

**FUJITSU**

shaping tomorrow with you

# **ENVIRONMENTAL REPORT FY2010**

This is the report on the organizations in Japan controlled under  
Environmental Management System based on ISO14001:2004 approvals.

**FUJITSU COMPONENT LIMITED**

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This report primarily focuses on the efforts, and accomplishments for FY2009, the period from April 1<sup>st</sup>, 2009 to March 31<sup>st</sup>, 2010, with the data reflecting the actual results for that period. The report also includes our approaches and targets for FY2010, the period from April 1<sup>st</sup>, 2010 to March 31<sup>st</sup>, 2011. FY2010 approaches and targets include uncertainty. We ask our reader's understanding of the fact that we cannot be responsible for such eventualities.

■ Top Message



Koichi Ishizaka  
President and  
Representative Director

Fujitsu Components Group has been addressing the environment protection throughout all business activities under corporate culture built through responses to customers' requirements for low power consumption and miniaturization.

Environmental challenges are the tasks all countries, companies and individuals have to take actions as one's own. It is necessary to consult on in long-term targets, such as shared vision of 80% reduction of greenhouse gas in advanced countries and 50% in whole world by 2050, and settlement of long-term view for biodiversity conservatory by 2050.

Fujitsu Components Group believe the act of components, as a core of supply chain, shall have important rolls to achieve the long-term targets without inflicting a heavy sacrifice on social system.

Smart grid and smart house have been drawing large attention as one of the effective methods for preventing global warming. In FY2009, we proposed for those market plug and socket <sup>(note)</sup> that provide excellent safety and utilities under high voltage DC distribution system, AC relays for photovoltaic system and high voltage DC relays for battery charger, and also provided the solutions for data transmission with wireless modules by keeping our attitude that we must solve the global warming issues with our customers.

(Note) It is joint development with NTT FACILITIES INC. and has also been conducting practical trials.

Based on the prior activities, Fujitsu Components Group has formulated the 5<sup>th</sup> Stage Group Environmental Activity Plan, a target of FY2010-FY2012 environmental activities, including biodiversity conservatory, and have started environment protection program towards low carbon society under 4 targets: "Improvement of environmental value of products and services", "Enhancement of own environmental load reduction plan", "Promotion of environmental and social contribution activities", and "Promotion of biodiversity conservatory activities".

Fujitsu Components Group recognizes roles and responsibility component manufacturers must carry out towards solution of serious issues of environment protection. As a member of Fujitsu Group, we determine to contribute to ensure sustainable global environment and society in line with *Green Policy 21*, Fujitsu Group's environmental concept, *Green Policy 2020*, middle-term environmental visions, and *Green Policy innovation*, project for environmental-load reduction by green ICT.



Haruo Mochizuki  
Senior Representative Group EMS  
Senior Member of the Board

**FUJITSU COMPONENTS' GROUP MISSION**

The FUJITSU COMPONENTS GROUP will continuously provide **high reliability and high quality products, technical proposals, and cost competitiveness.** We will contribute to the environment and society and reinvest profits and growth. As a business partner, FUJITSU COMPONENTS GROUP aims to further improve the products for our customers in a timely manner.

### ■ Environmental Policy, Environmental Program

Based on the statement of *contribution on the environment and society* in the Group Mission, the realization of low-carbon society and environment protection has been set as a top management priority to deliver the beautiful global environment for future generations, we are dedicated to conduct our business activities continuously and in a timely manner by providing environmental policy and setting goals keeping in line with the Fujitsu Group's environmental approach *Green Policy 2.1*, middle-long-term vision *Green Policy 2020* and environmental load reduction program by green ICT *Green Policy Innovation*.

### ■ Group Environmental Policy

(Established on April 12, 2010, Senior Representative Group EMS: Haruo Mochizuki, Senior Member of the Board)

Fujitsu Components Group (hereunder "the Group"), a member of Fujitsu Group, recognized the value and importance of protecting the global environment including climate control and biodiversity conservatory as one of the most important issues. Our environmental philosophy is: *We shall keep the best corporate activities while improving our coexistence with the environment*. As an enterprise that develops, designs, manufactures and sells electrical components, we promote environmental management towards realization of low-carbon and affluent society in accordance with ISO14001.

1. We continuously improve our environmental management system and promote the prevention of environmental pollution by affirming environmental aspects of our activities, products and services.
2. We comply with various environmental laws which involve our activities, products and services and other requirements we agree.
3. We continue the complete ban of hazardous substances in our products as specified by Fujitsu Components Group. We do not use or include any hazardous substances in our products, nor do we discharge any hazardous substances into the environment.
4. We promote the following items as the most important environmental management among the environmental aspects which our activities, products and services involve;
  - Provide the most advanced eco-friendly products by considering the environmental impact from the research and development, and design stage.
  - Reduce CO<sub>2</sub> generated by energy consumption.
  - Reduce emission of priority chemicals.
  - Further reduce the total amount of waste generation.
  - Promote the Green Procurement activity throughout the supply chain.
5. Every staff shall strive to improve the environment through their work and the position as employee.

#### Supplement

1. We promote the environmental management in order to achieve the major control items by establishing and reviewing the environmental aims and targets.
2. This policy is documented and made public to our employees, our group members and other parties concerned.

### ■ The 5<sup>th</sup> Stage of Fujitsu Components Group's Environmental Protection Program

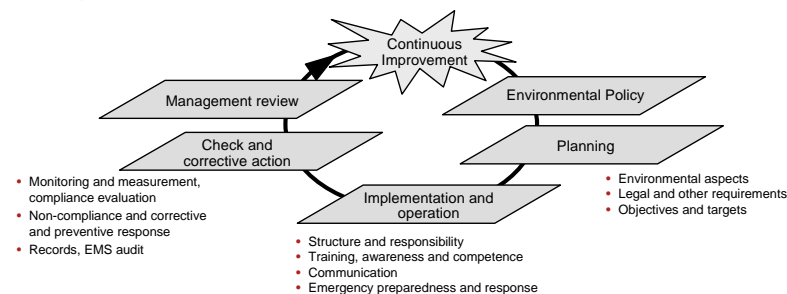
(Established on April 12, 2010)

This Environmental Protection Program states the actual action plans to implement our group Environmental Policy and important control items and it is the medium term action plans to be achieved by FY2012.

1. Improvement of Environmental Value of Products and Services
  - More than 30% of newly developed Green Products shall be Super-Green Products which contribute to energy saving by the end of FY2012.
  - Establish calculation method of eco-efficiency factor and LCA, and achieve the eco-efficiency factor of 1.2 on the newly designed Green Products by the end of FY2012 compare with the products development on FY2008.
2. Enhancement of Own Environmental Load Reduction Plan
  - Reduce CO<sub>2</sub> emission created by energy consumption not exceeding 18,200t-CO<sub>2</sub>, 20% reduction from the FY2000 level (22,777t-CO<sub>2</sub>), by the end of FY2012.
  - All materials shall be procured from the supplies who have target program to reduce CO<sub>2</sub> emission by the end of FY2010.
  - Reduce priority chemicals specified by each business unit not exceeding 6,320kgs, 30% reduction from the level of FY2007(9,038kgs) by the end of FY2012.
  - Reduce generation of waste not exceeding 875t, 10% reduction from the FY2007 level (973t), by the end of FY2012.
3. Promotion of Environmental & Social Contribution Activities
  - Each business unit shall contribute to social activities in their local community at least once a year.
4. Promotion of Biodiversity Conservatory Activities
  - Each business unit shall provide the education of biodiversity conservatory for diffusion and edification.
  - All materials shall be procured from the supplies who declare effort for biodiversity conservatory by the end of FY2012.

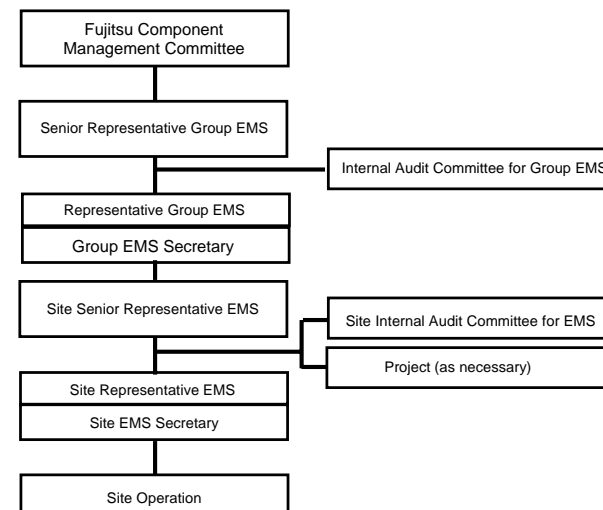
### ■ Environmental Management System

We have established environmental management system based on international standard ISO14001:2004 and are promoting continuous improvement activities.



### ■ Organization of Environmental Activities

Senior Representative Group EMS, who controls overall group activities, is set up under the Management Committee. Internal Audit Committee for Group EMS directly supporting the Senior Representative Group EMS. Site Senior Representative EMS and Site Representative EMS are set up in each 6 Japanese sites and they operate as subordinate organizations of Environmental Committee. 3 overseas sites have independent environmental committees and operate in close contact with Environmental Committee. As a member of Fujitsu Group, we conduct activities in corporation with the Fujitsu Group's environmental organizations.



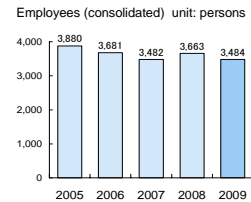
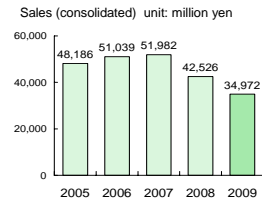
Note 1) Japanese 6 sites : Head Office Area, Engineering & Development Center, Shinano Fujitsu Limited, Miyazaki Fujitsu Components limited, Chikuma Tsushin Industry Co., Ltd. Takamisawa Electric Co., Ltd. Shinshu Plant. Tochigi Tec Co., Ltd. used to work as a site until end of FY2008 but was reorganized under Shinano Fujitsu Limited and Head Office from FY2009. They shutdown in August 2009 and returned the estate in January 2010.

