

The Fujitsu Group “Green IT” Program Contributes to Creating a Prosperous, Low-Carbon Society.



Green IT Supplied by the Fujitsu Group

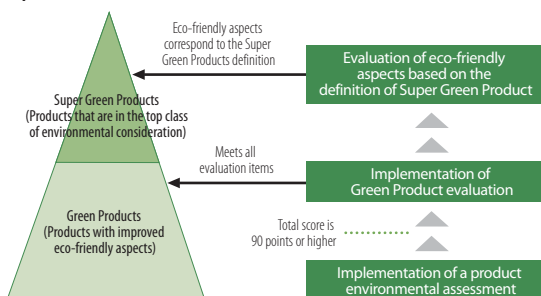
Green Policy Products (IT Infrastructure)

The Fujitsu Group provides Green Products, which clear Fujitsu's strict environmental evaluation standards, Super Green Products, which in addition to being Green Products also have eco-friendly aspects of the highest level, such as reduced energy consumption or more compact sizes, and data centers that strive to save energy from every possible standpoint.

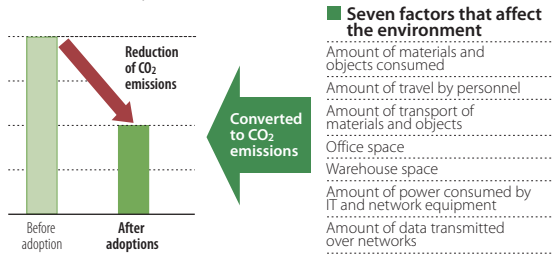
Green Policy Solutions

The Fujitsu Group provides Environmental Contribution Solutions, which reduce the customer's environmental burden when adopted; Environmental Management Solutions, which evaluate the customer's environmental activities and support continuously increasing the level of those activities; and Environmental Business Solutions, which support the customers' environmental business.

Evaluation Framework for Green Products and Super Green Products



Environmentally Conscious Solutions



Products that achieve over a certain level based on a quantitative evaluation by Fujitsu of seven environmental influence factors for the amounts of CO₂ emissions before and after the adoption of an IT solution product.

We will provide Green IT to support our customers in reducing their environmental burden through Green Policy Innovation.

In December 2007, the Fujitsu Group announced its Green Policy Innovation project to support customers in reducing their environmental burden. This project uses the environmental technology and know-how possessed by the Group to provide Green IT that reduces the environmental burden imposed by customers and society.

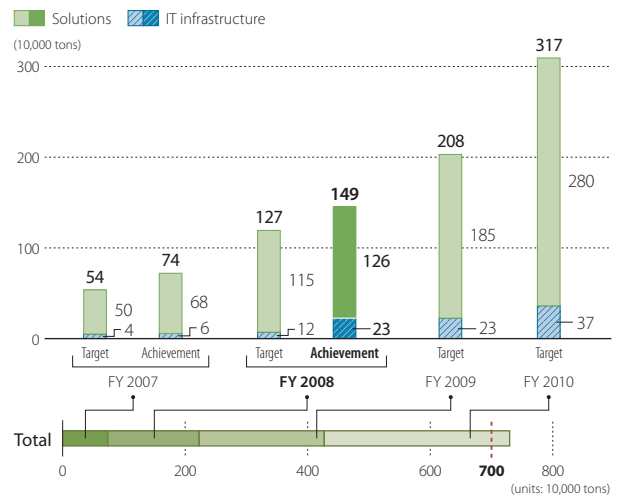
Under Green Policy Innovation, we supply Green IT from two aspects: Green Policy Products, which are eco-friendly IT infrastructure products, and Green Policy Solutions, which are IT solutions that contribute to reducing environmental burdens through their introduction. The Fujitsu Group contributes to reducing our customers' environmental burden by, at the same time as working for saving space and energy in IT equipment and data centers, providing solutions that take advantage of the environmental know-how accumulated within the Fujitsu Group.

We are aiming at a contribution to CO₂ emissions reduction of over seven million tons total over a four-year period (FY 2007 to FY 2010).

