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# **ENVIRONMENTAL REPORT**

## **FY2013**

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

**FUJITSU COMPONENT LIMITED**

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This report primarily focused on the efforts, and accomplishments for FY2012, the period from April 1, 2012 to March 31, 2013, with the data reflecting the actual results for that period. The report also includes our approaches and targets for FY2013, the period from April 1, 2013 to March 31, 2014. FY2013 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

The Great East Japan Earthquake hit in 2011 woke us up to the finite nature of resources and importance of renewable energy. It also reminded us necessity of construction of sustainable society. 2 years past after the Earthquake, the movement toward environmental load reduction including energy saving and utilization of renewable energy is accelerated in worldwide.

Under these circumstances, Fujitsu Components Group has been working on environmental management under the policy that aiming for realization of eco-friendly, human-friendly society through the offer of components that support promotion of energy saving and utilization of natural energy and its application products and greening of business activities.

FY2012 was the final year of the 5<sup>th</sup> Stage Fujitsu Components Group Environmental Protection Program which was set for FY2010 to FY2012. During this period, 63% of newly developed Green Products were registered as Super Green Products against the target ratio of 30%. On environmental efficiency factor, we achieved 1.8 on average of 35 newly developed products against the target ratio of 1.2. We also accomplished the targets relating to our business activities in the period; reduction of energy consumption CO<sub>2</sub>; reduction of emission of priority chemicals; reduction of waste generation. In addition, Miyazaki Fujitsu Components Limited won Kyusyu Bureau of Economy, Trade and Industry, Head of Bureau Award for their contribution to energy saving through improvement of energy utilization technology.

In FY2013, we established middle-term plan, the 6<sup>th</sup> Stage Fujitsu Components Group Environmental Protection Program considering our own performance on the 5<sup>th</sup> Stage's. We will challenge further environmental load reduction aiming to "development and offer of eco-friendly products", "collaboration with society" "activities as good corporate citizens" "reduction of green house gas" "improvement of energy efficiency" "promotion to reduce CO<sub>2</sub> emission of business partners" and "holddown of waste generation".

Fujitsu Components Group recognizes roles and responsibility a company must carry out towards environment and biodiversity conservatory, and contributes for realization of sustainable environment and society along with Fujitsu Group's *Green Policy 21*, *Green Policy 2020* and *Green Policy Innovation*.

## 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.



Kyushu Bureau of Economy, Trade and Industry, Head of Bureau Award for electricity / energy saving activities of Miyazaki Fujitsu Components Limited.

## Environmental Policy, Environmental Protection Program

Placing the realization of low-carbon society and environment protection as one of the top management priorities, we conduct business activities in a planned and consistent way based on Fujitsu Group *Green Policy 2020*<sup>(Note 1)</sup> and environmental load reduction program by green ICT *Green Policy Innovation*.

(Note 1) Fujitsu Green Policy 2020 URL: <http://www.fujitsu.com/global/about/environment/approach/greenpolicy2020>

### ■ Group Environmental Policy (Revision April 1, 2013, Senior Representative Group EMS)

Fujitsu Components Group, a member of Fujitsu Group, recognized the value and importance of protecting the global environment 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 offer the products contribute to achieve both environment and economy.
3. We comply with various environmental laws which involve our activities, products and services and other requirements we agree.
4. 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.
5. We promote the following items as the most important environmental management among the environmental aspects which our activities, products and services involve:
  - Development and provision of eco-friendly products.
  - Co-operation with society and activities as a good corporate citizen.
  - Reduction of greenhouse gas (GHG) emission.
  - Improvement of energy efficiency.
  - Promotion of reduction of CO<sub>2</sub> emission in partner companies
  - Limitation of waste emission.
6. Every staff shall strive to improve the environment including climate control and biodiversity conservatory through their work and as a citizen, and try to diffuse enlightenment.

Supplement 1. This policy is documented and made public to our employees, our group members and other parties concerned.

### ■ The 6<sup>th</sup> Stage Group Environmental Protection Program (Established on April 1, 2013)

This Environmental Protection Program states the actual action plans to implement our group Environmental Policy and important control items. It is the medium term action plan to be achieved by FY2015.

This Program is subject to change by the review of Fujitsu Group and the result of value confirmation by Fujitsu Components Group.

#### [ Development and provision of eco-friendly products ]

Each product family should develop at least one new eco-friendly product which meets either of the following requirements by FY2015.

- i. Product family capable of energy efficiency approach shall develop a leading energy-efficient product.<sup>(Note1)</sup>
- ii. Product family that has difficulty to take an energy efficiency approach shall develop a product of which resource efficiency is increased by 2% or more compared to FY2011.<sup>(Note2)</sup>

#### [ Cooperation with society ]

We promote resource provision through collection of used stamps, eco-cap recovery etc. for the activities addressing resolution of social and environmental issues such as biodiversity conservatory.

#### [ Activities as a good corporate citizen ]

We continuously enhance social contribution activities that corporate members work though with their society.

#### [ Reduction of greenhouse gas (GHG) emission ]

We will reduce total emission amount of energy origin CO<sub>2</sub> by 30% compared to FY2000 (22,777t-CO<sub>2</sub>) by FY2015.

#### [ Improvement of energy efficiency ]

We will improve specific energy consumption in a facility by an average of 1% per year.<sup>(Note3)</sup>

#### [ Promotion of reduction of CO<sub>2</sub> emission in partner companies ]

We will enhance approach to reduce CO<sub>2</sub> emission to all kind of partner companies.

#### [ Limitation of waste emission ]

We will freeze generation of waste so that it does not exceed an average of FY2007 to FY2011 totals (839t) by FY2015.

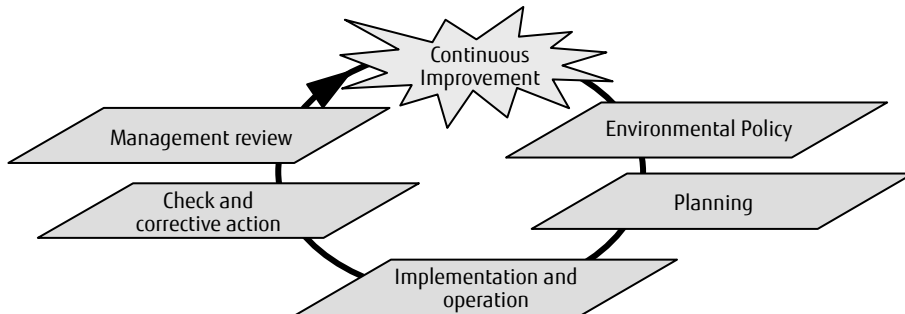
(Note1) Leading products (world-first, industry-first, world-best, industry-best) in and other products which meet the criteria that requires to rank in the top 25% in the market in energy efficiency.

(Note2) Improvement of product's resource-saving (being smaller, lighter, thinner, reducing number of parts) or resource circulation (reducing waste amount, recycle).

(Note3) specific energy consumption means energy consumption amount per unit such as per sales amount, per production quantity, etc.

