For the Environment—Contributing to the Global Environment Through Our Products and Solutions

Promoting Product Recycling

We are advancing collection and recycling of end-of-life ICT products from a global perspective to help create a recycling-minded society.

The Concept of Producer Responsibility

In accordance with the concept of Extended Producer Responsibility (EPR), under which the producer's responsibility for its products is not limited to the product design and manufacturing stages but extends to the disposal and recycling stages as well, the Fujitsu Group carries out recycling programs that comply with the waste disposal and recycling laws and regulations of the various countries in which it operates. We also try to do as much collection, reuse and recycling as we can even in countries where recycling is not obligatory, in line with the concept of Individual Producer Responsibility (IPR), which sees each producer as responsible for its own products.

IPR is a major challenge for the Fujitsu Group in expanding its business globally, but we believe that responding to this challenge and that of EPR in collaboration with industry associations and governments will enable us to help create a recycling-minded society in which the requirements and demands of all stakeholders are met.

Our Approach to Product Recycling Overseas

The Fujitsu group recycles products in EMEA and the Americas (the United States, Canada, and Brazil) and Asia (Singapore, the Philippines, Australia, Hong Kong, Taiwan, and Korea).

EMEA: Fujitsu Technology Solutions (Holding) B.V. (FTS)

Through its partner companies, Fujitsu Technology Solutions (Holding) B.V. (FTS) recycles waste ICT products for corporate and individual customers in 27 countries in the EU, as well as in Norway and Switzerland. In addition, since 1988 at Paderborn, the Group's own recycling center in Germany, we have been contributing to the reuse of waste resources by dismantling products by hand so we can precisely classify and then appropriately recycle the materials.

Moreover, since 2008 Fujitsu Technology Solution's South Africa office has been collaborating with local waste-management companies to collect and recycle from corporate and individual customers all products of any brand, including monitors, printers, mobile phones, desktop PCs, notebook PCs, calculators, TVs, and DVD equipment. This is the first time an ICT company has provided such a service in South Africa.

The FTS Recycling Program

http://ts.fujitsu.com/aboutus/company_information/ business_excellence/environmental_care/recycling.html

Singapore: Fujitsu PC Asia Pacific Pte. Ltd. (FPCA)

Since 2007, Fujitsu PC Asia Pacific Pte. Ltd. (FPCA) has been teaming up with local recycling companies in Singapore to provide an ICT product recycling service for corporate customers.

WEB

FPCA's recycling approach in Singapore http://www.fujitsu.com/sg/news/pr/fpcap_20071101.html

Brazil: Fujitsu do Brazil Ltda. (FBR)

Fujitsu do Brazil Ltda (FBR) is also working with local recycling companies and in 2009 created and launched a service to recycle ICT products.

Promoting Product Recycling in Japan

As an enterprise with official designation for wide-area industrial waste disposal in Japan, Fujitsu engages in various kinds of contracts for accepting industrial waste for appropriate processing.

Fujitsu has developed a nationwide recycling system based on Fujitsu Recycling Centers and other facilities throughout Japan. This system provides for

rigorous traceability and security, and achieves a high resource reuse rate*. By providing this safe and secure service, we are fully discharging our Extended Producer Responsibility (EPR).



The ratio of the amount (by weight) of recycled parts and resources to the amount of end-of-life business ICT products processed.



Wide Area Industrial Waste

Reconfiguring Our Recycling Center Structure in the Tokyo Metropolitan Area

On April 1, 2010, with the goal of realizing even smoother operations, we consolidated activities at the Metropolitan Area Ayase Recycling Center into the Metropolitan Area Sagamihara Recycling Center, resulting in a new nationwide structure of eight recycling centers.

Fujitsu Recycling Centers Throughout Japan



Achievements in Collecting and Recycling End-of-Life ICT Products

We recycled 6,445 tons of ICT products from corporate customers in fiscal 2009, and achieved a resource reuse rate of 90.8%. Also, we have now collected a total of 67,662 end-of-life PCs from individual customers.

Trends in Resource Reuse Rate of End-Of-Life Business ICT Products

FY	2006	2007	2008	2009
Resource reuse rate	91.5	91.8	91.5	90.8

Promoting Recycling

Experienced workers carefully disassemble collected products by hand and separate the materials into categories such as steel, copper, aluminum, precious metals, glass and 20 different types of plastic. They also strive to raise their manual disassembly standards through the use of animated disassembly manuals. Materials recognition equipment has been introduced for plastics that are difficult to discriminate, so as to allow the complete segregation of different types of plastic.

In addition to minimizing the quantity of waste materials in this way, we are continually trying to turn them back into resources that can be reused to make products. To keep our customers informed of these initiatives, we distribute ballpoint pens and clear folders made from recycled plastic at exhibitions and other events, as well as demonstrating PCs being manually disassembled.







Materials recognition equipment

Ballpoint pens A clear folder

Providing Product Recycling Information

In order to properly dispose of end-of-life ICT products, since fiscal 2004 Fujitsu has been operating a digital management system for its products disassembly manual.

Through this system, Fujitsu recycling centers can download from our in-Group website, as animated disassembly manuals all the information they need to recycle products. In addition to providing a downloadable products disassembly manual, the system provides instructions on how to deal with items containing restricted chemical substances and plastic materials, and with products



Electronic Disassembly Manual Management System

Developing a Traceability System

We developed an integrated recycling information management system and since fiscal 2007 have adopted it at the Fujitsu recycling centers.

This system prevents theft and illegal dumping by attaching barcodes to customers' ICT products and managing data on the history of the recycling process from acceptance at the recycling center through disassembly and destruction of the hard disks on a percustomer basis.

Fujitsu Integrated Recycling Process

