

The Fujitsu Group's Green ICT Is Helping to Reduce the Environmental Burden from Society and the Entire World

Through its advanced environmental solutions, services, and products, the Fujitsu Group's green ICT is helping to reduce the environmental burden generated by all aspects of our daily lives and by society. We are continuously widening the scope of our efforts in this field so we can help more countries and regions and more people.

In Agriculture



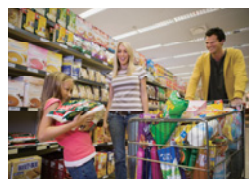
Farmland Management System
Farmland Management GIS

CO₂ emissions
reduced by about **50%*1**

Agriculture Revitalization
Promotion System
NetSeeds

CO₂ emissions
reduced by about **59%*1**

In Department Stores and Supermarkets



POS Systems for Mass Merchandisers
GlobalSTORE III

CO₂ emissions
reduced by about **30%*1**

Internet Shopping System
i . market

CO₂ emissions
reduced by about **25%*1**

In Factories



Facilities Management System
Futuric

CO₂ emissions
reduced by about **47%*1**

Production Scheduling System
GLOVIA/SCP FA

CO₂ emissions
reduced by about **60%*1**

Environmental Information System
(Contaminant emissions management)
e-FEINS

**Environmental risk
reduction**

Environmental Performance System
Records Management System
SLIMOFFICE

Visualization of environmental
performance data

In Networks



Network Server
IPCOM EX Series

CO₂ emissions
reduced by about **55%*3**

Optical Fiber Technology
FLASHWAVE 9500

CO₂ emissions
reduced by about **60%*2**

Gigabit Ethernet Based PON System
GE-PON ONU

CO₂ emissions
reduced by about **41%*2**

NGN Platform System
UB300

CO₂ emissions
reduced by about **74%*2**

Real-Time Video
Transmission Equipment
IP-900 Series
(IP900E/IP-900D/IP-910E/IP-910D)
CO₂ emissions
reduced by about **24%*2**

In Medicine



Medical Electronic Records Solution
HOPE/EGMAIN-GX

CO₂ emissions
reduced by about **30%*1**

Medical Image Information System
HOPE/DrABLE-EX

CO₂ emissions
reduced by about **21%*1**

Health Management System
HOPE/webH@ins

CO₂ emissions
reduced by about **55%*1**

In Schools



SaaS-type e-learning
e-Learning Navigware

CO₂ emissions
reduced by about **50%*1**

Business System for
Educational Institutions
Campusmate-J

CO₂ emissions
reduced by about **54%*1**

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

CO₂ emissions
reduced by about **28%*1**

In Local and National Government



Automatic ID Card Delivery System
Conbrio-J

CO₂ emissions
reduced by about **66%*1**

Web Creation Support System
GwebLink-Neo

CO₂ emissions
reduced by about **90%*1**

Public Works Operation
Management System
Public Works Operation
Management System

CO₂ emissions
reduced by about **18%*1**

*1 Calculated using an environmental influence evaluation procedure developed by Fujitsu Laboratories Ltd.

*2 Compared to the power consumption of a conventional product when in use

*3 Reduction effect when a rack-type server as used about three years ago is concentrated in a blade unit (SAN boot structure)

*4 Compared to the power consumption of other models when in use

*5 Not for sale in Japan

*6 Maximum target value. Excluding the energy saving effects due to the ICT equipment (such as servers and storage units) itself.

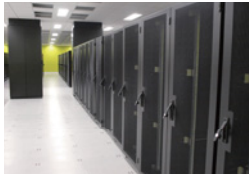
*7 Compared to use by the manufacturer (annual) (actual results from April 2009 to March 2010)

*8 Fujitsu actual measurements for a five-server structure where four were not operational during the night

*9 A case using Fujitsu's Numazu Software Development Cloud Center. Deployment/operation of development/execution environments where ICT resources are virtualized and standardized is automated. Listing of business services and visualization of operational status support reduction of operational workload and reduce the number of servers.

