles

Category	The Ten Principles	Page	Note
Human rights	Businesses should support and respect the protection of internationally proclaimed human rights.	37	
Homarrights	Businesses should make sure that they are not complicit in human rights abuses.	37	
	Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining	38	
Labor -	Businesses should uphold the elimination of all forms of forced and compulsory labor.	38	
LUDOI	Businesses should uphold the effective abolition of child labor.	38	
	Businesses should uphold the elimination of discrimination in respect of employment and occupation.	37, 40	
	Businesses should support a precautionary approach to environmental challenges.	57, 58, 59, 60	
Environment	Businesses should undertake initiatives to promote greater environmental responsibility.	57, 58, 59, 60	
	Businesses should encourage the development and diffusion of environmentally friendly technologies.	69	
Anti-corruption	Businesses should work against corruption in all its forms, including extortion and bribery.	18, 40	





Annex 5 Third-party assurance statements

Assurance Statement



TUV Asia Pacific Ltd. Taiwan Branch ('TUV NORD') has been commissioned by the management of TATUNG CO. ('the Company') to carry out an independent assurance of the 2015 TATUNG Corporate Social Responsibility Report for the fiscal year 2014 ('CSR Report') against the AA1000 AS (2008), TUV Asia Pacific CSR Assurance Protocol for Assurance of Sustainability Reporting and the Global Reporting Initiative 2013 Sustainability Reporting Guidelines Version 4 ('GRI G4').

TATUNG CO. is responsible for the collection, analysis, aggregation and presentation of information within the Report. TUV NORD's responsibility in performing this work (assurance of the report) is in accordance with terms of reference agreed in the scope of engagement with the Company. The management and stakeholders of TATUNG CO. are the intended users of this statement.

The assurance engagement is based on the assumption that the data and information provided to in the Company's CSR report is complete and true.

The scope of the assurance, based on the AA1000 AS (2008) Assurance methodology, include the text, and data in accompanying tables, contained in this report

TUV NORD has developed a set of protocols for the Assurance of Corporate Social Responsibility Report based on AA1000 AS (2008) and guidance provided in the Global Reporting Initiative Sustainability Reporting

The assurance of the Company's CSR report for the fiscal year 2014 related to its TATUNG CO. businesses (Headquarter, Tayuan Plant, Taoyuan Wires and Cables Plant, Taoyuan 1st Plant, and San-Hsia Factory) includes

- Reporting of economic, environmental, and social indicators; the year of activities covered in the CSR Report is 01.01.2014 to 31.12.2014;
- 2) Information related to the Company's issues, responses, performance data, case studies and underlying systems to manage Sustainability related data and information;
- 3) Information related to the Company's adherence to inclusivity, materiality and responsiveness and stakeholder engagements:
- Evaluation of the Accountability Principles (Type II) and specified performance information with a HIGH level of Assurance, according to AA1000 AS (2008)
 The report is "in accordance" with the G4 Sustainability Reporting Guidelines CORE option

Assurance Methodology

TUV NORD is a licensed global assurance provider of Sustainability services, with quality, environmental, social and sustainability assurance specialists working all over the world.

Our assurance engagement was planned and carried out in accordance with the AA1000 AS (2008) and the TUV Asia Pacific CSR Assurance Protocol for Assurance of Sustainability Reporting. Assessment of TATUNG adherence to inclusivity, materiality and responsiveness and stakeholder engagements was based on AA1000 AS (2008)

Our assurance involved the following activities:

- * Gather objective evidence on the performance indicators as mentioned in the report.
- * Review any issues raised by external parties that could be relevant to the Company's policies.

 * Review of expectations of local and national regulations; international standards and those of general concern
- both in the public eye and/or raised by expert opinion.
- * Documentation; record review and evaluation of the report contents against the GRI's G4 application
- * Discussion with managers and relevant staff on the Company's approach to stakeholder engagement.

 * Interviews with relevant staffs involved in sustainability management, gathering information and report
- preparation.
- Review key organizational developments.
- * Review of internal and external audits findings.
- * Review of supporting evidence based on the information made in the report.
- * Sampling method used to ensure the correctness of the data

The Company's CSR report (2015 TATUNG Corporate Social Responsibility Report) provides an appropriate view of the Company's CSR programs and performances during fiscal year 2014.

