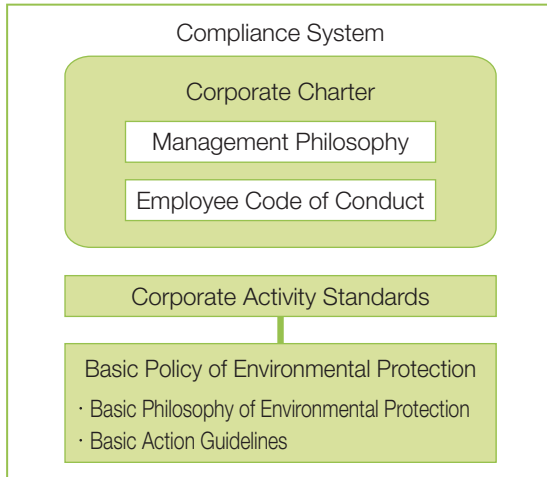


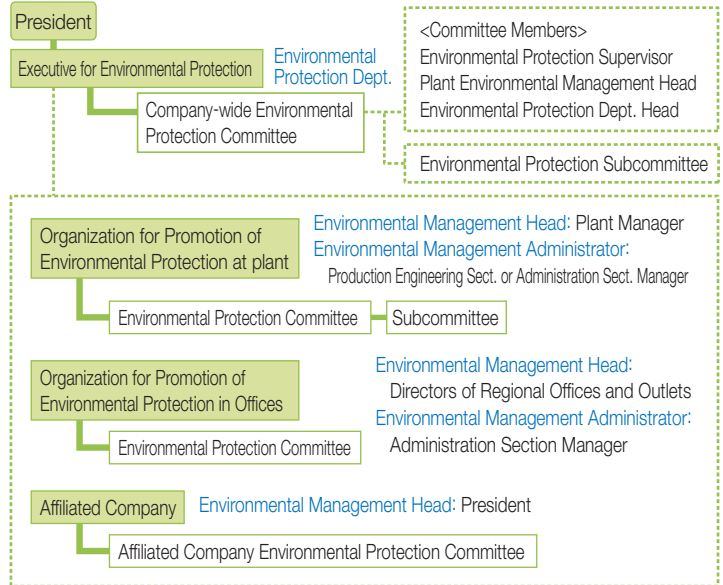
Yaskawa as a whole strives to reduce environmental impact by using our Environmental Management System which is based on ISO 14001.