Note 2) Overseas 3 sites: FUJITSU COMPONENT (MALAYSIA) SDN. BHD., in Malaysia, FUJITSU COMPONENTS (CHANGZHOU) CO., LTD. in China, QINGDAO KOWA SEIKO CO., LTD. in China.

■ Group Profile

■ Group Profile

Head Office FUJITSU COMPONENT LIMITED  
 Address 3-5 Higashi-Gotanda 2-chome, Shinagawa-ku, Tokyo 141-0022, Japan  
 President Koichi Ishizaka  
 Main Business Manufacture and sale of connecting components (relays and connectors), input/output devices (keyboards etc.) and other applied electrical devices  
 Capital 6,764 million yen (as of March 31, 2010)  
 Sales 34,972 million yen (consolidated, FY2009)  
 Financial year end March 31  
 Employees 3,484 (consolidated, as of end of March 2010)  
 Equity Market Second Section of the Tokyo Stock Exchange, code 6719  
 Group Composition The Group is composed of total 17 companies; 8 Japanese companies including 1 sales company, and 9 overseas companies including 5 sales companies. 1 overseas company is nonconsolidated subsidiary, another 1 overseas company is equity method affiliate (please refer to P.27)



■ Environmental Management Applicable Sites

(Fujitsu Component Limited Engineering & Development Center works as primary)

Site	Location	Employees	Business Activities
FUJITSU COMPONENT LIMITED Engineering & Development Center	Suzaka-shi, Nagano	419	Development and design of relays, touch panels, thermal printers, keyboards, KVM switches. Manufacturing of touch panels (Shinano Fujitsu Limited)
SHINANO FUJITSU LIMITED	Iiyama-shi, Nagano	580	Manufacturing of connectors, thermal printers, keyboards, KVM switches and printed-board-mounting parts.
MIYAZAKI FUJITSU COMPONENTS LIMITED	Nichinan-shi, Miyazaki	371	Manufacturing of relays.
CHIKUMA TSUSHIN INDUSTRY CO., LTD	Saku-shi, Nagano	121	Manufacturing of relay parts
TAKAMSAWA ELECTRIC CO., LTD. Shinshu Plant	Saku-shi, Nagano	55	Manufacturing of relay parts
FUJITSU COMPONENT LIMITED Head office area	Shinagawa-ku, Tokyo Nagoya-shi, Aichi Osaka-shi, Osaka	221	Development and design of connectors, group management, sales of products

Note 1) Employees in each sites are as of March 31, 2010.  
 Note 2) Fujitsu Component Limited Head Office Group includes Tokai (Aichi) and Osaka (Osaka) sales office and TEC Co., Ltd. (a sales subsidiary). Kyusyu sales office (Fukuoka) takes activity under Fujitsu Limited Kyusyu sales office.  
 Note 3) Miyazaki Fujitsu Components Limited took over manufacturing lines from Chikuma Tsushin Industry Co., Ltd. 2<sup>nd</sup> factory at the end of December 2009 and Togakushi Denshi Co., Ltd. at the end of August 2009. Tochigi Tec Co., Ltd. shut down at the end of August 2009 and returned the estate to the owner in January 2010.

■ Independent Environmental Management Applicable Sites

Site	Location	Business Activities	ISO14001:2004 status
FUJITSU COMPONENT (MALAYSIA) SDN. BHD	Johor, Malaysia	Manufacturing of relays and keyboards	Organization: SIRIM QSA International Sdn. Bhd Number: ER0124 Validity: July 27, 2013
FUJITSU COMPONENTS (CHANGZHOU) CO., LTD.	Changzhou, China	Manufacturing of relays	Organization: CHINA QUALITY CERTIFICATION CENTRE Number: 00108E22105R1M3200 Validity: April 28, 2011
QINGDAO KOWA SEKO CO., LTD.	Qingdao, China	Manufacturing of relay parts	Organization: CHINA QUALITY CERTIFICATION CENTRE Number: 00110E20300R0M3700 Validity: February 8, 2013

■ Equity Method Affiliate

Site	Location	Investment	Business Activities	ISO14001:2004 status
TRANSTOUCH TECHNOLOGY INC.	Tao-yuan, Taiwan	18.75%	Manufacturing of touch panel	Organization: SGS UNITED KINGDOM LTD. Number: TW06/00917 Validity: March 3, 2012

Investment Ratio is as of April 30, 2010.

■ ISO14001 Certificate

■ ISO14001 Certificates



Reference) ISO14001 Certificates of Independent Environmental Management Applicable Sites and Equity Method Affiliate



FUJITSU COMPONENT (MALAYSIA) SDN. BHD.

FUJITSU COMPONENTS (CHANGZHOU) CO., LTD.

QINGDAO KOWA SEIKO CO., LTD.

TRANSTOUCH TECHNOLOGY INC.

■ **Topics of Environmental Activities**

■ **Development of Eco-Friendly Products**

■ **Green Products, Super Green Products**

We strive to improve environmental performance throughout the product life cycle. We conduct environmental assessment on all products newly developed and oblige them to be *Green Products*, which complies with environmental standards. In addition, the products at the top class in terms of environmental-saving and/or 3R design technology, and having superior characteristics to others we supply or are available on the market are positioned as *Super Green Products* among Green Products.

Note 1) 3R design: Design based on the principles of Reduce, Reuse and Recycle.

Note 2) Super Green Products are approved by Fujitsu Limited, the head of Fujitsu Group.

■ **Super Green Products in FY2009**

In FY2009, 15 products were approved as Super Green Products in all our major product series; 4 relays, 3 connectors, 1 keyboard, 1 KVM switch, 1 touch panel, 3 thermal printers and 2 wireless modules. Here is the list of approved products.

Product	Series name / Product name	Feature
Relay	FTR-J2	10A-450VDC rating relay, reduced power consumption, weight and volume.
	FTR-K2W	Reduced volume. Reduced standby power consumption by setting of holding voltage.
	FTR-K1L	No standby power required (latching). Increased shock resistance three times (in comparison with equivalent products from other companies).
	FTR-V1	Standby power is unnecessary (latching).
Connector	88 straight jack	Reduced occupied volume with lower profile and miniaturization.
	07J for DDR3	Reduced temporary-joint piece-parts.
	360 right angle plug FCN-365P	Reduced weight.
Pointing device	N01B-4824-B811/20	Reduced standby power consumption.
KVM Switch	NC14004-B291-R KVM 8 port	Reduced weight and volume.
Touch Panel	Multi-input touch panel	Reduced piece-parts quantity. Eliminate piece-parts using PFOS (persistent organic pollutants).
Thermal Printer	FTP-62ADSL000-R	Reduced volume.
	FTP-63ADSL401-R	Reduced volume.
	FTP-627MCL411-R	Reduced power consumption. Increase printing speed.
Wireless Module	MBH7BTZ39 Bluetooth® module	Reduced number of piece-parts, weight and volume.
	MBH7BWZ04 Combo module	Reduced weight and volume.

We will review adaptation criteria of Super Green Products by adding energy-saving items and Euro-American advanced environmental criteria etc., to assess environment-friendliness in global level from FY2010.

■ **Reducing Products' Environmental Load by Using the Eco-Efficiency Factor**

In FY2009, we strived to achieve *eco-efficiency factor* "1.2" or better (compared with FY2005 products) on at least 1 product newly developed in each product line. As the result, we achieved "2.33" on keyboard, "1.5" on connector, "1.42" on KVM switch and "1.2" on other 3 products. We will change comparison product year to FY 2008 and will promote utilization of eco-efficiency factor as an indication of energy-saving design from FY2010.

■ **Management of the Restricted Chemical Substances in Products**

We have specified *Banned Substances* and *Control Substances* in products, in compliance with Japanese and international laws and regulations, industrial regulations, and environmental load newly observed through social conditions and scientific developments. And through our *Green Procurement Activities*, we are working to eliminate use of these specified substances under the slogan "not add, not use, not attach, not emit". In addition, we requested all material suppliers to construct chemical substance control system to enhance hazardous substance control. And we confirmed the systems and the operations are at the acceptable level through on-site audit.

■ **Response to Recent Environmental-Related Regulations**

We conducted information gathering and compiling database throughout all supply chains, and have constructed the system responsible to customers' investigation request. Also we sustain compliance system through further registrations of SVHC (Substances of Very High Concern), control of expired exemptions and contained substance review under RoHS directive and other laws and regulations.

■ **Global Warming Countermeasures**

We have joint-developed Power bar and plug with NTT FACILITIES, INC. for High Voltage DC distribution systems, which are expected to contribute to reduction of CO<sub>2</sub> emission, and have been conducting demonstration experiment. We also developed 450VDC-10A rating and 72VDC-1kW rating relay for DC output and miniature relays for AC output control for photovoltaic systems.

In production sites, we systematically implemented forced exhaust of exhaust heat from equipments, and thorough cut-off activities to reduce the waste of operation of air-compressors and room-air conditioners.

In administrative sites, each employee has tackled reduction of CO<sub>2</sub> emission by thoroughly turn off the power of PC and room lighting in non-use.

We will take global warming measures in all aspects to achieve *Challenge 25 Campaign* from FY2010.



Reduction of air-cooling load by forced exhaust system Shinano Fujitsu Limited

■ **Chemical Substance Measurement**

We worked for reduction of VOC (volatile organic compound) emission, which is said to be a cause of photochemical oxidant, by changing chemical cleaning to pure-water cleaning, and by changing solutions to the one with lower volatile, and achieved constant improvement in FY2009.

We will take reduction measures focused on the most environmental-influential solutions by site.

