



Anaerobic Digestion (AD) Plant Číčov

Czech Republic

Client	Bioplyn Technologie s.r.o., a subsidiary of ČEZ Obnovitelné zdroje s.r.o.
Location	Spálené Poříčí, Plzeň region, Czech Republic
Commissioned	2011
Input (feedstock)	Pig slurry, brewers spent grains, grass silage, maize silage
Total processing capacity	20,600 t/a
Raw biogas production	~ 242 m ³ /h or the equivalent of ~ 526 kW _{el}
Digester	1 x 870 m ³
Post-Digester	1 x 2,088 m ³
Storage Tank	1 x 2,275 m ³
CHP	1 x 526 kW

Agricultural and food processing waste as a valuable mix with energy crops

Agraferm built this biogas plant for a [Czech Republic energy company in Číčov](#), in the Plzeň region of the Czech Republic.

The AD plant, which consists of a digester, a post or secondary digester with a liquid digestate storage tank, uses pig slurry and brewers spent grain, together with grass and maize silage.

Agraferm was the [general contractor for the plant and delivered on a turnkey basis](#).

As all Agraferm AD plants this plant is also characterised by its optimum output relative to the space the AD plant takes up. This is made possible by the high dry matter organic loading rate of the AD plant and at the same time high degradation of the feedstock used.



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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