

3 Environmental Activities

Hitachi Kokusai Electric Global Environmental Charter

Basic Philosophy

Hitachi Kokusai Electric will enhance "Respect for humans" and the "Pioneer spirit" to deeply recognize that we are members of society, devote ourselves to fair and transparent corporate activities, and strive to preserve the global environment and improve the local living environment.

Guidelines for Action

1. Fulfillment of Our Social Obligation

Harmony with the environment is one of our highest priorities. We are committed to solving global environmental problems because we realize they are important problems common to all of humanity.

2. Reduction of Environmental Load

The environmental load caused by research, development, production, distribution, use, and disposal will be reduced to help build a resource recycling society.

3. Complying with Laws and Regulations

International, national, and local environment regulations will be obeyed, and a voluntary control standard will be set up to help prevent environmental pollution and improve the environment management level.

4. Linkage with Local Communities

Efforts will be made to preserve the global environment, improve the local environment, and give employees a comprehensive environmental education to enhance awareness of the environment.

5. Preparation of Intracompany System

An executive in charge will be appointed to prepare an environment management organization system and help promote continuous activities for the environment, both internationally and nationally.

Drawn up in March 2001

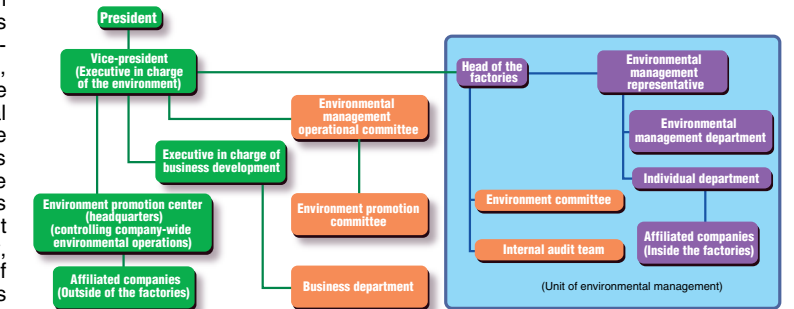
1 Plan for Fiscal 2002

○Target reached △Efforts in improvement required

Main item	Mid-term to long-term plan	Fiscal 2002 target	Result	Own evaluation
Ecological products	Environment-friendly products	Percentage of environment-friendly products: 60% in fiscal 2003	Implementation of design assessment evaluation table Creation at each factory: 35% finished	○
	Lead-free solder	Complete abolishment of lead solder in fiscal 2003	Evaluation and selection of lead-free solder and application to development products Selection of Sn-Ag-Cu solder Application to 10 types of products	○
	Green procurement	Investigation of customers Investigation of chemicals	Investigation of environmental safety of main customers Percentage of responses: 80%	△
Ecological factory	Global warming prevention (energy conservation)	Reduction of carbon dioxide emissions From 1990 levels 20% reduction by fiscal 2005 25% reduction by fiscal 2010	Reduction carbon dioxide emissions 6% reduction from the 2001 levels 3% increase from the 2001 levels due to a reduction in production	△
	Chemical substance management	From 2001 levels Chemicals to be reduced 30% reduction by fiscal 2005 Prohibited chemicals Complete abolishment by fiscal 2005	Preparation of chemical usage list (amount of chemicals used at each factory) Investigation of all chemicals used	○
	Waste reduction	85% reduction from 1998 levels by fiscal 2005. Zero emission by fiscal 2010.	78% reduction from 1998 levels 79% reduction from 1998 levels	○
Environment management	Environment Auditing	Implementation of environmental auditing (including factories and affiliated companies) Auditing by Hitachi Ltd. Environment Division investigation done by Hitachi Kokusai Electric Inc. Environment Management Department ISO14001 periodic inspection	3 factories monitored 2 factories investigated	○

2 Environment Management System

The environment management system used to promote the environmental protection activities of Hitachi Kokusai Electric includes the company-wide environment management organization responsible to the executive in charge of the environment and the factory management organization established at each factory. The role of the company-wide environment management organization, in which the environment promotion center acts as an executive office, is to control and promote the environmental operations of the entire company. The environmental management operational committee discusses and decides the plan for the mid-term to long-term environment activities, yearly objectives, and important problems and implements the decisions at each factory. In the environmental management operational committee, the executive in charge of the environment acts as the committee leader under the direction of the president and the head of each factory attends the meeting. In addition, the environment promotion committee, which is held twice yearly, reports the results of the environment activities of each factory, exchanges information, implements uniform development, and resolves problems.



