



Pressemitteilung

Press release · Communiqué de presse

Vechta, April 2016

Quick setup of biogas plants to secure higher feed-in tariff

WELTEC BIOPOWER UK Reports Two New Contracts

In view of the ongoing debate about a new feed-in tariff (FIT) system, the development of renewable energies in the UK is becoming ever more challenging. Thus, most anaerobic digestion plants are currently implemented by experienced companies. After all, quick planning and construction are a must in order to benefit from the calculated FIT. Against this backdrop, the plant manufacturer WELTEC BIOPOWER UK Ltd. from Stoneleigh, Warwickshire, has reported the placement of orders for two new agricultural biogas plant projects in England and Northern Ireland.

WELTEC is currently building a 500-kW plant for Stephen Carson's agricultural enterprise near Strabane, Northern Ireland. The plant's two stainless-steel digesters (3,573 m³ and 4,903 m³) will be fed with 24,500 t of cattle manure, whole plant silage, dry chicken dung, grass silage, sugar beets and small quantities of maize. The project is progressing smoothly, and the plant is set to go live and feed in power as early as summer 2016.

Low Farm in Sherburn, England, also decided to have its 500-kW biogas project built with WELTEC technology. The fast construction time was an important factor for the clients in their decision making, along with the quality, the experience of the company and the strength of the ongoing biological support. Despite delayed project commencement and exceptionally wet weather, WELTEC successfully completed the plant ahead of the tight FIT pre-accreditation deadline, ensuring long term financial viability of the plant for the client. WELTEC constructed the plant, based on a 3,573-m³ stainless-steel digester, achieving G59 in September 2015 despite only starting work on site in the beginning of July 2015. The plant has been online since September 2015, producing power and heat from pig manure, dry chicken dung, beets and some maize silage.

In both plants, the upstream **MULTIMix** input system ensures optimum pre-treatment of the substrates. In this way, the operators can make use of inexpensive feedstock, such as manure and grass. The surface area of the input substances is enlarged through effective shredding in order to optimise substrate/bacteria contact and boost the methane yield. The **MULTIMix** unit also removes stones from the feedstocks, reduces the likelihood of layering within the digester, and significantly reduces the energy required for digester mixing. The **MULTIMix** thus plays a key role in ensuring the feasibility of the plant.

It is no coincidence that agricultural and industrial investors in the UK rely on WELTEC BIOPOWER. The biogas specialist has been involved ever since the UK's first biogas plant projects. The first British WELTEC plant near Aberdeen, Scotland, which was set up in 2006, was one of the first biogas plants installed in the UK – and is still operating successfully. This documents the high technology and design standards that WELTEC BIOPOWER is setting. With ever tighter development deadlines it is more important than ever to make the most of an experienced team, and invest in tried, tested and trusted technology.

Interested developers and investors are invited to ask WELTEC BIOPOWER for information on the current opportunities with biogas. On 4 and 5 May, the WELTEC team will be available at the All Energy in Glasgow (stand M68).



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Organic energy worldwide

Pictures/Captions



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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. In addition, since 2008 the company has ensured certified internal quality and environmental management in accordance with the ISO 9001 and 14001 standards.

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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