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Hitachi Zosen Inova's Technology Energizes City of Poznan

With the project completion in February 2017, Hitachi Zosen Inova (HZI) successfully handed over the energy-from-waste (EfW) project in Poznan to the client SUEZ Zielona Energia, a joint venture between SUEZ Polska and the Marguerite Fund. The construction of the second largest EfW plant in Poland marks the first project in the region for the Swiss clean-tech company which served as both general contractor and EPC contractor.

More than 19,000m³ of concrete and more than 3,000 tonnes of steel were used in the construction, which was started in April 2014 and carried out in collaboration with consortium partner Hochtief. At peak times, some 460 people were working on the site. “The cooperation with HZI was very constructive,” said Szymon Cegielski, function, at SUEZ Zielona Energia, adding: “We were repeatedly able to benefit from HZI’s long-standing experience in delivering complex projects.”

With an annual throughput of around 210,000 tonnes of separately collected municipal solid waste from residential and non-residential areas from the city and nine neighboring communities, the project ranks as the second-largest EfW plant in Poland. Its two lines will generate up to 15 MW of electricity and 34 MW of district heat per year – enough to provide power to several tens of thousands of households in the region.

Technology for Modern Waste Management

Thanks to HZI’s state-of-the-art technologies, the plant will make a key contribution to sustainable waste management in Poland. The company’s first-class in-house products in the areas of grate incineration as well as flue gas and residue treatment will ensure that the plant constantly remains more than 50% below the limits set by European air quality legislation. Added to this, ferrous and non-ferrous metals of different particle sizes will be extracted from the grate ash for further recycling using a specially constructed bottom ash treatment system.

The project is an important element in Poznan’s waste management concept, reducing landfill over the long term and so creating attractive living space in an urban environment. “We are proud to have made a significant contribution to ecological progress in Poland,” said HZI CEO Franz-Josef Mengede, emphasizing the relevance of the project. “By generating power and heat the plant will also deliver important economic synergies that will benefit the entire region.”

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 thermal and biological EfW recovery. Our 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 over 600 reference projects delivered since 1933. To find out more about HZI, please visit www.hz-inova.com

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