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Hitachi Zosen Inova to build its first energy-from-waste plant in Poland

Pioneering public-private partnership to produce thermal energy from waste

Hitachi Zosen Inova (HZI) has been given in consortium the EPC contractor role in building an energy-from-waste (EfW) plant for the Polish city of Poznan. The new facility is the centerpiece of Poland's largest public-private partnership project to date, and HZI's first EfW project in the country.

The contract for the Poznan project, awarded on April 10, 2013, underscores HZI's success as an experienced and reliable technology partner for public-private partnerships (PPPs), and its leading position in the production of thermal energy from household and commercial waste (EfW). "Having successfully delivered various EfW plants within PPP projects in the UK in recent years, we're particularly delighted to have won the contract for the city of Poznan. This is a new market for us, and we look forward to contributing our rich experience and expertise," says Dr. Helen Gablinger, Head of Sales at HZI.

State-of-the-art technology

The consortium's client is SITA Zielona Energia, a joint venture between SITA Polska and Maguerite Fund that the city of Poznan has entrusted with the design, construction, financing and operation of the plant over a period of 25 years. Under the leadership of HZI, consortium partners Hochtief Polska S.A. and Hochtief Solutions AG are responsible for the civil works design and construction of the plant. HZI will design, deliver and install the entire process technology, drawing on its latest innovations in grate firing, the Inova grate, and DyNOR, a proprietary SNCR-based system that is guaranteed to reduce nitrogen dioxide levels to 100 mg/Nm³ – half the current EU limit – with minimal ammonia slip. Completing HZI's package of plant technology is a modern bottom ash treatment plant enabling, particularly, the metallic residues in the bottom ash to be recovered efficiently.

Electricity and heat for the region

The permitting process is likely to last until the second quarter of 2014, after which the consortium can start construction work. The energy-from-waste plant should go into operation in mid-2016. With a capacity of 210,000 tonnes of waste a year, an electrical production of up to 18 MW and a district heat output of up to 34 MW, the new plant will make a substantial contribution to the local supply of energy, fully meeting the EU's expectations in terms of the efficient production of energy from waste.

About Hitachi Zosen Inova

Zurich-based Hitachi Zosen Inova (HZI) is a global leader in energy from waste (EfW), operating as part of the Hitachi Zosen Corporation Group. Formed from the former Von Roll Inova, HZI acts as an engineering, procurement and construction (EPC) contractor delivering complete turnkey plants and system solutions for energy recovery from waste. HZI's solutions are based on efficient and environmentally sound technology, are thoroughly tested, can be flexibly adapted to user requirements, and cover the entire plant life cycle. The company's customers range from experienced waste management companies to up-and-coming partners in new markets worldwide. HZI's innovative and reliable waste and flue gas treatment solutions have been part of some 500 reference projects delivered since 1933. To find out more, please visit www.hz-inova.com

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