For the FY 2007 through FY 2008 period, we are expecting a total CO₂ emissions reduction contribution of about 2.23 million tons, which consists of about 290,000 tons due to provision of IT infrastructure and about 1.94 million tones due to the provision of IT solutions. Thus we are well ahead of our targets as we move forward.

* Estimated CO₂ emission reductions in Japan possible through application of proprietary methods from Fujitsu based on projected future sales levels of major platform products and specified Fujitsu products developed as environmentally friendly solutions.

Targets and Achievements in Reducing CO₂ Emissions by Green Policy Innovation

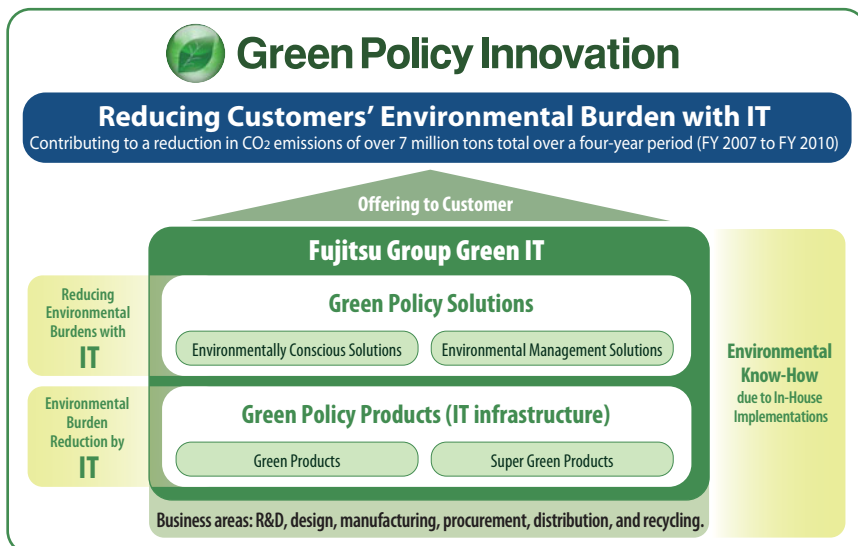


Green Policy Innovation

About the Green Policy Innovation Logo

This mark identifies Fujitsu Group Green IT products and activities related to Green IT.

With a motif in the form of a sphere to indicate the Earth, it expresses the idea of contributing to reducing environmental burdens on a global scale. A single leaf is held within a shining crystal sphere to represent our commitment to eco-friendliness and uncompromising policies.



Envisioning a New Era - Fujitsu Group Vision and Strategy

Doing Our Part as a Global IT Company to Realize a Low-Carbon Society

Approaching the Environment from a Management Perspective

2008 was a year of lively discussion on environmental protection for the international community. As well as marking the start of the first commitment period for the Kyoto Protocol, it was a time for examining the next set of reduction targets for the successor to the Kyoto framework from a medium- to long-term perspective. At the Toyako Summit, a G8 meeting held in July 2008 in Hokkaido, Japan, the world's leaders declared their commitment to a shared target of cutting greenhouse gas emissions worldwide to half their current levels by 2050. However, the global economy is now enduring what some are calling a once-in-a-century crisis. While there are concerns that this situation could cause delays in implementing environmental measures, many countries have announced so-called "Green New Deal" programs designed to shore up their economies by encouraging aggressive investment in environmental protection.

For companies operating in this climate it is more important than ever to meet the challenges of both economics and the environment. This will require companies to adopt a strong environmental management perspective and tackle the issues strategically.

Taking Action from a Global Environmental Standpoint

The Fujitsu Group is determined to be a "valued and trusted partner" in the growth of our customers and society, and we are pushing ahead with three transformations* to this end. One of these transformations is making global environmental contributions for sustainability.

At Fujitsu, we view environmental problems not only as management risks, but also in terms of their value for our growth. Effective IT utilization has the potential to spur innovation in industrial societies, and thereby reduce their environmental burden by a significant margin. The Fujitsu Group offers IT solutions on a global scale in a host of business areas. As such, we recognize that Fujitsu has an

important role and responsibility not only in reducing the environmental burden posed by our own business activities, but in contributing to lower environmental impact of our customers and society as a whole, on a global scale.

