

## **Infraserv - one of the world's largest fluidized bed power plants operating on RDF to be equipped with ABB technology**

ABB scope: total electrical and automation system including transformers, MV and LV switchgear, control system 800xA with Profibus connections and emission control.

Madrid, June 26, 2007. A contract with a total value of about 30 million USD was signed between a consortium under the lead of ABB and Ebara Corporation, Japan. Ebara, a multinational corporation based in Japan with extensive experience with circulating fluidized beds, is the general contractor for the plant and ABB will supply the total electrical and automation scope. The plant will produce electricity and process steam from up to 675'000 metric tons of Refuse-Derived Fuel (RDF) per year in an internally circulating fluidized bed. RDF is essentially the high-calorific-value component of municipal and commercial waste, pre-sorted and shredded. It can be used in clean energy production by replacing fossil fuels such as hard coal and natural gas. The new plant sited in Industriepark Höchst, Germany, will be the largest of its kind in Germany and will add substantial recycling capacity for RDF in the Rhine-Main region. It will operate in cogeneration mode and produce approximately 70 MW of power and 250 metric tons of steam per hour.

The preferred solution offered by ABB is a state-of-the-art, totally integrated and compatible full scope solution, offering an excellent price-performance ratio. Due to the Profibus connections the



customer will receive a high degree of standardization for planning and documentation and an extremely flexible system in regards to operation and maintenance as well as for future extensions. MNSiS is the first integrated system for low-voltage MCC applications and includes comprehensive motor control, monitoring, protection, and communication capabilities to higher-level control systems. MNSiS also provides flexibility for engineers, system integrators and end users by way of configurable, standard control modules which allow ongoing modifications and enhancements.

The Infracore Höchst plant is planned to enter commercial operation in 2009 and has been designed to accept a wide range of RDF. The actual plant design is geared toward long-term operations.

ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enables utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 109,000 people.

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