■ **Waste Management**

We succeeded reduction of waste by improvement of efficient and systematical disposal of each site's common wastes by unification of disposal constructors and buyers, and by participating in Fujitsu Group's communal recycle activity. Also we converted 20 items of waste to resources, and achieved 107% waste reduction against FY2009 target.

We will proceed study of beneficial use, including recycling, of glasses, films and solutions used for touch panels from here on.

■ **Compliance and Prevention of Environmental Pollution**

We specified environmental-related controls, ordinances, local agreements, customers' requirement to be applied on each site and checked compliance once a quarter to prevent deviancy. However, it was reported at Takamisawa Electric Co., Ltd. Shinshu Plant that excessive pH(9.3 against ordinance's pH standard 5.0 to 9.0) was measured in public sewer water by January 20, 2010 sampling. We confirmed there was no damage on neighborhood immediately, and took preventive measures by changeover household detergent (pH 11 or more) to industrial-use detergent (undiluted solution pH 8.5). Concerning groundwater pollution at Takamisawa Electric Co.,Ltd., we continue soil clean up and monitoring at observation well, and confirmed it had not exceeded standard values.

■ **Environmental and Social Contributions**

We conducted community-based social actions such as throughout-town cleanup activities by employees and their families at Shinano Fujitsu Limited, cleanup of green turtle's spawning beach at Miyazaki Fujitsu Components Limited, cleanup activities in each site, donation of vaccine through PET bottle cap correction.



Local cleanup activity Engineering & Development Center

■ **Efforts in biodiversity conservatory**

We will address the biodiversity conservatory based on thorough understanding that there are endemic natures, unique organisms and they are connected, and our life and business activities receive benefit from the biodiversity. In particular, we conduct educational campaign at each site, and proceed active procurement from the supplies who conduct biodiversity conservatory activities

■ FY2009 Targets and Achievement, FY2010 Targets

■ FY2009 Targets and Achievements (Group Total)

■ FY2009 Targets and Achievement (Group Total)

The 4th Stage Environmental Protection Program		Targets (FY2009)	Performance (FY2009)	Status
Item	Target			
Enhancement of Super Green Products	Targeting the Green Products being developed in FY2007 onward, increase the number of Super Green Products by at least 40% (*) of all by the end of FY2009.  (* We set higher target since original target 20% was cleared. Result in FY2008 was 35.9%)	Targeting the Green Products being developed during FY2007 to FY2009, increase the number of Super Green Products by at least 40% of all.	27 products (48%) were approved as Super Green Products form 56 Green Products that had been developed since FY2007.	Done
Achievement of eco-efficiency factor	Achieve eco-efficiency Factor 1.2 for Green Products in each product being newly developed by the end of FY2009.	Achieve Factor 1.2 in each product being newly developed.	Achieved in main products (6 product lines).	Done
Reduction of energy consumption-related CO <sub>2</sub>	Hold down n CO <sub>2</sub> emissions to below 106% the FY2005 level (17,213t-CO <sub>2</sub> ) by the end of FY2010.	Reduce by 9.0% from the FY2005 level, i.e. max. 15,648t-CO <sub>2</sub> in other words, reduce by 4.6% from the FY2008 level (16,406t-CO <sub>2</sub> ).	15,096t-CO <sub>2</sub> (Reduced 12.3% from FY2005 results)	Done
Reduction of VOC	Reduce VOC emission by 22% the FY2005 level (17,110kg) by the end of FY2009.	Reduce by 26.7% from the FY2005, i.e. max. 12,532kg. In other words, hold down n to 102.4% the FY2008 level (12,240kg).	10,535kg (Reduced 38.4% from FY2005 results)	Done
Reduction of waste generation	Hold down n waste generation below 103% the FY2005 level (956.5t) by the end of FY2009.	Reduce by 7.9% from the FY2005 level, i.e. max. 880.7t. In other words, reduce by 1.7% from the FY2008 level (896.8t).	819t (Reduced 14.4% from FY2005 results)	Done
Promotion of Green Procurement Activities	Support to improve our business partner's EMS to reinforce environmental activities throughout the supply chain.	Achieve an operate level II or higher EMS w ith all material business partners.	100% Objective partners 168 companies	Done
	Support to improve our business partner's CMS to reinforce environmental activities throughout the supply chain.	Achieve a rank A, B CMS w ith all material business partners.	100% Objective partners 251 companies	Done
Environmental and social contribution	Promote environmental activities in local communities, and each business site shall contribute to social activities in their local community at least on in a year.	Implement contributions to society at least one per year at each business site.	13 activities (more than one activity at each business site)	Done

■ Status of Environmental Laws Compliance

Please refer to P.9 for details. Concerning compliance at each site, please refer to P.12 onward.

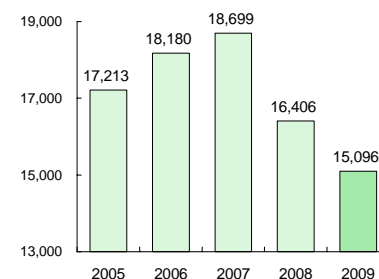
■ FY2010 Targets (Group Total)

The 5th Stage Environmental Protection Program (FY2010)		Targets (FY2010)
Item	Targets	
Improvement of environmental value of products and services	More than 30% of newly developed Green Products shall be Super Green Products w hich contribute to energy saving by the end of FY2012.	Develop at least one Super Green Products w hich contribute energy-saving.
	Establish calculation method of environmental efficiency factor and LCA, and achieve the environmental efficiency factor of 1.2 on the newly designed Green Products by the end of FY2010 compare w ith the products developed in FY2008.	Establish calculation method of environmental efficiency factor and LCA and settle the factor value.
Enhancement of own environmental load reduction plan	Reduce CO <sub>2</sub> emission created by energy consumption not exceeding 18,200t-CO <sub>2</sub> , 20% reduction from the FY2000 level (22,777t-CO <sub>2</sub> ), by the end of FY2012.	Hold it down n to below 17,668t-CO <sub>2</sub> in the Group.
	All materials shall be procured from the suppliers w ho have target program to reduce CO <sub>2</sub> emission by the end of FY2012.	Conduct investigation on all suppliers.
	Reduce priority chemicals specified by each business unit not exceeding 6,320kg, 30% reduction from the level of FY2007 (9,038kg) by the end of FY2012.	Hold it down n to below 6,959kg in the Group.
Promotion of environmental & social contribution activities	Reduce generation of waste not exceeding 875t, 10% reduction from the FY2007 level (973t), by the end of FY2012.	Hold it down n to below 851t in the Group.
	Each business unit shall contribute to social activities in their local community at least once a year.	Implement at least one activity at each group company.
Promotion of biodiversity conservatory activities	Each business unit shall provide the education of biodiversity conservatory for diffusion and edification.	Implement at least one investigation for biodiversity conservatory activities at each group company.
	All materials shall be procured from the suppliers w ho declare effort for biodiversity conservatory by the end of FY2012.	Conduct investigation on all partners.

■ Environmental Load Data

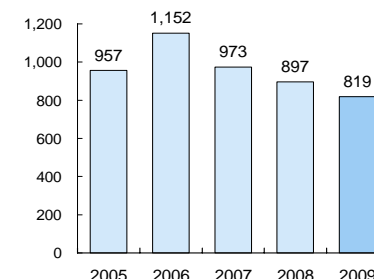
■ Environmental Load Data (Group Total)

■ CO<sub>2</sub> Emissions (unit : t-CO<sub>2</sub>)

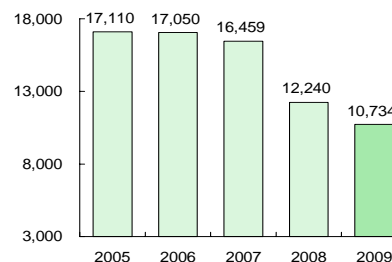


Note: FY2009 includes non-targeted dining room LPG.

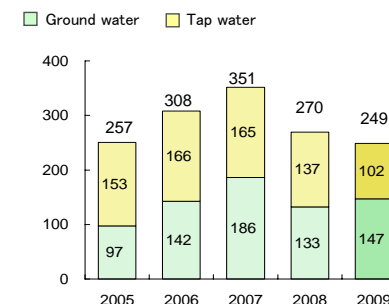
■ Industrial Waste (unit: tonne)



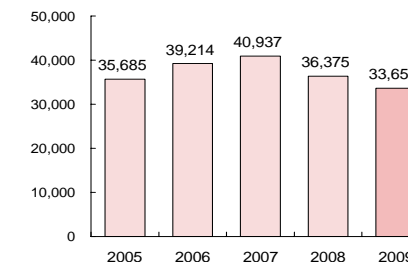
■ Volatile Organic Compound (VOC) Emissions (unit: kg)



■ Water Usage (unit: km<sup>3</sup>)



■ Electrical Power Consumption (unit: MWh)



