

Bologna (Italy): The Construction of Europe’s Largest Dry Anaerobic Digestion Plant Can Begin

Europe’s largest dry anaerobic digestion plant is to be built in Bologna, Italy. The Notice to Proceed was given on Friday, March 31, 2017, so giving the green light for construction to begin. Hitachi Zosen Inova can thus now start delivery of the core modules.

Europe’s largest dry anaerobic digestion plant is to be built in Bologna, with an annual throughput of 100,000 tonnes of organic waste. The future operator, HERAmbiente SpA, announced its decision to use Hitachi Zosen Inova’s Kompogas® technology back in spring 2016. The process of obtaining the relevant permits for the project was completed in March 2017, enabling the Notice to Proceed to be signed on Friday, March 31, 2017. The project will now be executed under the lead of Cesaro Mac. Import, the exclusive partner of Kompogas® in Italy. The building site will be opened in mid-April 2017, and construction of the Kompogas® digesters is scheduled to begin in July.

Proven Technology Adding Value in the Region

Having worked together with Kompogas® several times before at plants in Faedo (TN), Novi Ligure (AL), and Nera Montoro (TR), Cesaro Mac. Import is now once again relying on the tried-and-tested Kompogas® technology for the major project in Bologna. Hitachi Zosen Inova will deliver four PF1800 steel digesters, which will process around 100,000 tonnes of organic waste from the region, producing biogas and high-grade compost. Some 14.3 million Nm³/a of biogas – with an energy content of 71.05 GWh/a – will thus be recovered and fed into the local gas grid. This will benefit, among others, the surrounding municipalities and also Bologna’s public transport company, which will use the generated biogas to fuel its fleet.

Factsheet

End Client	HERAmbiente SpA, Bologna Share capital	75 % Gruppo HERA EUR 271,148,000
HZI Client	CESARO MAC. IMPORT srl, Eraclea	100% family owned
Input Material	- Biowaste from household collection - Structure material	100,000 t/a 12,000 t/a
Digester	- 4x PF1800	Steel digester
Capacity	- Biowaste from household collection	102,000 t/a
Yields	- Biogas - Energy content in biogas - Compost	14,287,000 Nm ³ /a 71.05 GWh/a 30,000 t/a

About Cesaro Mac. Import

Cesaro Mac. Import is a family company based in the northeast of Italy, close to Venice. The core business of Cesaro Mac. Import is the environment. The customers of Cesaro Mac. Import are waste management companies, composting and/or AD facilities and companies involved in the recycling business. Cesaro Mac.

Import provides a wide range of tailored solutions to its customers, from single machinery to complete turnkey plants. Thanks to its well established team Cesaro Mac. Import assists its customers in each phase, from designing to post-sales. Through its highly qualified technical team Cesaro Mac Import can provide its customers: 24/7 telephone assistance, maintenance in its workshop or at the customer site, using its 11 service vans and service partners in Italy and abroad. Cesaro Mac Import has been playing a key role in the waste field in Italy since 1985. Cesaro Mac. Import has developed the integration between the AD technologies and Composting technology (Il Girasole Tunnel Composting) that doesn't produce waste waters to be treated. Faedo's plant is the first plant with this integration in Europe. This combined technology will be now a reference for all new plant construction in Europe. Thanks to the cooperation with HZI, Cesaro Mac Import can now offer a very high quality product to its customers for transforming waste to energy.

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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. 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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