

Policy, System, Objectives and Targets

In 1995, Murata established its Environmental Charter, which spells out the basic environmental policy and action plan for the whole group. Murata is making a daily effort to put this commitment into practice.

Murata Environmental Charter

Corporate Environmental Policy

【Concept】

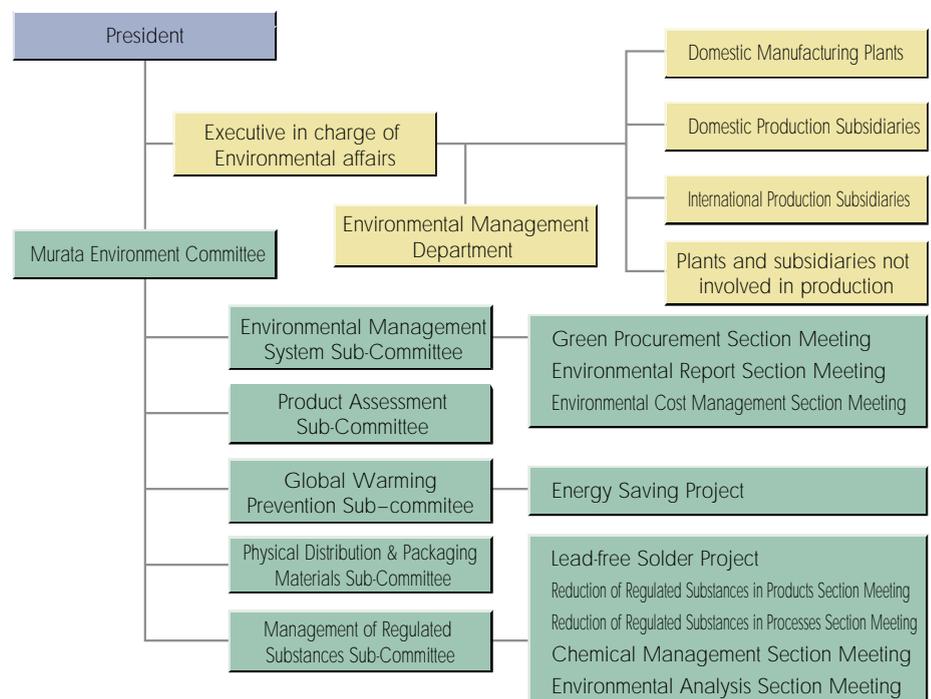
In the desire to contribute to a truly rich human society, we develop materials and products, devise and maintain production activities, and supply products worldwide. However, we cannot deny that our production activities as well as our products themselves are unintentionally affecting the global environment. We fully acknowledge this impact on the global environment and are taking action to reduce our environmental impacts as one of the important initiatives being put into practice as part of our Murata Philosophy and establishment vision. We will unite the efforts of our management organization, repeatedly work toward reducing our environmental impacts, and through management efficiency determine the points at which business and environmental interests converge.

【Action Guidelines】

1. Not restricting ourselves merely to the observance of environmental laws and regulations, we will establish a voluntary management standard and will strive to improve our management standards for environmental protection.
2. We will strive to reduce the environmental impacts of our products.
 - 2-1 In our R&D and design activities, we will consider approaches that will minimize the environmental impact of our products.
 - 2-2 In cases where a product contains an environmentally hazardous substances, we will seek ways to reduce the amount used or incorporate a more benign substitute.
 - 2-3 In the effort to minimize the amount of packaging materials used with our products, we will adopt a "reduce, reuse and recycle" policy.
 - 2-4 We will develop procurement activities through which we will select materials that have minimal direct or indirect environmental impacts.
3. We will strive to reduce the environmental impacts of our business operations.
 - 3-1 To help prevent global warming, we will implement energy conservation and reduce greenhouse gas emissions.
 - 3-2 Where production processes make use of environmentally hazardous substances, we will seek ways to reduce the amount used or incorporate a more benign substitute.
 - 3-3 We will aggressively seek to reduce, reuse and recycle wastes and will seek to minimize the amount of waste produced and conserve resources.
4. Through aggressive social initiatives, we will adopt environmental preservation activities in close contact with the local community and promote afforestation of corporate land according to a systematic long-term plan while working to improve the local environment.
5. While making all employees aware of the environmental policy, we will strive to raise employee awareness of higher environmental ethics. Moreover, we will develop timely and appropriate educational as well as public relations activities.
6. We will strive to become a corporation focused on environmental management and active public disclosure of our achievements in this area.
7. In order to implement each of the above action guidelines, we will establish and adopt our environmental action plan while continuously striving to improve our environmental performance.

