

# Power Engineering and Training Service Co., Ltd. Engineering Center

**Location:** 4-3406 Aza-Sotoki, Ono-Cho, Saeki-Gun, HIROSHIMA-KEN, Japan  
**Representative:** Kunitake TANAKA

Business Classification	Capital	No. of Employees	Established
Service industry	¥400,000,000	Employees 64 ( Engineering center 55)	2002

**Description of Business:** We provide integrated services for the optimum operation of an power generation facility, it's maintenance and the technology for operation and management as well as training courses for engineers by using the technology of thermal power generation developed by Chugoku Power Company and the strategy of allied companies with special technology.

1. The training center facilitated with an operation system being tenured only by our company in Japan.
2. The leading company of IT such as automation and office automation in the world.
3. The distinctive technology of coal, environmental technology and a maintenance robot.

## Main Products and Business:

The training course for improving specialized technology of thermal power generation technology / Sale for teaching materials / Thermal power station / Designing, supervising and constructing for the LNG reception storage device / Developing the system of the optimum operation of the power station / Sale for the soft ware / Accepting the technical support and the research concerning the thermal power generation technology

## Main Facilities:

Thermal power station / Training building

## Facilities for environmental preservation:

Desulfurizer / Denitrification / Electric precipitator / Waste water disposable plant

## Qualified Permits & Resistrations and Others:

Specified construction (electrical work, piping work, mechanical equipment work) / High pressure gas manufacturing industry

## Licensed and Qualified Engineers, Specialists

3 doctor engineers / 1 technician / 10 energy control engineers (heat) / 8 energy control engineers (electricity) / 9 pollution control managers / 4 electrical facilities control technicians (1st class), 5 (2nd class), 10(3rd class) / 19 boiler engineers / Chief engineers for safe control of high pressure gas 28 (Otsu-machinery), 3(Otsu-chemistry) / 43 chief hazardous substance handling engineers ( Otsu-4class ) / 5 industrial waste disposable engineering managers / 1 special industrial waste control manager / 1 advanced system administrator / 2 primary system administrators / Information technicians 1( 1st class ), 4(2nd class )

## Environmental Preservation Activities

Saving Energy and Natural Resources Measure	Promoting the 3R (recycling, reuse and reduce) / Use of new energy
Earth Environmental Preservation Measure	Reduction of CO <sub>2</sub> / Control of CFCs / Research new environmental technology
Others	Workshops for educating employees and related companies

## International Contributions for Environmental Technology

	1998	1999	2000	2001	2002
JICA	11	10	10	7	10
Others	7 people to China	1 person to Taiwan			

During 1998~2001, the Chugoku Electric Power CO. Inc. the thermal Power Technology Center offered the training.

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## **Outline of Business (Flow System and Photos)**

### **1 A skill training course**

We offer a training course for operating and maintaining the plant generating electricity and the simulation. The course develops manpower for future generations

- A course for maintenance skills  
The maintenance technology concerning the control facility and boiler turbine and electricity
- Operating and running skills  
An intensive course for the operating and running technology of a power station using the generating facility and three types of full replica simulation,
- A course for the qualification examination  
Obtaining various qualifications such as pollution control engineer and energy control engineer
- International training  
International engineers are trained with the experience of conducting the JICA training course for an extended.

### **2 Engineering Businesses**

We provide engineers with skills for construction, operation and maintenance concerning thermal power generation facilities.

- Improved operation  
We offer a different solution from other plant makers with our own operation skills developed over the years.
- Skills for labor saving work : cleaning & examination of robot's small tubes  
The period of construction can be shortened greatly by doing both work of cleaning and examining small tubes at the same time.
- Skills for labor saving work : the cleaning robot for the water gate  
The cleaning can be done while the unit is in operation. The period of construction can be shortened and waste such as shells can be reduced greatly.

### **3 IT Solution Business**

We offer operation of plant facilities and their maintenance & management solutions through the latest information technology in the world.

- ASP · Technology Support Service  
With low prices available through the internet, we offer packaged software for operating and maintaining a plant such as information for facility management including skills
- System Development and Sales  
We sell the packaged software mentioned above. With a low price, we offer a system which meets the needs of our customers after customizing and developing the software.

### **4 Examination and Research Business**

We propose the most advanced future thermal power generation system with efficiency while researching and developing from the perspective of lowering the cost of generating electricity and improving operation.

- Combustion Testing of Coal and Assessment  
We try to contribute to lowering the cost of generating electricity by consuming the low cost of coal and by using various kinds of coal while developing a coal assessment program with high precision as well as combining the analytical assessment of coal, the combustion of the NO. 1 machine (75 MW), and assessment skills.
- The maintenance of a thermal power plant and its operating skills  
We try to contribute to lowering the cost of maintenance and operation while we develop technology for efficient skills for examining materials, thermal power generating systems, efficient maintenance skills, and environment skills.

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## **Further Information on Environmental Technology**

Power Engineering and Training Service, Co., LTD.

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