

Environmental Activities of Domestic Sites and Overseas Sites

We are making various kinds of efforts to establish a sustainable society, including energy-saving measures at our distinctive sites in Japan and overseas.

Domestic Sites



■ Head Office 1-6-2, Hon-machi, Shibuya-ku, Tokyo 151-8543

For the first time in the Casio Group, BEMS* and an ice thermal storage tank were introduced at the head office building. As a result, compared to a building of like scale and specification, energy consumption within the building is lowered by 1,000,000 kWh per year, the equivalent of 400 tons of CO₂ emissions. Also, to contribute to the local community, we actively accept mainly elementary and junior high school children from outside Tokyo for the company tour and offer the head office building for disaster drills.

*BEMS stands for the Building and Energy Management System for controlling building



■ Under control of BEMS



■ Hachioji Research & Development Center 2951-5, Ishikawa-cho, Hachioji-shi, Tokyo 192-8556

Hachioji Research and Development Center is engaged mainly in the development of electronic components. The new building completed at the end of 2003 is equipped with BEMS, chilled/hot water storage for air-conditioning using nighttime electricity, automatic blinds that respond to sunlight and highly insulated double windows. The system, on the whole, can reduce energy consumption by approximately 35%, compared to the same area in the old building.



■ Automatic blinds that respond to sunlight

■ Highly insulated double windows



■ Yamagata Casio Co., Ltd. 5400-1, Oaza Higashineko, Higashine-shi, Yamagata Prefecture 999-3701

Yamagata Casio is engaged in the production and molding of timepieces and cellular phones, and consumes the largest amount of energy in the Electronics Equipment Division of the Casio Group. In fiscal 2003, however, Yamagata Casio saved energy by 65% per unit manufactured, compared to fiscal 1990, thanks to the introduction of a co-generation system. Yamagata Casio achieved zero emissions in fiscal 2003 by reviewing the waste disposal method, focusing on recycling and reuse, and by changing the waste processor.

[Web](http://www.yamagata-casio.co.jp/) <http://www.yamagata-casio.co.jp/> (Japanese)



■ Co-generation system

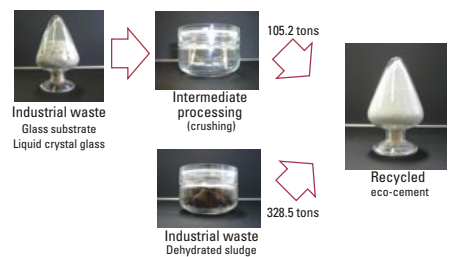


■ Kochi Casio Co., Ltd. 2420, Kureda, Nankoku-shi, Kochi Prefecture 783-0062

Kochi Casio manufactures TFT LCDs on a 24-hour basis, emitting 38% of the total CO₂ generated by the Casio Group. Kochi Casio's continuous efforts for reducing electricity consumption resulted in its winning the 2001 Award for Factory Energy Management Excellence (Electricity Division), Agency for Natural Resources and Energy Director-General's Commendation. Also, Kochi Casio is implementing environmental conservation measures such as the utilization of waste as eco-cement material under the concept of protect nature, pass clean water and air onto future generations.

[Web](http://www.k-casio.co.jp/) <http://www.k-casio.co.jp/> (Japanese)

■ Outline of Kochi Casio's waste utilization as eco-cement material



Overseas Sites



■ Casio (Thailand) Co., Ltd. 60/70 Moo 19, Klong Luang Nava Nakorn Industrial Estate Pathum thani 12120, Thailand

Casio Thailand launched timepiece production in 1998 and has shipped 16 million units of new-type watches such as radio-controlled solar-powered watches to date. About 40% of the solder used has been replaced by the lead-free type, and the company expects full introduction of lead-free solder for all models by fiscal 2004.

In promoting waste reduction at the factory, Casio Thailand is strengthening waste separation for recycling. Also, Casio Thailand is focusing on occupational safety and health for employees by regularly conducting education in this area. These measures are achieving an effect.



■ Education on occupational safety and health

[Web](http://www.world.casio.com/env/) For site-specific performance data, please refer to our Website at: [world.casio.com/env/](http://www.world.casio.com/env/)

Glossary

Eco-cement: Cement made by recycling sewage sludge or incinerated ash waste. Eco cement is drawing a lot of attention recently, being regarded as effective to reduce waste at dump yards, which continues to increase.