

[Promoting Environmental Management]

Strengthening the business through environmental management activities

Murata has integrated ISO14001 standard(EMS) domestically as well as globally to conduct environmental activities efficiently and effectively. As a company-wide office, we keep in mind "efficiency" and "coordinating environmental activities and businesses." We have been improving "efficiency" through environmental focus and advancing bookkeeping and system operability, to reduce burden of implementing EMS. With "coordinating environmental activities and businesses," we are supporting activities so that businesses result in meeting environmental goals as opposed to setting EMS activities as department goals. We are promoting development of stronger connections between business improvement activities and EMS activities to strengthen our businesses.



Murata Manufacturing Co., Ltd.
Environment Dept.

Kayo Nakata

Environmental management

Murata has completed consolidation of environmental management framework based on the environmental management concept at every plant in Japan as well as every production site overseas in FY2009. We will share information with regard to environmental management, and aim at the promotion of highly efficient and effective environmental activities and strengthening of the governance.

Naturally leading sustainable living That is the feature we aim at

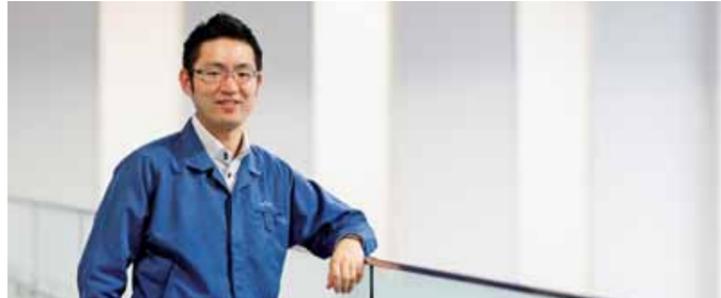
Electrical double layer capacitors we manufacture at our department are capable of being charged or discharged instantaneously, and they last semi-permanently under normal circumstances. Taking advantage of these characteristics and combined with a small electricity-generating element, we can make battery-free electric equipment. This technology can prolong battery life by absorbing output fluctuation. For equipment that is replaced when its built-in battery expires, longer battery life provides longer product life. As we work on developing these products, we dream about people living a naturally sustainable life just by using equipment with built-in electrical double layer capacitors.

Eco design

At Murata, we manufacture environmentally preferable products thoroughly focusing on environmental burden throughout their entire lifecycle including parts and materials procurement, design and development, production, use, recycle and disposal.

Murata Manufacturing Co., Ltd.
Chemical Device Group

Atsutaka Mori



Building good relationships with suppliers for better green procurements

We request our suppliers to submit a GLIS (Green Level Investigation Sheet) so that we can improve our green procurement practice. However, we have not been successful in gaining understanding from all suppliers for the importance of green procurement. To this end, we are working on communicating with all suppliers through in-house seminars, free public seminars and individual training sessions. As a result of overseas production transfers in our Group, chemical procurement is rapidly increasing. We intend to build good relationship with suppliers and fix a firm environmental management system.

Green procurement/green purchase

We need to practice "green procurement" to procure more environmentally preferable parts and materials to reduce environmental burden of our products. To this end, we have been asking our suppliers for their understanding and cooperation to practice their own environmental management.

Murata Electronics(Thailand) Ltd.
Purchasing Control Sec.

Left/ Nantanarissara Moonrungsee

Right/ Poonyarak Setungkabutr

Horizontal deployment of material container reuse in collaboration with overseas sites

Okayama Murata Manufacturing provides ceramic materials to production sites in and out of Japan. Although we have been promoting reuse of material containers, used containers were disposed at overseas sites especially in China. We have developed containers that can be compactly stacked for transportation, so that they can be reused after use by returning them to us. Collaborating with overseas sites within the Murata Group improved transportation efficiency and placed us one step closer to resource saving and reducing distribution-related CO2 emissions.

Promoting eco-conscious distribution and packaging

We strive to reduce environmental burden at the distribution stage of products in addition to manufacturing stages. We reduce CO2 emissions by promoting efficient transportation in addition to reducing waste through using less packaging materials.

Okayama Murata Manufacturing Co., Ltd.
Production Dept. 1

Shusaku Omae



Promoting understanding for Murata's environmental conservation through the maintenance of community-oriented landscaping

Yokaichi Plant opened its rhododendron orchard to the public in 1991. This orchard hosts an arboretum with a blend of Japanese red pines planted there since before the plant's foundation and rhododendrons, the prefectural flower of Shiga. This facility was made available to the public for viewing more than 20 years ago to nurture exchanges with the local community and to develop understanding of our environmental conservation activities. We also promote communal activities such as potato digging events within the plant lot in collaboration with a local NPO, and providing environment/science lessons at regional elementary schools.

Environmental risk communication

Murata strives to minimize environmental risks of business activities affecting the local community and to be ready for handling any problems promptly when they happen. To this end, we do our best to disclose information pertaining to such efforts including inviting local residents to company tours so that they can understand Murata's environmental conservation activities.

Murata Manufacturing Co., Ltd.
Yokaichi Plant
Administration Dept.

Left/ Masae Fujikawa
Right/ Kotomi Kitagawa

Forest preservation activities keeping in scope 100 years in future

Tome Murata Manufacturing has been working on preserving biodiversity in the area by considering the impact of business activities over the ecosystem. Tome City, where Tome Murata Manufacturing is located, is blessed with wealth of Nature. Internationally renowned Ramsar marshes designated by the Ramsar Convention, Izu-numa and Uchi-numa are in this city, and many birds migrate to its Hasama River flowing through the city center in the winter. In addition to protecting marshes, lakes and rivers for migrating water birds, we are also working on forest conservation/cultivating activities with 100 years in the future in scope. We plan on instilling awareness of biodiversity in our employees through lectures and company journals and continue to work on actual conservation activities including tree planting.



Tome Murata Manufacturing Co., Ltd.
Production Sec. 2

Tome Murata Manufacturing Co., Ltd.
Quality Control Sec.

Keiichi Kikawada

Tsutomu Yamauchi

Conserving biodiversity

Murata has been working on conserving and restoring the ecosystem based on our philosophy about the association between business activities and biodiversity. On January 2011, we added an action plan for biodiversity conservation in our environmental policy to further accelerate our activities, and to promote awareness of the importance of biodiversity conservation in our employees.