



Pressemitteilung

Press release · Communiqué de presse

Vechta, July 2022

WELTEC BIOPOWER builds its first biogas plant in Taiwan

Taiwan's government aims for a climate-neutral economy by 2050

Together with its Asian partner Melchers Taiwan, the manufacturer WELTEC BIOPOWER is building a biogas plant in the southwest of the island state. For the 360-kilowatt plant, the German biogas specialist is supplying a proven turnkey solution based on high-quality stainless steel technologies. For the project, WELTEC is responsible for the engineering, the execution and the complete service including biological analyses. Taiwan is already the 26th country in which WELTEC BIOPOWER is building a biogas plant.

Construction at the operator's headquarters in Tainan City, on the southwest coast of Taiwan, is scheduled to begin in 2023; commissioning is planned for 2024. „Because this is our first biogas plant in the country, we are particularly pleased to be able to contribute our proven technology to this project,“ says Vladimir Bogatov, the Area Sales Manager responsible for the Asia-Pacific region at WELTEC BIOPOWER.

In addition to the electricity fed into the grid, part of it will be used for the plant's own use. The heat from the biogas plant is also used to heat the operator's production facilities directly at the plant and via a local heating network: among other things, it is used to supply a pigsty that is equipped by WELTEC's parent company WEDA Dammann & Westerkamp. The circular economy concept envisages using the pig manure produced as the main substrate for the operation of the biogas plant.

The stainless steel fermenters take into account the special requirements of the island state: due to its tectonic position, Taiwan experiences strong earthquakes with far-reaching consequences with above-average frequency. The special stainless steel construction and high stability of the biogas plant is adapted to the high earthquake probability and the local wind load specifications. Another advantage is that only a small amount of work is required for the on-site construction, as the project is intensively accompanied by the WELTEC team from the headquarters in Vechta.

„We are extremely happy with our partnership with WELTEC BIOPOWER, one of the world's leading companies in the field of biogas plant construction. The plant quality, the high technical standard, the expertise in project implementation, especially in Asia and the after-sales support in plant efficiency immediately convinced us and our customers of the cooperation,“ explains the Managing Director of Melchers Taiwan, Tudor Pascu. „And the fact that WELTEC BIOPOWER has already realised several projects in Japan, South Korea and China may prove to be a strategic advantage for further biogas projects in Taiwan in the future,“ Vladimir Bogatov looks ahead.

Such framework conditions should also contribute significantly to Taiwan becoming a climate-neutral economy by 2050 as planned. At the end of March 2022, this goal was published by the government in Taipei as part of a new roadmap. The roadmap envisages billions of dollars in state investment for this project. It is expected that especially already experienced market players such as Melchers Taiwan and WELTEC BIOPOWER will play an important role in this process and are eager to cooperate with the authorities to support the implementation path.

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Organic energy worldwide

Pictures/Captions



From left to right: Mr. Dominik Seubert, Product Manager (Melchers Germany), Vladimir Bogatov (Sales Asia-Pacific WELTEC), Mr. Tudor Pascu, Managing Director (Melchers Taiwan), Hajo Schierhold (Head of Sales WELTEC).

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Company Portrait

The **WELTEC** Group from Vechta, Germany, has developed into a globally leading specialist for the construction and operation of biogas and biomethane plants since it was founded back in 2001. The Group designs, plans and sets up energy plants, operates them on a permanent or temporary basis, provides 24/7 service and delivers sustainable usage concepts for output flows, thereby covering the entire biogas value chain.

The establishment of individual, technically mature solutions up to a plant size of 10 MW is one of the strengths of **WELTEC BIOPOWER**. The high proportion of custom-developed components is a key success factor. Moreover, the use of stainless-steel technologies ensures flexible substrate input, quick and inexpensive assembly and a consistently high quality standard, regardless of the location. Following the commissioning, **WELTEC**'s mechanical and biological service plays a significant role in ensuring the plant efficiency.

The company also boasts a wealth of experience in the field of biogas generation and utilisation. The company's nine decentralised plants generate 96 million standard m³ of biogas a year. A portion is processed to biomethane and made available to energy suppliers and petrol station operators via the public gas network. Additionally, at 16 locations in Germany – e.g. in the field of horticulture, housing construction and healthcare as well as communities – the biomethane is used for generating heat within the framework of **WELTEC** energy contracting.

The biogas specialist is well aware of the importance of customer and investor proximity. Accordingly, the Group's sales and service network spans the entire globe. The range of customers includes businesses from industries such as agriculture, food, waste and wastewater. So far, the 120 employees of the **WELTEC** Group have implemented more than 350 energy plants in 25 countries on five continents. All in all, the biogas specialist ensures annual savings of around 530,000 tons of CO_{2eq}.

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