■ FY2009 Targets and Achievements, FY2010 Targets

■ Details (1) Engineering & Development Center

■ FY2009 Targets and Achievements

Aims(FY2009)		Targets(FY2009)	Performance(FY2009)	Status
Items	Aims			
Promotion of Green Procurement Activities / Keeping total abolition of hazardous substances	Support to improve our business partners' EMS levels.	Keep a level II EMS w with all material business partners, and w will audit on more than a half of level II EMS material suppliers.	All 13 partners kept level II, 7/13(75%)partners were audited.	Done
	Support to improve our business partners' CMS levels.	We support to be a CMS rank A,B w with all material business partners.	All 177 partners kept rank A,B, 52/177 partners were audited (32%).	Done
Increase offering of eco-friendly products	Targeting the Green Products being developed in FY2007 onward, increase the number of Super Green Products by at least 40% <sup>(*)</sup> of all by the end of FY2009. (* We set higher target since original target of 20% w as cleared. Result in FY2008 was 35.8%)	Referring to the Green Products being developed during FY2007 to FY2009, Ratio of Super Green products shall be at least 40% among them.	27 out of 56 Green Products being developed from FY2007 registered as Super Green Products (48%)	Done
	Achieve eco-efficiency factor of 1.2 w with all Green Products being newly developed by the end of FY2009 compared w with the product developed in FY2005.	Achieve eco-efficiency factor of 1.2 w with at least one product being newly developed.	Achieved 1.2 w with 6 products.	Done
Global warming countermeasures and environmental activities in our business sites	Hold down n energy consumption-related CO <sub>2</sub> to below 128% the FY2005 level (2,950t-CO <sub>2</sub> ) by the end of FY2010 i.e. max. 3,776t-CO <sub>2</sub> .	Hold down n to max.3,465t-CO <sub>2</sub> (117.4% of FY2005 level).	Achieved 3,282t-CO <sub>2</sub> (111.4% of FY2005).	Done
	Reduce VOC emission by 22% from the FY2005 level (6,300kg) by the end of FY2009. i.e. max.4,914kg.	Hold down n to max. 4,900kg (22.2% reduction from FY2005 level).	Achieved 4,706kg (25.3% reduction against FY2005).	Done
	Reduce w waste generation by 25% from the FY2005 level (170t) by the end of FY2009. i.e. max. 127.5t.	Hold down n to max.127.0t (25.2% reduction from FY2005 level).	Turned to 144t, off shore plastic market closure disturbed the reduction.	Failed
Environmental and social contribution	Promote environmental activities in local communities.	We w will implement contributions to society at least four.	Four contributions made including forest thinning operation.	Done

■ Status of Environmental Law Compliance.

We conducted measurements conform to *Sewerage Ordinance, Air Pollution Control Act, Noise & Vibration Control Law* twice a year. We confirmed that every value was under voluntary thresholds, which are set to be within the legal threshold, or legal threshold. Below table shows the results of major substances.

Items	Unit	Legal Threshold	Pref. Threshold	Voluntary Threshold	Results	
Sewerage drain	Hydrogen-ion concentration (pH)	—	5 to 9	5 to 9	6.7	
	Biochemical oxygen demand	mg/l	max.600	max.600	110	
	n-hexane extraction	mg/l	max.30	max.30	max.15	less than 1.0
Air Pollution Control Act	Sulfur oxide concentration	Nm <sup>3</sup> /H	K value	K value	2.5	0.075
	Nitrogen oxide	ppm	260	180	150	78

■ FY2010 Aims and Targets

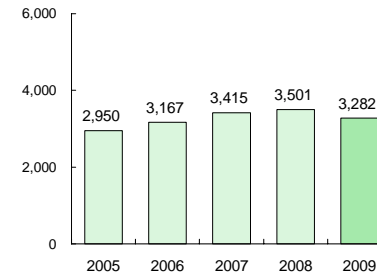
FY2010 Aims and Targets		FY2010 Targets
Items	Aims	
Improvement of environmental value of products and services	More than 30% of newly developed Green Products shall be Super Green Products w which contribute to energy saving by the end of FY2012.	Develop at least one Super Green Products w which contribute energy saving.
	Establish calculation method of eco-efficiency factor and LCA, and achieve the environmental efficiency factor of 1.2 on the newly designed Green Products by the end of FY2012 compared w with the products developed on FY2008.	Establish calculation method of environmental efficiency factor and LCA and settle the factor value.
Enhancement of environmental load reduction activities	Reduce CO <sub>2</sub> emission created by energy consumption not exceeding 3,837t-CO <sub>2</sub> (60% reduction from the FY2000 level (9,696t-CO <sub>2</sub> ), by the end of FY2012.	Hold it down n to max.3,577t-CO <sub>2</sub> .
	All materials shall be procured from the suppliers w who have target program to reduce CO <sub>2</sub> emission by the end of FY2012.	Procure min. 60% of materials from those major business partners.
	Reduce VOC (ethanol) emission not exceeding 1,666kg, 10% reduction from the level of FY2007 (1,852kg) by the end of FY2012.	Hold it down n to max.1,759kg.
Environmental and social contributions	Hold down n generation of w waste not exceeding 210t, 118% of the FY2007 level (179t) by the end of FY2012.	Hold it down n to max.147t
	We shall contribute to social activities in our local community at least once a year.	Implement min. one contribution.
Promotion of biodiversity conservatory activities	We shall provide the education of biodiversity conservatory for diffusion and edification.	Implement at least one investigation for biodiversity conservatory activities.
	All materials shall be procured from the suppliers w who declare effort for biodiversity conservatory by the end of FY2012.	Procure min. 60% of materials from those major business partners.

■ Environmental load data

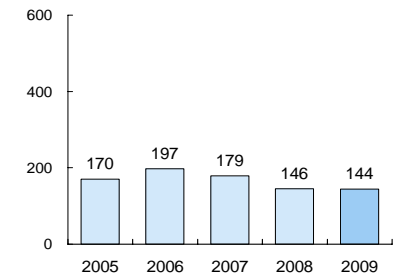
■ Details (1) Engineering & Development Center

■ Environmental Load Data

■ CO<sub>2</sub> Emissions (unit:t-CO<sub>2</sub>)

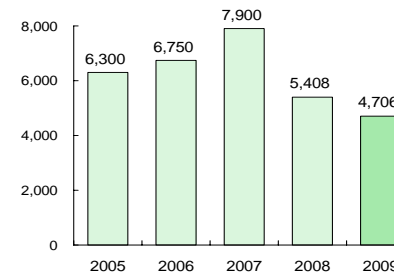


■ Industrial Waste (unit:tonne)

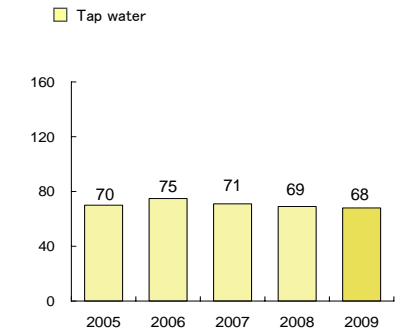


Remarks: Value FY2009 include canteen LPG which was out of target.

■ Volatile Organic Compound (VOC) Emissions (unit: kg)

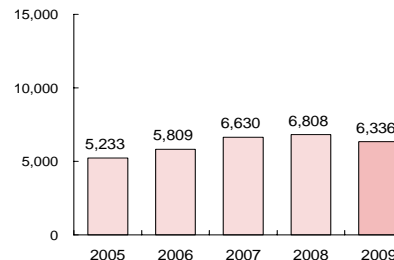


■ Water Usage (unit: km<sup>3</sup>)



Remarks: No ground water is included.

■ Electrical Power Consumption (unit: MWh)



■ FY2009 Targets and Achievements, FY2010 Target

■ Details (2) SHINANO FUJITSU LIMITED

■ FY2009 Targets and Achievements

Aims (FY2009)		Targets (FY2009)	Performance (FY2009)	Status
Items	Aims			
Green Procurement	It shall be level II or higher EMS with all material business partners.	Support to train all EMS level I material business partners.	Supported all partners.	Done
	We aim to construct CEM with all of material business partners.	Support to be CMS (rank B or higher) with all material business partners.	Supported all partners and audited 6 partners out of 29.	Done
Global Warming counter-measures	Hold down energy consumption-related (electricity heavy oil, kerosene) CO <sub>2</sub> emission to below 3,790t-CO <sub>2</sub> (reduction by 23.6% from FY2005 level) by the end FY2012.	Reduce by min.0.9% from FY2008 level. i.e. 3,828t-CO <sub>2</sub> (22.9% reduction from FY2005 level).	3,655t-CO <sub>2</sub> (26.3% reduction from FY2005 level).	Done
Proceeding Green Factory	Hold down CO <sub>2</sub> emission to below 5,500kg (reduction by 23.6% from FY2005 level) by the end of FY2012.	Hold down n emission of objective substances to below 5,500kg (23.6% reduction from FY2005 level).	4,909kg (31.8% reduction from FY2005 level).	Done
	Hold down n waste generations to below 489t by the end of FY2009.	Hold down n waste generations to below 489t by the end of FY2009 (112.2% FY2005 level).	457t (4.8% increase from FY2005 level).	Done
Proceeding Green Process Activities	We will proceed <i>Production Innovation Activities</i> by the end FY2009, and increase productivity by 15% and reduce spoilage cost by a half from 2nd half of FY2008 level.	Proceed <i>Production Innovation Activities</i> by the end of FY2009, and increase productivity by 15% and reduce spoilage cost by a half from 2nd half of FY2008 level.	Productivities: 17% increase Spoilage cost: 1/2 reduction	Done
Environmental contributions to Society	Promote environmental activities in local communities.	Implement contributions to a society at least one contribution.	Two contributions including town cleaning activity.	Done

■ Status of Environmental Law Compliance

We conducted measurements conform to *Waste Control Law, Sewerage Ordinance Pollution Law, Noise Control and Vibration Regulation Law* twice a year. Every value was under voluntary which are set to be within the legal threshold.

