



Anaerobic Digestion (AD) Plant Taverham

United Kingdom

Client	Future Biogas Ltd.
Location	Taverham, Norfolk County, UK
Commissioned	2011
Input (feedstock)	Grass silage, maize silage
Total processing capacity	25,000 t/a
Raw biogas production	~ 585 m ³ /h or the equivalent of ~ 1.4 MW _{el}
Digester	1 x 2,300 m ³
Storage Tank	1 x 4,300 m ³ (converted to post digester in 2016)
CHP	1 x 1.4 MW

Compact and at the same time highly efficient

Agraferm has built a **very efficient, compact** biogas plant in Taverham, Norfolk, United Kingdom. The AD plant features low power consumption and low maintenance costs.

Put into operation in Summer 2011, this plant **uses the minimum amount of space for the maximum output**, which is made possible by its high dry matter organic loading rate **and high degradation** of the feedstock, thanks to the patented agitators in smaller tanks.

The biogas plant also uses grass from a nearby airport and provides **electricity for over 2,500 households**.



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

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