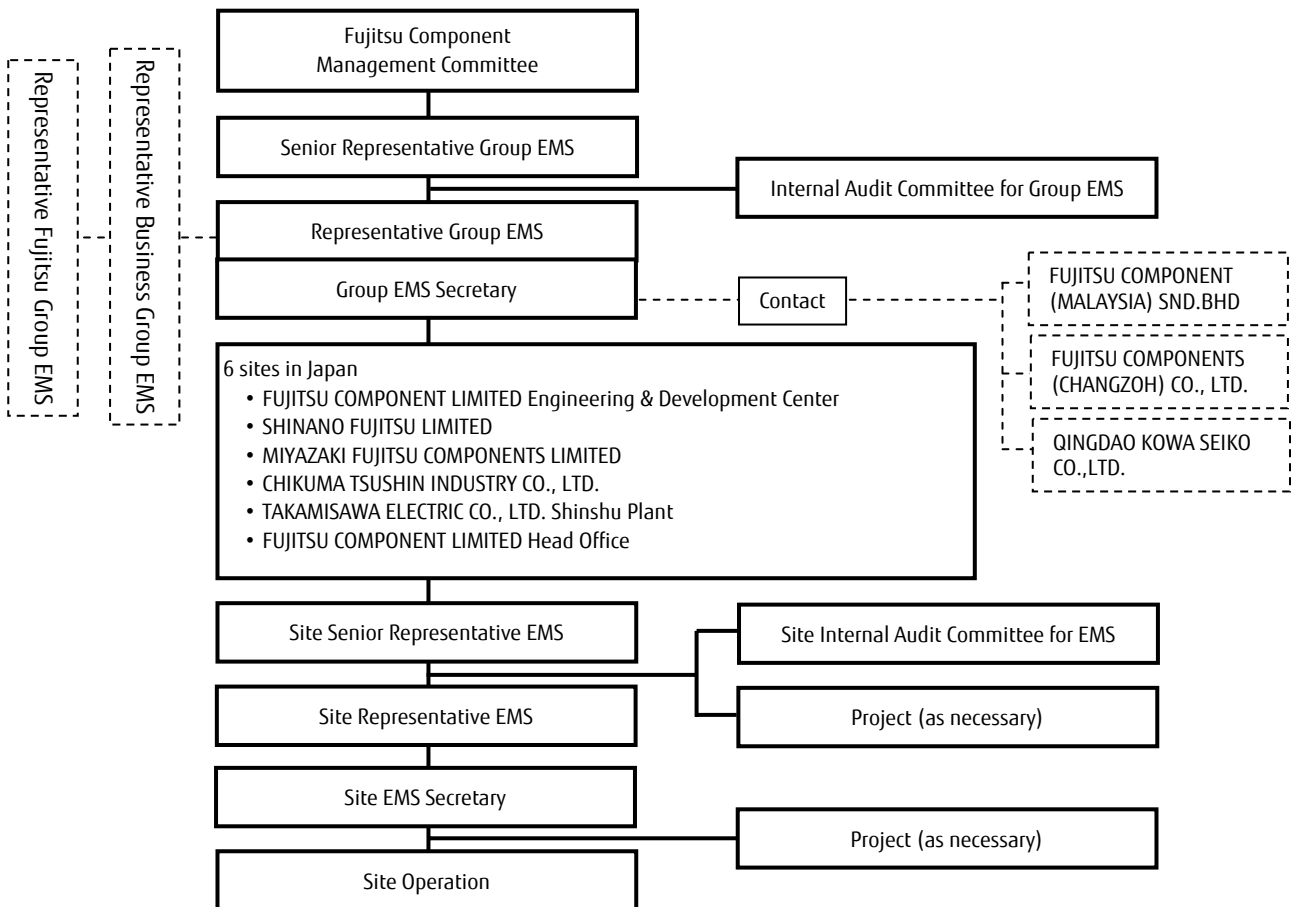
## Environmental Management System

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



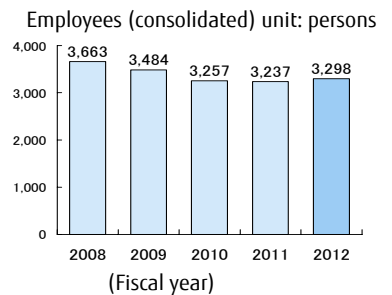
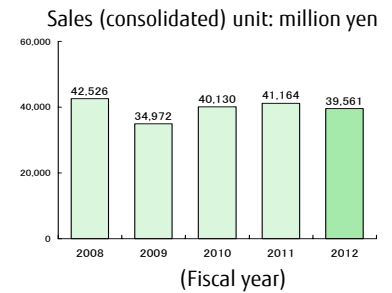
### Organization of Environmental Activities

Our activities are conducted by Senior Representative Group EMS and Site Senior Representative EMS and Site Representative EMS in each 6 site in Japan who report to him. 3 overseas sites have independent environmental committees and operate in close contact with Environmental Committee. We conduct activities in cooperation with the Fujitsu Group's environmental organizations.



## Group Profile

Head Office	FUJITSU COMPONENT LIMITED
Address	3-5 Higashi-Gotanda 2-chome, Shinagawa-ku, Tokyo 141-0022, Japan
President	Koichi Ishizaka
Foundation	September 17, 2001
Main Business	Manufacturing and sales 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, 2013)
Sales	39,561 million yen (consolidated, FY2012)
Financial year end	March 31
Employees	3,298 (consolidated, as of end of March 2013)
Equity Market	Second Section of the Tokyo Stock Exchange, code 6719
Group Composition	The Group is composed of total 13 companies; 6 Japanese companies including 1 sales company, and 7 overseas companies including 5 sales companies.



### ■ Environmental Management Applicable Sites (Fujitsu Component Limited Engineering & Development Center works as primary)

Site	Location	Employees	Business Activities	ISO14001:2004 status
FUJITSU COMPONENT LIMITED Engineering & Development Center	Suzaka-shi, Nagano	335	Development and design of Fujitsu Component's products. Manufacturing of touch panels (Shinano Fujitsu Limited)	Organization: Japan Audit and Certification for Environment and Quality (JACO) Number: EC98J2005 D600 Validity: March 22, 2015
SHINANO FUJITSU LIMITED	Iiyama-shi, Nagano	465	Manufacturing of Fujitsu Component's products and customized printed boards.	
MIYAZAKI FUJITSU COMPONENTS LIMITED	Nichinan-shi, Miyazaki	311	Manufacturing of relays	
CHIKUMA TSUSHIN INDUSTRY CO., LTD.	Saku-shi, Nagano	117	Manufacturing of relay parts	
TAKAMISAWA ELECTRIC CO., LTD. Shinshu Plant	Saku-shi, Nagano	29	Manufacturing of relay parts	
FUJITSU COMPONENT LIMITED Head office	Shinagawa-ku, Tokyo Nagoya-shi, Aichi Osaka-shi, Osaka	205	Development and design of wireless module, group management, sales of products	

Note 1) Employees in each sites are as of March 31, 2013.

Note 2) Fujitsu Component Limited Head Office Group includes Tokai (Aichi) and Osaka (Osaka) sales office and TEC Co., Ltd.

Note 3) Kyusyu sales office (Fukuoka) takes activity under Fujitsu Electronics Limited Kyusyu sales office.

### ■ 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: ER 0124 Validity: July 27, 2016
FUJITSU COMPONENTS (CHANGZHOU) CO., LTD.	Changzhou, China	Manufacturing of relays	Organization: CHINA QUALITY CERTIFICATION CENTRE Number: 00111E20514R2M/3200 Validity: April 24, 2014
QINGDAO KOWA SEIKO CO.,LTD.	Qingdao, China	Manufacturing of relay parts	Organization: CHINA QUALITY CERTIFICATION CENTRE Number: 00110E20300R0M/3700 Validity: January 14, 2016

## Topics of Environmental Activities

### Development of Eco-friendly Products

#### Green Products, Super Green Products

We aim for environmental load reduction for our customers, and oblige newly developed products to be *Green Products*, which comply with environmental assessment. In addition, we position the products which meet both energy saving and other factors (resource saving, contained chemicals, environment-contribution substances etc.) as *Super Green Product*, and promote development of higher level eco-friendly products.

Super Green Product = (to be a Green Product) + (energy saving + other top class environmental factor)

Note) Super Green Products are approved by Fujitsu Limited.

#### Super Green Products in FY2012

In FY 2012, 2 products were approved as Super Green Products. Here is the list of approved products.

Product	Series/Product name	Features
Relay	FTR-V2 latching relay	Standby power consumption 0W. Improvement of continuous current ability per unit consumption power. Compliance of various regulations for chemical content.
KVM Switch	16-port drawer with KVM	Reduction of standby power consumption by 90%. ENERGY STAR® qualified drawer (Display standards ver. 5.1).

### Reducing Products' Environmental Load by Using the Eco-efficiency Factor

Eco-efficiency factor is an environmental criterion that is able to evaluate improvement of product value and reduction of environmental load in quantitative form. We have designed and developed toward the target that all newly developed products achieve factor 1.2 or more compared with FY2008 products.

$$\text{Eco-efficiency factor} = \frac{\text{Improvement of Product value}}{\text{Reduction of Environmental Load}}$$

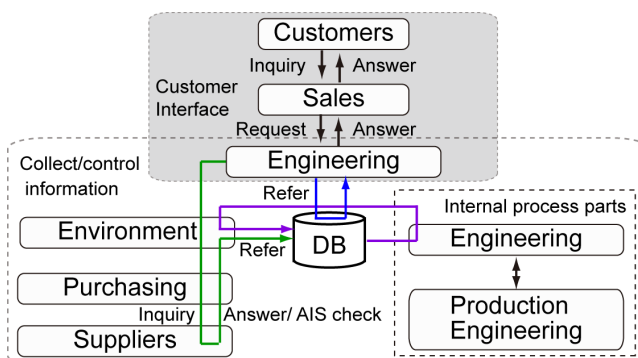
Eco-efficiency factor average of 35 green products newly developed in FY2010 to FY2012 came out 1.8.

### Management of the Restricted Chemical Substances in Products and REACH Regulation

We have specified banned chemicals to contain/use and controlled those chemicals, and have confirmed that the contained chemicals in the procuring parts and/or shipping products are under the threshold.

We have been gathering chemical data and creating a data base on AIS<sup>(\*)</sup> for appropriate management and transmission of information to correspond regulatory in foreign countries and each manufacturer's own standards that are reviewed in association with increase of banned chemicals and usage.

\* AIS: Article Information Sheet, a standard format to disclose/transmit information of chemical contained.



## Topics of Environmental Activities

### ■ Green Procurement

The Group aims to contribute reduction of environmental load through business activities. We work harmoniously with society through global value chain with our partners to achieve sustainable and affluent society.

We therefore ask our business partners to work on following items and confirm their activities. We will expand the requirements to all partners in all areas.

- i. Establishment of Environmental Management System (EMS)
- ii. Establishment of Chemical Management System (CMS)
- iii. Compliance with each regulation concerning the controlled chemicals in the Group
- iv. Improvement of activities to reduce CO<sub>2</sub> emission
- v. Efforts in biodiversity conservatory
- vi. Efforts in water resources conservation

### ■ Global Warming Countermeasures

After the Great East Japan Earthquake, electricity supply situation was changed significantly. Rise of fuel cost by correction of the yen appreciation brought electricity supply shortfall and rise in electricity cost.

