

FUJITSU SEMICONDUCTOR TECHNOLOGY INC.
Environmental Report
2010



1. Welcome



Fujitsu Semiconductor Technology Inc.

President: Hitoshi Hori

Fujitsu Semiconductor Technology Inc. is a company for semiconductor pre-processing manufacturing.

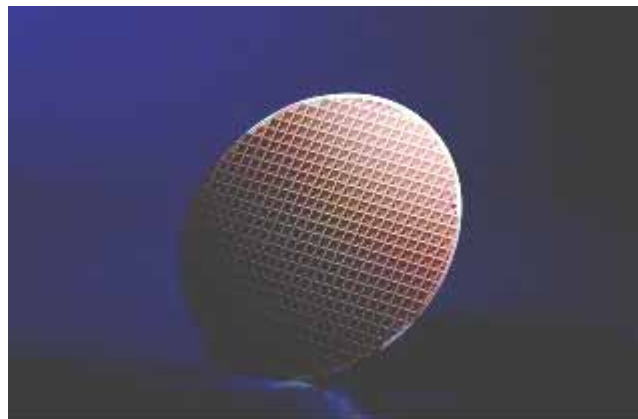
Since the establishment in 2007, we have been working toward the manufacturing with less environmental load.

We established an environmental management system in 2007 and acquired ISO14001 Fujitsu Group integrated certification.

As a member of the Fujitsu Group with its slogan, "We Make Everything Green," we not only continue to carry out environmental load reductions such as global warming prevention and waste reduction but also promote activities that contribute to the local communities and that preserve biodiversity.

Through this environmental report, we would like to inform you our environmental activities and the environmental information.

2. Company Profile



Fujitsu Semiconductor Technology Inc. is a manufacturing plant for semiconductor preprocessing. We develop and manufacture semiconductor devices mainly including flash microcontrollers, flash memory, and CMOS logic products.

Our products are used in a wide variety of applications from communication equipment such as mobile phones to personal computers, car navigation equipment, and home audio equipment.

Name: FUJITSU SEMICONDUCTOR TECHNOLOGY INC.

Established: April 2007

Number of employees: 775 (including related companies)

Business: Semiconductor manufacturing (logic LSIs, etc.)

3. Aim and Achievement in Environmental Activities

■ Report on objectives and results of activities in the year 2009

The environmental objectives and results for the year 2009 are as follows. We achieved our objectives in all the set items.

Objectives in the Year 2009	Results	Achievement Status
Reduce the CO ₂ emission through energy consumption by 12.7% compared to the result in the year 2005.	Reduced by 43.5% through installation of CGS replacement equipment, air conditioning adjustments, and others.	Success
Reduce the emission of greenhouse gases other than CO ₂ (PFC) by 70.6% compared to the result in the year 2006.	Reduced by 73.0% by the implementation of the replacement gases.	Success
Monitor the emissions of target 9 substances as volatile organic compounds (VOC) .	Carried out the periodic measurement (every three months) of volatile organic compounds (VOC) as planned.	Success
Reduce the amount of wastes by 46% compared to the result in the year 2005.	Reduced by 68.2% through the promotion of changing wastes into valued products.	Success
Carry out 4 activities of environmental social contribution and 4 or more other environmental activities.	Carried out 4 activities of environmental social contribution and 4 other environmental activities.	Success
Take one or more measures per year for reducing the usage of chemical substances.	Took 2 measures including the reduction of sulfuric acid usage.	Success

■ Objectives of activities in the year 2010

The 6th Fujitsu Group Environment Action Plan has started from the year 2010. In addition to the existing activities such as prevention of global warming (CO₂/PFC reduction), we are working on a new activity to promote biodiversity preservation.

Objectives in the Year 2010
Reduce the CO ₂ emission through energy consumption by 29.5% compared to the result in the year 2007.
Reduce the emission of greenhouse gases other than CO ₂ (PFC) to +14.5% or less compared to the result in the year 1995.
Reduce the emission of priority chemical substance (IPA) by 41.0% compared to the result in the year 2007.
Reduce the amount of wastes by 55.6% compared to the result in the year 2007.
Carry out 3 activities of environmental social contribution and 4 activities of biodiversity preservation.

4. Green Factories

■ Zero emissions of wastes (measure for waste reduction)

In the year 2009, we were able to reduce the wastes by 1,535 ton, i.e. 67% reduction compared to the result in the year 2007, from the previous fiscal year through the consecutive activities started from 2008 including changing disposed sulfuric acid and organic alkalines into valued products.

Also, we reduced 68.2% and achieved the 5th Environment Action Plan objective (5% reduction by the end of the fiscal year 2009 compared to the result in the year 2005).

