

Media release, 23 May 2022

## **Municipality in Poland to Treat Organic Waste Using Dry Fermentation and Generate 3.5 Million kWh of Electrical Energy a Year**

**Starting in 2024, the new Kompogas® plant being built by Hitachi Zosen Inova on behalf of the German company Eggersmann Anlagen Concept for the Wielkopolskie Centrum Recyklingu waste incineration plant in Jarocin will treat around 15,000 tonnes of household organic and green waste a year to produce renewable energy and fertiliser.**

**Jarocin, Poland.** One of the goals of Poland's new energy policy is to harness the potential of renewable energy more effectively. Added to this are increasingly stringent environmental requirements from the European Union (EU) obliging communities in its member states to source separate household waste. Among other things this has led to a considerable increase in the amount of organic waste. Poland still has only a modest number of waste treatment plants. One of them, operating in Jarocin, already has a Kompogas® licence from a third-party provider. The plant treats the organic fraction separated out from mixed municipal waste by technical means to produce biogas. Given the new need, the local operator, Wielkopolskie Centrum Recyklingu, has decided to also have an anaerobic fermentation plant built on the same site.

### ***Proven Technology, Proven Partnership***

The Kompogas® plant in Jarocin will be one of more than 100 installations worldwide using anaerobic fermentation technology to generate energy from renewable organic resources. Its plug-flow digester will be equipped with resilient agitators for the reliable treatment of a wide range of substrates with different compositions comprising organic and green waste, as well as the organic fraction of municipal solid waste. The plant is designed to process 15,000 tonnes of organic waste a year to produce biogas with a yield of over 95 percent. After a cleaning stage, this biogas is fed into a combined heat and power unit to generate electricity and useful heat; the electricity is fed into the public grid.

Rolf Liebeneiner, head of sales at Eggersmann Anlagenbau, comments as follows: "We're delighted to have been entrusted with this project by the municipality of Jarocin. We'll be delivering it as a general contractor in a consortium with Instal Warszawa S.A. Eggersmann and Hitachi Zosen Inova have already developed a number of projects together and make a winning team. The extended plant will significantly boost our client's performance in terms of resource management and energy generation."

Stefano Boscolo, Director Sales Renewable Gas at Hitachi Zosen Inova, explains: "Kompogas® dry fermentation technology is a particularly good match given the municipality of Jarocin's goal of increasing the share of renewable energy. By recycling organic waste into materials and energy, the process closes the environmental cycle cost-efficiently."

Phase one of the project, engineering and procurement, has commenced. On-site construction will take place at the end of 2022, and the new bio-recycling plant will go into full operation in early 2024.

### **About Eggersmann Anlagen Concept**

Eggersmann Anlagenbau is one of the leading suppliers of waste treatment plants, with decades of experience in mechanical and biological (aerobic and anaerobic) recycling methods and processes. Eggersmann's expertise ranges from engineering, implementation planning, procurement, production and delivery of the steel construction and the mechanical and materials handling technology to the assembly, commissioning and operation of the plants. The company is part of the Eggersmann Group of companies operating internationally in construction and recycling technology. The group employs more than 1,000 people worldwide.

To find out more about us, please visit [www.eggersmann-recyclingtechnology.com](http://www.eggersmann-recyclingtechnology.com).

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### **About Hitachi Zosen Inova**

Zurich-based greentech company Hitachi Zosen Inova (HZI) is a subsidiary of the Hitachi Zosen Corporation and one of the world's leading providers of integrated energy transition solutions, with a focus on Energy from Waste (EfW) and Renewable Gas (RG). HZI serves as a project developer, technology supplier and engineering, procurement and construction (EPC) contractor delivering turnkey plants and system solutions for thermal and biological EfW recovery, gas upgrading and Power to Gas. Its solutions are based on efficient and environmentally sound technology, are thoroughly tested, and can be flexibly adapted to customer requirements. HZI's Service Group combines its own research and development with comprehensive manufacturing and erection capabilities to support customer projects throughout the entire life cycle. HZI works for customers ranging from experienced waste management companies to up-and-coming partners in new markets. Its innovative and reliable solutions have been part of more than 1,600 reference projects worldwide.

To find out more about HZI, please visit [www.hz-inova.com](http://www.hz-inova.com).

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