Our initiative for lowering the environmental burden, Green Policy Innovation, is one concrete step in this direction. Here, we are promoting green IT in a variety of fields including through new environmental management solutions to support ongoing sophistication in environmental management. From fiscal 2007 through fiscal 2008, our efforts have helped reduce CO₂ emissions by a cumulative total of approximately 2.23 million tons. Furthermore, in September 2008 we established a Low Carbon Committee, and are boldly promoting a lower carbon footprint in our business activities.

Fujitsu is making an extensive drive to reduce its own environmental burden, and is using expertise and technologies amassed in the process for the global development and provision of green IT.

* Under the company's current management direction, Fujitsu is pursuing three areas of transformation: a focus on the customer's customer, global expansion based on the "Think Global, Act Local" approach, and global environmental contributions for sustainability.

Striving for the Creation of a Prosperous, Low-Carbon Society

Realizing a sustainable society requires a common global vision that individuals, companies, countries, and regions everywhere can work collectively to achieve.

The Fujitsu Group has drafted Green Policy 2020 as a medium-term environmental vision with a milestone year of 2020, and has initiated efforts for making this vision a reality. Going forward, we intend to develop our environmental management further to achieve our goal of realizing a prosperous, low-carbon society.

President, Corporate Environmental Affairs Unit

Atsuhisa Takahashi





In Office Buildings

Compact, Energy-saving PC for Corporate Customers
FMV-ESPRIMO D5170

CO₂ emissions reduced by about **35%^{*1}**

IT Resource Management System
SupportDesk Expert

CO₂ emissions reduced by about **35%^{*2}**

Workflow System for Human Resources and General Affairs
GLOVIA Exchange USE

CO₂ emissions reduced by about **48%^{*2}**

Building Management System
Futuric

CO₂ emissions reduced by about **47%^{*2}**



In Traffic and Transportation

Operations Support System
In-Vehicle Station (Dejitako)

CO₂ emissions reduced by about **19%^{*2}**

ETC Infrastructure System
ETC Infrastructure System

CO₂ emissions reduced by about **24%^{*2}**

Distribution Center System
LOMOS/DJ

CO₂ emissions reduced by about **58%^{*2}**



On Farms

Farmland Management System
Farmland Management GIS

CO₂ emissions reduced by about **50%^{*2}**

Agriculture Revitalization Promotion System
NetSeeds

CO₂ emissions reduced by about **59%^{*2}**



In Hospitals

Medical Electronic Records Solution
HOPE/EGMAIN-GX

CO₂ emissions reduced by about **30%^{*2}**

Medical Image Information System
HOPE/DrABLE-EX

CO₂ emissions reduced by about **21%^{*2}**

Health Management System
HOPE/webH@ins

CO₂ emissions reduced by about **55%^{*2}**



In Factories

Facilities Management System
Futuric

CO₂ emissions reduced by about **47%^{*2}**

Production Scheduling System
GLOVIA/SCP FA

CO₂ emissions reduced by about **60%^{*2}**

Environmental Performance System
Records Management System
SLIMOFFICE

Visualization of environmental performance data

Environmental Information System
(Contaminant emissions management)
e-FEINS

Environmental risk reduction



In Local and National Government

Automatic ID Card Delivery System
Conbrio-J

CO₂ emissions reduced by about **66%^{*2}**

Web Creation Support System
GwebLink-Neo

CO₂ emissions reduced by about **90%^{*2}**

Public Works Operation Management System
Public Works Operation Management System

CO₂ emissions reduced by about **18%^{*2}**

Fujitsu Group's Green IT Contributes to all Aspects of Daily Life and Society.

IT has become absolutely necessary for business and daily life in contemporary society, and it is also indispensable for the future of the earth's environment. At the same time as providing leading-edge solutions that contribute to the environment in a wide diversity of fields, The Fujitsu Group is also working to improve environmental performance, for example by reducing power consumption in IT equipment. These Green IT efforts by the Fujitsu Group are contributing to reducing the environmental burden in all areas of society.



