

[Global warming prevention]

Reducing CO₂ emissions is for the Earth, for our community and for ourselves

“Reduction of total CO₂ emissions” is an important message to be made aware of, towards global warming prevention. Murata’s technological resources uphold realization of this important goal.



Awareness and activities at manufacturing lines is at the foundation of low-carbon society

Murata Manufacturing Co., Ltd.
 Senior Executive Vice President
 Atsushi Inoue

Mr. Inoue chairs Global Warming Prevention Special Committee. He loves outdoor activities such as mountain climbing and fishing. His wish is to share environmental awareness and knowledge among multi-stakeholders, rather than just in-house.

Contribution to the Earth’s environment is the key to sustainable development of our businesses.

Although electronic components Murata produces are very small, amount of energy and CO₂ emissions required to send them into the world is by far not negligible. Murata as a group tackles reduction of CO₂ emissions together. Although we must make short-term investments for renewal of eco-friendly facilities, in the long run our efforts will lead to betterment of our productivity and ultimately sustainable development of our businesses. Our direct customers are equipment manufacturers, but beyond them are the end-users all over the world. Knowing that our corporate activities are upheld by global users naturally makes environmental conservation our duty.

Achieving numerical targets for processes from design/development phase to manufacturing, with the help of all employees

Last year, we established Global Warming Prevention Special Committee in addition to existing Environmental Committee. We elevated from independent activities pursued by each plant to systematic company-wide activities, while reevaluating every process from the design/development phase onward. We have established 10% reduction of CO₂ emissions by FY2015 in terms of base unit figure from FY2007 based on our investigation. This figure allows business growth while reducing the total emissions. The most important factors in achieving this goal are actions by each one of us at the plant, motivation by workers, and guidance by the leadership.

Let us achieve a large-scale reduction of CO₂ emissions with understanding and confidence by the workplace.

Simultaneously realizing global warming prevention and business expansion through reduction of CO₂ and costs, while maintaining comfort and safety of the workplace



Becoming the flagship plant for all Murata Yasu Division’s ambition

Photo, from left to right
 Murata Manufacturing Co., Ltd.
 Yasu Division
 Chemical Material Production Dept.
 Takeshi Omura
 Murata Manufacturing Co., Ltd.
 Environmental Affairs Dept.
 Masayuki Nagata
 Murata Manufacturing Co., Ltd.
 Yasu Division
 Administration Dept.
 Kazunari Nakanishi

Motivation of every member becomes the driving force for our project. Visualization “mieruka” of results enhances motivation of the workers.

Yasu Division is the main plant for manufacturing raw materials. Consequently its CO₂ emissions are ranked among the top organizations in the Murata Group. We have initiated this project with a strong will to motivate Murata Group as a whole by succeeding in reducing CO₂ emissions during the raw material production processes at the foundation of Murata’s manufacturing. This project aims at promotion of the global warming prevention activities. Production Dept., Environment Sec. of Yasu Division and Environment Dept. at the Head Office formed a team together to evaluate energy usage which is at the root of CO₂ emissions. Our findings showed that changing work environment at the production line was the key issue. In the past, it was determined that the essence of manufacturing was “quality as a top priority,” make it difficult to alter work environment conditions pertaining directly to the quality. Therefore, we had to execute the policy very carefully to maintain the quality and work comfort, and additionally take safety in consideration, since processes

involved handling of hazardous materials. No concept can achieve success if we could not gain understanding and confidence by the workplace. We held policy presentation meetings with associated individuals, exchanged information about the changes taking place by this policy, and visualized monthly reduction in energy consumption. We focused mainly on gaining understanding and confidence, although it may be hard for workers to develop a feel about how his/her tasks are associated with the large picture of global warming prevention. However, the project started developing unity when they understood that all these efforts can result in cost reduction as well. Upon executing this policy step by step starting in September of last year, we have managed to reduce CO₂ emissions by 1,500 tons, and several tens of millions of yen in cost from the previous term. Since this policy is executed throughout the year this year, we can expect these reductions to increase. We hope to promote our project through the entire Murata Group.