The Group continuously has been taking effort for electricity saving and energy saving measures. All sites implemented energy saving activities especially focused on reduction of peak-time electricity. In parallel, major production sites start emission intensity control from FY2013 to improve energy efficiency. Its target rate is 1% or more per year.



Miyazaki Fujitsu Components Limited  
Replaced 75kw compressors with energy-saving ones and applied sound deadening treatment



Shinano Fujitsu Limited  
Heat shield sheets on factory roof

### ■ Waste Management

All wastes generated in the Group except general waste from business activities corresponds "Zero-emission", which can be used efficiently. And all wastes are separated by type for reuse. Plating industry sludge is dried to reduce volume and weight. Glass mill ends generated in touch panel manufacturing process is burned and its slag is utilized as construction material. On the other hand, we are searching a partner company who has the technology extracts precious metals from those wastes.



## Topics of Environmental Activities

### ■ Compliance and Prevention of Environmental Pollution

We realize that legal compliance is one of top priorities to keep business running, we ensure to keep constant observation and try to improve control level. The sites that have the potential for causing environmental pollution under *Water Pollution Control Act, Soil Contamination Countermeasures Act, Air Pollution Control Act, Noise Regulation Act, Vibration Regulation Act* etc. to neighboring area take measures to forestall pollution, prepare emergency manuals, conduct emergency drill, and take other measures to minimize impact.

Concerning excess chlorinated organic compounds found by our self-inspection at TAKAMISAWA ELECTRIC CO., LTD. Shinshu Plant, we have been keeping soil cleaning, and we confirmed that there was no complaint from neighborhood.

We have been investigating for complete clarification; trying new clarification methods, repeating simulations, through progressive clarification technologies.



Leak chemical recovery drill



Non-proliferation drill

### ■ Environmental and Social Contribution

Each site continues 1 or more contribution activities every year. Participants and effects are increasing gradually.



"Suzaka City Clean & Walk Campaign"  
Fujitsu Component Limited  
Engineering & Development Center



Kitago Lakeside Park to Hiroto Dam  
area cleaning (Clean Hike)  
Miyazaki Fujitsu Components Limited

### ■ Effort in Biodiversity Conservatory

Each site collected information about biodiversity conservatory and carried out possible activities in a positive manner. We plan further activities including support for community groups and NGO coping with solutions of social and environmental issues.



Cleanup of spawning coast of  
loggerheads turtles  
Miyazaki Fujitsu Component Limited



Extermination of alien plant  
Shinano Fujitsu Limited

## FY2012 Fujitsu Component Group Targets and Achievements (The 5<sup>th</sup> Stage Group Environmental Protection Program – The Final Year)

Item	The 5 <sup>th</sup> Stage Group Environmental Protection Program Aim	FY2012 Target	FY2012 Result
Improve environmental value of products and services	More than 30% of newly developed products shall be Super Green Products.	More than 30% of newly developed products and min. one from each product group shall be Super Green Products.	Total 8 from 7 product groups, 62% in FY2012. 63% from FY2010 to FY2012. <sup>(*)</sup>
	Achieve the factor of 1.2 on the newly developed products compared with FY2008 products.	Achieve the eco-efficiency factor of 1.2.	Average of 35 products developed from FY2010 to FY2012 rated 1.8.
Enhance own environmental load reduction plan	Reduce CO <sub>2</sub> emission not exceeding 18,200t-CO <sub>2</sub> , 20% reduction from the FY2000 level.	Hold it down to below 16,230t-CO <sub>2</sub> . <sup>(*)</sup>	14,307t-CO <sub>2</sub> (37% reduction from FY2000)
	Procure all materials from the suppliers who have a program to reduce CO <sub>2</sub> emission.	All materials shall be procured from those suppliers at objective sites.	100% (Objective 153 suppliers)
	Reduce specified priority chemicals not exceeding 7,200kg, 20% reduction from FY2007 level.	Hold it down to below 7,120kg. <sup>(*)</sup>	6,464kg (28% reduction from FY2007)
	Reduce generation of waste not exceeding 875t, 10% reduction from FY2007 level.	Hold it down to below 823t. <sup>(*)</sup>	651t (33% reduction from FY2007)
Promote environmental & social contribution activities	Contribute to social activities in local community at least once a year per site.	Implement min. 1 activity at each site, total 11 activities.	Total 13 activities
Promotion of biodiversity conservatory activities	Implement biodiversity conservatory activities and provide education for diffusion and edification at each site.	Implement min. 1 activity at each site, total 6 activities.	Total 10 activities
	Procure all materials from the suppliers who declare effort for biodiversity conservatory.	All materials shall be procured from those suppliers at objective sites.	100% (Objective 153 suppliers)

(\*) Including Fujitsu Component's own registration items.

(\*) FY2012 target value was revised up than aim's by changing production plan, addition of measurement items, reduction effect review.

## The 6<sup>th</sup> Stage Group Environmental Protection Program Aims (FY2013 to FY2015) and FY2013 Targets

Middle term aims for FY2013 to FY2015 was established on April 1, 2013. Also single year target was set.

Item	The 6 <sup>th</sup> Stage Group Environmental Protection Program Aim	FY2013 Target
Social contribution activities	<b>&lt;Development and offer of eco-friendly product&gt;</b> Develop min. one eco-friendly product in each product group corresponds to any of the following conditions; (i) Top-level in energy efficiency <sup>(*)</sup> (ii) Increase resource efficiency more than 2% compared with FY2011 <sup>(*)</sup>	Develop min. 2 products correspond to any of the conditions.
	<b>&lt;Cooperation with society&gt;</b> Promote activities to challenge biodiversity and other social/environmental issues.	Implement min. 1 at each site, total 13 activities.
	<b>&lt;Activities as good corporate citizens&gt;</b> Expand and continue social contribution activities that employees take effort with society.	Implement social contribution activities min. 1,160 hours in total of all sites.
Own business activities	<b>&lt;Reduction of Green House Gas (GHG) emission&gt;</b> Reduce energetic origin CO <sub>2</sub> emission by min. 30% compared with FY2000.	Hold it down to below 15,640t-CO <sub>2</sub> .
	<b>&lt;Improvement of energy efficiency&gt;</b> Improve emission intensity by an average of 1% per year.	Achieve improvement rate min.1% by an average of 3 objective sites. <sup>(*)</sup>
	<b>&lt;Promotion to reduce CO<sub>2</sub> emission of business partners&gt;</b> Expand effort to reduce CO <sub>2</sub> emission to all business partners.	Select objective partners and assess their effort.
	<b>&lt;Holddown of waste emission&gt;</b> Hold down waste emission to below average of FY2007 to FY2011.	Hold it down to below 778t.

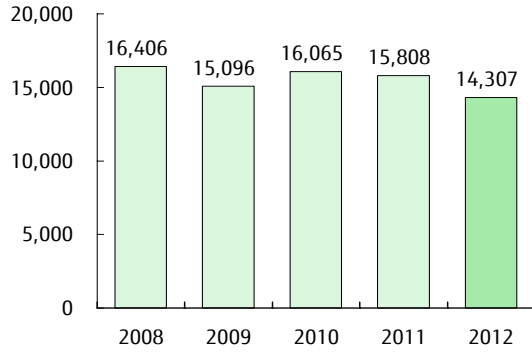
(\*) Products in top 25% in the market or equivalent in energy efficiency.

(\*) Improvement of product's resource saving (miniaturize, weight saving, low-profile, piece-part reduction) or resource circulation (waste reduction, recycle).

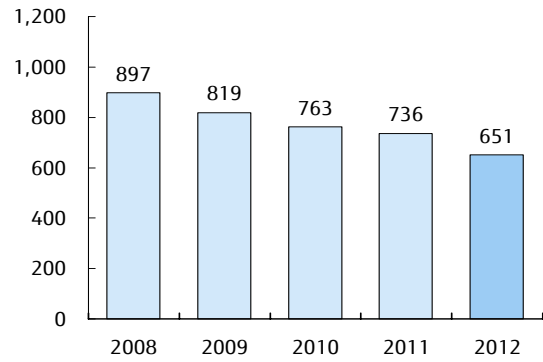
(\*) FUJITSU COMPONENT LIMITED Engineering & Development Center, SHINANO FUJITSU LIMITED, MIYAZAKI FUJITSU COMPONENTS LIMITED.