## Basic Philosophy of Environmental Protection

### Corporate Standards and Environmental Protection

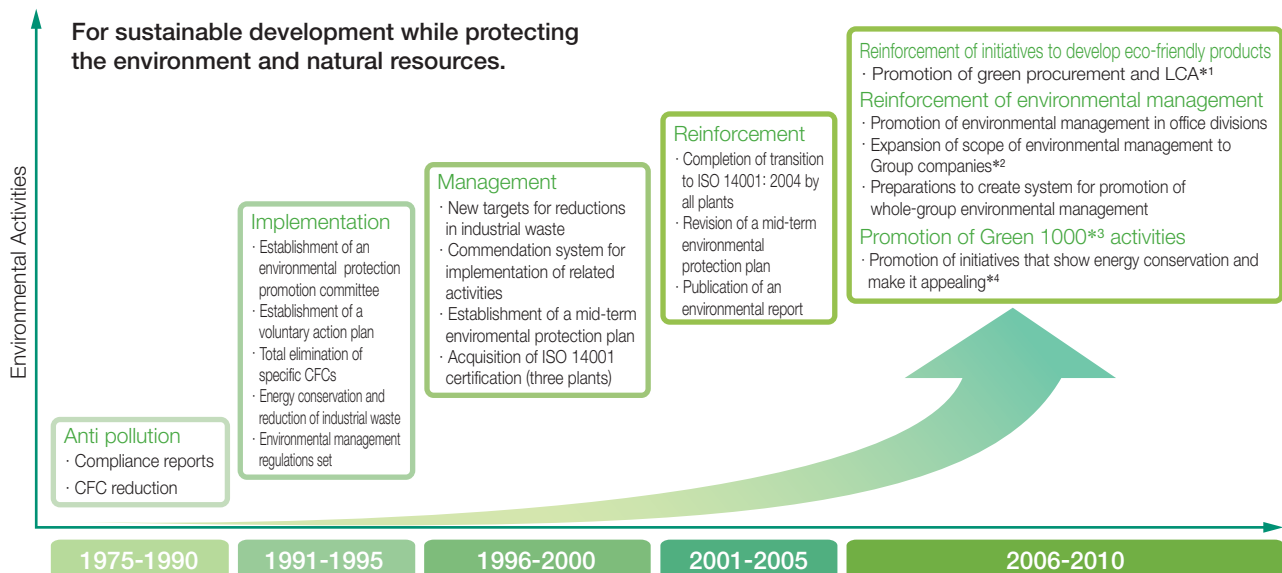


## Organization for Promotion of Environmental Protection



Yaskawa and affiliated companies have continued to promote the environmental programs in accordance with group-wide policies and implementation plans that have been deliberated and decided by the Company-wide Environmental Protection Committee.

## Saving the Environment



- \*1 LCA (Life Cycle Assessment): We are quantitatively ascertaining and evaluating the environmental impact of the entire life cycle of products, and pursuing efforts to reduce the environmental impact of products and services.
- \*2 Expand scope of environmental management to Group companies: We have begun managing basic environmental data (energy, waste).
- \*3 Green 1000: Company-wide activities in which all employees participate to build a workplace environment seeking to care for the environment and reduce costs
- \*4 Show energy conservation and make it appealing: We are taking steps to vitalize energy conservation activities by shifting to AC drives in facilities and equipment, adopting LED lighting, and engaging in other such measures to (actively) show our energy conservation measures and to feel them (make them felt).



## FY2010 Status in Action Plan for Environmental Protection

Category		Midterm Targets	FY2010 Targets	Results	Self Evaluation*
Reduction of Greenhouse Gas Emissions		6% reduction of CO <sub>2</sub> emissions from the FY1990 level for Yaskawa production plants (not including Group company plants) in Japan by FY2012	13% reduction of emissions, 58% reduction per unit of production from the FY1990 level	Worked to reduce CO <sub>2</sub> by optimizing energy management and running "Green 1000" environmental activities in which all staff participate; achieved 18% reduction in emissions, 61% reduction per unit of production.	A
Reduction of Total Wastes (Including revenue-generating waste)		Reduction of final disposal rate to 3% or less for Yaskawa production plants (not including Group company plants) in Japan by FY2011	Generation of total wastes per unit of production: 5% reduction (compared to FY2009)	Generation of total wastes per unit of production: 25% reduction (compared to FY2009)	SA
			Final disposal of total wastes: 3% or less	Final disposal of total wastes: 1.21%	SA
		Industrial waste final disposal rate: 1% or less	Industrial waste final disposal rate: 1% or less	Industrial waste final disposal rate: 0.54%	SA
Hazardous Substances Control	Reduction of Volatile Organic Compounds (VOC)	30% reduction in emissions from the FY2000 level by FY2010	Analysis of emissions Drawing up of priority measures	29.4% reduction (compared to FY2000)	B
	Green Products	Bring the percentage of Green Procurement for new products to 80% or more on a company-wide scale by FY2011.	Release and start operations of guidelines and support systems compliant with the EU REACH regulation	Issued version 4 of guidelines compliant with REACH regulation, adopted new green procurement system and began its operation	A
	PCB Treatment	Proper disposition of all PCB-containing equipment by FY2016	Storage and documenting of applicable equipment in accordance with the relevant laws Disposal of 100 stabilizers	In accordance with company-wide waste disposal plans, we disposed of 145 stabilizers that had been stored at the Kokura plant.	SA
Environmental Management	Environmental Management System	Maintenance of ISO 14004 registration and continuous improvements in environmental performance indexes	All applicable plants passing audits under ISO 14001: 2004	Domestic plants passed all renewal and annual reassessments.	A
	Design for Environment	100% implementation of environmental friendliness evaluations using life cycle assessment (LCA) of environmentally strategic products by FY2011	Establishment of mechanism for enabling visual measurement of environmental impact by means of LCA	Put standardized LCA implementation standards and shared database into operation and confirmed unhindered capability for expanding models undergoing LCA	A

\* Self-evaluated achievement ratios to targets: SA - 130% or more, A - 100% or more, B - 50% or more, C - under 50%

We have been providing employees with programs on environmental laws and regulations, so that they will be rigorously observed. As a result, there were no violations of these laws or regulations, nor any penalties under them, in fiscal year 2010.