Items	Unit	Legal threshold	Voluntary threshold	Results	
Sewerage drain	Hydrogen-ion concentration	pH	5.8 to 8.6	5.8 to 8.6	7.1
	Biochemical oxygen demand	mg/l	max.30	max.21	2.3
	n-hexane extraction	mg/l	max.35	max.15	less than 1.0
Noise	Morning, noon and evening	dB	60 to 65	max.60	max.53
	Night	dB	50 to 55	max.50	max.49.6

■ FY2010 Aims and Targets

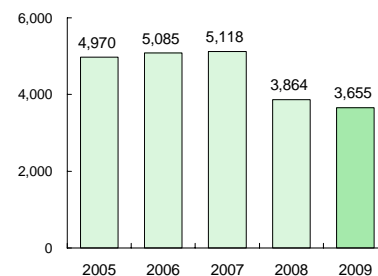
FY2010 Aims		Targets (FY2010)
Items	Aims	
Enhancement of environmental load reduction activities	Reduce CO <sub>2</sub> emission created by energy consumption not exceeding 3,589t-CO <sub>2</sub> , 18% reduction from the FY2000 level (4,379t-CO <sub>2</sub> ), by the end of FY2012.	Hold it down to max.3,624t-CO <sub>2</sub> , 1% reduction from FY2009 level (3,661t-CO <sub>2</sub> ).
	All materials shall be procured from the suppliers who have target program to reduce CO <sub>2</sub> emission by the end of FY2012.	Procure 100% of materials from those major business partners.
	Reduce VOC (IPA) emission not exceeding 4,000kg, 10% reduction from the level of FY2007(5,706kg) by the end of FY2012.	Hold it down to max. 4,300kg.
Reduction of <i>Production Innovation Activities</i>	Reduce generation of waste not exceeding 440t, 12.6% reduction from the FY2007 level (604t) by the end of FY2012.	Hold it down to max.457t.
Promotion of <i>Production Innovation Activities</i>	Promote <i>Production Innovation Activities</i> by the end of FY2010 and increase productivity by 15% from FY2008 2H level and reduce spoilage cost by a half from FY2008 2H level.	Increase productivity by 15 or more from FY2009 2H level.
Environmental contribution to society	We shall contribute to social activities in our local community at least once a year.	Implement min. one contribution.
Promotion of biodiversity conservatory	We shall provide the education of biodiversity conservatory for diffusion and edification.	Implement at least one investigation for biodiversity conservatory activities.
	All materials shall be procured from the suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Procure min. 60% of materials from those major business partners.

■ Environmental Load Data

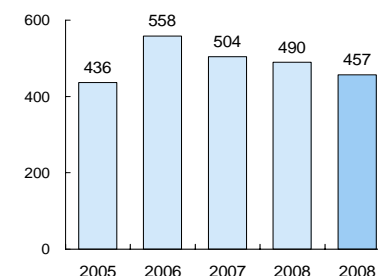
■ Details (2) SHINANO FUJITSU LIMITED

■ Environmental Load Data

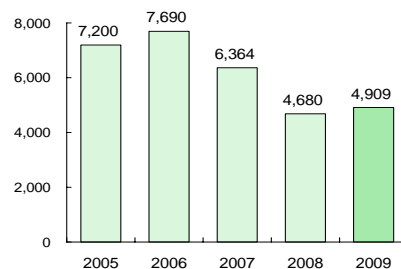
■ CO<sub>2</sub> Emissions (unit: t-CO<sub>2</sub>)



■ Industrial Waste (unit: tonne)

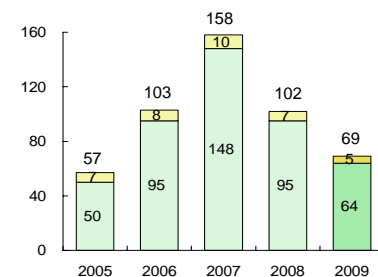


■ Volatile Organic Compound (VOC) Emission (unit: kg)

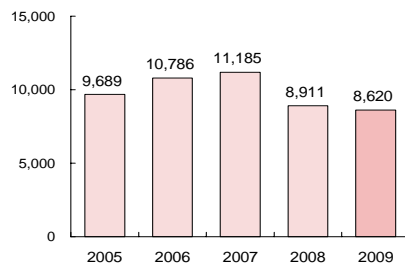


■ Water Usage (unit: km<sup>3</sup>)

■ Ground water ■ Tap water



■ Electrical Power Consumption (unit: MWh)





■ FY2009 Targets and Achievements, FY2010 Targets

■ Details (3) MIYAZAKI FUJITSU COMPONENTS LIMITED

■ FY2009 Targets and Achievements

Aims (FY2009)		Target (FY2009)	Performances (FY2009)	Status
Items	Aims			
Reduction of CO <sub>2</sub>	Hold down n energy consumption-related CO <sub>2</sub> to below the FY2005 level (4,411t-CO <sub>2</sub> ) by the end of FY2010.	Hold down n electricity usage to below 4,453t-CO <sub>2</sub> (equivalent to 10,941,031kWh).	5,030t-CO <sub>2</sub> (114% of FY2005 level) maintained to 86.4% of revised targets/	Done
Reduction of VOC	Reduce VOC usage by 10% from the FY2005 level (2,000kg) by the end of FY2008.	Hold down n IPA emission to below 1,322.0kg.	919kg (54% reduction from FY2005 level).	Done
Reduction of waste generation	Reduce w aste generations by 5.5% from the FY2005 level (122kg) by the end FY2009.	Hold down n w aste generations to below 70.0t.	51.8t (57.5% reduction from FY2005 level).	Done
Improve EMS level	Support to improve our business partners' EMS to reinforce environmental activities throughout the supply chain.	Support to improve EMS level to II or III with all material business partners.	All 22 partners met.	Done
Improve CMS level	Support to improve our business partners' CMS to reinforce environmental activities throughout the supply chain.	All partners shall pass the audit.	All 22 partners passed.	Done
Environmental and social contribution	Promote environmental activities in local communities.	Implement at least four contributions to society.	Four contributions including seacoast cleaning.	Done
Promotion of Green Campaign	Promote Green factory activities and we will plant 680 trees by the end of FY2010.	Plant 330 trees.	330 trees planted, total 680 trees planted during 2007 and 2009.	Done

■ Status of Environmental Laws compliance

There are no such facilities which relate to *Water Pollution Control Law, Sewerage Ordinance*. However, to confirm the drain quality, voluntary threshold values are set and measured it once a year.

Items		Unit	Law threshold	Voluntary threshold	Results
Main Plant drain from water purifier tank (180-person-large tank)	Hydrogen-ion concentration	pH	5.8 to 8.6	6.0 to 8.4	6.7
	Biochemical oxygen demand	mg/l	less than 60	less than 23	13
Hidakajima Paint drain	Hydrogen-ion concentration	pH	5.8 to 8.6	6.0 to 8.4	less than 1.0
	Biochemical oxygen demand	mg/l	less than 120	less than 108	less than 0.5
	n-hexane extraction	mg/l	less than 5	less than 4.5	less than 0.5
Obi Plant drain (60-person-large tank)	Hydrogen-ion concentration	pH	5.8 to 8.6	6.0 to 8.4	7.6
	Biochemical oxygen demand	mg/l	less than 90	less than 20	5.4

■ FY2010 Aims and Targets

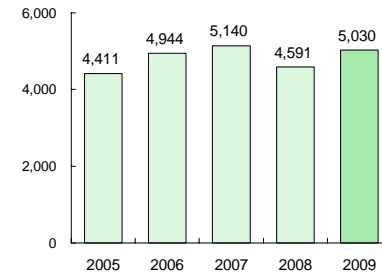
Aims (FY2010)		Targets (FY2010)
Items	Aims	
Enhancement of environmental load reduction activities	Reduce CO <sub>2</sub> emission created by energy consumption not exceeding 8,100t-CO <sub>2</sub> , 236% reduction from the FY2000 level (3,431t-CO <sub>2</sub> ), by the end of FY2012.	Hold it down n to max.7,600t-CO <sub>2</sub> (18,673MWh)
	All materials shall be procured from the suppliers who have target program to reduce CO <sub>2</sub> emission by the end of FY2012.	Investigate the major material business partners who proceeding CO <sub>2</sub> reduction activities.
	Reduce VOC emission 52% reduction from the level of FY2007 (1,465kg) by the end of FY2012.	Hold IPA down n to max. 900kg.
	Reduce generation of waste not exceeding 73.2t, 4.2% reduction from the FY2007 level (76.4t) by the end of FY2012.	Hold it down n to max.74.8t.
Environmental and social contributions	We shall contribute to social activities in our local community.	Implement at least three contributions
Promotion of biodiversity conservatory	We shall provide the education of biodiversity conservatory for diffusion and edification.	Implement at least one biodiversity conservatory activity.
	All materials shall be procured from the suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Investigate business partners who declared the biodiversity conservatory activities.
Green Activities	Promote Green Factory Activities and plant 280 trees by the end FY2012	Plant 80 trees

■ Environmental Load Data

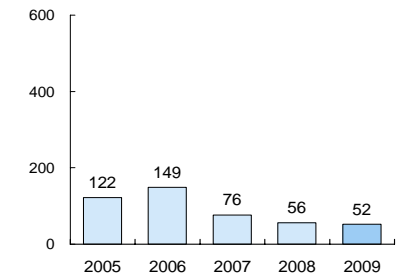
■ Details (3) MIYAZAKI FUJITSU COMPONENTS LIMITED

■ Environmental Load Data

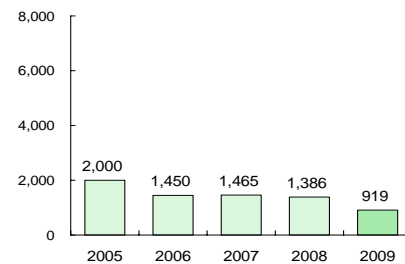
■ CO<sub>2</sub> Emission (unit: t-CO<sub>2</sub>)



■ Industrial Waste (unit: tonne)

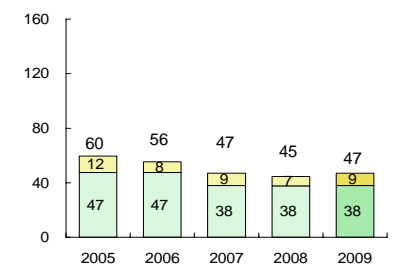


■ Volatile Organic Compound (VOC) Emission (unit: kg)

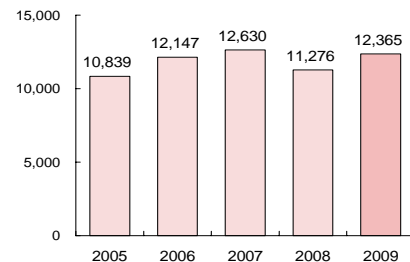


■ Water Usage (unit: km<sup>3</sup>)

■ Ground water ■ Tap water



■ Electrical Power Consumption (unit: MWh)



■ FY2009 Targets and Achievements, FY2010 Targets

■ Details (4) CHIKUMA TSUSHIN INDUSTRY CO.,LTD. (Incl. TOGAKUSHI DENSHI CO.,LTD.)

