Hitachi Zosen Corporation

Corporate Data

TECHNOLOGY for PEOPLE, the EARTH, and the FUTURE

Hitachi Zosen Corporation

Date of founding	April 1, 1881
Corporate philosophy	**We create value useful to society with technology and sincerity to contribute to a prosperous future.**
Chairman	Minoru Furukawa, Chairman & CEO
President	Takashi Tanisho, President & COO
Capital	45,442,365,005 yen (As of March 31, 2014)
Net sales (Consolidated)	333,433 million yen (Fisical year ended March 31, 2014)
Number of employees (Consolidated)	9,039 (As of March 31, 2013)
Head Offices	[Head Office] 7-89, Nankokita 1-chome, Suminoe-ku, Osaka 559-8559, Japan [Tokyo Head Office] 15th Floor, Omori Bellport 26-3, Minamioi 6-chome,Shinagawa-ku, Tokyo 140-0013, Japan
Major R&D Center	Technical Research Institute (Osaka, Japan)  Precision Machinery Center (Osaka, Japan)  Electronic Control and Instrument Equipment center (Kyoto, Japan) 
Works	Ariake Works, Mukaishima Works, Innoshima Works, Chikkou Works, Sakai Works, Maizuru Works, Ibaraki Works
Domestic Offices	Sapporo Office, Sendai Office, Nagoya Office, Hiroshima Office, Fukuoka Office, Kumamoto Office, Okinawa Office
Overseas Offices	Abu Dhabi Branch, Taipei Branch, Shanghai Office, Beijing Office, Bangkok Office, Ho Chi Minh City Office, Seoul Branch, Singapore Branch, HITACHI ZOSEN EUROPE LTD., Hitachi Zosen U.S.A. Ltd., Hitachi Zosen India Private Limited, Hitachi Zosen India Private Limited Hyderabad Branch, Hitachi Zosen Myanmar Co., Ltd., PT. HITZ INDONESIA
URL	http://www.hitachizosen.co.jp/english/index.html
Contact Information	Electronic Control Sales Department, Electronic Control Business Unit, Precision Machinery Headquarters -Tokyo TEL:+81-3-6404-0137 -Osaka TEL:+81-6-6569-0082

Hitachi Zosen Corporation

Business Domains

We are fully committed to using our superior technologies to create value for people all over the world, and to protecting the environment. In all the businesses we operate, our goal is to realize more comfortable lifestyles today and prosperity into the future.
To achieve these goals, Hitachi Zosen is drawing on its full potential to provide high value-added comprehensive solutions in the fields of environmental systems, industrial plants, machinery, process equipment, infrastructure, disaster prevention systems, and precision machinery,.

Environmental Systems and Industrial Plant Business

>>Environmental Systems
- Energy-from-Waste plants
- Material recycling systems Plants
- AOM business (after-sales service, operation control and chemical supply)
- Long-term operations and management (PFI and PPP)
- Remote monitoring (remon) support systems

>>Biomass utilization system
- Methane fermentation system

>>Plants
- Desalination plants
- Chemical plants
- Hitz Dehydration system HDS® by zeolite membrane
- Non-destructive inspections

>>Power generator systems

>>Independent power producer

>>Water treatment and industrial equipment systems
- Sludge recovery, recycling and final processing plant exudative water treatment system
- Water, sewage, and industrial effluent treatment systems
- Electrolyzing systems and rubber lining
- Filter press
- Slurry ice plants

Machinery Business
- Marine diesel engines
- Marine SCR systems
- NOx removal systems and NOx removal catalysts
- Press machines
- Deck machinery for ships

Process equipment Business
- Reactor vessels
- Heat exchangers
- Spent nuclear fuel transport casks and storage casks
- Canisters for nuclear spent fuels storage

Infrastructure Business

>> Infrastructure
- Bridges
- Infrastructure maintenance technology and earthquake technology
- Hydraulic gates
- Marine civil engineering (caissons, steel-plate cells)
- Steel stacks
- Shield tunneling machines

>> Disaster prevention systems
- GPS Comprehensive Oceanographic Monitoring System
- Movable Flap-Gate type Seawall system
- Movable Flap-Gate type Breakwater system
- Electric Discharge Impulse Crushing System

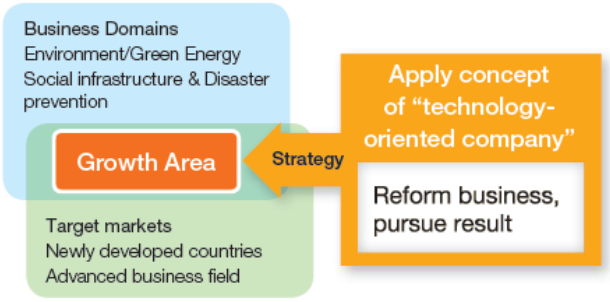
Precision Machinery Business
- OLED production systems
- Vacuum equipment and vacuum valves
- Laser patterning equipment
- Precision polishing technologies and polishing machines
- Castings for semiconductor and liquid crystal production equipment (lapping plates)
- Conveyance and handling systems
- Plastic extrusion molding equipment
- Filing and packaging line systems
- Foreign Substance separation equip-ment for food
- Image and image processing and stor-age systems
- Electronic boards and units
- High-precision GPS system
- GPS remote monitoring system

Hitachi Zosen Corporation

Business Plan

We will contribute to a sounder environment, more effective harnessing of resources and energy, broadening of uses of renewable energies, and realization of a more efficient and safer society for all.

1. Approach to Our Business Domain



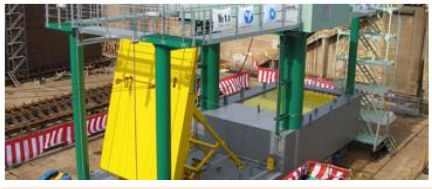
The Hitachi Zosen concept of **"technology-oriented company"** involves a return to the corporate philosophy to strengthen fundamental technologies as well as proprietary technologies.

2. Business Domain Environment/Green Energy

Energy-from-Waste systems
We have one of the strongest track records worldwide in the construction of Energy-from-Waste plants, which produce electricity with heat recovered from refuse incineration.

3. Business Domain Social Infrastructure and Disaster Prevention

GPS systems
We contribute to disaster prevention and mitigation by supplying GPS technology for wave and tsunami meters that measure wave, tide, and tsunami height, and for electronic datum point networks that monitor tectonic movement with an accuracy of millimeters.



Movable Flap-Gate Type Breakwater
We are engaged in the development of a Movable flap-gate type breakwater to prevent damage caused by tides and tsunami. As the structure takes advantage of the force of nature, it offers a low-cost solution for protection from flooding.

Electron beam sterilization system
Electron beam sterilization system delivers low-energy electron beam irradiation to eliminate microorganisms from PET bottles. This system does not require use of liquid chemicals, residual liquid in bottles is not an issue and there is no need for treatment of used chemicals. Also, there is less potential for degradation of bottles during washing and rinsing processes.

Accelerator control system
We have integrated electronic control systems for accelerators, synchrotron radiation interlock or experimental devices. Our products have been used SACLA (X-ray Free Electron Laser facility), SPring-8 (large synchrotron radiation facility), J-PARC (Japan Proton Accelerator Research Complex), etc.