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Chinese Megacity Chongqing Again Chooses Swiss Kompogas® Technology

Hitachi Zosen Inova has been awarded the contract to supply Chongqing with three Kompogas® digesters. This is the Swiss company's second project already for the Chinese megacity. The plant will process up to 110,000 tonnes of organic waste a year to produce biogas, making a major contribution to the achievement of China's ambitious recycling targets.

On 27 March 2020, Swiss cleantech company Hitachi Zosen Inova (HZI) and Beijing based German Bio Energy Technology (GBE) signed a contract for the delivery of three Kompogas® PF 2100 digesters for the construction of an additional biogas plant in the Chinese city of Chongqing. This marks the continuation of a prestigious project that began with an order for two Kompogas® PF 1800 digesters in 2017. The new installation, part of a major recycling park, will be built on the same site as its predecessor.

Robust Technology Meeting the Toughest Requirements

This is already the third joint project for HZI and GBE after Chongqing 1 and Nanjing. “The flexible design and robust construction of the Kompogas® digesters proved their outstanding worth in our first projects, and are a guarantee of reliable biogas production”, says Markus Dicke, CEO of GBE. “We’re happy to be able to count on HZI’s expertise and Kompogas® technology in this project as well.

The new installation in Chongqing will be the first Chinese facility to feature the large version of the Kompogas® core module, the PF 2100 digester. This new plant will start a new era of joint processing of source-separated organic waste and food waste using dry anaerobic technology in China. The biogas plant will process up to 110,000 tonnes a year of source-separated organic waste from households and restaurants to generate around 12.5 million Nm³/a of biogas, corresponding to an energy content of approximately 72.6 GWh/a.

Meeting Ambitious Goals in Partnership

For HZI the project is an important step in its efforts to become further established in the Chinese market. It also marks the implementation of an additional sub-goal of the memorandum of understanding signed in August 2019 where the City of Chongqing and HZI agreed to work closely together to implement China’s ambitious recycling targets.

COP21 member state China has embarked on major projects and investments in sustainable environmental and waste management. Fabio Dinale, Vice President Business Development at HZI, emphasises the relevance of this project for both HZI and China’s sustainability strategy: “We’re proud that through our technology we’re able to contribute to China’s sustainable waste management system and recover energy from this megacity’s organic 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. 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, and can be flexibly adapted to user requirements. HZI's Service Group combines absolute commitment to research and development with extensive manufacturing and assembly capabilities and looks after your plant throughout its entire 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 as well as gas upgrading and power-to-gas 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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