

Media Release, 12 April, 2018

Hitachi Zosen Inova to Build and Operate Kompogas® Plant to Turn Jönköping's Organic Waste into Vehicle Fuel

Hitachi Zosen Inova is to build Scandinavia's second Kompogas® facility in Jönköping, Sweden. It will use a dry fermentation process to convert around 40,000 metric tons of organic waste a year into fuel for buses and cars, and high-grade fertilizers. The new installation will replace an existing wet fermentation facility, assuring the future of organic waste treatment, renewable fuel production, and jobs in the region.

The Swedish municipality of Jönköping has approved the sale of the existing wet fermentation facility (JEBIO1) to the Swiss company Hitachi Zosen Inova (HZI) and its local partner and enabler JES & Partners AB. This will enable HZI to design, finance, build, and operate a new Kompogas® dry fermentation plant (JEBIO2) in the south of the city. "We're happy to have come up with this solution. HZI will continue to ensure the sustainable treatment of local household kitchen and green waste, produce renewable fuel, and at the same time secure local jobs," explains Fridolf Eskilsson, Director and Managing Director of Jönköping Energi AB, the current owner of JEBIO1.

Helping Achieve Carbon Neutrality

"Sweden leads the world in terms of its efforts to establish a carbon-neutral economy," says Andres Kronenberg, Head of Business Development and Member of the Executive Board at HZI. "We are proud to be the supplier of the first-class Kompogas® Anaerobic Digestion (AD) and BioMethan upgrading technologies that literally enable the regional public transport system to be run on kitchen and green waste. This plant will serve as a fine example of our company's contribution to a carbon-free economy."

In the future, the two Kompogas® steel digesters will process up to 40,000 metric tons of organic waste a year to produce biogas, which will be upgraded and compressed to a renewable transport fuel. "Unlike the existing wet AD plant, in the dry fermentation process one of the key products is compost, a valuable soil conditioner," says Lukas Heer, HZI's Project Development Manager, underscoring the benefits of the Kompogas® technology. "As no additional water is introduced into the process, the liquid fertilizer produced from dewatered digestate is also much richer in nutrients," he adds.

Local Business Benefits

The compost will be passed back to the Municipality of Jönköping for its own use, while the liquid fertilizer will be sold to local farmers. The 35 GWh of biogas produced every year will be converted into high-grade biomethane and sold in the form of compressed natural gas (CNG) as carbon-neutral vehicle fuel locally.

HZI will take charge of operating JEBIO1 at the end of 2018 until the start-up of JEBIO2 by the end of 2020. Following that, the old installation will be dismantled. After Högbyp, to the north of Stockholm, Jönköping is already HZI's second Kompogas® plant in Sweden.

About Hitachi Zosen Inova

Zurich-based Hitachi Zosen Inova (HZI) is a global leader in energy from waste (EfW) and renewable gas technologies, operating as part of the Hitachi Zosen Corporation Group. HZI acts as an engineering, procurement, and construction (EPC) contractor delivering complete turnkey plants and system solutions for thermal and biological waste treatment and EfW recovery. HZI also develops projects, and owns and operates corresponding plants. 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.

Media Contact

Hitachi Zosen Inova AG
HZI Media Office, Manuela Höllinger
Hardturmstrasse 127, CH-8005 Zurich, Switzerland T +41 44 277 14 57
com@hz-inova.com , www.hz-inova.com

About JES & Partners AB

JES & Partners AB is a management consulting company that provides services and training in management and projects toward business governance and development. The company was founded in 2009 and is based in Jönköping. JES manages missions that include everything from strategic issues, business analysis, changed processes, and economic profitability and efficiency. JES leads and catalyzes the change that is required for the business to reach the desired state, and delivers zero-level analyses and implements the proposed solutions in the organization. The company specializes in strategic planning, and running operational activities within the value chain for waste to renewable energy, focusing on biogas activities. The aim is to reduce carbon dioxide load and increase renewable energy, with economic sustainability as the main objective and driving force. To find out more about JES & Partners AB, please visit <http://www.jesab.com/>.

Media Contact

JES & Partners AB
Johan Eskengren, CEO +46 708 301660

About Jönköping Energi AB

The vision of Jönköping Energi is to be a good force for a good society. We want to contribute to and operate the design of the future infrastructure in the region. With us, it is easy to be a customer. We are close, and together with our customers, we contribute to a sustainable society. Today we supply 55 000 customers with light, power, heat, cooling, biogas and city networks. We have a turnover of 1,3 billion SEK per year and have 270 employees. www.jonkopingenergi.se