Law Concerning the Rational Use of Energy was revised in 2008 and put into effect in fiscal year 2010. Management of energy utilization figures, which until now had been carried out by individual plants, will now be carried out collectively by

the business operator.

Yaskawa has submitted notifications of energy utilization status in accordance with this law, and has been appointed a designated business operator. Of our six production plants, the Yukuhashi Plant has been designated a Type 1 Designated Energy Management Factories, etc., and the Iruma Plant and Yahata Plant have been designated Type 2 Designated Energy Management Factories, etc.

## ISO 14001 Activities

Yaskawa Electric had been acting on environmental issues by focusing on pollution control activities, and established the Basic Philosophy of Environmental Protection and the Basic Action Guidelines in 1993. Formulation of these guidelines included the establishment of an environmental management organization and an internal environmental auditing system. Thus, the system for environmental conservation was fully established. Thereafter, the Environmental Management System

was introduced based on the international standards certification ISO 14001 published in September 1996. To become "a global leader that gives consideration to the environment and can continuously reduce the environmental impact," acquisition of ISO 14001 certification by the end of the FY2000 in all plants was planned in 1997, and six domestic plants attained this certification by April 2001.

(The Yahata plant and Yahata-higashi plant are registered as the same site.)

### Plants with ISO 14001 Certification and the FY2010 Reassessment Results

Location (Certification number)	Date Certified/ Date Assessed	Registered Entities	Scope of Registered Activities Including Products, Processes, and Services
Iruma Plant (JQA-EM0202)	Aug. 14, 1998 Renewal reassessment July 2010	- Iruma plant - Yaskawa Manufacturing Corporation, Kanto Company - Yaskawa Logistec Corporation, Kanto Division, Saitama Office	Development, design, and manufacture of servomotors and electronic control equipment (No suggestions)
Yukuhashi Plant (JQA-EM0498)	Aug. 13, 1999 Annual reassessment July 2010	- Yukuhashi plant - Yaskawa Techno Plate Corporation - Yaskawa Controls Co., Ltd. - Yaskawa Manufacturing Corporation, Yukuhashi Office - Yaskawa Logistec Corporation, Yukuhashi plant - Yaskawa Siemens Automation & Drives Corporation, Yukuhashi plant - Yaskawa Electric Engineering Corporation, Yukuhashi Repair Factory, Yukuhashi Repair Shop - Okazumi Industry Corporation - Suematsu Kyuki Co., Ltd. - Nomiya Electric Corporation	Design, development & manufacture of system products, control panels, AC drives, electrical-equipment housings, mechatronic equipment, lead switches, and water cleaners. Installation, test operation and incidental service (maintenance, repairs and upgrades) for electric devices. (One suggestion)
Yahata Plant (JQA-EM0924)	July 7, 2000 Annual reassessment June 2010	- Yahata plant - Yahata-higashi plant - Yaskawa Motor Corporation - Yaskawa Manufacturing Corporation, Seikou Company - Yaskawa Manufacturing Corporation, Yahata Company - Yaskawa Logistec Corporation, Yaskawa Logistec Corporation, Robots Office - Yaskawa Logistec Corporation, Yaskawa Logistec Corporation, Yahata Office	Design, development, and manufacture of medium and large motors, mechatronic equipment, industrial robots and robot control devices, as well as physical distribution services (No suggestions)
Kokura Plant (JQA-EM1469)	March 30, 2001 Annual reassessment May 2011	- Kokura plant	Planning, research, and development of mechatronic systems. (No suggestions)
Nakama Plant (JQA-EM1532)	April 20, 2001 Annual reassessment March 2011	- Nakama plant	Manufacture of semiconductor manufacturing equipment and cast parts and welding parts for motors and industrial robots. (No suggestions)

