Realization of a Resource Efficient Society

Together with our customers and society, Hitachi will do its utmost through its business operations to help build a society that uses water and other resources efficiently. We will expand circulative uses of water by further advancing the entire range of water treatment technologies involved in water use from seawater desalination and other forms of fresh water generation to sewage treatment.

We also aim to improve our usage efficiency of water and other resources by 50% compared to fiscal 2010 levels by fiscal 2050. To achieve this target, we will create products that last longer and use less resources, make thoroughgoing efforts to collect and recycle used products, reduce the volume of water used in the production process such as through purification and reuse, and engage in other efforts.

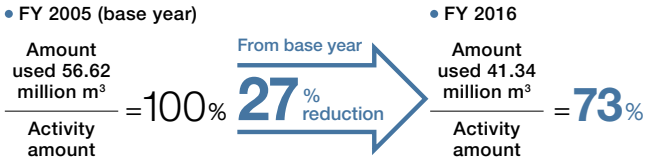
Improving Usage Efficiency of Water and Other Resources

Water Conservation

Hitachi uses water in such production processes as cleaning, cooling, and painting. To reduce water usage through greater efficiency, we are enhancing our level of water management by installing flow meters at more locations, introducing wastewater treatment devices to increase the use of recycled water, and upgrading water supply facilities at our business sites.

Different countries and regions are affected by water-related issues in different ways, so we devise appropriate countermeasures for each region. Our business sites in China, India, and the Philippines, for example, are striving to reduce the volume of water used by strengthening measures against water leakage.

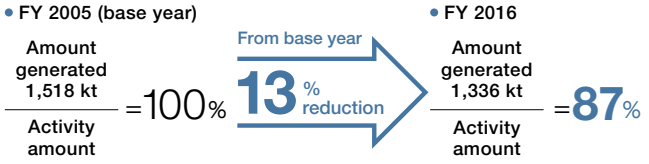
Reduction in Water Usage per Unit



Reducing Waste Volume

For fiscal 2016, we set a target of a 12% reduction (from a base year of fiscal 2005) for waste and valuables generated per unit, bettering this by achieving a 13% reduction. Every business site is reducing waste through onsite recycling of byproducts and scrap from the production process and efforts to curb use of packing materials during transport. Under the Zero Emission initiative, which seeks to minimize landfill disposal, 98 business sites achieved their zero emission goal* as of fiscal 2016.

Reduction in Waste and Valuables Generated per Unit



* Defined as a final disposal rate (landfill disposal/waste and valuables) of less than 0.5% in any given fiscal year.

Zero Emission Sites
http://www.hitachi.com/environment/activities/data/zeroemission.html

Creating a Resource Efficient Society Through Business

Water Solutions to Protect Global Water Resources

Water covers 70% of the earth's surface, but only 0.01% of it is potable. Demand for water, however, is on the rise globally, with more than 40% of the world's population expected to face severe water shortages by 2050.

Hitachi has acquired an extensive record in the water business as it strives to become a comprehensive water service provider. We have supplied equipment to around 700 water purification plants and 900 sewage treatment plants in Japan, and over 200 sites in some 40 countries and regions around the world. We continue building on this experience to provide a variety of water infrastructure globally.

We are currently moving forward on IoT-based, optimized, and highly efficient water business solution offerings, including water supply and sewage systems and seawater desalination plants. For example, our energy-efficient seawater desalination plant dilutes seawater with treated sewage to lower the salt concentration, reducing the pump pressure required for the desalination process and cutting energy consumption by approximately 30%.