Environmental Considerations in Transportation

We are promoting the rationalization and streamlining of logistics in our whole global supply chain and working to reduce transport-related CO2 emissions.

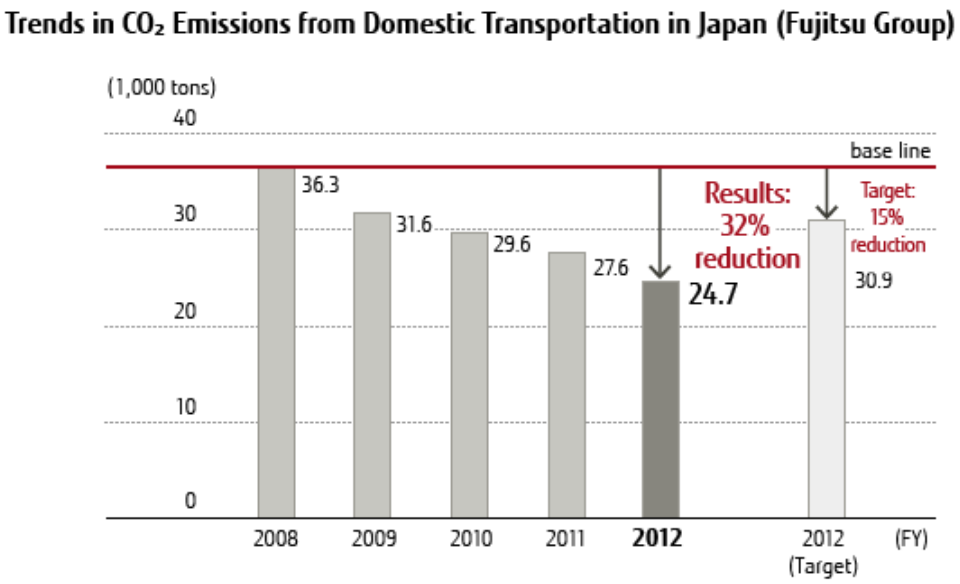
Promoting Global Green Logistics Activity

We are working on Green Logistics Activities that aim to reduce CO2 emissions associated with transportation through coordination among the logistics divisions of all Group companies, and cooperation between manufacturing and sales divisions.

In FY 2011, we created the Fujitsu Group Green Procurement Standards which encapsulate Fujitsu's ideas on green logistics and its specific requests to suppliers. The purpose of these standards is to promote green logistics activities with our suppliers and with the foundation provided by these standards, we will strengthen our relationships with suppliers and strive to reduce the environmental burden associated with distribution across the whole supply chain.

- Fujitsu Group Green Logistics Procurement Direction Edition1.0 [In Japanese] [253KB]

Toward achievement of the goal to reduce CO2 emissions from domestic transport by 15% below FY 2008 levels by the end of FY 2012, as proposed in the Fujitsu Group Environmental Protection Program (Stage VI), we expanded modal shifts and reduced the number of trucks used. As a result, by the end of FY 2012, we were able to achieve an emission of 24,700t, a reduction of 32% (this includes fluctuations in amounts distributed and the effects of the March 2011 earthquake) compared to FY 2008.



Fujitsu Group Environmental Action Plan(Stage VII)

Under the Fujitsu Group Environmental Action Plan(Stage VII), the Group is promoting green logistics activities for transportation within Japan, for intra-region transportation outside of Japan, and for international transportation to achive the goal of reducing CO2 emissions per sales from logistics over 4% compared to FY 2011.

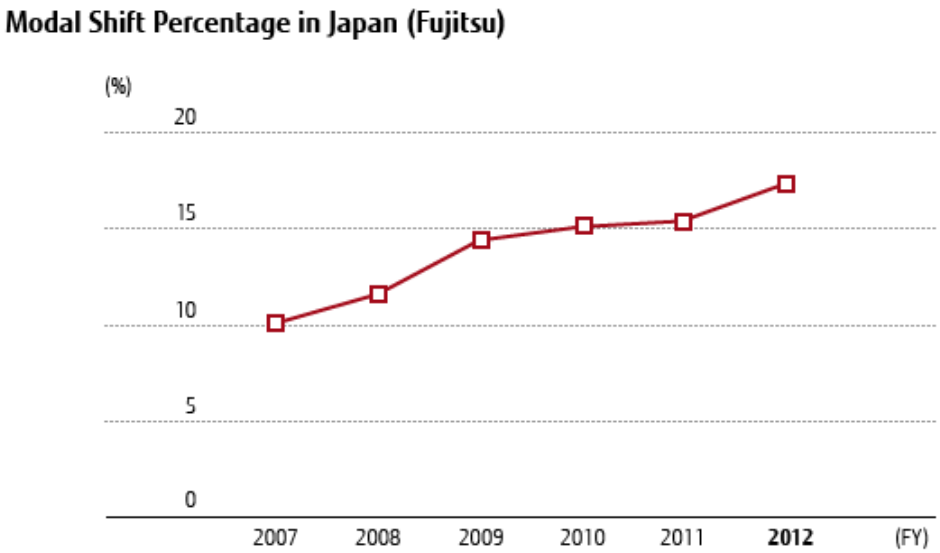
Expanding Modal Shifts

The Fujitsu Group is working to reduce CO2 emissions through an ongoing modal shift. This entails effectively utilizing rail transport and shifting from air to ground transport in everything from parts procurement to product transport.