## Environmental Load Data (Group Total)

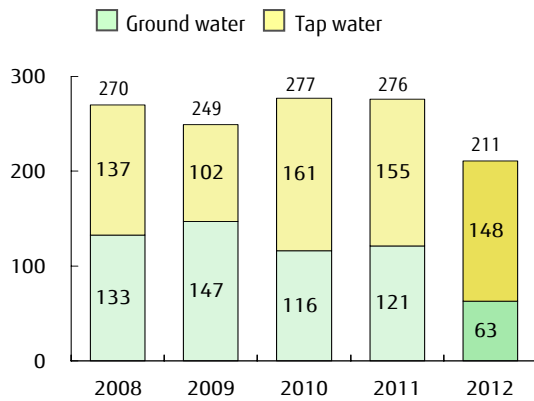
■ CO<sub>2</sub> Emissions (Unit : t-CO<sub>2</sub>)



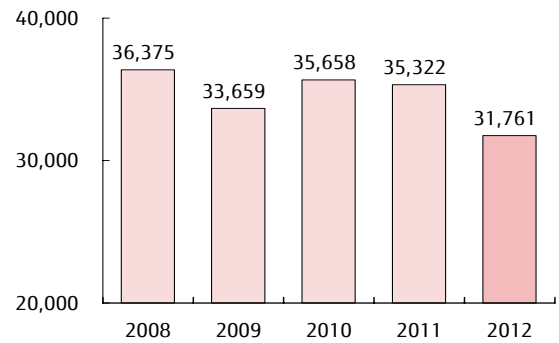
■ Waste (Unit : t)



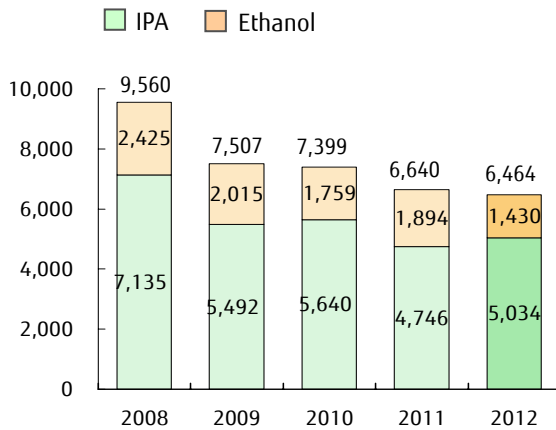
■ Water Usage (Unit : km<sup>3</sup>)



■ Electric Power Consumption (Unit : MWh)



■ IPA and Ethanol Emissions (Unit : kg)



## FY2012 FUJITSU COMPONENT LIMITED Engineering & Development Center Targets and Achievements

Item	FY2012 Aim	FY2012 Target	FY2012 Result
Improvement of environmental value of products and services	More than 30% of newly developed products shall be Super Green Products.	Develop Super Green Product more than 30% of newly developed products and min. one from each product group.	Total 8 from 7 product groups, 62% in FY2012. 63% from FY2010 to FY2012.
	Achieve the factor of 1.2 on the newly developed products compared with FY2008 products.	Achieve the eco-efficiency factor of 1.2.	Average of 35 products developed from FY2010 to FY2012 rated 1.8.
Enhancement of own environmental load reduction plan	Reduce energy consumption CO <sub>2</sub> not exceeding 3,640t-CO <sub>2</sub> , 62% reduction from FY2000. <sup>(*)1</sup>	Hold it down to below 3,640t-CO <sub>2</sub> .	3,562t-CO <sub>2</sub> (63% reduction from FY2000).
	Procure all materials from the suppliers who have a program to reduce CO <sub>2</sub> Emissions.	All materials shall be procured from those suppliers.	100% (Objective 92 suppliers)
	Reduce VOC objective ethanol emissions not exceeding 1,800kg, 3% reduction from FY2007 result. <sup>(*)2</sup>	Hold it down to below 1,800kg.	1,430kg (17% reduction from FY2007)
	Reduce generation of waste not exceeding 176t, 2% reduction from FY2007 result. <sup>(*)1</sup>	Hold it down to below 176t.	171t (5% reduction from FY2007).
Promotion of environmental & social contribution activities	Contribute to social activities at least once a year.	Implement min.1 activity.	1 activity
Promotion of biodiversity conservatory activities	Implement biodiversity conservatory activities and provide education for diffusion and edification.	Implement min. 1 activity.	1 activity
	Procure all materials from the suppliers who declare effort for biodiversity conservatory.	All materials shall be procured from those suppliers.	100% (Objective 92 suppliers)

(\*)1 FY2012 aim and target were revised up because of additional measures. CO<sub>2</sub>: 3,871t-CO<sub>2</sub> to 3,640t-CO<sub>2</sub>, Waste : 210t to 176t.

(\*)2 FY2012 aim and target of VOC objective ethanol emission were revised up from 1200t to 1,800t because of touch panel production increase.

## FY2013 FUJITSU COMPONENT LIMITED Engineering & Development Center Aims and Targets

Item	Aim (FY2013 to FY2015)	Target (FY2013)
Social contribution activities	<b>&lt;Development and offer of eco-friendly product&gt;</b> Develop min. one eco-friendly product corresponds to any of the following conditions; (i) Top-level in energy efficiency. (ii) Increase resource efficiency more than 2% compared with FY2011.	Develop min. 1 product corresponds to any of the condition.
	<b>&lt;Cooperation with society&gt;</b> Promote activities to challenge biodiversity and other social/environmental issues.	Implement min. 2 activities.
	<b>&lt;Activities as good corporate citizens&gt;</b> Expand and continue social contribution activities that employees take effort with society.	Implement min. 350 hours in total.
Own business activities	<b>&lt;Reduction of Green House Gas (GHG) emission&gt;</b> Reduce energetic origin CO <sub>2</sub> emission by 50% compared with FY2000.	Hold down to 3,700t-CO <sub>2</sub> .
	<b>&lt;Improvement of energy efficiency&gt;</b> Improve emission intensity in site by an average of 1% or more.	Improve min.1% compared with FY2012.
	<b>&lt;Promotion to reduce CO<sub>2</sub> emission of business partners&gt;</b> Expand effort to reduce CO <sub>2</sub> emission to all business partners.	Select objective partners and assess their effort.
	<b>&lt;Holddown of waste emission&gt;</b> Hold down waste emission to below 270t.	Hold it down to below 205t.



Honored by Suzaka City for attending "Suzaka City Clean & Walk Campaign".

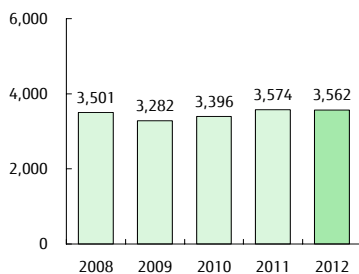
■ Status of Environmental Low Compliance

We conducted measures conform to *Air Pollution Control Act*, *Vibration Regulation Act*, *Noise Regulation Act*, *sewerage Act* twice a year. We confirmed that every value was under voluntary thresholds, which are set to be within the legal threshold. Below table shows the result of major substances.

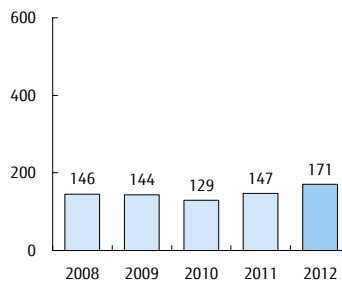
Item		Unit	Legal Threshold	Prefecture Threshold	Voluntary Threshold	Result
Air Pollution Control Act	Sulfur Oxide concentration	Nm <sup>3</sup> /h	--	--	max. 2.5	0.039
	Nitrogen Oxide	ppm	260	180	max. 150	72
Noise Regulation Act	Morning, evening	dB	55 - 65	60	max. 55	51.2
	Noon time	dB	60 - 65	60	max. 55	51.6
	Night time	dB	50 - 55	50	max. 47.5	47.3
Vibration Regulation Act	Noon time	dB	65 - 70	65	max. 60	32.4
	Night time	dB	60 - 65	60	max. 55	31.0
Sewerage Act	Hydrogen-ion concentration (pH)	--	5.0 - 9.0	5.0 - 9.0	5.1 - 8.9	6.8 - 7.2
	Biochemical Oxygen Demand (BOD)	mg/l	600	600	max. 300	87
	n-hexane extraction (mineral oil)	mg/l	5	5	max. 4	less than 2.4

■ Environmental Load Data

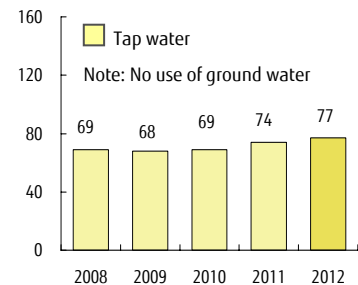
■ CO<sub>2</sub> Emissions (Unit : t-CO<sub>2</sub>)



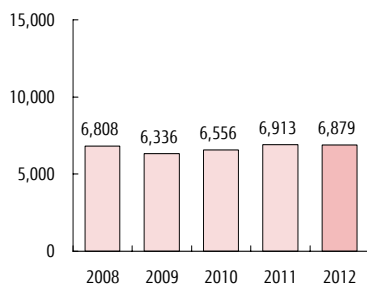
■ Waste (Unit : t)



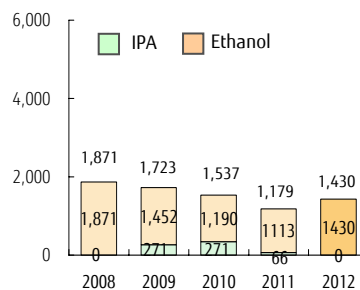
■ Water Usage (Unit : km<sup>3</sup>)



■ Electric Power Consumption (Unit : MWh)



■ IPA and Ethanol Emissions (Unit : kg)



## FY2012 SHINANO FUJITSU LIMITED Targets and Achievements

Item	FY2012 Aim	FY2012 Target	FY2012 Result
Enhancement of own environmental load reduction plan	Reduce energy consumption CO <sub>2</sub> not exceeding 3,589t-CO <sub>2</sub> , 187% reduction from FY2000 result.	Hold it down to below 3,589t-CO <sub>2</sub> .	3,202t-CO <sub>2</sub> (27% reduction from FY2000).
	Procure all materials from the suppliers who have a program to reduce CO <sub>2</sub> emission.	All materials shall be procured from those suppliers.	100% (Objective 15 suppliers)
	Reduce VOC objective IPA emission not exceeding 4,300kg, 24% reduction from FY2007 result.	Hold it down to below 4,300kg.	4,279kg (25% reduction from FY2007).
	Reduce generation of waste not exceeding 440t, 12.5% from FY2007 result.	Hold it down to below 440t.	335t (33% reduction from FY2007).
Promotion of environmental & social contribution activities	Contribute to social activities at least once a year.	Implement min. 1 activity	2 activities.
Promotion of biodiversity conservatory activities	Implement biodiversity conservatory activities and provide education for diffusion and edification.	Implement min. 1 activity	2 activities.
	Procure all materials from the suppliers who declare effort for biodiversity conservatory.	All materials shall be procured from those suppliers.	100% (Objective 15 suppliers).

