



Anaerobic Digestion (AD) Plant Methwold

United Kingdom

Client	Future Biogas Ltd.
Location	Methwold, Norfolk, UK
Commissioned	2016
Input (feedstock)	Manure (pig), sugar beet silage, maize silage
Total processing capacity	55,000 t/a
Raw biogas production	~ 870 m ³ /h or the equivalent of ~ 2.4 MW _{el}
Digester	2 x 3,300 m ³
Post-Digester	1 x 5,050 m ³
CHP	1 x 499 kW
Biomethane	~ 380 Nm ³ /h

Example of a typical solid manure project

In Methwold (Norfolk), United Kingdom Agraferm built an AD plant for Future Biogas Ltd., with two digesters, integrated gas treatment and a biogas output of 870 Nm³ per hour.

The **special feature** of this plant is the demanding feedstock mix with **55% of solid pig manure**. Another complex design feature was to integrate the solid feeding and milling machinery into an existing building, proving once again the **excellent engineering skills** of Agraferm.

The AD plant is **characterised by its optimum output relative to the space the plant takes up**. Agraferm's technology is cost effective with sufficient retention time of the feedstock (around 30 days) at a high dry matter organic loading rate and high degradation of the feedstock thanks to the patented agitators in smaller size tanks. Agraferm plants are also well known for their low electricity consumption and low maintenance costs.



Agraferm GmbH, which is based in Pfaffenhofen, Germany, designs and builds Anaerobic Digestion plants. It is one of the few full service providers of turn-key agricultural and industrial biogas plants in Europe, which operates internationally. Our portfolio includes project planning and construction as well as biological and technical services.

Agraferm biogas plants have the following distinctive features

- High reliability and maximum system availability
- A small footprint, i.e. high biogas production with a minimum of land use
- Use of robust components such as digesters, agitators and pumps, these reliable components prolong the operational life of the AD plant
- Stable digestion process
- Industrial-quality plant construction

The advantages for you

- Minimum operating costs
- Optimum level of substrate flexibility
- Minimal risk of downtime
- Maximum cost-efficiency and minimal power consumption

We are committed to the long-term success of our customers through

- Planning, construction and service from a single source
- Biological and technical support services
- Many years experience with CHP-units and biomethane gas to grid injection

agraferm

Agraferm GmbH
Hauptplatz 12
85276 Pfaffenhofen an der Ilm, Germany

Phone +49 8441 8086-100

Fax +49 8441 8086-190

sales@agraferm.com

www.agraferm.com