



## Anaerobic Digestion (AD) Plant Gonerby Moor

United Kingdom

Client	Future Biogas
Location	Moor Bioenergy plant, Lincolnshire, UK
Commissioned	2025
Input (feedstock)	Maize silage, Whole crop Rye silage
Total processing capacity	94.000 ton/y
Raw biogas production	2.500 Nm <sup>3</sup> /h
Primary Digester	2 x 5.840 m <sup>3</sup>
Post-Digester	1 x 6.430 m <sup>3</sup>
BGAA Capacity	100 GWh/a

### UK's first unsubsidized biomethane plant with Co-digestion of crop silages accomplished

Gonerby Moor is not only AF's 11th AD plant built for our long-time client Future Biogas in the UK, but using their own words, it is "Future Biogas's new flagship AD site"!

After almost 15 years from the start-up of the first joint biogas plant (Reepham), Future Biogas has again selected Agraferm technology for UK's First Unsubsidized Biomethane Plant. Gonerby Moor represents meanwhile AF's 20th AD plant in the UK.

Located in Gonerby Moor, Lincolnshire, the plant will provide clean heat for all of AstraZeneca's R&D and manufacturing in the UK, supporting sustainable production of medicines.

According to Future Biogas the Moor Bioenergy plant will supply 100 GWh of renewable energy annually to AstraZeneca UK, equivalent to 20% of the Company's total global gas consumption, displacing approximately 18.000 tonnes of carbon dioxide equivalent (CO<sub>2</sub>e) emissions per year from fossil gas.



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

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