

July 26, 2021

100th Kompogas® plant order intake - Expanding from Europe to North America and Japan -

Hitachi Zosen Inova AG (hereafter, HZI), based in Switzerland and a wholly-owned subsidiary of Hitachi Zosen Corporation, specialized in design, construction, and maintenance of thermal and biological Energy-from-Waste (EfW) plants, has received an order in Italy for the 100th* plant of the dry-type biogas (anaerobic digestion) technology "Kompogas®" owned by our Group.

* Including the reference projects before joining Hitachi Zosen group.

This project is to construct a new Kompogas® plant in Emilia-Romagna, Italy. After going into operation, the plant will process about 100,000 tons of organic waste annually and generate about 16.7 million Nm³ /a of biogas. The operation is scheduled to start in December 2022.

About Hitachi Zosen group's biogas business

HZI acquired the Kompogas®' construction business from Axpo Group, Swiss large electricity company in 2014. Kompogas® is a dry type anaerobic digestion technology that processes organic wastes such as food wastes and green wastes - branches and leaves at a temperature of around 55 ° C in an anaerobic environment, and produces biogas through the actions of microorganisms. The produced biogas can be used for power generation. By being purified, the produced biogas can be almost the same component as natural gas and usable as a part of vehicle fuel and city gas. In addition, the residue after the process can be used as compost and fertilizer for agriculture and horticulture.

Kompogas® is registered as a trademark in more than 30 countries worldwide, and has a top-class order record in Europe. Our Group aims to improve the energy recovery by installing a biogas facility at some EfW plants. We also own and operate the plants as well as construction in USA and Sweden.

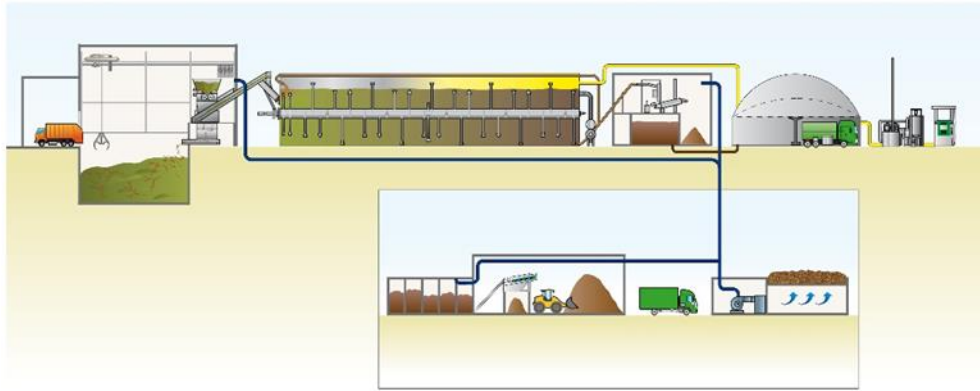


Image of Kompostgas Plant

Kompostgas® reference record

Europe	86
Japan	8
Asia	3
North America	2
Middle East	1
Total	100

(Including licensees' projects)

Introduction of major plants

- **Owned and operated by our Group (USA and Sweden)**

In San Luis Obispo, California, USA, there is the first biogas plant that our Group owns and operates for 20 years, in addition to construction.

Furthermore, in Jönköping, Sweden our Group has also developed a project on DBOO (Design, Build, Own and Operate) basis, and the plant started operation this spring. The biogas produced from organic wastes is purified and sent to a fuel filling station and used as fuel for local buses and waste collection trucks.



San Luis Obispo, California, USA



Jönköping, Sweden

- **Plant in Japan (Kyoto)**

At "Kyoto City Southern Clean Center", a biogas plant is installed at an EfW facility, and the center contributes to the reduction of CO2 emissions.



Kyoto City Southern Clean Center

- **Our Group's largest biogas plant (Qatar)**

The biogas plant in Doha, the capital of Qatar, is the largest facility constructed by our Group that produces 25.3 million Nm³ / year of biogas from 274,000 tons of organic wastes annually.



Doha, Qatar

Our Group strengthens operation and maintenance business of biogas plants in addition to design and construction mainly in Europe and North America.

In July this year, HZI has agreed to acquire two biogas-related companies in Germany that are engaged in wet type methane fermentation technology. It enables us to meet a wide range of market needs.

Our Group will continue to develop wide range of biogas businesses in both dry and wet type technologies in research and development, design, construction, operation and maintenance.