

## Biogas Plant EICKHOFF



Location:	Bad Sassendorf, Germany
Construction Period:	2006
Input:	Corn silage
Fermenter:	Concrete tank, 2,155m <sup>3</sup>
Co-generator:	Gas engine, 526 kW
Special Features:	Gas holder above secondary digester, heat recovery, thermophilic operation
Costs:	about 1,500,000 €

The owner of the biogas plant EICKHOFF is Stefan Eickhoff and the operator is his brother Hartmut Eickhoff. Due to the active role the owner's operators took in the construction process, the plant was constructed and commissioned in a 5-month period.

The secondary digester has a volume of 4,310m<sup>3</sup> and it works also as digestate storage tank. The biogas plant is located near a village. For reducing the emission of noise and odour the process of receiving the corn silage (solid input device, silage bunker) is contained inside of the engine house. Remote monitoring of the control system is possible. The excess heat (including the heat of the exhaust heat exchanger) is used for heating neighbouring houses and a wood-drying-system. The owner receives a payment for electric current delivered to the electric power grid, according to the German Renewable Energy Law (EEG).

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