- Main measures for reducing wastes: Promoting to change disposed lead batteries and organic alkalines into valued products.

■ Measures for energy save

In addition to the existing efforts to save energy by the facilities division, we have been expanding the range of activities such as energy saving in the production equipment.

• Major energy saving measures

In terms of reducing the CO₂ emission through energy consumption, we have achieved a significant reduction in CO₂ by installing low energy-loss electric double-layer capacitor equipment to replace CGS (fuel: heavy oil) as the equipment against instantaneous voltage drop in the plant.



Electric double-layer capacitor equipment

5. Environmental Social Contribution Activity

Every year, Fujitsu Semiconductor Technology carries out clean-up activities in the area around the plant. We promote beautification activities working together with the local communities, such as the Clean Health Walk, which we clean up litter while enjoying the nature, and participation in large-scale local cleanup activities.



Cleanup activities around the plant



Cleanup activities at the Clean Health Walk



Presentation at the Aizuwakamatsu Environment Festival

6. Environmental Awareness Activities for Employees

In the fiscal year 2009, we had FSET's first environmental facility field trip having a member of LSI Technical Center as our instructor. The aim of this facility was understood through a comprehensive test and others. The environmental seminar also had many participants, and that indicates the raising awareness amongst employees.



Holding environment seminars



Environmental facility field trip



Picking lavender flowers

7. Efforts for Safe and Secure Plants

■ Measures to counter risks

The underground effluent storage tank has a double-layer structure as the proactive measure against any environmental risks. In addition, we have observation wells in various locations at our site to monitor the quality of the ground water periodically.

■ Measures for inspecting soil and groundwater

We have observation and monitoring wells near the boundaries of our site and near the underground water receiving tank, and these are periodically monitored to ensure there is no contamination of groundwater.

8. Compliance with Environment-Related Rules and Regulations

■ Compliance with laws

We periodically check for changes in laws and regulations and confirm our compliance status. There were no violations of laws and regulations in 2009.

9. Environmental Accounting

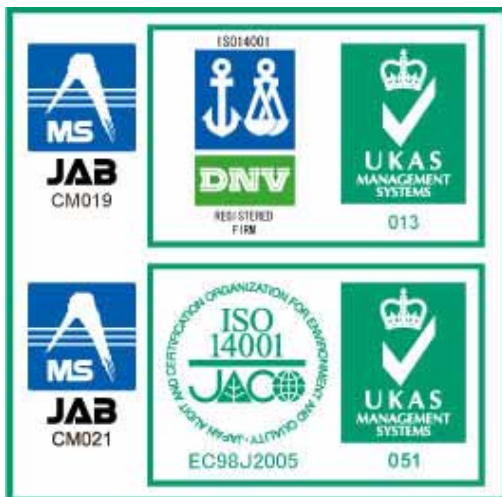
The environmental accounting results for the fiscal year 2009 provided 310 million yen outcomes out of 410 million yen expenses.

We will strengthen our efforts by further promoting the existing energy saving operations of motor equipment and implementing global environment preservation (energy saving measures) in order to increase our cost efficiency.

Year 2009 environmental accounting results table (unit: million yen)

Item	Scope	Cost	Outcome
Costs and outcomes within the operation area	Preventing pollutions, preserving the global environment, recycling resources, etc.	385	307
Costs and outcomes in upstream and downstream processes	Waste product recycling, green procurement, etc.	0	0
Management activity costs and outcomes	ISO14001, environmental education, environmental public relations, etc.	25	3
Research and development and solution business costs and outcomes	Research of environmentally friendly technology for products, etc.	0	0
Social activity costs and outcomes	Donation to and support of environmental preservation groups, etc.	0	-
Handling environmental damage costs and outcomes	Restoration from soil and groundwater contamination, etc.	0	0
Total		410	310

10. Environmental Management Systems



■ Integrated certification

The Fujitsu Group expanded the scope of the ISO14001 integrated certification obtained in March 2006 covering Fujitsu and its domestic consolidated subsidiaries into the global integration including overseas consolidated subsidiaries

Date Fujitsu Group World-Wide integrated certification obtained: 23rd March 2006

Certificate number: EC98J2005

Fujitsu Semiconductor Technology was evaluated as being compliant with ISO14001:2004 based on the results of an update check by the Japan Audit and Certification Organization (JACO) in November 2009.

■ Internal environmental auditing

Fujitsu Semiconductor Technology conducts internal audits every year to get an overall understanding of the status of environmental load and preservation and to evaluate the state of compliance with ISO.

FUJITSU SEMICONDUCTOR TECHNOLOGY INC.

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