



Japan's Innovations for a
Sustainable World
Vancouver Convention Centre East
Booth 817



Hitachi Zosen

www.hitachizosen.co.jp/english/index.html



Company Description

Hitachi Zosen Corporation provides innovative green energy solutions with turnkey EPC services and value added products. Their energy-saving and environmental protection solutions are available for a diverse global market.

Product Service Offerings: Energy Efficiency, Engineering Services, Environmental Audits, Fuel Cells, and Solid Waste Management

Technology Showcased at Globe 2012

Five Hitz Green Energy solutions

Municipal Solid Waste (MSW)-to-energy Process Engineering

- Non-pretreated MSW is converted into electric power and/or heat through thermal processing
- Process results in less GHG emission

Hitz Dehydration System (HDS)

- A unique dehydration system employing an inorganic zeolite membrane
- Proven dehydration performance, durability, and exceptional energy efficiency
- Can be applied to a wide range of chemical processes such as dehydration and/or high purification of organic solvents

Concentrated Solar Power (CSP) System

- Fresnel type of CSP system that harnesses solar energy through the use of a reflector with a variable curvature

Selective Catalytic Reduction (SCR) for NOx Removal Catalyst

- Highly dense and lightweight catalyst that is used to remove nitrous oxide from flue gas
- Suitable for a wide range of industrial facilities including gas turbines and coal-fired and heavy oil-fired boilers

HYDROSPRING and Methanation System

- HYDROSPRING is a high-performance on-site hydrogen generator
- Direct water electrolysis system is highly efficient, and easy to operate and maintain
- Methanation System: A highly active catalyst produces methane by carbon dioxide and/or carbon monoxide hydration

Experience in Japan, China, Taiwan, United Kingdom, Switzerland, Korea

Interest in Brazil, Canada, India, Indonesia, Malaysia, China, Thailand, United States, Vietnam

Business Development Objectives at Globe 2012

Joint Venture Partners, Marketing Alliances, Research Development, Collaboration, Strategic Alliances, Technology Acquisitions