

# We know how to treat any kind of organic feedstock!

Celebrating 60 years of combined expertise in anaerobic digestion, Agraferm and its daughter company BTA International stand at the forefront of the biogas industry. For over 20 years Agraferm has been delivering high-quality turnkey solutions for agricultural biogas plants,

utilizing various agricultural feedstocks like maize silage, poultry dung or straw. Meanwhile, since its foundation in 1984, BTA has been a trailblazer, now renowned for its proven BTA® Process, which allows to process all types of organic residues with impurities.

agraferm **20** YEARS  
2004–2024

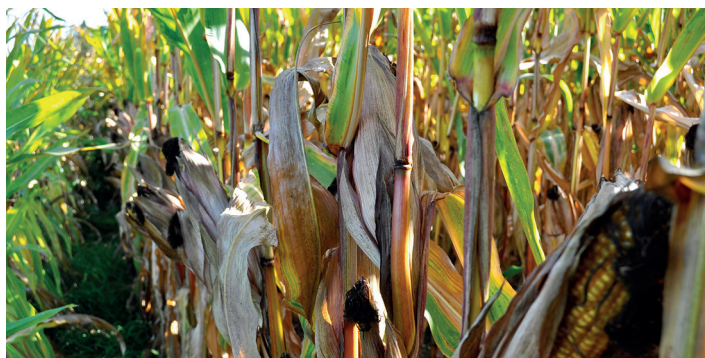
**40** YEARS  
1984–2024

**BTA** 

## Treating advanced biomass

Biogas in the agricultural world traditionally is “wet digestion”. But: most of the interesting feedstocks are solids, such as straw, paddy straw, chicken muck, cow dung, napier grass or sugar cane press mud. To treat these wet processes are forced to dilute heavily! By adding of water or slurries, or by recirculation of process water, blowing up amount of digestate! Dilution is expensive!

Thanks to its advanced mixing technology, Agraferm’s High Solids Digester allows to handle a high viscosity in its interior, thus requiring far less process water for dilution. Besides the obvious advantages like a lower reactor’s volume and lower operation costs, there are other more sophisticated advantages on the long run too, like a higher substrate flexibility and a reduced sensitivity against changes in the feedstock mix.



Advanced biomass as indicated above is the main feedstock in most of the projects Agraferm actually is executing.

Please refer to examples on the backside of this newsletter.



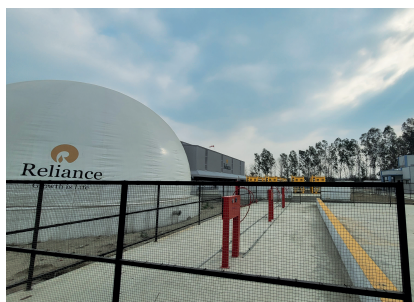
## Expansion of two existing Agraferm Biogas Plants

The two Agraferm AD Plants in the UK, East Anglia I (2014) and East Anglia II (2016), have been both expanded in 2023 with new lines to treat 150.000 resp. 180.000 tons per year of extruded straw, which will result in some additional 1.000 resp. 1.200 m<sup>3</sup> biomethane per hour.

Agraferm was the responsible EPC partner for the turnkey expansion of the anaerobic digestion step. While the Anglia I expansion has been already accepted, Anglia II expansion is in its final commissioning stage.

## Agraferm entering the Indian market

Agraferm has taken the first steps in the Indian market. Agraferm and its local partner have been awarded last year by the largest privately held sector corporation in India, Reliance Industries, with the first Indian Contract for a 20 tons per day compressed biogas plant, produced from about 55.000 tons per year paddy straw only. The installation has been finalized. There is already a handful of



further projects with similar size and input material in an advanced development stage.

## Agraferm is going very strong again in the UK

Agraferm has been chosen as the technological partner to VTTI, one of the world's largest energy storage infrastructure companies, for the Glenthams project. Glenthams, when complete, will produce 60 GWh of renewable natural gas per year.

Furthermore, Agraferm is building a 95 GWh plant for its long-year partner Future Biogas.

And last but not least, Agraferm is building a 94.000 tons per year plant for Acorn Bioenergy UK which will process different substrates from maize silage, through chicken muck up to straw.

These three projects are only the first of a series of projects Agraferm is expecting to build in the next year(s) in the UK. This underlines Agraferm's very strong momentum in the UK, where it has more than 15 AD references already.