■ FY2009 Targets and Achievements

Aims (FY2009)		Targets (FY2009)	Performances (FY2009)	Status
Items	Aims			
Reduction of energy consumption-related CO <sub>2</sub>	Hold down energy consumption to below the FY2005 level (4,243t-CO <sub>2</sub> ) by the end of FY2012, reduce energy consumption to 4,300t-CO <sub>2</sub> by the end of FY2010.	Reduce energy consumption by 14.0% from the FY2008 level (3,984t-CO <sub>2</sub> ) i.e. 3,425t-CO <sub>2</sub> . Target was changed to 2,873t-CO <sub>2</sub> due to production line shift to Miyazaki in FY2009.	2,822t-CO <sub>2</sub> 98% of revised target.	Done
Reduction of waste generation	Reduce waste generation by 10% from the FY2005 level (202t) by the end of FY2009 i.e. 181t.	Reduce waste generation by 7% from the FY2008 level (194.0t) i.e. 180.0t.	158t 89% of revised target.	Done
Proceeding Green Procurement Activities	Support to improve our business partners' EMS to reinforce environmental activities.	Achieve 100% procurement from level II or III business partners.	100% (total 54 partners).	Done
	Support to improve our business partners' CMS to reinforce environmental activities.	Follow up to be partners to become CMS rank A or B.	100% (total 23 partners)	Done
Environmental and Social contribution	Promote environmental activities in local communities	Implement clean activities around factories once a year to contribute to local society.	Performed one local area cleaning. Performed cleaning activities around factories.	Done

■ Status of Environmental Laws Compliance

Main and Nozawa plants conducted the measurement conform to *Water Pollution Control Law*, *Sewerage Ordinance*, *Noise Control Law*, *Vibration Regulation Law* twice a year, and Togakushi Denshi conducted the measurement conform to *Vibration Regulation* once a year. All measured values were within the legal threshold or the voluntary threshold set at within legal threshold. Below shows drain data at Nozawa Plant.

Items	Unit	Legal threshold	Voluntary threshold	Results (max.)	
Water	Hydrogen-ion concentration	ph	5.8 to 8.6	6.0 to 8.4	7
	Biochemical oxygen demand	mg/l	160	108	1.2
	Tetrachloroethylene	mg/l	0.1	—	0.012
	Tetrachloroethylene	mg/l	0.3	—	0
	cis-1,2-dichloroethylene	mg/l	0.4	—	0

Main Plant holds joint surveys with adjoining Takamisawa Electric Co., Ltd. Shinshu plant. Nozawa Plant stopped using objective chemicals, which excessive levels of chlorine organic compound found in 1998 when the site had belonged to Takamisawa Electric Co., Ltd, and has been going on soil cleaning and monitoring through observation well. We will keep conducting those actions in FY2010.

■ FY2010 Aims and Targets

Aims (FY2010)		Targets (FY2010)
Items	Aims	
Enhancement of environmental load reduction activities	Reduce CO <sub>2</sub> emission created by energy consumption not exceeding 2,400t-CO <sub>2</sub> , 10.1% reduction from the FY2000 level (2,670t-CO <sub>2</sub> ), by the end of FY2012.	Hold it down to max.2,500t-CO <sub>2</sub> , 6.4% reduction from FY200 level.
	All materials shall be procured from the suppliers who have target program to reduce CO <sub>2</sub> emission by the end of FY2012.	Procure min. 60% of materials from those major business partners.
	Reduce generation of waste not exceeding 146t, 21.7% reduction from the FY2007 level (186.5t) by the end of FY2012.	Hold it down to max.163t 12.6% reduction from FY2007 level.
Environmental and social contributions	We shall contribute to social activities in our local community.	Implement at least contribution to society.
Promotion of biodiversity conservatory activities	We shall provide the education of biodiversity conservatory for diffusion and edification.	Perform min. one surveillance for establishing activities.
	All materials shall be procured from the suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Investigate all business partners' activities status

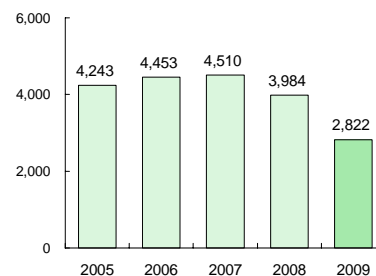
Togakushi Denshi Co., Ltd. and Chikuma Tsushin Industries Co., Ltd. Second Plant were shifted to Miyazaki Fujitsu Components Limited, a relay production site, in August 2009 and December 2009 respectively and operations of those plants were terminated.

■ Environmental Load Data

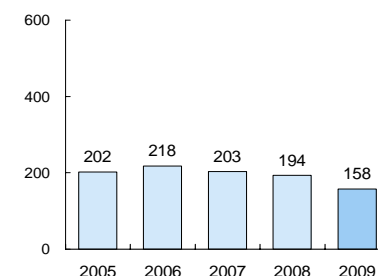
■ Details (4) CHIKUMA TSUSHIN INDUSTRY CO.,LTD. (Incl. TOGAKUSHI DENSHI CO.,Ltd.)

■ Environmental Load Data

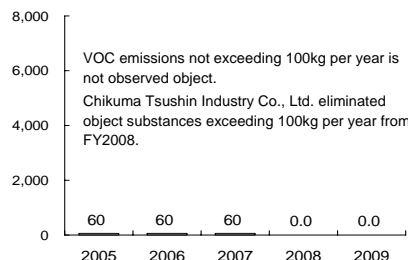
■ CO<sub>2</sub> Emissions (unit: t-CO<sub>2</sub>)



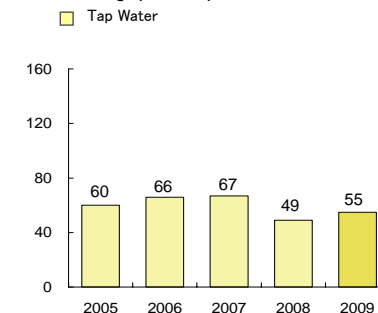
■ Industrial Waste (unit: tonne)



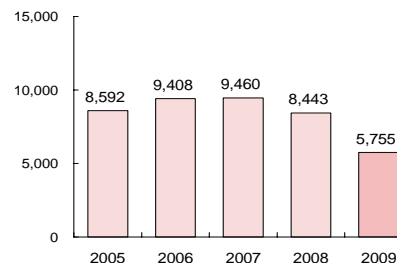
■ Volatile Organic Compound (VOC) Emissions (unit: kg)



■ Water Usage (unit: km<sup>3</sup>)



■ Electric Power Consumption (unit: MWh)



■ Targets and Activities, FY2010 Targets

■ Details (5) TAKAMISAWA ELECTRIC CO., LTD. SHINSHU PLANT

■ FY2009 Targets and Achievements

Aims (FY2009)	Items	Targets (FY2009)	Performances (FY2009)	Status
Reduction of energy consumption related CO <sub>2</sub>	Reduce energy consumption-related CO <sub>2</sub> by 43% from the FY2005 level (311t-CO <sub>2</sub> ) by the end of FY2010. i.e. 177t-CO <sub>2</sub>	Reduce energy consumption-related CO <sub>2</sub> by 42.1% from the FY2005 level i.e. max. 180t-CO <sub>2</sub>	184t-CO <sub>2</sub> (40.8% reduction from FY2005 level) Heating oil for air heating increased.	Failed
Reduction of waste generations	Reduce waste generations by 61.5% from the FY2005 level (6.5t) by the end of FY2009. i.e. max. 2.5t	Reduce by 61.5% from the FY2005 level i.e. max. 2.5t	2.2t (66.1% reduction from FY2005 level)	Done
Environment and social contributions	Promote environmental activities in local communities	Implement contributions at least one activities to society.	Implement one clean up activity for neighbors.	Done

■ Status of Environmental Laws Compliance

We conducted measurements conform to *Water Pollution Control Law, Sewerage Ordinance, Noise Control Law, Vibration Regulation Law* twice a year. Every value was under voluntary threshold, which are set to be within the legal threshold, or legal threshold except for hydrogen-ion concentration under *Sewerage Ordinance*. Takamisawa Electric Co., Ltd. Shinshu Plant holds joint surveys with Chikuma Tsushin Industry Co., Ltd. Main Plant.

■ Legal threshold excess of hydrogen-ion concentration

Hydrogen-ion concentration of 9.3 (Legal threshold:9.0, voluntary threshold:8.9) was detected from the sewerage drain which sampled out on January 20<sup>th</sup>, 2010 and we received the excess notice from Saku City on March 1<sup>st</sup>, 2010. Immediately upon receiving it, we confirmed no damages observed and started the detection of causes. We confirmed that the problem was caused by the household detergent used from December 2009, and changed it to industrial-use detergent, which had been used in the past, on March 10<sup>th</sup>. Abbreviated examinations for hydrogen-ion concentration had been performed until March 18, and we confirmed the effectiveness of the change. The abbreviated examinations were extended until May 1<sup>st</sup> to secure the performances.

Items	Unit	Legal Threshold	Voluntary Threshold	Results (max.)
Water	Hydrogen-ion concentration	ph	5.0 to 9.0	9.3 (8.4 after corrective action)
	Suspended Solid	mg/l	600	540
	Biochemical oxygen demand	mg/l	600	540
	n-hexane extraction	mg/l	5	4.5
	Temperature	degC	max.45	max.40
Noise	Morning,noon,evening	dB		70
	Night	dB	Plant locates exempted area but set out voluntary threshold.	65
Vibration	Day time	dB		70
	Night time	dB		65

Self-survey found chlorine organic compound exceeded the threshold values in 1998. We stopped using objective chemicals and have been going on soil cleaning and monitoring through observation well. We confirmed that the value measured at the observation well at boundary of the site, which is located at downstream of underground water vein, in FY2009. We will keep conducting those actions in FY2010.

