



Anaerobic Digestion (AD) Plant Glenthams

United Kingdom

Client	VTTI B.V., UK
Location	VIDA Bioenergy Glenthams, Lincolnshire, UK
Commissioned	2025
Input (feedstock)	Straw, Chicken manure, Farm yard manure, Potato waste and Maize silage
Total processing capacity	47.100 ton/y
Raw biogas production	Approx. 1.200 Nm ³ /h
Primary Digester	2 x 4.240 m ³
Post-Digester	Plug flow digester (from Client)
BGAA Capacity	60 GWh/a

VIDA bioenergy plant with Co-digestion of agri-organic waste and sequential crops

The VIDA Bioenergy Plant in Glenthams, commissioned in 2025 for VTTI B.V. processes 47.100 ton/y sequential grown crops as part of a sustainable farming rotation to produce 1.200 Nm³/h of raw biogas, with two Agraferm's Primary digesters (capable of at least 75% of total Biogas production) and one plug-flow digester. The raw biogas is upgraded to biomethane equivalent to 60 GWh/year – enough to heat over over 5.200 UK homes.

Located in the county of Lincolnshire, Glenthams processes organic wastes from agriculture, such as straw, chicken manure and potato waste, as well as sequential crops grown as part of a sustainable farming rotation to improve soil fertility. The biogas produced helps to reduce the UK's dependency on fossil fuels and contributes to the country's sustainability goals.

In addition to biomethane, the facility will also produce liquid CO₂ and digestate, an organic fertiliser, which will be used locally to replace synthetic fossil-based fertilisers and enrich the soil with organic material.

Glenthams AD plant underlines not only the Client's confidence in AF's superior technology, but also an exceptional track record for delivering outstanding biogas plants.



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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