## FY2013 SHINANO FUJITSU LIMITED Aims and Targets

Item	Aim (FY2013 to FY2015)	Target (FY2013)
Social contribution activities	<b>&lt;Cooperation with society&gt;</b> Promote activities to challenge biodiversity and other social/environmental issues.	Implement min. 2 activities.
	<b>&lt;Activities as good corporate citizens&gt;</b> Expand and continue social contribution activities that employees take effort with society.	Implement min. 375 hours in total.
Own business activities	<b>&lt;Reduction of Green House Gas (GHG) emission&gt;</b> Reduce energetic origin CO <sub>2</sub> emission not exceeding 3,402t-CO <sub>2</sub> , 22% reduction from FY2000.	Hold it down to below 3,472t-CO <sub>2</sub> .
	<b>&lt;Improvement of energy efficiency&gt;</b> Improve emission intensity by an average of 1% per year.	Improve min. 1%.
	<b>&lt;Promotion to reduce CO<sub>2</sub> emission of business partners&gt;</b> Expand effort to reduce CO <sub>2</sub> emission to all business partners.	Select objective partners and assess their effort.
	<b>&lt;Holddown of waste emission&gt;</b> Hold down waste emission to below 375t.	Hold it down to below 383t.



Extermination of Tall Golden rod (alien plant)

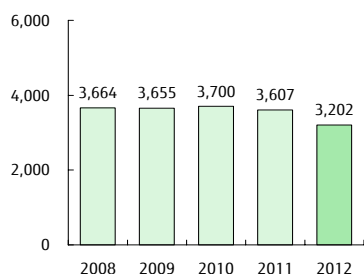
■ Status of Environmental Law Compliance

There is no item environmental laws or regulations shall be applied. However, we set voluntary control value based on the legal threshold and monitor them. Measured values are shown in below table.

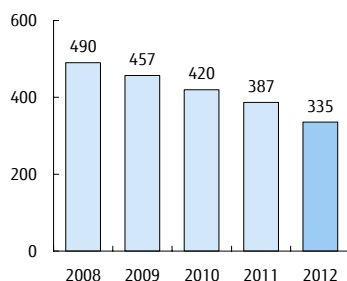
Item		Unit	Legal Threshold	Prefecture Threshold	Voluntary Threshold	Result
Air Pollution Control Act	Sulfur Oxide concentration	Nm <sup>3</sup> /h	--	--	max. 1	0.026
	Nitrogen Oxide	ppm	--	--	max. 108	33
Noise Regulation Act	Morning, evening	dB	--	--	max. 70	50.7
	Noon time	dB	--	--	max. 70	50.4
	Night time	dB	--	--	max. 65	49.8
Vibration Regulation Act	Noon time	dB	--	--	max. 70	34.2
	Night time	dB	--	--	max. 65	32.0
Sewerage Act	Hydrogen-ion concentration (pH)	--	5.0 - 9.0	--	5.5 - 8.5	8.2
	Biochemical Oxygen Demand (BOD)	mg/l	600	--	max. 550	71
	n-hexane extraction (plant/animal oil)	mg/l	30	--	max. 15	4.4

■ Environmental Load Data

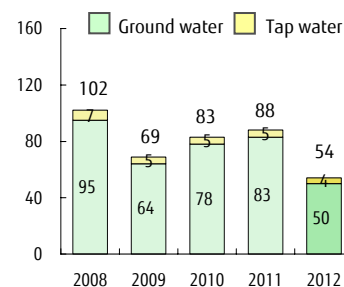
■ CO<sub>2</sub> Emissions (Unit : t-CO<sub>2</sub>)



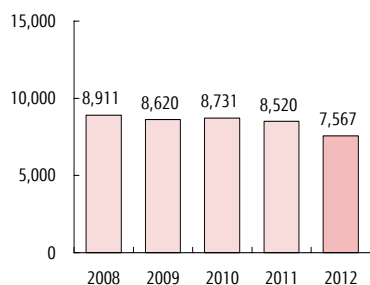
■ Waste (Unit : t)



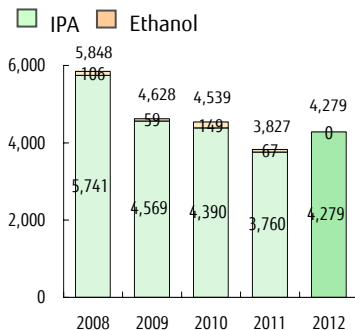
■ Water Usage (Unit : km<sup>3</sup>)



■ Electric Power Consumption (Unit : MWh)



■ IPA and Ethanol Emissions (Unit : kg)





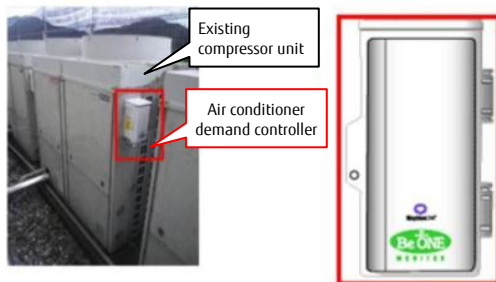
## FY2012 MIYAZAKI FUJITSU COMPONENTS LIMITED Targets and Achievements

Item	FY2012 Aim	FY2012 Target	FY2012 Result
Enhancement of own environmental load reduction plan	Reduce energy consumption CO <sub>2</sub> not exceeding 6,400t-CO <sub>2</sub> , 187% reduction from FY2000.	Hold it down to below 6,400t-CO <sub>2</sub> .	5,273t-CO <sub>2</sub> (154% reduction from FY2000).
	Procure all materials from the major suppliers who have a program to reduce CO <sub>2</sub> emission.	All materials shall be procured from those suppliers.	100% (Objective 27 suppliers).
	Reduce VOC emission by 30% from FY2007 result.	Hold it down to below 1,020kg.	755kg (48% reduction from FY2007).
	Reduce generation of waste by 15% from FY2007 result.	Hold it down to below 65.0t.	58.3t (24% reduction from FY2007).
Promotion of environmental & social contribution activities	Contribute to social activities at least once a year.	Implement min. 3 activities.	3 activities.
Promotion of biodiversity conservatory activities	Implement biodiversity conservatory activities and provide education for diffusion and edification.	Implement min. 1 activity	2 activities.
	Procure all materials from the suppliers who declare effort for biodiversity conservatory by the end of FY2012.	All materials shall be procured from those suppliers.	100% (Objective 27 suppliers).

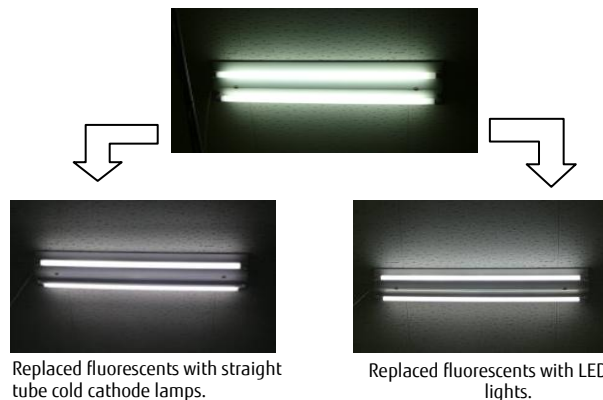
## FY2013 MIYAZAKI FUJITSU COMPONENTS LIMITED Aims and Targets

Item	Aim (FY2013 to FY2015)	Target (FY2013)
Social contribution activities	<b>&lt;Cooperation with society&gt;</b> Promote activities to challenge biodiversity and other social/environmental issues.	Implement min. 2 activities.
	<b>&lt;Activities as good corporate citizens&gt;</b> Expand and continue social contribution activities that employees take effort with society.	Implement min. 300 hours in total.
Own business activities	<b>&lt;Reduction of Green House Gas (GHG) emission&gt;</b> Reduce energetic origin CO <sub>2</sub> emission not exceeding 5,952t-CO <sub>2</sub> , 173% <sup>(*)</sup> reduction from FY2000.	Hold it down to below 6,002t-CO <sub>2</sub> (14,747MWh).
	<b>&lt;Improvement of energy efficiency&gt;</b> Improve emission intensity by an average of 1% per year.	Improve min. 1%.
	<b>&lt;Promotion to reduce CO<sub>2</sub> emission of business partners&gt;</b> Expand effort to reduce CO <sub>2</sub> emission to all business partners.	Select objective partners and assess their effort.