In Networks

Network Server
IPCOM EX Series

CO₂ emissions reduced by about **55%**^{*3}

Real-Time Video Transmission Unit
IP-900 Series
(IP900E/IP-900D/IP-910E/IP-910D)

CO₂ emissions reduced by about **24%**^{*3}

Gigabit Ethernet Based PON System
GE-PON ONU

CO₂ emissions reduced by about **41%**^{*3}

NGN Platform System
UB300

CO₂ emissions reduced by about **74%**^{*3}



In Data Centers

Unix Server
SPARC Enterprise M3000

CO₂ emissions reduced by about **65%**^{*4}

Blade Server
PRIMERGY BX900

CO₂ emissions reduced by about **40%**^{*5}

Multipoint Temperature Management

Real-time multipoint temperature measurement technology

Visualization of temperature distributions

Green Facility Construction Support

Green Infrastructure Solution

CO₂ emissions reduced by about **50%**^{*7}

- *1. Compared to when other models are used.
- *2. Calculated using an environmental influence evaluation procedure developed by Fujitsu Laboratories Limited.
- *3. Compared to earlier products in actual use.
- *4. Compared to earlier products in actual use when relative performance is taken into consideration.
- *5. Reduction effect when a rack-type server as used about three years ago is concentrated in a blade unit (SAN boot structure)
- *6. Comparison of standby mode power with earlier products.
- *7. Maximum target value. Excluding the energy saving effects due to the IT equipment (such as servers and storage units) itself.

Note that the values shown here are subject to variation with conditions of the measurement and calculation and with the way the products are used.



In Outer Space

Greenhouse Gas Monitoring Technology Satellite Contributions to the "IBUKI" project



In Financial Institutions

ATM Systems
ATM Asset Distribution Package

CO₂ emissions reduced by about **38%**^{*2}

Credit Union Internal Information System
SB-Square

CO₂ emissions reduced by about **28%**^{*2}

Foreign Exchange Image OCR System for Financial Institutions
KMASTER

CO₂ emissions reduced by about **59%**^{*2}



In Department Stores and Supermarkets

POS Systems for Mass Merchandisers
GlobalSTORE III

CO₂ emissions reduced by about **30%**^{*2}

Internet Shopping System
i-market

CO₂ emissions reduced by about **25%**^{*2}



At Fishing Grounds

Fishery and Oceanographic Information Provision Service
Toredasu

CO₂ emissions reduced by about **20%**^{*2}

Used for sustainability of fishery resources.



At Schools

SaaS-type e-Learning
e-Learning Navigaware

CO₂ emissions reduced by about **50%**^{*2}

Business System for Educational Institutions
Campusmate-J

CO₂ emissions reduced by about **54%**^{*2}

Service for Notification of Arrival at or Departure from School
Active RFID tags

CO₂ emissions reduced by about **28%**^{*2}



In Homes

PC Recycling

Recycling of Fujitsu PCs (including displays and PCs themselves)

Resource recycling

Green Power Certificate System Supported PCs:

The FMV-BIBLIO LOOX, U/C50N, and ECO models

The popularization of green power

Cell Phones
Raku-Raku Phone Series (F884I/F883IS/F884IES)

CO₂ emissions reduced by about **28%**^{*6}

The Fujitsu Group Provides a larger number of other solutions that contribute to reducing environmental burdens in a wide diversity of areas. For further details, please also see Fujitsu's web site. <http://jp.fujitsu.com/solutions/eco/> (Japanese)

Green IT Example

1

The World's First Dedicated Satellite to Monitor Greenhouse Gas Concentrations from Space