Substances	Unit	Groundwater measurement based on Soil Contamination Countermeasures Act		
		Legal Threshold	Results(Max. value in the site)	Results (At observation well located at downstream side of ground water)
Tetrachloroethylene	mg/l	0.01	34	0.0086
Trichloroethylene	mg/l	0.03	1.2	less than 0.005
cis-1,2-dichloroethene	mg/l	0.04	1.9	less than 0.005

■ FY2010 Aims and Targets

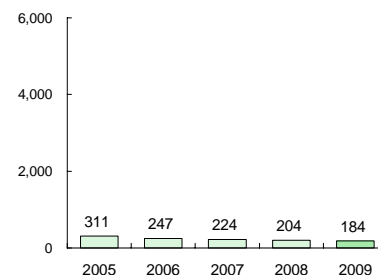
Aims (FY2010)	Items	Targets (FY2010)
Enhancement of environmental load reduction activities	Reduce CO <sub>2</sub> emission created by energy consumption not exceeding 188t-CO <sub>2</sub> ; 54% reduction from the FY2000 level (412t-CO <sub>2</sub> ), by the end of FY2012.	Hold it down to max. 192t-CO <sub>2</sub> .
	Reduce generation of waste not exceeding 2.1t, 34% reduction from the FY2007 level (3.16t) by the end of FY2012.	Hold it down to max. 2.2t.
Environmental and social contributions	We shall contribute to social activities in our local community.	Implement at least one contribution to society.
Promotion of biodiversity conservatory activities	We shall provide the education of biodiversity conservatory for diffusion and edification.	Conduct at least one surveillance for establishing activities.

■ Environmental Load Data

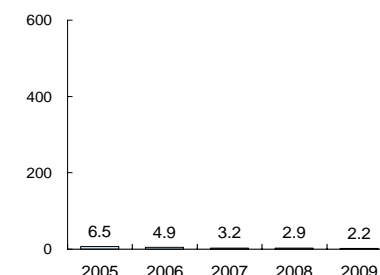
■ Details (5) TAKAMISAWA ELECTRIC CO., LTD. SHINSHU PLANT

■ Environmental Load Data

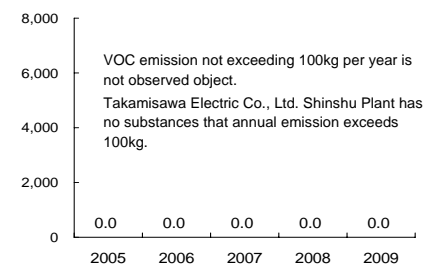
■ CO<sub>2</sub> Emissions (unit: t-CO<sub>2</sub>)



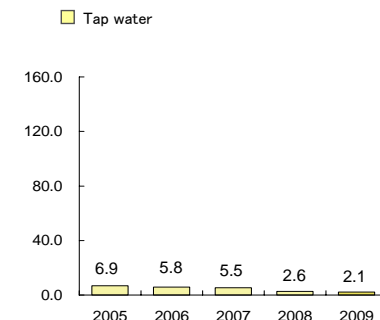
■ Industrial Waste (unit: tonne)



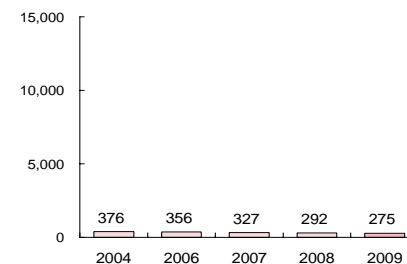
■ Volatile Organic Compound (VOC) Emission (unit: kg)



■ Water Usage (unit: km<sup>3</sup>)



■ Electrical Power Consumption (unit: KWh)



■ FY2009 Targets and Activities, FY2010 Targets

■ Details (6) FUJITSU COMPONENT LIMITED Head Office Group

■ FY2009 Targets and Achievements (Incl. Tokai and Osaka sales offices, Tec Co., Ltd.)

Aims (FY2009)		Targets (FY2009)	Performances (FY2009)	Status
Items	Aims (FY2009)			
Improvement of environmental value of products	Targeting the Green products being developed in FY2007 onward, increase the number of Super Green Products, which carry top class environmental characteristics, by at least 40% <sup>(*)</sup> of all by the end of FY2009. (Joint activities with Engineering & Development Center).  (* We set higher target since original target 20% was cleared. Result in FY2008 was 35.8%)	(Development Dept, Connector Dept.) Referring to Green Products being developed in FY2007 & 2008, increase the number of Super Green Products by at least 40% of all. (Joint activities with Engineering and Development Center).	Connector dept developed 15 Green Products and 6 of them (40%) registered as Super Green Products.	Done
	Achieve eco-efficiency factor 1.2 for Green Products in each product being developed by the end FY2009.	(Development Dept, Connector Dept.) Achieve Factor 1.2 in each product being newly developed.	o-mGC (Phase2) met factor of 1.5.	Done
Promotion of environmental Contribution Products	Increase sales of Green Products and Super Green Products.	(Sales Dept) Monitor sales performances, conduct environmental educations twice a year, conduct enlightenment program.	Sales results were monitored monthly. Two education programs were performed. An eco-drive edification was made.	Done
Global warming countermeasures	Hold down electricity usage to below the Y2005 level (266MWh) by end of FY2010.	Hold down electricity usage to below the FY2005 level per person i.e. 1,310KWh per person	1,133KWh per person (113.5% reduction from the FY2005 level)	Done
Environmental activities in the office	Reduce waste generation by 5.5% from the FY2005 level (266MWh) by the end of FY2010	Reduce by 16.0% from the FY2005 level. i.e. 4.2t.	2.0t (60% reduction from the FY2005 level)	Done
Environmental contributions to society	Promote environmental activities in the communities	Implement at least one contribution to society.	Stamps and prepaid cards were collected and donated for tree planting campaign in Tanzania.	Done

■ Status of Environmental Laws Compliance

We obtain enactment and revision of regulations relating to head office and sales offices. At this point, *Waste Management and Public Cleansing Law, Act for Recycling of Specified Kinds of Home Appliance and Act for Collection and Fracture of Freon* shall be applied for equipment disposal. Internal audit and Fujitsu Group internal audit found that we had no deviancy, administrative guidance, complaint from neighbors in FY2009.

■ FY2010 Aims and Targets (Incl. Tokai and Osaka Sales offices and Tec Co., Ltd.)

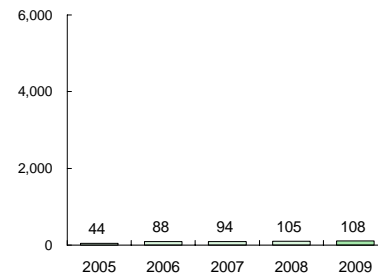
Aims (FY2010)		Targets (FY2010)
Items	Aims (FY2010)	
Improvement of environmental value of products and services	More than 30% of newly developed Green Products shall be Super Green Products, which contribute to energy saving, by the end of FY2012. Sales of those products shall be proceeded.	(Development dept) At least one Super Green Product, which contribute to energy saving, shall be developed.
	Establish calculation method of eco-efficiency factor and LCA, and achieve the eco-efficiency factor of 1.2 on the newly designed Green Products by the end of FY2012 compared with the products developed on FY2008.	[Sales dept] Monitor sales performances, conduct environmental educations twice a year to support sales activities and conduct enlightenment program  Establish calculation method of eco-efficiency factor and LCA and settle the factor value.
Promotion of environmental and social contributions	We shall contribute to social activities in our local community at least one activity	Implement at least one contribution to society.
Promotion of biodiversity conservatory activities	We shall provide the education of biodiversity conservatory for diffusion and edification.	Conduct surveillance for establishing activities and conduct enlightenment.

■ Environmental Load Data

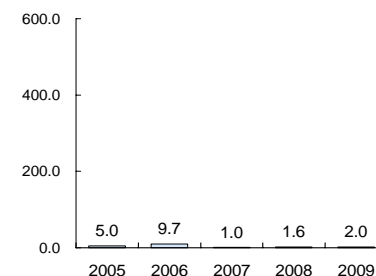
■ Details (6) FUJITSU COMPONENT LIMITED Head Office Group

■ Environmental Load Data

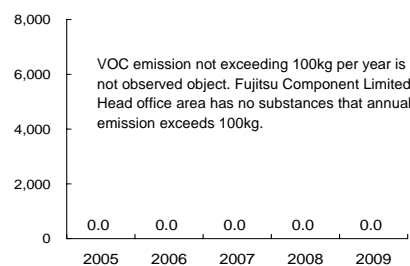
■ CO2 Emission (unit: t-CO2)



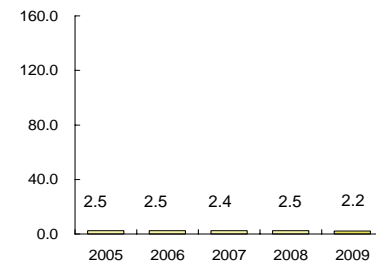
■ Industrial Waste (unit: kg)



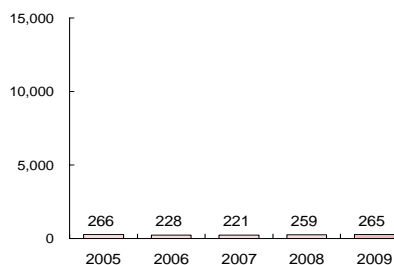
■ Volatile Organic Compound (VOC) Emission (unit: kg)



■ Water Usage (unit: km<sup>3</sup>)



■ Electrical Power Consumption (unit: MWh)



■ FY2009 Targets and Activities, FY2010 Targets

■ Details (7) TOCHIGI TEC CO., LTD.