(\*) Inhibition target against expected growth of energy consumption based on production plan by FY2015.



Installed demand controller on compressor unit for electricity saving.



Replaced fluorescents with straight tube cold cathode lamps.

Replaced fluorescents with LED lights.



■ Status of Environmental Low Compliance

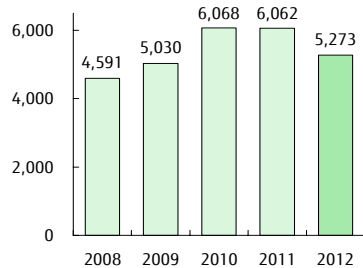
We conducted the measures conform to *Noise Regulation Act*, *Vibration Regulation Act*, *Water Pollution Control Act*, *Sewerage Act* twice a year, and all measured values were within the voluntary control value which is set at within legal threshold. Measurement result on major items are shown in below table.

Item		Unit	Legal Threshold	Prefecture Threshold	Voluntary Threshold	Result
Noise Regulation Act (Obi Plant)	Morning, evening	dB	50	--	max. 49	48.6
	Noon time	dB	55	--	max. 53.9	48.5
	Night time	dB	45	--	max. 44.1	43.8
Water Pollution Control Act (Hidakajima Drain)	Hydrogen-ion concentration (pH)	--	--	--	6.0 - 8.4	6.8 - 7.9
	Biochemical Oxygen Demand (BOD)	mg/l	--	--	max. 108	2.2
	n-hexane extraction (mineral oil)	mg/l	--	--	max. 4.5	0.5
Private Sewerage System Act (Main Plant)	Hydrogen-ion concentration (pH)	--	--	--	6.0 - 8.4	6.3 - 7.8
	Biochemical Oxygen Demand (BOD)	mg/l	--	--	max. 23	16.0

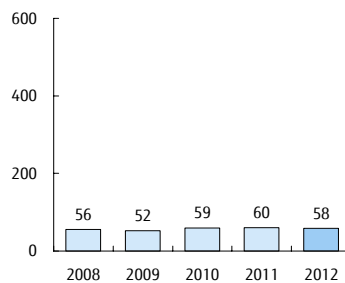
Note) Main plant and Hidakajima Plant locate outside of the area where *Noise/Vibration Regulation Act* shall be applied.

■ Environmental Load Data

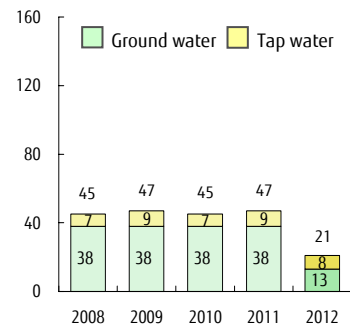
■ CO<sub>2</sub> Emissions (Unit : t-CO<sub>2</sub>)



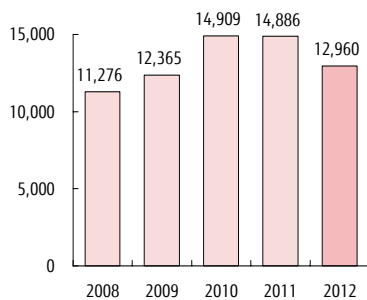
■ Waste (Unit : t)



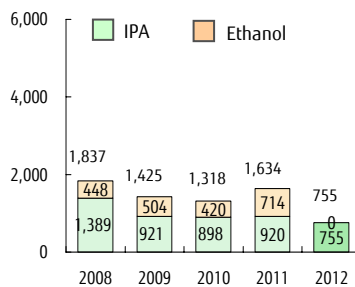
■ Water Usage (Unit : km<sup>3</sup>)



■ Electric Power Consumption (Unit : MWh)



■ IPA and Ethanol Emissions (Unit : kg)



## FY2012 CHIKUMA TSUSHIN INDUSTRY CO., LTD. Targets and Achievements

Item	FY2012 Aim	FY2012 Target	FY2012 Result
Enhancement of own environmental load reduction plan	Reduce energy consumption CO <sub>2</sub> not exceeding 2,060t-CO <sub>2</sub> , 22% reduction from FY2000 result.	Hold it down to below 2,060t-CO <sub>2</sub> .	1,983t-CO <sub>2</sub> (26% reduction from FY2000).
	Procure all materials from the suppliers who have a program to reduce CO <sub>2</sub> emission.	All materials shall be procured from those suppliers.	100% (Objective 19 suppliers).
	Reduce generation of waste not exceeding 123.6t, 33.7% reduction from FY2007 result.	Hold it down to below 123.6t.	80.8t (57% reduction from FY2007).
Promotion of environmental & social contribution activities	Contribute to social activities at least once a year.	Implement min. 1 activity	3 activities.
Promotion of biodiversity conservatory activities	Implement biodiversity conservatory activities and provide education for diffusion and edification.	Implement min. 1 activity	1 activity.
	Procure all materials from the suppliers who declare effort for biodiversity conservatory by the end of FY2012.	All materials shall be procured from those suppliers.	100% (Objective 19 suppliers).

## FY2013 CHIKUMA TSUSHIN INDUSTRY CO., LTD. Aims and Targets

Item	Aim (FY2013 to FY2015)	Target (FY2013)
Social contribution activities	<b>&lt;Cooperation with society&gt;</b> Promote activities to challenge biodiversity and other social/environmental issues.	Implement min. 2 activities.
	<b>&lt;Activities as good corporate citizens&gt;</b> Expand and continue social contribution activities that employees take effort with society.	Implement min. 115 hours in total.
Own business activities	<b>&lt;Reduction of Green House Gas (GHG) emission&gt;</b> Reduce energetic origin CO <sub>2</sub> emission not exceeding 2,125t-CO <sub>2</sub> , 20.4% reduction from FY2000.	Hold it down to below 2,150t-CO <sub>2</sub> .
	<b>&lt;Holddown of waste emission&gt;</b> Reduce waste emission not exceeding 110t, 41.0% reduction from FY2007.	Hold it down to below 116t.
	<b>&lt;Promotion to reduce CO<sub>2</sub> emission of business partners&gt;</b> Expand effort to reduce CO <sub>2</sub> emission to all business partners.	Select objective partners and assess their effort.



Press building:  
Replaced mercury lamps with Hf fluorescent and turned off remained mercury lamps for energy saving.



Mold building:  
Replaced mercury lamps with ceramic metal light and light thinning for energy saving.

**■ Status of Environmental Law Compliance**

Main and Nozawa plants conducted the measurement conform to *Water Pollution Control Act, Sewerage Act, Noise Control Act, Vibration Regulation Act* twice a year, and all measured values were within the voluntary control value set at within legal threshold. Main Plant hold the joint measurement with adjacent Takamisawa Electric Co., Ltd. SHINSHU PLANT. As to the result of Main Plant, please refer to TAKAMISAWA ELECTRIC CO.,LTD. SHINSHU PLANT (p.20) .

Note : Main plant locates outside of the area where environmental laws or regulations are applied.

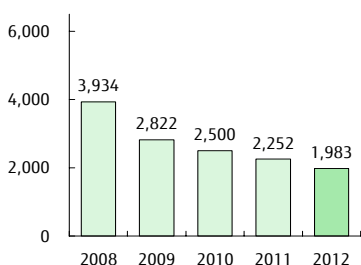
Data relating to drain water in Nozawa plant is shown below;

Item		Unit	Legal Threshold	Prefecture Threshold	Voluntary Threshold	Result
Water Pollution Control Act	Hydrogen-ion concentration (pH)	--	5.8 - 8.6	--	6.0 - 8.4	6.7-7.4
	Biochemical Oxygen Demand (BOD)	mg/l	160	--	max. 108	6.7
	Tetrachloroethylene	mg/l	0.1	--	max. 0.09	less than 0.001
	Trichloroethylene	mg/l	0.3	--	max. 0.27	less than 0.001
	Cis-1,2-dichloroethylene	mg/l	0.4	--	max. 0.36	less than 0.01

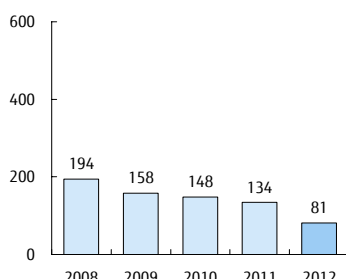
Excessive chlorine organic compound was found at Nozawa Plant (it was Takamisawa Electric Co., Ltd. at that time). Objective chemical material was immediately replaced and applied soil cleaning and monitoring through observation well have been conducted since then. This activities will be kept in FY2013.

