

GHG Emission Reduction through the Provision of ICT

Our Approach

Through the provision of ICT, the Fujitsu Group is working to create innovations in wide-ranging areas of society, including improvement of efficiency in energy usage, greater efficiency in production activities, and reduction in the movements of people and goods. By doing so, we aim to contribute to the reduction of GHG emissions. We believe that the use of ICT by large numbers of customers will reduce GHGs in society overall, while leading to ongoing business growth for the Fujitsu Group as well.

The Fujitsu Group is working to quantitatively visualize – and also expand – the contribution to GHG reductions from the ICT used by our customers. Between FY 2009 and FY 2012, this ICT usage has contributed to a cumulative reduction of 12.23 million tons of CO₂ emissions. From FY 2013, we extended the scope of our targets overseas, and have aimed to contribute to a global cumulative reduction in emissions of 38 million tons or more over the three years through FY 2015. We achieved that target with a result of 39.99 million tons reduced globally.

Summary of FY 2015 Achievements



Performance and Results for FY 2015 Expanding Environmentally Conscious Solutions

To advance the quantitative visualization of GHG reduction effects through ICT, we recognize solutions with an expected reduction effect of 15% or more as "environmentally conscious solutions." In FY 2015 we moved ahead with recognizing these cases, centered on solutions that we provide to large numbers of customers. Moreover, we leveraged opportunities to propose environmental contribution effects to customers and worked to convey the environmental value of our solutions.

Amount of Contribution to Reducing Emissions of Greenhouse Gases (GHG) through the Provision of ICT

(million tons)



* Values for FY 2010 to FY 2012 represent performance under the Environmental Action Plan (Stage VI). From FY 2013, we are expanding the scope globally.

Recognizing 51 New Cases Including Cloud-Related and Tablet Utilization Solutions

The Fujitsu Group recognized 51 new cases of environmentally conscious solutions in Japan, bringing the cumulative total to 451. These new cases include the GLOVIA Smart Hotel Cloud Service, which offers total support for hotel management, and the AZCLOUD SaaS teraSpection cloud-based service, which uses tablets to manage inspection data for buildings and condominiums.

Examples of cloud-related solutions

- 1. FUJITSU Integrated System PRIMEFLEX for Cloud A vertically integrated virtual cloud platform
- 2. AZCLOUD SaaS teraServation A cloud-based service for the maintenance and renovation industry

Examples of tablet utilization solutions

1. AZCLOUD SaaS teraSpection

A cloud-based facility inspection service using tablets

2. Tablet system for financial institution sales offices

FY 2016 Targets and Plans

Maintaining Activities for the Sustainable Development Goals (SDGs) and Working to Boost Accuracy when Reporting Our Contribution

In September 2015, the United Nations announced "Goal 13: Take urgent action to combat climate change and its impacts" in the SDGs at the heart of the UN's "2030 Agenda for Sustainable Development." Fujitsu will continue to promote our MetaArc and other cloud-based services in order to help achieve this goal. Additionally, we will review our method for calculating the level of our contribution and will report a more accurate performance figure.



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Main Activities in FY 2015

Promoting Growth in Customer Utilization

Inside Japan, Fujitsu is promoting customer utilization of our solutions by, for example, quantitatively assessing the benefits of Yamato Protec Corporation's adoption of AZCLOUD SaaS teraServation. Yamato Protec sees disaster preparedness as part of addressing environmental issues and engages in R&D with the philosophy of "starting from the essentials." The company also promotes the commercialization of environmentally friendly fire extinguishers and equipment, as well as the recycling of extinguishers.

The company's aim in introducing teraServation was to boost the quality and operating efficiency of their maintenance inspections, but it is also contributing to a lower environmental burden from energy savings and other gains in their offices. Although no performance statistics exist yet for the newly adopted system, Fujitsu's calculations suggest an approximate 15% CO₂ reduction, despite greater power consumption by the company's ICT equipment. The company has commented that

they "would like to utilize ICT to make work tasks more efficient and reduce environmental burden going forward."



Yamato Protec's fire fighting equipment

Example of the system in use (simulated image)

Strengthening Initiatives Overseas

Accompanying plans to bolster local business using the EcoCalc web tool, Fujitsu conducted workshops in Spain and Finland to share best practices and to create proposals using business cases from these countries. A municipal customer in Finland, Mikkeli City, has published information on their website detailing the adoption and the evaluation of Fujitsu's CaseM Solution. Fujitsu is proceeding in FY 2016 to cultivate and expand new initiatives in Europe alongside leaders in Spain, Finland, the UK, and Ireland.





Team members from Spain, the UK, Ireland, and Iapan

Team members from Finland and Japar

Reference Calculation Method for Amount of GHG Reduction Effect

At the Fujitsu Group, we have assessed the quantitative reduction in environmental burdens (in terms of reduced CO₂ emissions) from ICT adoption. In calculating the amount of GHGs reduced annually, we tally CO₂ emission reductions per unit of sales and annual sales for each solution category.

In order to increase the accuracy of our GHG reduction figures in FY 2016, we are changing from conventional categories to calculations made for each recognized solution.

Overview of Environmental Impact Assessment Methodology



Comment from Third-Party Verification Body

In continuation with last year, we reviewed, from a third party perspective, the FY 2015 data on the amount of contribution to GHG emission reduction through the provision of ICT. From the fact that all of the basic data used for



calculations has undergone checks by the internal Review Meeting, we again confirmed that a calculation framework is in place and functioning effectively. The same calculation method as last year was employed for the FY 2015 tallies, though we observed Fujitsu's active stance toward reviewing and improving their approach in order to increase the accuracy of calculations for the next term.

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