Promotion System

Murata, as the party responsible for harmonizing the environmental conservation activities of the entire group, we will appoint an individual responsible for environmental affairs. As well, with the Environmental Management Department as the functional staff, we are promoting comprehensive environmental preservation activities. Moreover, we will include the entire group and will examine and deliberate various themes. We have also established a Murata Environment Committee as a consultative body to the president. For the lower branch of the Environment Committee, we have established sub-committees and section meetings according to theme, and are conducting specialized research and planning activities.



Corporate Objectives and Targets

Theme	No.	Item	Objectives and Targets
Environmental Management	1	Continual Improvement	While maintaining an environmental management system compliant with the ISO 14001 international standard for our production facilities, we will strengthen our cooperation with the entire company's environmental management system. At the same time, we will measure the ongoing reduction in our environmental impacts. As well, we will undertake environmental remediation of soil and groundwater contamination that occurred in the past.
	2	Environmental Cost Management	While developing a grasp of the costs of global environmental preservation activities and management plans in more detailed classifications by objective, we will introduce this plan across the entire company by the end of fiscal 2003. We will use that information to plan for improved environmental efficiency.
Providing Environmentally Conscious Products	3	Environmental Conscious Designs	We will promote environmental conscious design targeting product designs that are considerate of the environment. By the end of the fiscal 2003, we will have implemented environmental conscious design company-wide. Moreover, we will undertake product assessments and ensure their development throughout the company.
	4	Management and reduction of environmentally hazardous substances that are contained in products	Regarding environmentally hazardous substances, we will actively promote the adoption of alternative substances as well as the conversion to alternative technologies within the scope of feasibility. Specifically, we will supply products containing substitutes for the lead contained in the metal plating applied to electrodes and lead wires as well as for the solder used for internal parts to the greatest extent possible.
	5	Improvement of packaging materials	We will promote bulk case packaging for chip components.
	6	Green procurement	We will actively incorporate materials with low environmental impacts by promoting a green procurement policy. By the end of fiscal 2001 we implemented green procurement in all our domestic offices, and by the end of fiscal 2003 we will have extended this policy to all our offices outside Japan.
Environmentally Sound Business Activities	7	Preventing global warming	We will promote the effort to prevent global warming. By the end of fiscal 2003 we will have reduced carbon dioxide emissions per unit of net sales by 10% compared with the fiscal 1990 levels. We pledge to further reduce carbon dioxide emissions per unit of net sales by 30% compared with the fiscal 1990 levels by the end of fiscal 2010.
	8	Implementing a policy of resource conservation and reducing, reusing and recycling wastes	We will adopt the challenge of zero emissions by promoting the "3R policy" of Reduce-Reuse-Recycle. By the end of the fiscal 2003, we will achieve zero disposal of landfilled waste, and we will reduce total emissions per unit of net sales by 10% compared with the fiscal 2000 levels.
	9	Management and reduction of environmentally hazardous substances used in processing	As for the environmentally hazardous substances, we will actively promote the adoption of substitute substances having a reduced environmental impacts as well as conversion to alternative technologies. Additionally, we will reduce the atmospheric output of volatile organic solvents.
Environmental Communication	10	Afforestation	As part of the systematic promotion of afforestation at each of our offices, we will implement afforestation objectives at each office and will establish a medium-term afforestation plan.
	11	Coexistence with local communities	Each office will develop environmental activities rooted in the community and will plan for harmonious coexistence with the local environment.
	12	Information disclosure	The Murata Group will publish an Environmental Report every fiscal year detailing its environmental preservation activities.