Contributions to the "IBUKI" Project



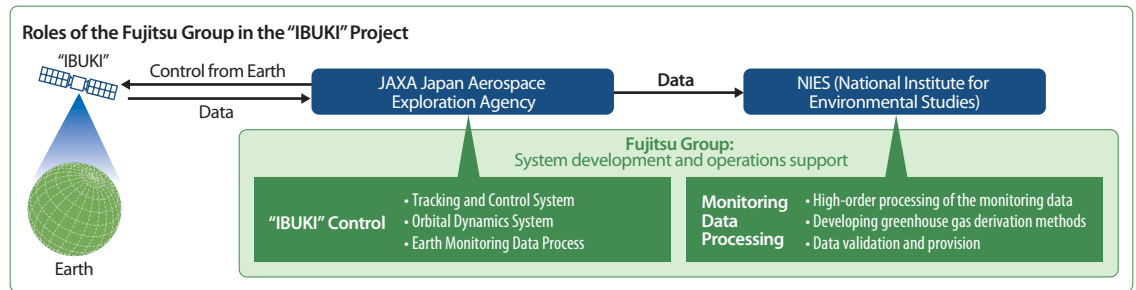
"IBUKI" is the world's first dedicated artificial satellite that monitors the concentrations of CO₂ and methane in every corner of the Earth from outer space. The Fujitsu Group contributed leading-edge IT to this "IBUKI" project*. Fujitsu was in charge of the satellite orbit control system and the system that manages and stores the monitoring data. Also, Fujitsu FIP Corporation was in charge of a system for visualization of greenhouse gas distributions for the whole earth based on the monitoring data.



©JAXA Greenhouse Gas Observing Satellite "IBUKI"

* "IBUKI" Project

This is a joint project between JAXA (Japan Aerospace Exploration Agency), NIES (National Institute for Environmental Studies), and Ministry of the Environment (Japan).



Green IT Example

2

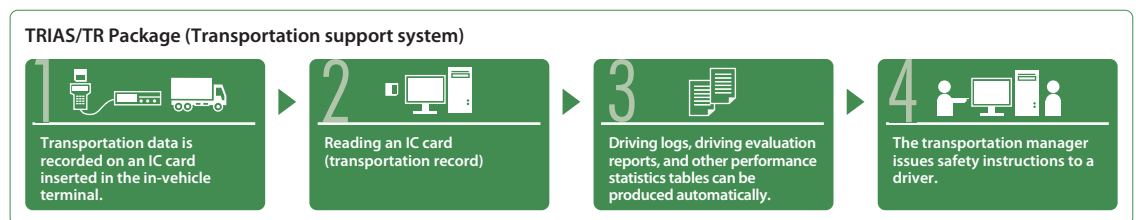
Reducing environmental burdens by improving delivery efficiency and fuel efficiency

Operations Support Solution for Commercial Vehicles



The Fujitsu Group provides a solution that supports transportation operations for commercial vehicles such as the trucks used for transportation and delivery. By appropriately managing GPS satellite and transportation operations data, this solution improves the efficiency of vehicle allocation and delivery routes and contributes to reducing the environmental burden of distribution. This solution also records idling time and rapid acceleration data and can be useful in providing environmental and safety instructions to drivers.

Note that this solution received the special jury award at the Green IT Awards 2008.



Green IT Example



Unix Server that Features Energy Savings, Space Savings, and Quiet Operation.

SPARC Enterprise M3000

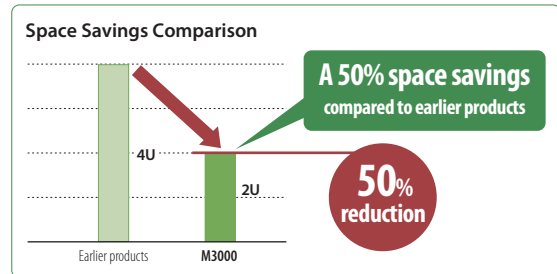
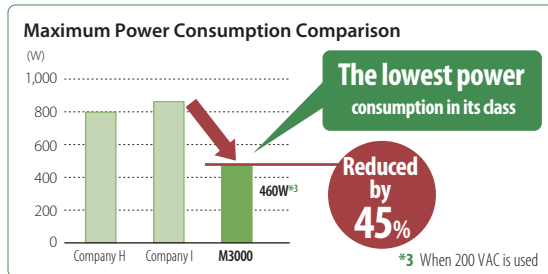


The SPARC Enterprise M3000 is the latest Unix server and features superb processing capabilities and reliability. It uses the latest leading-edge semiconductor technology and energy-saving components, and through the use of cooling and other technologies, reduces power consumption by up to 58%*1, and in conjunction with its improved processing capabilities, achieves a CO₂ emissions reduction of about 65%*1. In addition, it achieves a space savings of about 50%*1. It also uses acoustic design to hold the noise level to 47 dB*2, allowing it to achieve a quiet server environment. In addition to reducing our customers' IT system operating costs, it contributes to reducing their environmental burden.



