

Biogas Plant NOOTBAAR



Location:	Huesby, Germany
Construction Period:	2005
Input:	Corn silage
Fermenter:	Concrete tank, 950 m ³
Co-generator:	Dual fuel co-generator 2 x 110 kW
Special Features:	Gas holder above secondary digester
Costs:	about 600,000 €

The owner and operator of the biogas plant is the Biokraft Nootbaar GbR. The solid input device is the owner's "do-it-yourself" version. Due to the active role the owner took in the construction process, the costs of the biogas plant were low. The digester consists of ready-mixed concrete slabs and is partly set underground. The digester is operated in the thermophilic temperature range and is heated through the floor and additionally by heat exchanger. The excess heat is used for wood-chip-drying. The owner receives payment for the electrical energy in accordance with the German Renewable Energy Law (EEG) that includes an innovation bonus for dry fermentation. Start up occurred in autumn 2005. A third co-generator (110 kW_{eI}) was added in 2006.

Krieg & Fischer Ingenieure GmbH

Hannah-Vogt-Strasse 1
D-37085 Goettingen · Germany

Tel.: +49 551 900363 - 0

Fax: +49 551 900363 - 29

contact@KriegFischer.de

www.KriegFischer.de

Responsibility of Krieg & Fischer Ingenieure GmbH:
Conception, Preplanning, Permission, Detailed Final Construction Plans,
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