The economic, social and environment performance indicators as mentioned in the CSR report are represented



appropriately. The CSR performance indicators disclosed in the report demonstrate the Company's effort recognized by its Top Management and stakeholders.

Inclusivity: Acceptable. TATUNG identified the interested parties and significant impacts by CSR Reporting Group and adopted 31 aspects from the operation experience as well as integrated with the trends of domestic and oversea. The reporting systems have been developed to gather the required information. This effort has been showcased in. For further report, it recommended: (1) The stakeholders engagement channels can be more diversified and comprehensive in order to link the material aspect more accurately. (2) Regarding the material aspect in human rights for supplier chain management could be more extensive and systemized addressed in the

Materiality: Acceptable. TATUNG has established related procedures at the corporate level, as the issues which were identified by all departments were prioritized according to the extent of impact and applicable criterion for sustainable development of the company. In setting the boundaries, it recommended to clearly consider the impacts within and outside of TATUNG. And in the further report, could declare the endeavors to affect those

Responsiveness: Acceptable. TATUNG has committed to implement the CSR practice and demonstrate related performance information to respond to the expectations and perceptions of its stakeholders as appropriate. For further reports, regarding the respond to the stakeholders could more focus on: (1) How TATUNG endeavors and what strategy TATUNG implement to these material impacts could be described more extensively, (2) Recommend to provide more mid-term and long-term objectives to show the overall vision and strategy for TATUNG sustainability outcome.

Reliability and accuracy of performance information:
In accordance to Type II, High level of assurance requirements, it can be concluded that the contents mentioned in the sustainability report is reliable. The company has a robust management system for obtaining objective evidences and data for the reporting in the Company's CSR Report.

Statement of Independence and Competence
TUV NORD Group is the world's leader in inspection, testing and verification, operating in more than 70 countries throughout the world and providing services which includes management systems and product certification; quality, environmental, social and ethical auditing and training; environmental; social responsibility and sustainability report assurance.

TUV Asia Pacific Ltd. Taiwan Branch, affirms its' independence from TATUNG CO. and confirms that there are no conflicts of interest with the organization or any of its subsidiaries and stakeholders when performing the assurance of the CSR Report. TUV Asia Pacific Ltd. Taiwan Branch was not involved in any manner with the said Company, when the latter was preparing the CSR report.

The assurance team consists of well experienced, qualified and registered Quality - ISO 9001, EMS - ISO 14001, GHG - ISO 14064-1, OHSAS 18001, SA 8000 Lead Auditors and AA1000 AS (2008) Accountability trained CSAP - Certified Sustainability Assurance Practitioner. The team based on their qualifications, extensive knowledge and experience of the industry provided the much required expertise for this assignment.

Jack Yeh General Manager
TUV Asia Pacific Ltd., Taiwan Branch

AA1000 Licensed Assurance Provider

Issue Date: 2015-06-15 TUV Asia Pacific Ltd., Taiwan Branch Rm. A1, 9FL., No. 333, Tung Hua S. Rd., Sec. 2, Taipei, 10669, Taiwan R.O.C.

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Annex 6 Feedback Survey Form

Thank you for reading 2015 Tatung Corporate Social Responsibility Report, and sharing Tatung's achievements toward sustainable development. Tatung welcomes your opinions and believes that communication should be a dialogue. In order to present the next edition in clearer and understandable way, please take a few minutes to fill in your opinions or advices and return it to us.

	\rightarrow	Mailing address: Environment & Safety Division, Tatung Co., No.22, Sec. 3, Zhongshan N. Rd., Taipei City 10435, Taiwan E-mail / Fax number: h.s.chang@tatung.com /+886-2-25984566					
1.	Wha ^r □Exc Opin	t is your overall impl cellent	ression c ood	of this report? □Ave	erage	□Poor	
2.	□Top □Ide □Pro □Sup	at chapters are you management Star ntification of the	tement akehold	ers and signifi □Stru roduct respor	cant topics cture and gov	ıstomer service	
3.	In what chapters do you think needed to be improved in this report? Top Management Statement Identification of the stakeholders and significant topics Profile of Tatung Co. Structure and governance Supply chain management, product responsibility and customer service Social performances Environmental performances Opinions:						
4.	Pleas	e use the space be	elow to 6	express your o	pinions and a	dvices.	
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Environment & Safety Division Tatung Co.

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