

[Promoting Environmental Management]

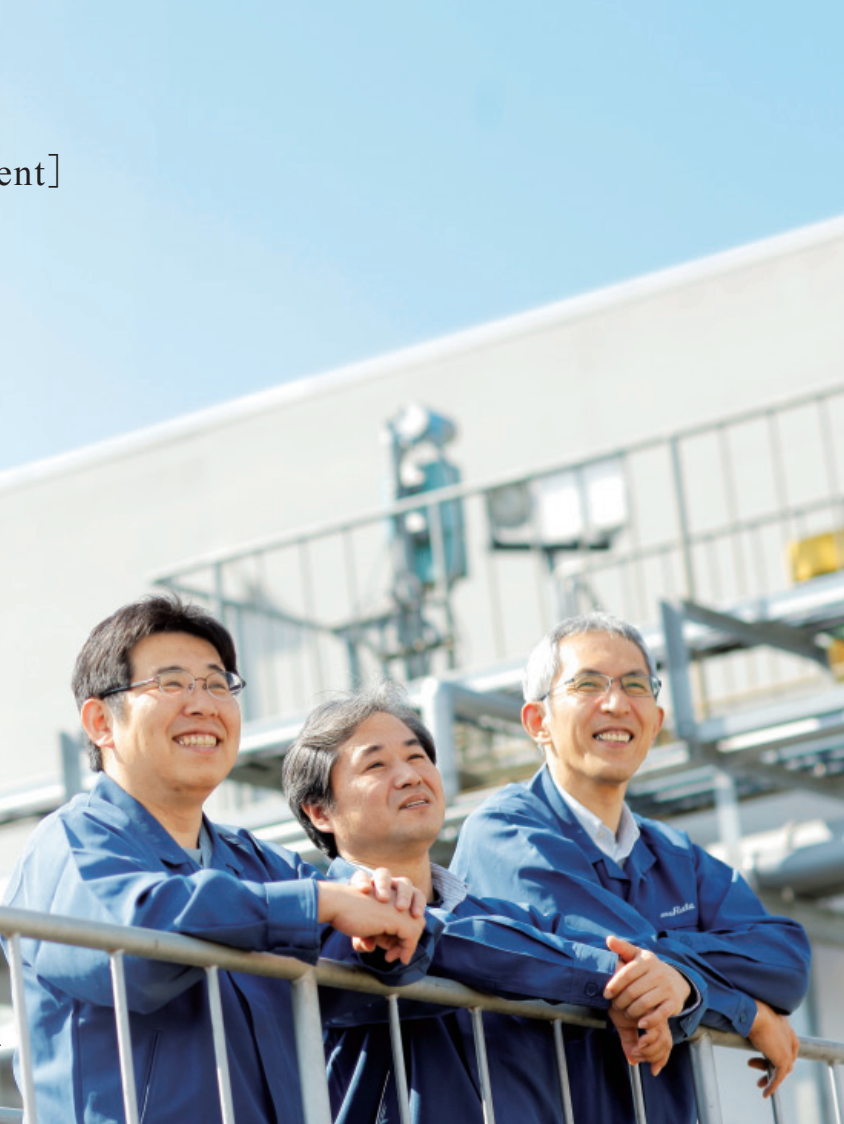
Focusing each company’s attention on the environment and sharing concrete information and activity content

Since our three companies, Toyama Murata Manufacturing, HAKUI Murata Manufacturing, and Himi Murata Manufacturing, are situated in close geographic proximity and are manufacturing the same piezoelectric goods, we began to fully unify our participation in ISO14001 (EMS) from fiscal 2012. Through this integration, we have naturally increased efficiency, reduced the load, and lowered costs in regard to EMS, but our three companies have also shared concrete information on saving energy, on reducing waste, and on social action and greening activities. This has had the effect of allowing us to take the activities of the other companies as a hint towards advancing such content in our own businesses. And we will continue to strive towards even more efficient and effective environmental activities in all three companies.

Environmental management

Murata completed consolidation of an environmental management framework based on our 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 governance.

