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China Once Again Chooses Kompogas® Technology

Hitachi Zosen Inova is awarded to deliver a second Kompogas® plant in the city of Nanjing.

Another project to build two Kompogas® digesters for a biogas plant in Nanjing consolidates Swiss cleantech company Hitachi Zosen Inova's position as the leading supplier of anaerobic dry fermentation technologies in China.

Following a similar project in Chongqing, with the signing of a contract to deliver two Kompogas® PF1800 steel digesters to client German Bio Energy Technology (GBE) for a biogas plant project in the Chinese city of Nanjing, Swiss company Hitachi Zosen Inova (HZI) has landed its second project of this sort in a market that in addition to having great potential, also poses various challenges for western companies. More and more countries worldwide set up sustainable waste management and implement programmes for renewable energies. In this area China marks the largest market for first-class environmental technologies. „For quite some time we have been the leading technology provider in the field of thermal Energy from Waste technologies. Thanks to the realisation of our second Kompogas project in China, we are able to strengthen our position as a leading supplier for Dry Anaerobic Digestion technology as well“, emphasises Andres Kronenberg, Chief Business Development for Hitachi Zosen Inova, the relevance of this project for the company.

Growing Trend to Energy from Organic Waste

Like many cities in China, Nanjing, around 300 km upriver from Shanghai, is struggling with ever-increasing volumes of waste from a steadily growing urban population. With landfill sites increasingly full and losing acceptance, there's a growing need for sustainable technologies. Alongside thermal energy recovery, these include the biological fermentation of organic waste.

The trend to organic waste treatment is receiving a boost from new legislation containing tighter rules on recycling and recovering energy from restaurant and household kitchen waste. Against this backdrop, the city of Nanjing is planning to build and operate a new waste park where waste, including organic household waste, is to be sorted and converted into biogas in a Kompogas® plant to be delivered by HZI in partnership with GBE. The two Kompogas® digesters will process around 55,000 metric tons of organic waste a year to produce some 7.5 million Nm³ of biogas, which will subsequently be converted into electricity. After the digestate has been dewatered, the liquid fraction will be fed into a wastewater treatment plant, while the solid digestate will be burned to produce additional energy.

Proven Swiss Technology Addressing Chinese Cities' Waste Problems

“With its Kompogas® technology, HZI offers a perfectly equipped solution to upgrade waste to energy for Chinese cities to better master their major environmental and growing waste-related challenges” says German Bio Energy Technology CEO Markus Dicke, who is working in this field in China for more than ten years. He adds: “The technology has to be extremely robust and competitive, guaranteeing the long-term success of our two reference projects in Chongqing and Nanjing and thus encouraging adoption by other cities.”

With construction work beginning in only a few weeks, the biogas plant will be ready to go into operation as early as spring 2019.

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. HZI acts as an engineering, procurement and construction (EPC) contractor and project developer delivering complete turnkey plants and system solutions for thermal and biological EfW recovery. Its 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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About German Bio Energy Technology Co. LTD.

With a proven track record of international business in consumer goods and in high technology realization in Asia, Markus Dicke's responsibilities lie in business development in foreign markets and leadership to realize green EU Technology in China. He decided to continue his work in the field of Chinese biological city waste treatment and found 2009 German Bio Energy Technology in Beijing providing large scale turnkey waste to energy plants, using specific EU license technology in China, pioneer in effective and a harmless waste treatment in China. In 2018 three plants for municipal- and agricultural waste treatment are under construction. Markus is dedicated to convert polluting waste into clean renewable energy to preserve our world limited resources with unique solutions. www.germanbiowaste.com