Building High-Quality Electric Power Infrastructure for the Future

CSIS Quality Infrastructure Conference
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Mitsubishi Hitachi Power Systems, Ltd., Formed Feb.1 2014

Thermal Power Business

- >68K Employees
- $30.3B Revenue
- Energy 37%
- Infrastructure 34%
- Defense 14%
- Transportation 15%

- >300K Employees
- $119B Revenue
- Energy 9%
- Telecom 16%
- Infrastructure 11%
- Materials 13%
- Electronic Devices 10%
- Transportation 8%
- Other 33%

- >20K Employees
- $13.1B Revenue

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Industry Leading Power Generation, Environmental and Technology Solutions

Gas Turbine Combined Cycle (GTCC) Power Plants

Boiler & Steam Turbine Generation Plants

Environmental Equipment (SCR/ ESP/ FF/ FGD/ ZLD)

Integrated Gasification Combined Cycle (IGCC) Power Plants

Geothermal Power Plants

Support for Intermittent Renewable Generation

Gas Turbines

Boilers

Steam Turbines / Generators

Plant Control Systems

CCS (MHI &MHPS)

Fuel Cells
Developing Local Talent for Advanced Power Infrastructure

- Local employees play crucial roles in MHPS group companies worldwide.
- Training for customers/partners on high-quality fabrication techniques at MHPS manufacturing facilities, locally as well as in Japan and in the U.S.
- On site training by MHPS technical advisors during construction & commissioning.

**Engineering and Manufacturing**

**Construction Site**

- Erection
- Commissioning
- Manufacturing
- Engineering
MHPS Technology for Reducing Life Cycle Cost of Electricity

LCOE (US$/MWh) = \frac{\sum (CC + OC + FC + CO_2 \text{ emission cost} + DC) \times (1 + r)^t}{\sum \text{Net Electricity} \times (1 + r)^t}