October 14, 2009
Electric Power Development Co., Ltd.
J-POWER EnTech, Inc.

Technical Alliance with Hamon Research-Cottrell, Inc. of the US in "ReACT" Dry Flue Gas Desulfurization Technology

- Promoting Business Development in North America -

On October 12, 2009, J-POWER EnTech, Inc. (Headquarters: Minato-ku, Tokyo; President: Chisato Nishiyama, "JPE"), a wholly owned subsidiary of J-POWER (Electric Power Development Co., Ltd.; President: Masayoshi Kitamura) signed an agreement with a major U.S. provider of air pollution control technology, Hamon Research-Cottrell, Inc. (Headquarters: Somerville, New Jersey, U.S.A.; "HRC") to enter into a technical alliance in the dry flue gas desulfurization technology known as ReACT (Regenerative Activated Coke Technology). Going forward, JPE will work with HRC to develop new business in North America based on ReACT.

An emission control technology that uses activated coke, ReACT (a registered trademark in Japan) is a proprietary technology of JPE. Capable of simultaneously removing multi-pollutant, including sulfur oxides (SOx), nitrogen oxides (NOx), particulate matter (PM), mercury and dioxins, etc., the ReACT technology is highly environmentally efficient, and has the added advantage of requiring almost no water. Already widely used in Japan in steel, petrochemical, and waste incinerator facilities, ReACT was first adopted by J-POWER in its Takehara No. 2 Thermal Power Station in 1995, and the Company has since introduced it into its coal-fired stations as a high-efficiency emission control system. At J-POWER's Isogo New No. 2 Thermal Power Station, which commenced operation in July of this year, ReACT supplied by JPE as part of the air quality control system of Power Station is contributing significantly to the lowest level of emissions as a coal-fired power station in the world.

ReACT
(J-POWER Isogo New No. 2 Thermal Power Station)

As the United States moves toward tightening regulation of mercury as well as SOx, NOx, and PM in flue gases, the need for a technology such as ReACT, which is also capable of simultaneously removing mercury, is expected to increase. Through the alliance between JPE and HRC, J-POWER Group intends to deploy the ReACT in North America, where until now there has had no technology of this kind in a range of industries including electric power generation.

In Japan, J-POWER has long been a leader in the introduction of environmental protection technologies in coal-fired power stations. With the ReACT technology as well, its engineering business is backed by years of development and operational experience and technical know-how. J-POWER is planning to contribute to reducing the burden on the environment across a wide range of areas, both at home and abroad.

* Hamon-Research Cottrill Inc. (HRC)
A subsidiary of the Hamon Group, headquartered in Belgium, HRC is a leading provider of air pollution control technology, ranking among the top five U.S. companies. Key products include particulate control devices (electrostatic precipitators and bag filter). The company, which boasts a history of over 100 years in environmental and energy-related technology, has extensive experience in supplying equipment for use in a wide range of areas including electric power, oil, chemicals and steel.