

Waste-Fired Power Generation System

- **Highly efficient thermal recycling technology**

Main Features

- Hitachi Zosen has engaged in the construction of 81 waste-fired power generation facilities (attached to waste incineration plants).
- Total power generated reached 700 MW.
- Some of those plants achieved 8,000 hours of continuous operation

Summary

The system employs a sustainable recycling technology that enables a boiler to efficiently absorb the heat generated during waste incineration and a steam turbine and power generator to convert that heat into electric power. For example, processing 1,000 tons of waste at 2,000 kcal/kg a day will generate 21 MW of power.

Maishima Plant (Osaka)

Maximum power generation capacity: 32,000 kW
Some of the generated power is used by the plant while the rest is supplied to electric companies. Plant visits are welcome.



Chuo Incineration Plant (Chuo-ku, Tokyo)

Power generation capacity: 15,000 kW
Recycled concrete and crushed stone were used in the construction of the plant.



Beitou Plant (Taiwan)

Power generation capacity: 45,000 kW
Three plants in Taiwan, including the Beitou Plant, achieved 8,000 hours of continuous operation.



Inquiries

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