3 Details of Environmental Activities in Fiscal 2002

	Result of fiscal 2002 environmental activities	Participants
April	Holding of the environmental management operational committee ●Notification of the fiscal 2002 environment activities plan	President, executive in charge of the environment, factory heads, and environment promotion center
May	Holding of the first lead-free subcommittee meeting ●Technology exchange meeting between each factory	Lead-free promotion leaders of each factory and affiliated companies, and environment promotion center
June	Environmental auditing by Hitachi Ltd./Environment Division ●Toyama, Koganei, and Omiya factories	Factory heads, environment promotion representatives, department heads, and persons in charge of the environment
August	Holding of the environment promotion committee (first term) ●Report on the results of environment activities for fiscal 2001 for each factory and plan of environment activities for fiscal 2002 In-house environmental auditing ●Environmental auditing of the Omiya factory	President, executive in charge of the environment, factory heads, and environment promotion center Factory heads, department heads, persons in charge of the environment, and environment promotion center
September	Holding of the second lead-free subcommittee meeting	Lead-free promotion leaders of each factory and affiliated companies, and environment promotion center
November	Fourth environment-friendly planning examples announcement meeting ●Five examples in each factory	President, executive in charge of the environment, department heads, factory heads, planning, and environment departments
January	In-house environmental auditing ●Environmental auditing of the Toyama factory	President, executive in charge of the environment, factory heads, and environment promotion center
February	Holding of the environment promotion committee (last term) ●Report on the results of environment activities for fiscal 2002 for each factory and plan of environment activities for fiscal 2003	President, executive in charge of the environment, factory heads, and environment promotion center
March	Meeting of the persons in charge of the environment	Persons in charge of the environment of each factory and environment promotion center



Lead-free subcommittee meeting



Hitachi Environmental auditing



Environment presentation

4 Awarded the ISO14001 Certificate

In fiscal 1999, as the platform for promoting environment management, the environment management system was awarded the ISO14001 certificate for all manufacturing sites. In addition, this ISO14001 certification is expected to be extended to all manufacturing sites of the main domestic affiliated companies in fiscal 2003.

	Certified site	Certification organization	Date	Scope of business
In-house	Toyama factory	DET NORSKE VERITAS	1996. 10	●Semiconductor manufacturing systems ●Broadcast, video, and monitoring systems ●Information and wireless communication systems ●Cable TV systems and antennas ●Wireless communication systems
	Koganei works	Japan Environment Certification Organization (Inc.)	1997. 6	
	Hamura works	Japan Environment Certification Organization (Inc.)	1998. 2	
	Omiya works	Japan Quality Assurance Certification Organization (Group)	1998. 12	
	Chitose works	Japan Environment Certification Organization (Inc.)	1999. 4	
Main domestic affiliated companies	KOKUSAI DENKI ENGINEERING Co., Ltd.	Japan Quality Assurance Certification Organization (Group)	2000. 7	●Wireless communications equipment, furnaces, electrical equipment, mobile radio equipment, microcomputer application devices, and computer peripherals ●Semiconductor manufacturing equipment maintenance and installation ●Hitachi Kokusai Electric products maintenance and service (excluding semiconductor manufacturing equipment) ●Development, manufacture, and sales of information systems equipment, semiconductor manufacturing equipment, and ultrasonic application devices
	Kokusai Electric Semiconductor Service Inc.	Japan Efficiency Association (Corp.)	2001. 3	
	Hitachi Kokusai Electric Services Inc.	Japan Efficiency Association (Corp.)	2002. 10	
	KOKUSAI ELECTRIC ALPHA Co., Ltd.	DET NORSKE VERITAS	2003. 5 (Scheduled)	