

Top Message	Interview to Head of Corporate Environmental Strategy Unit	Special Feature: Human Centric Intelligent Society	Fujitsu Group Environmental Action Plan Stage VII	Chapter I Contribution to Society	Chapter II Reducing Our Environmental Burden	Environmental Management	Data Overview	
Reducing Greenhouse Gases (GHG) Emissions and Boosting Energy Intensity at Our Business Sites	Promoting Environmentally Conscious Datacenters	Reduce CO ₂ Emissions from Logistics and Transportation	Promoting CO ₂ Emission Reductions with Our Business Partners	Increasing Amounts of Renewable Energy Used	Efficient Use of Water Resources	Reducing Chemical Substances Emissions	Limiting Amounts of Waste Generated	Product Recycling

Reducing Chemical Substances Emissions

Our Approach

We manage the amounts used for about 1,300 chemicals in the Fujitsu Group in order to prevent environmental risks that could lead to environmental pollution or adverse health effects due to our use of harmful chemical substances. We operate a Chemical Information System called "FACE," which we use to register and monitor chemicals at every site, manage Safety Data Sheets (SDS), control income and expenditures in conjunction with purchasing data and inventory data, and strengthen our management and efficient use of chemicals.

Summary of FY 2014 Achievements

Targets under the Fujitsu Group Environmental Action Plan (Stage VII) (toward FY 2015)	Reduce chemical emissions to less than the average level of FY 2009–2011 (PRTR: 21 tons , VOC: 258 tons)
FY 2014 Key Performance	PRTR: 19 tons / VOC: 219 tons

FY 2014 Performance and Results

Ensured Stronger Control of Chemical Substances by Linking Our Chemical Information and Purchasing Data Systems

We linked our FACE Chemical Information System with our Purchasing Data System, such that it is now impossible to purchase chemical substances that are not registered in our systems. In FY 2014, we introduced this new linked approach at multiple business sites within the Group.

At our Fujitsu Akashi Plant, for instance, which houses multiple Group and non-Group companies, we are deploying this system in order to fortify each company's compliance with laws and regulations related to the environment. We are thoroughly implementing chemical substance management by sorting, as either registered or unregistered, the chemical substances in over 10,000 items purchased each month.

Achieved On-Going PRTR Substance and VOC Emission Targets

Group-wide chemical substance emissions for FY 2014 came to 19 tons for PRTR substances and 219 tons of VOC, thanks to efforts that included enhancing our maintenance of recovery equipment.

TOPICS

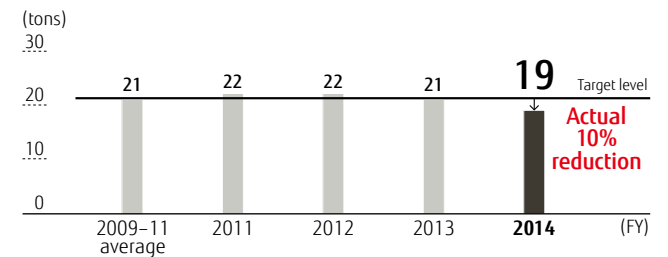
Mitigating Environmental Burdens from the Chemical Treatment of Magnesium PC Cases

At Fujitsu Kasei Limited, hydrofluoric acid-containing etching agents are used in the chemical treatment process for PC cases made from magnesium alloy, in order to prime and rust proof case surfaces before painting.

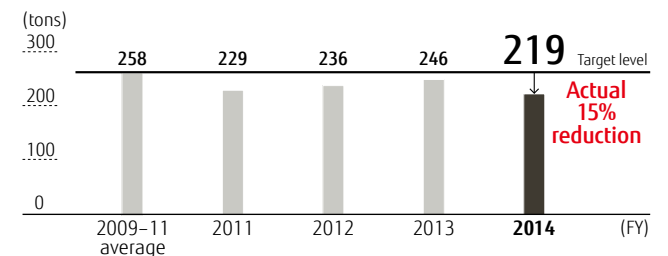
Big data accumulated internally at the same company has been used to discover an optimal process for reducing the amount

of etching agent needed, while still maintaining control values for the etching agent tanks. We began applying this approach to our large-scale production in January 2015. As a result, we have been able to reduce our amount of agent consumption by 50%, while producing fewer waste products, reducing energy and water usage, and lowering costs by approximately 2.4 million yen annually.

Trends in PRTR Substance Emissions in Japan



Trends in VOC Emissions in Japan



FY 2015 Targets and Plans

Continue to Limit PRTR Substance and VOC Emissions

We will continue holding the Fujitsu Group-wide emissions of chemical substances below the average from FY 2009–2011 in Japan. In particular, we plan to review new reduction measures for painting processes, which involve high emissions of chemical substances.