

Biogas Plant BOECKERMANN II



Location:	Dolgen, Germany
Construction Period:	2004/2005
Input:	Corn silage
Fermenter:	Steel tank, 4,079 m ³
Co-generator:	Gas engines 2 x 536 kW
Special Features:	Gas holder above secondary digester, thermophilic operation
Costs:	about 1,900,000 €

Boeckermann II is a new biogas plant near Boeckermann I, which was built in 2002. Both plants are operated by Thomas Boeckermann, Bioenergie Dolgen KG. This new biogas plant is designed to handle 52 t/d of corn silage, to feed the two 536 kW gas engines. The 18 m steel fermenter is mixed with a top-mounted, centrally located mixer.

The substrate -corn silage- is fed to the digester via a tried and tested solid input device which is located at the bottom of the digester and operates automatically like a piston pump. Its storage capacity is 200 m³. The control system is monitored via computer. The heat from both co-generators is used in the piggery. Start-up occurred in autumn 2005.

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