Photo, from left to right
Toyama Murata Manufacturing Co., Ltd.
Administration Dept.
Go Mizuno
Himi Murata Manufacturing Co., Ltd.
Administration Sec.
Yoshiaki Yamashita
Hakui Murata Manufacturing Co., Ltd.
Administration Sec.
Yoshiyuki Ishimaru



MURATA BOY and MURATA GIRL: Playing an active part in activities that introduce our involvement in environmental preservation

At Fukui Murata Manufacturing, in order for people in this area to feel like our company is “friendly, safe, and reliable”, we hold company tours and introduce our environmental preservation activities. In an age in which children “losing interest in science” is regarded as a problem, and as a company involved in “*monozukuri*”, we also hold “environment and science study classes” and “electronic workshops” at elementary schools in order to convey the joys of science to the children who are our future. It is our hope that, through these activities, the local citizens will come to learn more about and also become fans of our company.

Environmental risk communication

Murata strives to minimize the environmental risks of business activities affecting the local community and to be ready to promptly handle any problems 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.

Photo, from left to right
Fukui Murata Manufacturing Co., Ltd.
General Sec., Administration Dept.
Chihiro Tanikawa
Nobuaki Matsuda
Environmental
Maint. Sec.,
Administration Dept.
Teruki Masunaga



Reviving natural woodlands and establishing biotopes to create a space in which the factory and the surrounding Nature interact

At Azumi Murata Manufacturing, we consider the effect on the ecosystem that accompanies our corporate activities and we are engaged in activities to return the groves adjacent to the plant to a “natural woodland” environment. We also plan to use the waterways that flow through those woods to create “biotope” spaces inhabitable by a diversity of living organisms, and hope to utilize them in the future as teaching material in the observation of Nature for neighboring elementary and junior high school students, as well as a place of relaxation for local residents and employees. Furthermore, we are developing various activities for the future that will lead to environmental preservation in order to give birth to a community rich in biodiversity.

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.

Photo, from left to right
Azumi Murata Manufacturing Co., Ltd.
Administration Sec.
Hiroshi Kobayashi
Mika Yabana
Seiji Furihata

Residue resin turned into recycled blocks for use in the beautification of on-premises sidewalks and in the local community

Murata Electronics (Thailand) , Ltd., tackles waste reduction based on the “3R” concept (Reduce, Reuse, Recycle) . For example, the resin and plastic resulting from our production activities is re-molded into blocks for sidewalks within the factory grounds. However, those recycled resin blocks not only play a useful role on the premises but also as a part of our social contribution for use by local citizens.

Waste reduction

The Murata Group attained zero emissions in Japan in fiscal 2003. We are now tackling zero emissions overseas and working to reduce the generation of waste itself.

Photo, from left to right
Murata Electronics (Thailand) Ltd.
Environmental Control Section
Kiathipong Somdet
Patcharin Kaiyasit
Mirth Srithongsuk



Towards products that are fully environment-friendly when they’re produced, when they’re used, and when they’re discarded

Our Product Department is in charge of developing micro DC-DC converter modules for the mirrorless cameras that have shown remarkable growth within the digital camera market. As eco-friendly products come to be more and more in demand these days, miniaturization, lower weight, and greater efficiency are called for in those micro DC-DC converter modules as well. The product we have just developed in collaboration with other related departments delivers a 25% reduction in size compared with conventional products and a 22% reduction in weight. In spite of that miniaturization, we were still able to make it more efficient as well. I would like to continue our aim towards further miniaturization and higher efficiency and to develop products that take the environment into consideration.

Eco design

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

Murata Manufacturing Co., Ltd.
Technology Integrated
Products Dept.
(presently Okayama Murata
Manufacturing Co., Ltd.)
Tomoyoshi Hiei



Reducing 1,170 tons of CO₂ in our distribution activities by shifting from air to ferry transport

Wuxi Murata Electronics Co., Ltd. is tackling a reduction in CO₂ emissions towards mitigating the environmental impact of our physical distribution. Much of the cargo sent from Japan to bases abroad is shipped by air, with only a small portion of the cargo sent to our company being by boat. So, we received the support of the Head Office’s distribution department, and, in cooperation with their shipping department as well, starting from March 2012 we introduced ocean ferry shipments as a part of deliveries from Japan. By gradually expanding the range of applicable cargo, we were able to reduce CO₂ emissions a total of 1,170 tons, from 2,926 to 1,756 tons, in fiscal 2012 year, compared with shipping solely by air. We hope to continue to aggressively focus on even further CO₂ reductions in the physical distribution system.

Promoting eco-conscious distribution and packaging

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

Photo, from left to right
Wuxi Murata Electronics Co., Ltd.
Corporate Administration Group
Zhong Weiyue
Wuxi Murata Electronics Co., Ltd.
Administration Dept.
Yang Aihua
Shen Ta