### Status of ISO 14001 Certification Acquisition by Affiliated Companies (Reference)

Affiliated Companies that Have Acquired Certification	Certification Number (Date of Acquisition)	Scope of Registered Activities, Including Products, Processes, and Services
YE Data Inc. (Including YD Mechatro Solutions Inc.)	JQA-EM0778 (March 17, 2000)	· The design, development and sales of information multimedia products · The design, development and manufacturing of optomechanics products · Data recovery services
Yaskawa Logistec Corporation (including Kyushu Logistics Center, Kanto Logistics Center)	JQA-EM2127 (February 8, 2002)	· The providing of logistics services (transportation, storage, domestic and export packaging and value added distribution) · The design and providing of packaging materials
Yaskawa Information Systems Corporation	JQA-EM4922 (September 22, 2005)	The software development, the development, design, and sales of electronic control devices, and integrating server products The development and sales of software
Yaskawa America, Inc.	EAGLE-No. 3141 (August 18, 2006)	The design, manufacture, servicing and refurbishment of standard and custom robotic systems, the procurement of spare parts

We recognize that global environment conservation is the main pillar in assuming corporate social responsibility, and based on our Environmental Management System, we have been doing our utmost to reduce the environmental impact resulting from business activities. To maintain and further improve the Environmental Management System, we use outside auditors to annually check the system. During the FY2010 reassessment, the Yukuhashi plant received one suggestion for improvement. For this item needing rectification, we have drawn up and implemented corrective plans for continued maintenance and improvement of our Environmental Management System.

### Internal Auditor Training

Internal auditors are being trained to enable them to perform internal environmental audits. During FY2010, we conducted a training program for new internal auditors three times, and certified 49 internal auditors, as planned.



Internal auditor training at Kokura plant



## Consciousness-Raising Programs for Employees

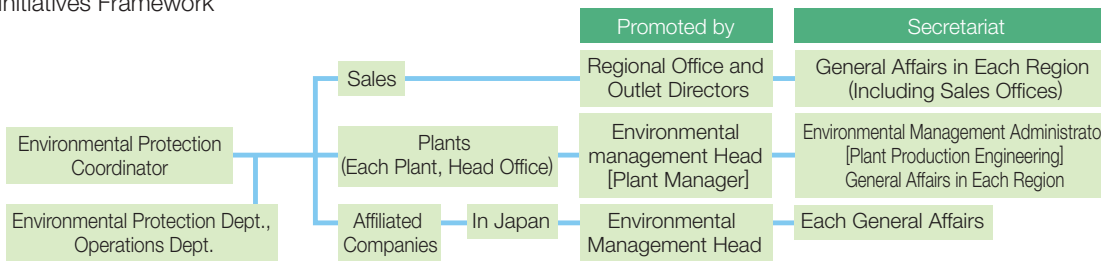
### “Green 1000” Environmental Activities by All Employees

Yaskawa Electric initiated the Green 1000 environmental activities with participation by all employees in FY2009 to strengthen our environmental management. Our aim is to enhance each member’s environmental awareness as well as to create a Green Office and Green Factory that both care for the environment and cut costs by setting energy conservation and resource-saving targets.

In FY2010, we began environmental patrols as part of the Green 1000

activities. Employees are checking each other's worksites with respect to the program themes of energy conservation and resource saving as a measure for thoroughgoing program implementation. We have also begun publishing an "Eco News" for the purpose of raising consciousness about environmental, cost, and security improvement activities through the optimization of printing-related management as well as about environmental impact reduction activities.

#### • Initiatives Framework



• [Target] Reduce CO<sub>2</sub> emissions by 1 kg per person per day; no paper trash, no waste, but no backlog of work



### Printing-Related Energy Conservation and Resource Saving Measures

Yaskawa has begun optimization through streamlining of all types of printing equipment throughout the company (printers, photocopiers, multifunction equipment, fax machines) with the aim of reducing materials printed on paper. We have also begun introducing a printing authorization system.

In FY2010, the Kokura Plant introduced a model system for printing authorization that uses employee ID in the form of IC cards.