*10 Results of trial calculations based on an example within Fujitsu involving 300 computers. 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 Data Centers



Multipoint Temperature Management
(optical temperature sensor)
Real-time multipoint temperature measurement technology

Visualization of temperature distributions

Server automation and visualization software
ServerView, Resource Coordinator VE

CO₂ emissions reduced by about 17%*8

Green Facility Construction Support
Green Infrastructure Solution

CO₂ emissions reduced by about 50%*6

Energy saving technologies for electronic and electrical equipment
Gallium nitride HEMT (High Electron Mobility Transistor)

Power loss in power-supply unit is less than one third that of a conventional unit

Private cloud environment construction software
Systemwalker Service Catalog Manager V14g
Systemwalker Software Configuration Manager V14g
Systemwalker Runbook Automation V14g
ServerView Resource Orchestrator

Supporting a number of servers reduced by about 50%*9

Mission-critical IA server
PRIMEQUEST 1000 Series

CO₂ emissions reduced by about 66%*2

Blade Server
PRIMERGY BX900

CO₂ emissions reduced by about 40%*3

PC server for the data center
PRIMERGY CX1000

CO₂ emissions reduced by about 13%*4

Disc array
ETERNUS DX60, DX80, DX90

CO₂ emissions reduced by about 43%*2

Energy saving and cooling technologies
Water-cooling unit+energy saving, low-noise fan

Cooling fan's electricity consumption reduced

In Financial Institutions



ATM Systems
ATM Asset Distribution Package

CO₂ emissions reduced by about 38%*1

Credit Union Internal Information System
SB-Square

CO₂ emissions reduced by about 28%*1

Foreign Exchange Image OCR System for Financial Institutions
KMASTER

CO₂ emissions reduced by about 59%*1

At Fishing Grounds



Fishery and Oceanographic Information Provision Service
Toredasu

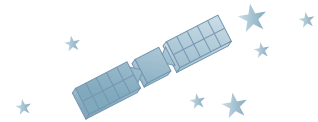
CO₂ emissions reduced by about 20%*1

Used for sustainability of fishery resources.

In Outer Space



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



In Environmental Management



Environmental management strategy proposals
Environmental management consulting services

Environmental management upgrades

Control Solutions for Chemical Substances in Products
PLEMIA/ECODUCE

Compliance with REACH regulations

Environmental Performance Records Control System
SLIMOFFICE

Making environmental performance visible, optimizing energy use

In Office Buildings



Software for PC power saving
Systemwalker Desktop Patrol V14g

Power consumption reduced by about 40%*10

Notebook PCs for corporations
FMV-LIFEBOOK

Compliant with the International Energy Star Program

Workflow System for Human Resources and General Affairs
GLOVIA Exchange USE

CO₂ emissions reduced by about 48%*1

A standby power requirement zero PC
ESPRIMO E7936
0-watt, P22W-5 ECO IPS

Standby power consumption zero watts*5

Electronic Forms Management Software
Interstage List Works

CO₂ emissions reduced by about 56%*1

Building Management System
Futuric

CO₂ emissions reduced by about 47%*1

ICT Resource Management System
SupportDesk Expert

CO₂ emissions reduced by about 35%*1

In Homes



PC Recycling
Recycling of Fujitsu PCs

Resource recycling

Green Power Certificate System Supported PCs:
The FMV-BIBLIO LOOX, U/C50N, and ECO models

The popularization of green power

In Traffic and Transportation



Traffic Eco-points System
"DESUCA" (Tosa Electric Railway Co., Ltd., and Kochi-ken Kotsu Inc.)

CO₂ emissions reduced by about 2,866 tons*7



Please refer to the Fujitsu homepage for other information on our environmental solutions.
<http://jp.fujitsu.com/solutions/ecol/>

Operations Support System
In-Vehicle Station (Dejitako)

CO₂ emissions reduced by about 19%*1

Distribution Center System
LOMOS/DJ

CO₂ emissions reduced by about 58%*1

Non-stop toll collection system
ETC Infrastructure System

CO₂ emissions reduced by about 24%*1

CO₂ emission calculation system
LOMOS/EC

Making visible the results of a modal shift