

Waste-Fired Power Generation System

- **Highly efficient thermal recycling technology**

Main Features

- **Hitachi Zosen has engaged in the construction of 50 waste-fired power generation facilities (attached to waste incineration plants).**
- **Total power generated reached 300 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

Hitachi Zosen Corporation

Export Sales Group, Environmental Systems Sales Department,
Sales Headquarters

<http://www.hitachizosen.co.jp>

E-mail kobayashi_to@hitachizosen.co.jp
15th Floor, Omori Bellport D-Wing, 6-26-3 Minami-Ohi,
Shinagawa-ku, Tokyo 140-0013, Japan
TEL +81-3-6404-0834 FAX +81-3-6404-0839