In FY 2012, we widened our use of rail transport by expanding the rail-based shipment of mobile phones for not only NTT DOCOMO, INC. and KDDI Corp., but also SoftBank Mobile Corp.

In the area of personal computers for individuals, we shifted, in October 2012, from truck to rail transport for shipments from Fujitsu Isotec Limited and Shimane Fujitsu Ltd. to the Tokyo Distribution Center.

Since acquiring the Eco Rail Mark certification in March 2010, we have continued to vigorously promote the use of rail transport.



FDK Corporation is working to reduce CO2 emissions from logistics by shifting from trucks to rail transport for the movement of goods between its Sanyo Plant (Yamaguchi Prefecture) and Kosai Plant (Shizuoka Prefecture). Products are shipped from the Sanyo Plant to the Kosai Plant, which then uses rail on return trips to send returnable boxes back to the Sanyo Plant. FDK also changed the way products and returnableboxes are packed and loaded to improve loading efficiency.

Products loaded into a rail container

Reducing Truck Numbers

In August 2012, we began to share truck space with other electronics manufacturers for shipments of products to the distribution centers of major retailers in some parts of Japan. This increased truck loading efficiency and reduced the number of trucks used.

We also reduced the number of trucks for delivering service parts by changing the logistics networks among parts centers in Tokyo, Minami Machida, Chiba, Yokohama area and delivery to Customer Engineers (CEs).

International Transport Initiatives

The Fujitsu Group began measuring CO2 emissions from international transport in FY 2008, and is now actively working to reduce CO2 transport emissions.

Our activities include modal shifts (shifting from air to ocean transport), shortening transport distances, raising container loading ratio, and reducing air transport frequency.

Initiatives at Group Companies

At major group companies in Europe, North America and APAC, we began in FY 2011 to measure CO2 emissions from international and regional transport. We have been promoting green logistics activities with logistics partners and with the cooperation of customers.

Using Low-Emission Vehicles to Cut Shipping-Related CO2 Emissions

U.K.-based Fujitsu Services (FS) began in 2012 to use fuel-efficient low-emission vehicles equipped with idling-stop functions as delivery vehicles for service parts.

Low-emission vehicles

Cutting Distance Traveled and Increasing Loading Efficiency by Reducing Emergency Shipments

By adjusting service part inventories at parts centers, FS has also reduced the distance traveled to deliver service parts. When parts are not needed immediately, shipments are rescheduled to the next day to concentrate shipments. Furthermore, appropriately sized vehicles are used to increase loading efficiency.

Promoting Modal Shifts (Shifting to ground transport from air transport)

Hong Kong-based Fujitsu PC Asia Pacific Ltd. (FPCA) has begun to shift from air transport to ground transport for the shipment of procured items from Shanghai to Hong Kong. This not only reduces CO2 emissions but also helps to lower costs.

Packaging and Container Loading Improvements

When Fujitsu Australia (FAL) needs to ship multiple, separate products to customers, it consolidates the packaging on a customer-by-customer basis. This activity helps reduce use of packing material and improve transport efficiency.

Reducing the Use of Cardboard and other Packaging Materials

To reduce the whole environmental burden of the distribution process, we are promoting 3R*1 efforts for packaging products and parts.

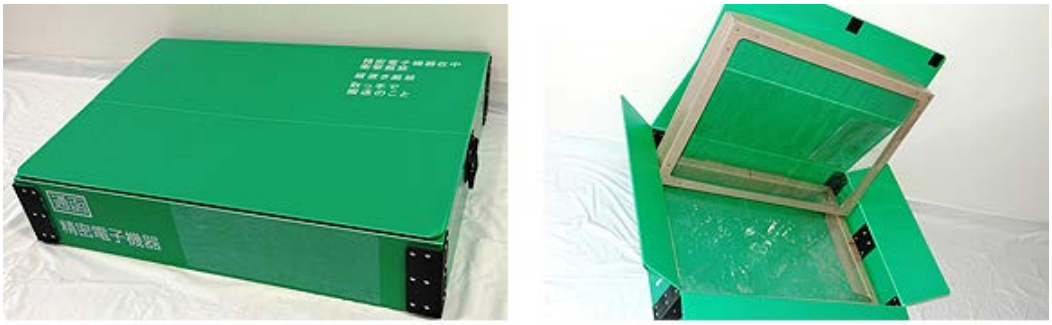
Reducing the Use of Cardboard and other Packaging Materials

The Fujitsu Group has been replacing cardboard and other materials used to package products with reusable alternatives. This has reduced the use of cardboard and other cushioning packaging materials.

In addition, returnable containers have been adopted for use in shipping products to and from Fujitsu's service centers. The use of reusable packaging materials, rather than single-use cardboard and foam cushioning materials, reduces waste and lowers the burden on the environment.

*1 3R:
Reduce, Reuse, and Recycle

- Eco-Friendly Packaging



Returnable container for IA Servers