**■ Environmental Load Data**

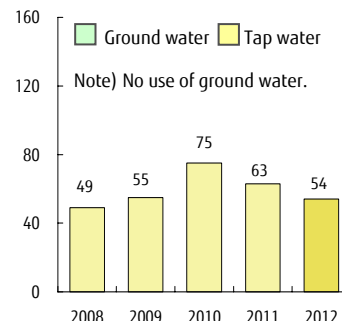
**■ CO<sub>2</sub> Emissions (Unit : t-CO<sub>2</sub>)**



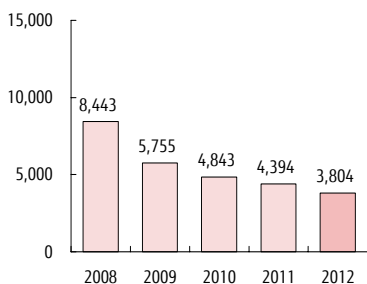
**■ Waste (Unit : t)**



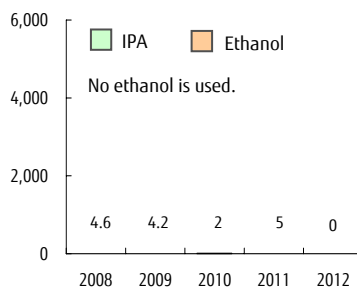
**■ Water Usage (Unit : km<sup>3</sup>)**



**■ Electric Power Consumption (Unit : MWh)**



**■ IPA and Ethanol Emissions (Unit : kg)**



### FY2012 TAKAMISAWA ELECTRIC CO., LTD. SHINSHU PLANT Targets and Achievements

Item	FY2012 Aim	FY2012 Target	FY2012 Result
Enhancement of own environmental load reduction plan	Reduce energy consumptionCO <sub>2</sub> by 45% from FY2000 result.	Hold it down to below 226t-CO <sub>2</sub> .	170.3t-CO <sub>2</sub> (59% reduction from FY2000).
	Reduce generation of waste by 2% from FY2007 result.	Hold it down to below 3.2t.	2.5t (22% reduction from FY2007).
Promotion of environmental & social contribution activities	Contribute to social activities at least once a year.	Implement min. 1 activity	1 activity.
Promotion of biodiversity conservatory activities	Promotion of biodiversity conservatory activities.	Conduct min. 1 surveillance for establishing biodiversity conservatory activity.	1 activity

### FY2013 TAKAMISAWA ELECTRIC CO., LTD. SHINSHU PLANT Aims and Targets

Item	Aim (FY2013 to FY2015)	Target (FY2013)
Social contribution activities	<b>&lt;Cooperation with society&gt;</b> Promote activities to challenge biodiversity and other social/environmental issues.	Implement min.1 activity.
	<b>&lt;Activities as good corporate citizens&gt;</b> Expand and continue social contribution activities that employees take effort with society.	Implement min. 20 hours in total.
Own business activities	<b>&lt;Reduction of Green House Gas (GHG) emission&gt;</b> Reduce energetic origin CO <sub>2</sub> emission not exceeding 182t-CO <sub>2</sub> , 55.7% reduction from FY2000.	Hold it down to below 186t-CO <sub>2</sub> .



Cleanup activity around the factory

## TAKAMISAWA ELECTRIC CO., LTD. SHINSHU PLANT

### ■ Status of Environmental Law Compliance

We conducted measurements conform to *Noise Regulation Act*, *Vibration Regulation Act* and *Sewerage Act* twice a year. Every value was under legal and voluntary thresholds. Takamisawa Electric Co., Ltd. Shinshu Plant locates next to Chikuma Tsushin Industry Co., Ltd. Main Plant and holds joint surveys with them.

Item	Unit	Legal Threshold	Voluntary Threshold	Result	
Noise Regulation Act	Morning, evening	dB	--	max. 70	49
	Noon time	dB	--	max. 70	54
	Night time	dB	--	max. 65	47
Vibration Regulation Act	Noon time	dB	--	max. 70	36
	Night time	dB	--	max. 65	35
Sewerage Act	Hydrogen-ion concentration (pH)	--	5.0 - 9.0	6.0 - 8.9	8.62 - 8.77
	Biochemical Oxygen Demand (BOD)	mg/l	600	max. 300	130
	n-hexane extraction (mineral oil)	mg/l	5	max. 4.5	less than 1.0

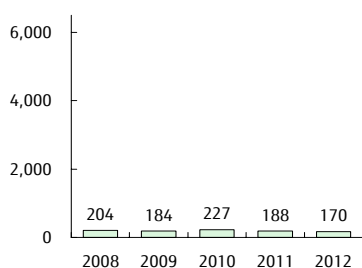
Note : Takamisawa Electric Co.,Ltd. locates outside of the area where Noise Regulation Act is applied.

Self-survey found chlorine organic compounds 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 FY2012 was within the threshold. We will keep conducting those actions in FY2013.

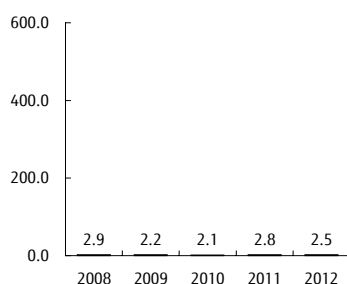
Item	Unit	Legal Threshold	Result (max. value in the site)	Result (at observation well located at downstream side of ground water)	
Measurement based on Soil Contamination Countermeasures Act	Tetrachloroethylene	mg/l	0.01	12	0.0074
	Trichloroethylene	mg/l	0.03	1.6	less than 0.005
	Cis-1.2-dichloroethylene	mg/l	0.04	3.5	less than 0.005

### ■ Environmental Load Data

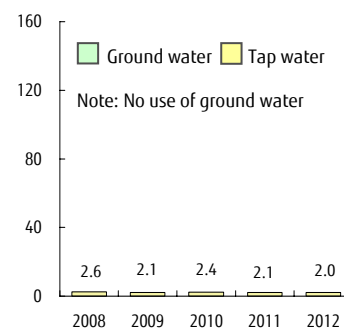
#### ■ CO<sub>2</sub> Emissions (Unit : t-CO<sub>2</sub>)



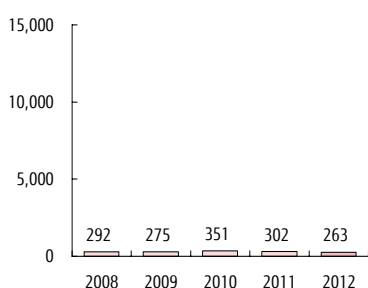
#### ■ Waste (Unit : t)



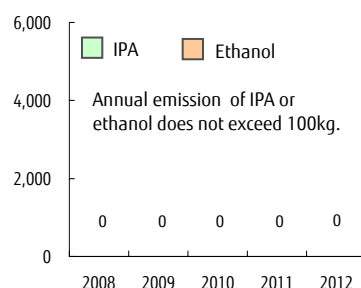
#### ■ Water Usage (Unit : km<sup>3</sup>)



#### ■ Electric Power Consumption (Unit : MWh)



#### ■ IPA and Ethanol Emissions (Unit : kg)



## FY2012 FUJITSU COMPONENT LIMITED HEAD OFFICE Targets and Achievements

Item	FY2012 Aim	FY2012 Target	FY2012 Result
Improvement of environmental value of products and services	More than 30% of newly developed products shall be Super Green Products.	(Development group) More than 30% of newly developed products and min. 1 from product group shall be Super Green Products.	1 product. 37.5% from FY2010 to FY2012.
		(Sales dept.) Monitor sales result and conduct environmental educations twice to support sales activities and conduct enlightenment program.	Monthly sales result monitoring. Education twice.
	Achieve the factor of 1.2 on the newly developed products compared with FY2008 products.	Achieve the eco-efficiency factor of 1.2.	Average of products developed from FY2010 to FY2012 rated 1.8.
Promotion of environmental & social contribution activities	Contribute to social activities at least once a year.	Implement min. 1 activity.	3 activities.
Promotion of biodiversity conservatory activities	Implement biodiversity conservatory activities and provide education for diffusion and edification in each office.	Implement min. 1 activity,	2 activities.

## FY2013 FUJITSU COMPONENT LIMITED HEAD OFFICE Aims and Targets

Item	Aim (FY2013 to FY2015)	Target (FY2013)
Social contribution activities	<b>&lt;Development and offer of eco-friendly product&gt;</b> Develop min. one eco-friendly product corresponds to any of the following conditions; (i) Top-level in energy efficiency. (ii) Increase resource efficiency more than 2% compared with FY2011.	(Development group) Develop min. 1 product corresponds to any of the condition.  (Sales dept) Conduct environmental education twice for sales monitoring departments to promote Super Green / Green Products.
	<b>&lt;Cooperation with society&gt;</b> Promote activities to challenge biodiversity and other social/environmental issues.	Implement min. 1 activity.
	<b>&lt;Activities as good corporate citizens&gt;</b> Expand and continue social contribution activities that employees take effort with society.	Investigate the activities to achieve 1 hour-1 person.
Own business activities	<b>&lt;Promotion to reduce CO<sub>2</sub> emission of business partners&gt;</b> Expand effort to reduce CO <sub>2</sub> emission to all business partners.	Select objective partners and assess their effort.



