

2 Comparison of Results versus Targets

The Yokogawa Group sets the following medium- to long-term targets for its environmental activities, as well as more detailed targets to be attained within the current fiscal year.

Medium- and Long-term Targets

1. All Group firms shall establish an environmental management system, and especially the consolidated manufacturing firms shall aim to obtain ISO14001 approval.
2. The Group shall promote recycle-based management, create environmentally friendly ("green") products, reduce use of pollutants, and provide environmental solutions.

Actions, Targets, and Results for 2000 (for 9 sites within the scope of last year's report)

Category	Action	Target for 2000	Result for 2000
Design for environment	Enforce the Environmental Assessment Standard for Product Design to improve development and design of products.	Identify developed products on which the Environmental Assessment Standard for Product Design and the lifecycle assessment should be enforced in order to improve development and design of products.	Done for 11 models (see page 26).
	Complete the policy for designing environmentally friendly products.	Establish a design method that incorporates recycling.	Established the Recycle-based Product Design Standard (see page 13).
Effective use of energy	Reduce carbon dioxide emissions produced by energy consumption.	Reduce by *9.6% from the level in 1991.	Reduced by 7.8% from 1991.
Amount of waste (excluding recycled amounts)	Reduce the amount of waste.	Reduce by 64.0% from the level in 1995. (At Headquarters, also achieve "zero refuse for landfill.")	Reduced by 61.8% from 1995. (Headquarters achieved "zero refuse for landfill" in July 2000.)
Amount of paper used	Reduce the amount of paper used.	Reduce by *29.3% from the level in 1996.	Reduced by 28.5% from 1996 (see page 20).
Reduction in amount of toxic substances used	Reduce the amounts of trichloroethylene and tetrachloroethylene used.	Phase out these substances during 2000 at both Headquarters and the Kofu plant.	Done not merely at Headquarters and the Kofu plant but also Yokogawa Fine Technology Corp. (see page 22).
	Reduce the amounts of HCFCs (substitutes for CFCs) used.	Monitor the amount of HCFCs to prevent an increase and implement reduction measures.	Done (see page 22).
"Green" purchasing	Stimulate the "green" purchasing program.	Maintain and improve the "green" purchasing program.	Visited 10 subcontractors and provided instructions and advice.
		Issue a "green" purchasing guideline.	Done (see page 21).

* These target figures were altered during the course of the year.

Results for 2000 and Targets for 2001 (for 16 sites)

Category	Action	Result for 2000	^{†††} Target for 2001
Environmental management system implementation	Acquire a single ISO14001 registration for the entire site.	—	Acquire a single ISO14001 registration for the entire site at Headquarters, Kofu plant, and Akiruno plant.
Design for environment	Identify developed products on which the Environmental Assessment Standard for Product Design and the lifecycle assessment should be enforced in order to improve development and design of products.	Done for 11 models (see page 26).	Identify developed products on which the Environmental Assessment Standard for Product Design and the lifecycle assessment should be enforced in order to improve development and design of products.
	Complete the policy for designing environmentally friendly products.	Established the Recycle-based Product Design Standard (see page 13).	Establish criteria for selecting recyclable materials.
Effective use of energy	[†] Reduce carbon dioxide emissions produced by energy consumption.	Reduced by [†] 6.7% from the level in 1990 (see page 20).	Reduce by [†] 7.6% from the level in 1990.
Amount of waste (excluding ^{††} circulating resources)	Reduce the amount of waste.	Reduced by 53.7% from 1995. (Headquarters achieved "zero refuse for landfill" in July 2000. See page 24.)	Reduce by 58.6% from the level in 1995. (At the Kofu and Akiruno plants, also achieve "zero refuse for landfill.")
Reduction in amount of toxic substances used	Reduce the amounts of trichloroethylene and tetrachloroethylene used.	Done at Headquarters, Kofu plant, and Yokogawa Fine Technology Corp (see page 22).	Phase out these substances at the Mie plant and reduce by 80% from the level in 1998 at the Nagano plant.
	Reduce the amounts of HCFCs (substitutes for CFCs) used.	The amount of HCFCs has been monitored to prevent an increase, and reduction measures have been implemented (see page 22).	Phase out these substances at Headquarters and the Kofu plant.
"Green" purchasing	Stimulate the "green" purchasing program.	Issued Green Purchasing Guideline (see page 21).	Review the green purchasing criteria to expand "green" goods purchased. Complete the green purchasing criteria to provide better instructions and advice to more vendors.

[†] The reference year for reduction of carbon dioxide emissions in energy consumption was altered from 1991 to 1990.

^{††} In regard to the amount of waste, the expression "recycled amounts" was altered to "circulating resources."

^{†††} Akiruno, Mie, and Nagano plants were integrated under Yokogawa Electronics Manufacturing Corp. as its respective business divisions in April 2001.



Looking Back on 2000, Looking Forward on Future Development

In fiscal year 2000, Headquarters and the Kofu plant of Yokogawa Electric Corporation and Yokogawa Fine Technology Corporation passed with flying colors the third-year assessment under the ISO14001 international standard for certifying environmental management systems. In addition, one firm in Japan and two firms overseas in the Yokogawa Group newly received the ISO14001 certification. Regarding individual environmental protection activities of particular note, a system of developing environmentally friendly products was completed, the goal of zero landfill refuse was achieved at Headquarters, and the phase-out of toxic substances used at major plants was accelerated. However, despite strenuous measures to improve energy efficiency, the target could not be reached; we will therefore analyze the root causes and identify what needs to be done to achieve the target.

In 2001, the Group must commit itself to every environmental protection activity in order to upgrade the management quality of the entire Yokogawa Group. This means that not only the manufacturing divisions which are closest to environmental issues, but also clerical, engineering, and sales departments must step up environmental protection measures.

Medium-term targets to be accomplished by 2003 were defined, and the Group is steadily working to meet them.



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