*1 Compared to the PRIMEPOWER 450 (4U)

*2 At an environmental temperature of 25°C. This value may differ depending on the installation environment and temperature.



Green IT Example

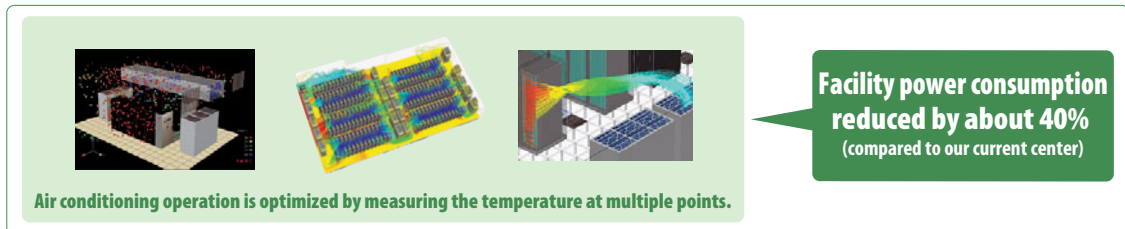


Promoting Energy Savings from Diverse Standpoints

Eco-Friendly Data Center



The Fujitsu Group constructs eco-friendly data centers that strive for energy savings through efficient operation of air conditioning, power supplies, and illumination, careful consideration for cooling equipment and structures, and proactive use of green energy such as solar generation. We make the energy usage conditions visible by taking maximum advantage of our unique design technologies and promote ever further energy savings by optimal operation management. At our new center which is currently under construction, we have reduced facility power consumption by about 40% (compared to our current center).



Green IT Example



Environmental burdens reduced by computerization of medical facilities

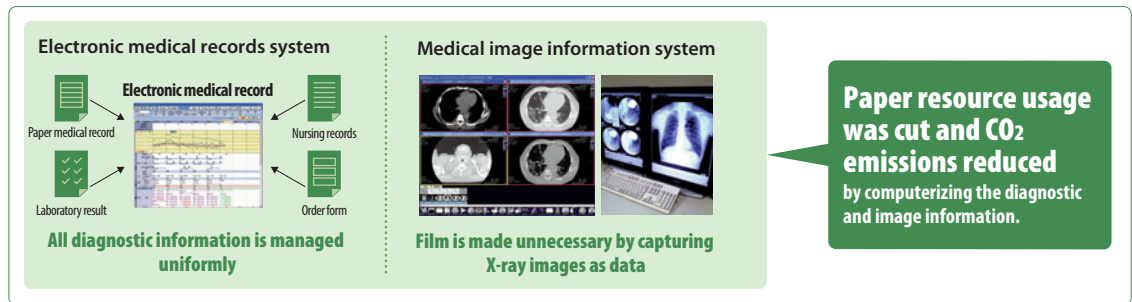
Electronic Medical Records System and Medical Image Information System



At a certain hospital that introduced an electronic medical records system and a medical image information system, in addition to the reduction in resource usage due to the switchover to paperless operations, the 300,000 X ray films that had been used every year were no longer required. The space required to store paper medical records and film was reduced significantly from the previous 200 m² per year to 15 m². Also, the introduction of the medical image information system had the effect of reducing CO₂ emissions by about 20.9%*. Thus Fujitsu is also contributing to reducing the environmental burden of medical facilities.



* Value calculated using an environmental influence evaluation procedure developed by Fujitsu Laboratories Limited.



Green IT Example



Evaluating a customer's environmental activities from a management standpoint and supporting continuous improvement

Environmental Management Solutions



Fujitsu's environmental management solutions aim not only at reducing environmental burdens but also at improving economic values and corporate values at the same time. We evaluate the customer's environmental activities from a management standpoint with about 100 items, determine the issues, and propose solutions that resolve those issues. We support continuous improvement of environmental management by iterating the evaluation, issue extraction, and improvement cycle (See pages 57 and 58).