PET bottle cap recovery activity



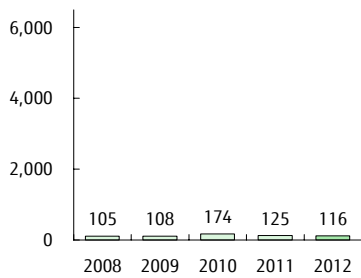
Used stamp recovery activity

■ Status of Environmental Law Compliance

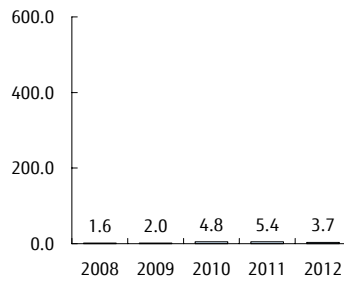
We obtain information about enactment and revision of regulations relating to head office and sales offices regularly. *Waste Management and Public Cleansing Law, Act for Recycling of Specified Kinds of Home Appliance* and *Act for Collection and Fracture of Freon* shall be applied for equipment disposal. Also according to *Act on the Rational Use of Energy* amendment (enacted in 2010), Fujitsu Component Limited was designated as a specified company with our Engineering & Development Center and we took required actions such as appointment and notification of the managers, submittance of middle-long term plan documents and annual report. Compliance with the environmental laws are confirmed every quarter and ensure it through Fujitsu Group internal audit and external audit.

■ Environmental Load Data

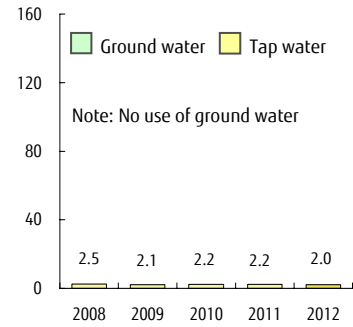
■ CO<sub>2</sub> Emissions (Unit : t-CO<sub>2</sub>)



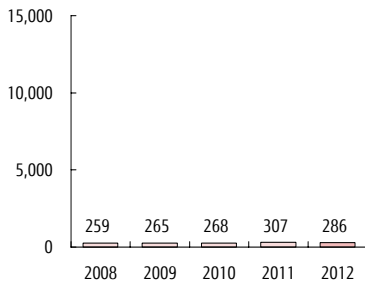
■ Waste (Unit : t)



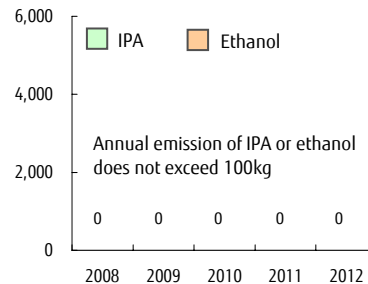
■ Water Usage (Unit : km<sup>3</sup>)



■ Electric Power Consumption (Unit : MWh)



■ IPA and Ethanol Emissions (Unit : kg)



## List of Super Green Products

A Super Green Product should be a Green Product and meets both energy saving and other factors (resource saving, contained chemicals, environmental-contribution substances etc.).

Note) Evaluation of Super Green Products is at the date of approval date. Please see Environmental Report FY2012 or before for Super Green Products in FY2009 or before.

Product	Series or product name	Approval	Main Features
Relay	FTR-V2 latching	Mar. 2013	Standby power consumption 0W. Improvement of continuous current ability per unit consumption power. Compliance of various regulations for chemical content.
	FBR51 latching	Mar. 2012	Reduced standby power consumption by 82%. Reduced CO <sub>2</sub> throughout life cycle by 46%, Reduced volume per performance by 86%.
	FTR-K3L	Mar. 2011	No standby power (latching). Lead free soldering. REACH conforming (as of the end of Mar. 2011).
	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).
Connector	88 straight jack	Feb. 2010	Reduced occupied volume by 20.9%.
	07J for DDR3	Mar. 2010	reduced temporary-joint piece-parts.
	360 right angle plug FCN-365P	Mar. 2010	Reduced weight.
Pointing Device / Keyboard	N01B-4824-B811/20	Feb. 2010	Saved standby energy by approx. 50%.
Thermal Printer	FTP-627MCL411-R	Mar. 2010	Reduced power consumption and increased printing speed.
Touch Panel	multi-input touch panel	Mar. 2010	Reduction of piece-parts quantity and elimination of PFOS (Persistent organic pollutant) contained piece-parts.
KVM switch	16-port drawer with KVM	Mar. 2013	Reduction of standby power consumption by 90%. ENERGY STAR® qualified drawer (Display standards ver. 5.1).
	FD-5300 drawer	Mar. 2012	Reduced power consumption at work by 23%. Reduced standby power consumption by 90%. Lead free soldering. ENERGY STAR® qualified.
	Drawer (custom)	Mar. 2011	Reduced power consumption at work by 36%. Reduced standby power consumption by 80%. Lead free soldering. ENERGY STAR qualified.
	NC14004-B291-R KVM 8 port	Mar. 2010	Reduced weight and volume
	IP remote power controller	Mar. 2009	Enables to remote control of equipment's power consumption by 1W.
Wireless Module	MBH7WLZ23 wireless LAN module	Mar. 2011	Reduced power consumption at stand-by by 41%. Miniaturization in top result. Halogen free printed circuit board.
	MBH7BTZ39 <i>Bluetooth</i> ® module	Mar. 2010	Reduced the number of piece-parts and weight and volume.
	MBH7BWZ04 Combo module	Feb. 2010	Reduced weight and volume.

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## Component solutions for Green Systems

### ■ FD-5316AT Console Drawer



Low power consumption, approximately 65% of that of our conventional products.

### ■ FBR51 Latching Relay



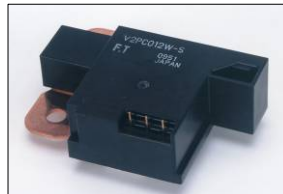
Magnetic latching relay that reduces standby power consumption and CO<sub>2</sub> throughout its life cycle.

### ■ Smart Power Strip



The key device of visualization of electric power which contributes to energy saving. (Jointly developed with FUJITSU LABORATORIES INC.)

### ■ FTR-V2 Latching Relay



250VAC-100A latching relay with low heat generation on closed contact for power switching of smart meter.

### ■ Powerbar and Plug



Built-in arc quenching and mechanical switch increase the safety of 400VDC-10A outlet for DC distribution system. (Jointly developed with NTT FACILITIES, INC)

### ■ FTR-E1 / E3 Relay



High Voltage DC switching relay equipping arc quenching function for EV and PHV.

### ■ IP Remote Power Controller

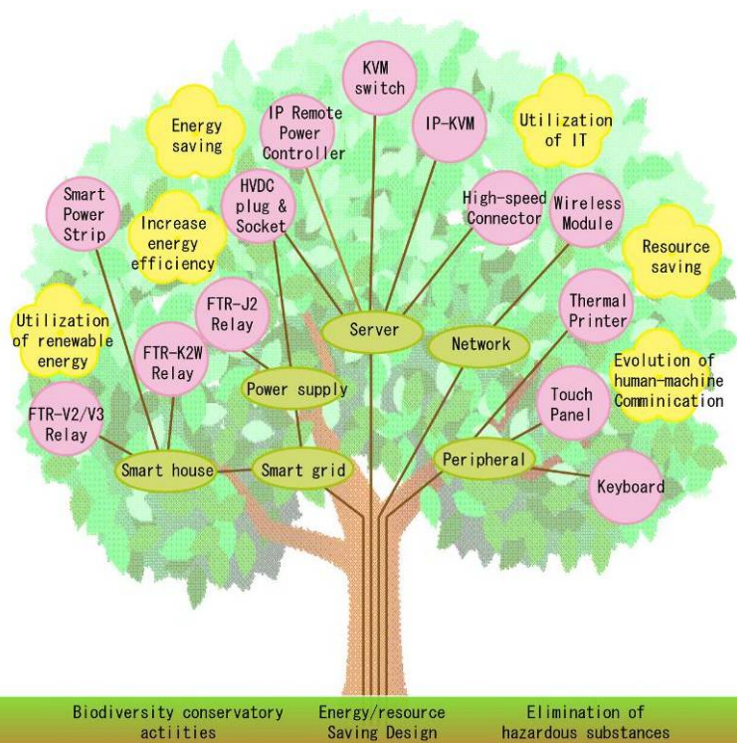


Power monitoring and control of equipment through network contribute to CO<sub>2</sub> reduction.

### ■ Wireless Module



Bluetooth Low Energy modules contribute to energy saving and downsizing of equipment.



## ■ Fujitsu Group Environmental Policy

### ■ Philosophy

The Fujitsu Group recognizes that global environmental protection is a vitally important business issue. By utilizing our technological expertise and creative talents in the ICT industry, 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

### ■ Principles

- We help customers and society reduce the environmental impact of their business activities and improve environmental efficiency with advanced technologies, ICT products and solutions.
- We proactively promote environmentally conscious business activities to help the environment and economy coexist harmoniously.
- We strive to reduce the environmental impact of our ICT products and solutions throughout their entire lifecycle.
- We are committed to conserving energy and natural resources, and practice the 3Rs approach (reduce, reuse and recycle) to create best-of-breed eco-friendly products and solutions.
- We seek to reduce risks to human health and the environment from the use of chemical substances and waste.
- We disclose environment-related information on our business activities, ICT products and solutions, and we utilize the resulting feedbacks to critique ourselves in order to further improve our environmental programs.
- We encourage our employees to work on global environmental conservation such as tackling climate change and preservation of biodiversity through their business and civic activities to be role models in society.

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President of Fujitsu Limited

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