Expending efforts towards saving energy and affirmative reexamination of production methods result in a dramatic reduction in CO₂

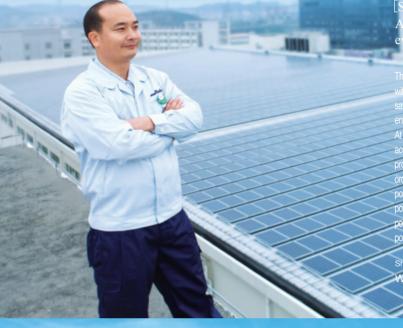
Fulfilling our responsibility as a so-called "Mother Factory" to our Group and to society as a whole

Fukui Murata Manufacturing is the largest production site in the Murata Group but, with on-site development capabilities, we also represent the closest development base to any of the Group's production sites. Involved in the development of new products and the new production techniques and manufacturing and production technology that are required for mass-production, we play the role of a so-called "Mother Factory" in preparing the way for mass-production and then transferring that know-how to other Group businesses. We also recognize that Fukui Murata Manufacturing is in a unique position to take the lead in providing solutions to the issues of energy saving and CO2 reduction. Here, with the development team situated in the same locale as the mass-production line, mutual cooperation and exchange enables the design of products and the development of production methods and equipment that are more environmentally-considerate. With our core item, monolithic ceramic capacitors, we have attained an approximate 45% reduction in CO₂ emissions over fiscal 2007 when calculated based on production level. However, as production volume has doubled, we have actually experienced a 10% increase in CO₂ emissions overall. From upstream to downstream, little by little, each and every department is exerting its accumulated efforts towards saving energy. However, based on the prediction that the demand for micro, high-capacity monolithic ceramic capacitors will grow even further from here on, I sense the necessity for a more fundamental energy-saving policy. For example, under the present circumstances, the issue of temperature distribution means that only the central portion of the furnace can be used for calcination, the largest source of energy use in the overall process. Furthermore, in order to achieve dimensional accuracy within the extreme miniaturization that is taking place in the base ceramic substrate, only a portion of the whole is usable, and the remainder must be discarded. By investigating these problems thoroughly, on paper, it should be possible to lower the energy cost per piece to 1/10th its current level. Although the spread of small high-capacity monolithic ceramic capacitors itself is contributing to energy savings in electronic devices, we can attain further energy savings during the manufacturing process.... And I think that it is the very mission of Fukui Murata Manufacturing.

Fukui Murata Manufacturing Takaichi Kitahata



Operating large-scale solar power generation systems in order to make social contributions through renewable energy



[Yasu Plant]

as problems with the found equipment itself, it was finally completed and began generating p the spread and promotion of renewable energy, and assisting towards the eli es in this area, we will also continue to cooperate oodies in order to be of use in local environmental research and learning