Operation of Tochigi Tec Co., Ltd was terminated in August 2009. Demise procedure was taken under relative environmental laws, such as *Vibration Regulation Law*, *Noise Control Law*, *Private Sewerage System Act* and *Act for Collection and Fracture of Freon*, and buildings and land were returned to owners.

■ Status of Environmental Laws

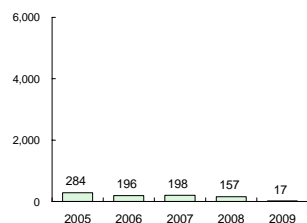
Annual measurements conform to *Noise Control Law* and *Vibration Regulation Law* were performed in every September. Therefore, measurements under those laws were not conducted in FY2010. Below shows the data taken from drain based on *Private Sewerage System Act*.

Items	Unit	Legal Threshold	Voluntary Threshold	Results	
Water purify tanks (30 and 5-person-large)	Hydrogen-ion concentration	pH	5.8 to 8.6	6.0 to 8.4	max.7.2
	Biochemical oxygen demand	mg/l	max.120	max.120	max.90

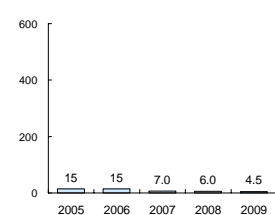
■ Environmental Load Data

FY2009 data shows up to August 2009.

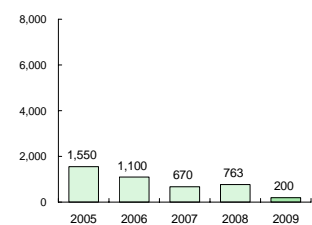
■ CO2 Emissions (unit: t-CO2)



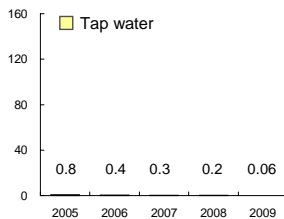
■ Industrial Waste (unit: tonne)



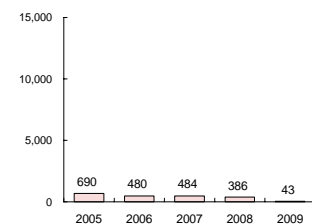
■ Volatile Organic Compound (VOC) Emission (unit: kg)



■ Water Usage (unit: km³)



■ Electrical Power Consumption (unit: MWh)



■ List of Super Green Products

■ List of Super Green Products

We strive to improve environmental performance throughout the product life cycle. We conduct environmental assessment on all products newly developed and oblige them to be *Green Products*, which complies with environmental standards.

In addition, the products at the top class in terms of environmental contribution and/or 3R<sup>®</sup> design technology, and having superior characteristics to others we supply or are available on the market are positioned as *Super Green Products* among *Green Products*. (\* 3R: Recycle, Reuse, Reduce)

Remarks: Evaluation of Super Green Products is at the date of approval date.

Products	Series or Products Name	Approval date	Main Features
Relay	FTR-J2	Mar.2010	10A-450VDC rating, reduced power consumption, weight and volume
	FTR-K1L	Mar.2010	No standby power required (latching), improved shock resistance three times (in comparison with equivalent products from other suppliers)
	FTR-V1	Mar.2010	No Standby Power required (latching)
	FTR-K2W	Aug.2009	Reduced volume. Reduce standby power consumption by setting of hold voltage.
	FTR-F3P	Mar.2009	Reduced volume by 65% (smallest among TV5 rated relays)
	FTR-F1L	Mar.2009	No standby power (latching relay)
	JSL	Mar.2008	Low profile with low power consumption among 8A rating relays
	FTR-H3	Apr. 2005	Improved silency and low profile (19mm)
Connector	88 straight jack	Feb.2010	Reduced occupied volume by 20.9%
	07J for DDR-3	Mar.2010	Reduced temporary-joint piece-parts
	360 right angle plug FCN-365P	Mar.2010	Reduced weight
	260S	Mar.2009	Reduced the total piece-parts quantity by 36%
	10Gbps test board(4X, 12X)	Oct.2008	Reduced volume by 24%(12X), employed coaxial connector reusable construction (4X,12X)
	FCU-010M 10GECX4 Electrical Transceiver Module	Dec.2004	Saved energy (Max. operating power 3W)
Pointing device	N01B-4824-B811/20	Feb.2010	Saved standby energy by approx.50%
Keyboard	FKB1618	Mar.2009	Reduced weight by 20%
Thermal Printer	FTP-627MCL411-R	Mar.2010	Reduced power consumption and increased printing speed
	FTP-63AMCL401-R	Mar.2009	Reduced volume by 24%
	FTP-627MCL401/601	Mar.2008	Reduced weight by 44% and volume by 35% (smallest in the market)
Touch Panel	Multi-input touch panels	Mar.2010	Reduction of pieceparts quantity and elimination of PFOS (Persistent organic pollutants) contained piece-parts
	Touch panel with cushion	Mar.2009	Reduction of piece-parts quantity and elimination of PFOS (Persistent organic pollutant) contained piece-parts
KVM Switch	NC14004-B291-R KVM 8 port	Mar.2010	Reduced weight and volume
	IP remote power controller	Mar.2009	Enabled to remote control of equipment's power consumption by 1W
Wireless Module	MBH7BTZ39 Bluetooth® module	Mar.2010	Reduced the number of piece parts and weight and volume
	MBH7BWZ04 Combo module	Feb.2010	Reduced weight and volume
Others	UWB flexible antenna	Mar.2007	Reduced volume by 87.5%

■ Reference

■ Fujitsu Group Environmental Policy

Based on the policy of manufacturing in harmony with nature since their founding in 1935, Fujitsu Limited has made environmental protection a top management priority and has Established Fujitsu Group Environmental Policy to promote environmental management that reflects the uniqueness of Fujitsu Group business.

■ Philosophy

The Fujitsu Group recognizes that environmental protection is a vitally important business issue. By utilizing our technological expertise in the IT industry and our creative talents, we seek to contribute to the promotion of sustainable development. In addition, while observing all environmental regulations in our business operations, we are actively pursuing environmental protection activities on our own initiative. Through our individual and collective actions, we will continuously strive to safeguard a rich natural environment for future generations.

■ Principles

- We strive to reduce the environmental impact of our products throughout the product lifecycle.
- We are committed to conserving energy and natural resources, and practice a 3R approach (reduce, reuse, recycle) to create best-of-breed eco-friendly products.
- We seek to reduce risks to human health and the environment from the use of harmful chemical substances or waste.
- Through our IT products and solutions, we help customers reduce the environmental impact of their activities and improve environmental efficiency.
- We disclose environment-related information on our business activities, products and services, and we utilize the resulting feedback to critique ourselves in order to further improve our environmental programs.
- We encourage our employees to work to improve the environment, bearing in mind the impact of their business activities and their civic responsibilities.

Established in October, 2002  
President of Fujitsu Limited

■ (Reference) Fujitsu Components Group Companies

Companies	Location	Business activities	share	Consolidated	Other information
FUJITSU COMPONENT LIMITED	Shinagawa a-ku, Tokyo	Head Office Development, Sales	—	—	Engineering & Development Center (Suzaka-shi, Nagano), Sales offices (Nagoya, Osaka, Fukuoka)
SHINANO FUJITSU LIMITED	Iyama-shi, Nagano	Manufacturing, Sales	100%	Consolidated	
MIYAZAKI FUJITSU COMPONENTS LIMITED	Nichinan-shi, Miyazaki	Manufacturing, Sales	100%	Consolidated	Obi Plant (Nichinan-shi, Miyazaki) Hidakajima Plant (Nichinan-shi, Miyazaki)
CHIKUMA TSUSHIN INDUSTRY CO., LTD>	Saku-shi, Nagano	Manufacturing, Sales	100%	Consolidated	Nozawa Plant (Saku-shi, Nagano)
TAKAMISAWA ELECTRIC CO., LTD>	Shinagawa a-ku, Tokyo	Manufacturing, Sales	100%	Consolidated	Shinshu Plant (Saku-shi, Nagano)
TOCHIGI TEC CO., LTD.	Shinagawa a-ku, Tokyo	Manufacturing, Sales	100%	Consolidated	
TOGAKUSHI DENSHI CO., LTD.	Nagano-shi, Nagano	Manufacturing, Sales	100%	Consolidated	100% ow ned by SHINANO FUJITSU LIMITED
TEC CO., LTD.	Shinagawa a-ku, Tokyo	Sales	100%	Consolidated	Sales offices (Nagoya, Osaka)
FUJITSU COMPONENT (MALAYSIA) SDN. LTD.	Johor, Malaysia	Manufacturing, Sales	100%	Consolidated	
FUJITSU COMPONENTS (CHANGZHOU) CO., LTD.	Changzou, China	Manufacturing, Sales	100%	Consolidated	
QINGDAO KOWA SEKO CO., LTD.	Qingdao, China	Manufacturing, Sales	100%	Not consolidated	Since August 2008
TRANSTOUCH TECHNOLOGY INC.	Taoyuan, Taiwan	Manufacturing, Sales	18.75%	Equity method affiliate	
FUJITSU COMPONENTS AMERICA INC.	Sunnyvale, USA	Sales	100%	Consolidated	Branches (Chicago, Boston, Irvine)
FUJITSU COMPONENTS EUROPE B.V.	Amsterdam, the Netherlands	Sales	100%	Consolidated	Branch (Paris, France)
FUJITSU COMPONENTS ASIA PTE LTD	Singapore	Sales	100%	Consolidated	Liaison office (Taipei, Taiwan)
FUJITSU ELECTRONIC COMPONENTS (SHANGHAI) CO., LTD.	Shanghai, China	Sales	100%	Consolidated	
FUJITSU COMPONENTS HONG KONG CO., LTD	Hong Kong, China	Sales	100%	Consolidated	

■ Contact

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