

Biogas Plant GOETTINGEN



Location:	Goettingen, Germany
Construction Period:	2007
Input:	Compost leachate
Fermenter:	Concrete tank 1,885 m ³
Co-generator:	Gas engine 254 kW
Special Features:	Gas holder above first digester, heat recovery
Costs:	about 800,000 €

The owner and operator of the composting plant and the biogas plant is the Bioenergiezentrum Goettingen GmbH. The plant treats source separated biowaste and green waste. In a first aerobic step the wastes are sprinkled with percolation liquid. The resulting leachate is then digested anaerobic in the biogas plant that is located on the grounds of the composting plant in a second step. The concrete tank digester is fitted with a gas holder and a side-mounted mixer. Before digesting, the compost leachate is accumulated in a 50 m³ reception tank. The digestate is stored in a 50 m³ tank and can be used again in the composting process. The leachate storage tank and the reception tank are located in the compost facility reception hall. The heat is used for the composting plant, the biogas plant and the office rooms. The owner receives payment for electric power according to the German Renewable Energy Law (EEG).

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