



Pressemitteilung

Press release · Communiqué de presse

Vechta, October 2022

WELTEC BIOPOWER presents biogas technologies at Energy Decentral

„MINIFerm“ small-scale plant concept complements new plant portfolio

From 15 - 18 November 2022, WELTEC BIOPOWER will be presenting its innovative, proven biogas technologies and services in Hall 25, Stand K 10 at the leading Energy Decentral trade fair in Hanover. With the experience of over 350 biogas plants built in 25 countries on 5 continents in more than 20 years, the biogas plant manufacturer is an experienced partner.

One of WELTEC's strengths is the construction of individual, technically sophisticated solutions made of stainless steel up to a plant size of ten megawatts. Slurry and fermentation residues produced in the biogas process can be processed into water, fertiliser concentrate and valuable solids in a four-stage process using the Kumac treatment technology. This process offers a viable, scalable solution, especially in the current situation where high energy costs are leading to sharply rising fertiliser prices and a significant decline in supply.

To complement its portfolio of new plants, the experienced biogas plant manufacturer is presenting its current „MINIFerm“ concept. With this small-scale plant concept, smaller, agricultural businesses as well as medium-sized industrial companies can enter the self-supply market. A major advantage of the 50-80 kilowatt plants is a compact, economical solution for converting even small quantities of pumpable substrates into electricity and heat in a simple and uncomplicated way.

In addition, WELTEC BIOPOWER has a great deal of expertise as a buyer for plants in need of renovation from 1 megawatt. Through in-depth expertise in the technical, administrative and organisational areas, WELTEC ensures EEG-compliant plant operation with thorough modernisation. „By acquiring and operating RED-II certified plants ourselves, we produce biomethane sustainably. In this way, we offer companies with a high environmental impact from GHG quota trading an opportunity to compensate for their greenhouse emissions,“ argues WELTEC's new sales manager Söhnke Neumann.

Further information on the technologies and services of the biogas plant manufacturer can be obtained by interested visitors at Energy Decentral / EuroTier at the WELTEC BIOPOWER stand (Hall 25, Stand K 10).



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Organic energy worldwide

Pictures/Captions



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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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