



Pressemitteilung

Press release · Communiqué de presse

Vechta, April 2018

Biogas Specialist at the IFAT in Munich

WELTEC BIOPOWER to Showcase Solutions for the Energetic Utilisation of Organic Waste and Wastewater

At the IFAT, the world's leading trade fair for environmental technologies in Munich, Germany, the German company WELTEC BIOPOWER will exhibit its technologies for the energetic use of organic waste and wastewater to a broad industrial and municipal audience. From 14 to 18 May, the globally active biogas plant manufacturer will be present at stand 219 in hall A4. Visitors are invited to approach the company for all questions concerning its tried-and-tested process technology for the establishment and expansion of anaerobic energy plants.

The sewage treatment plant in Burgebrach, Bavaria, demonstrates how a municipal enterprise can effectively reduce its energy and disposal costs with the help of a biogas plant. For the existing sewage treatment plant, which serves a population of 13,000, WELTEC has added a sludge digestion unit including energetic utilisation of sewage gas in the combined heat and power (CHP) plant. The facilities went live in spring 2016. Since then, the sludge has been stabilised with an anaerobic process in the custom-designed stainless-steel tower following the wastewater treatment in a two-stage trickling filter unit.

Thanks to the installation of the digestion unit, the unpleasant odour emissions around the sewage treatment plant have been eliminated. Moreover, the digestion reduces the amount of sludge and enables the energetic utilisation of the digestion gas. The operators also wanted to be able to use all the power and heat generated by the CHP plant for the on-site processes. „Thanks to our self-supply, we are able to save the electricity costs of about 100,000 kWh/year“, says Arne Nath, Head of Wastewater Treatment at SüdWasser GmbH, the operator that has supported the town Burgebrach since 2005.

This special plant benefits greatly from the proven technologies of WELTEC BIOPOWER: Firstly, the modular structure of the stainless-steel plants enables a customer-specific layout. Secondly, such projects draw on the experience that WELTEC has gained in the establishment of more than 300 biogas plants.

Every single plant has a different substrate structure. Regardless of whether sludge, abattoir waste, production leftovers, or supermarket waste is concerned, WELTEC guarantees optimum energetic utilisation of the substrates in all cases. This is possible with the help of smart processes and the comprehensive services and supervision by biologists and engineers.

Further information on the energetic utilisation and use of all types of organic waste and wastewater will be available from 14 to 18 May 2018 at the IFAT in Munich, hall A4, stand 219. The specialists of WELTEC are looking forward to meeting you!

Next Page: Pictures/Captions



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Organic energy worldwide

Pictures/Captions



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Next Page: Company Portrait



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Company Portrait

WELTEC BIOPOWER GmbH is one of the world's leading enterprises in the field of stainless-steel biogas plant construction. The company has planned, developed and built anaerobic digestion plants since 2001. Today, the medium-sized company has about 80 employees at the headquarters in Vechta, Germany, and has established more than 300 energy plants in 25 countries worldwide. The global distribution and service network spans six continents. The range of customers includes businesses from the agriculture, food, waste and wastewater industries.

The strength of **WELTEC BIOPOWER** lies in custom-tailored design and technically mature solutions for projects up to 10 megawatt capacity. In this context, the high proportion of internally developed components is a key success factor. The company also owes its leading edge to the use of stainless steel. This enables the input of a diverse range of feedstocks, a fast and economic assembly and a consistently high quality standard – regardless of the location.

After a biogas plant goes live, **WELTEC BIOPOWER** offers additional support through its experienced mechanical and biological service team. 24/7 availability and an in-house lab contribute significantly to the efficiency of the plant.

Nordmethan, a subsidiary company of **WELTEC BIOPOWER**, addresses another business area: The operation of biomethane plants and the provision of heat through energy contracting. In this way, the WELTEC Group covers the entire value chain of energy generation with biogas and biomethane – from the plant construction to the plant operation.

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