The purpose of this project is to strengthen our energy conservation, resource saving, and security (preventing the leak of information from printed media) and to save on costs reducing the amount of printing equipment by half.

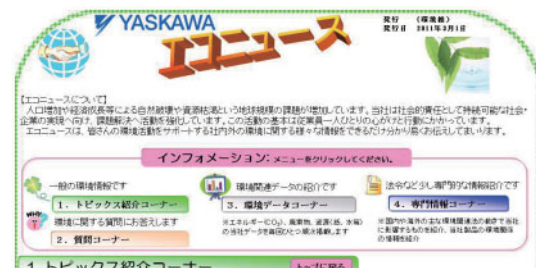
We have achieved a reduction of approximately 45% in printing equipment in number of units. In terms of paper used, we have achieved a reduction of approximately 34% (compared to FY2008).

We intend to use the results from introduction of this model system at the Kokura Plant for future phased deployment to all Yaskawa plants.

### The "Eco News"

We have begun publishing an in-house bulletin to provide our employees with easily readable information of various kinds about environmental matters inside and outside Yaskawa. This is the "Eco News" that is available (in Japanese-language version only) on the in-house part of our website.

The "Eco News" is published monthly, and its readership is on the rise. We are making every effort to increase readership by making it easier to read and by using photographs that show specific people, things, and events.

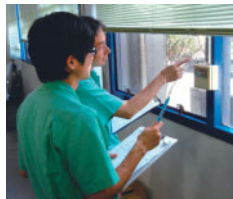


## Environmental Patrols

Environmental patrols have been started for the purpose of strengthening our Green 1000 activities related to energy conservation and resource saving themes, which have been implemented since FY2009. Environmental patrols are ways for company divisions to check the implementation status of each other's activities on energy conservation and resource saving themes, and they are intended to encourage mutual consciousness-raising and the discovery of new Green themes.

### Environmental Patrols Conducting Checks

Are room temperature standards being followed?



Are any printed materials left unattended?

## Environmental Awards

We established the Environmental Protection Promotion Awards in FY1996. Outstanding projects are commended and posted on the in-house website. Activities that have been effective in reducing environmental impact are given point ratings for their idea, effort, and environmental effectiveness, and monetary awards are given in accordance with the total points scored. This system has been vitalizing the environmental conservation promotion activities and heightening the employees' awareness for involvement. There were 27 applications for activities carried out in FY2010. Below are some examples of excellence.

### Reuse of Resources by Solder Recycling at Iruma Plant

The Iruma Plant has changed over to lead-free operation of every line for the circuit board manufacturing process. We took this as an opportunity to start a solder recycling program, and installed equipment that recovers just the solder components from soldering waste for reuse.

Before this equipment was installed, soldering waste was sold to waste contractors as revenue-generating waste. Its installation, however, made it possible to recycle solder, allowing us to reduce waste and cost.

We expect to achieve a 45% reduction in the amount of waste as well as a reduction in procurement expenses in FY2011.

## Environmental Accounting

Results for environmental protection costs and their economic and environmental impact for six domestic production plants in accordance with "Environmental Accounting Guidelines 2005" by the Ministry of the Environment are given in the following table.

### Environmental Conservation Costs (10 thousands of yen)

Category		Investment	Cost
Business Area Costs	Pollution Prevention Costs	0	570
	Global Environment Conservation Costs*1	4,690	5,407
	Resources Recycling Costs	0	11,038
	Subtotal	4,690	17,015
Upstream/downstream Costs		—	—
Administration Costs		0	2,713
R&D Costs*2		0	78,750
Social Activity Costs		—	388
Environmental Remediation Costs		—	—
Total		4,690	98,866

\*1: The major investments were the upgrade of the power receiving equipment, installation of more efficient lighting, and so on at the Yahata Plant.

\*2: The major research and development costs were expenses for research and development relating to energy creation and vehicle-mounted drives at the Kokura Plant.

### Economic Effects (10 thousands of yen)

In-house	Energy Costs	104
	Waste Material Disposal Costs	6,123

Placing waste in the solder recovery device



Soldering waste before recycling



Solder recovery device



Solder recovered for reuse