



The biogas plant in Holdorf / Germany

Planning

Construction

Start-up

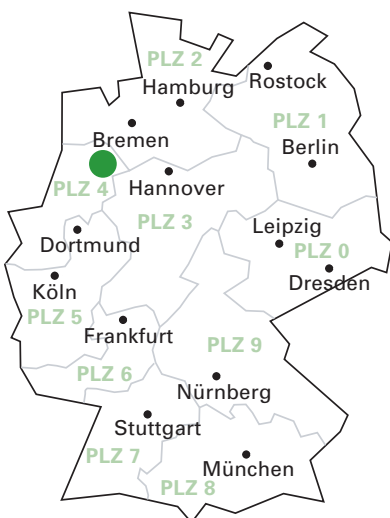
Operation

Service



← Maize silage that is used as input substance is cultivated on the owner-farmed areas.

→ In the dissolver the rotary cutter thoroughly chops the input substances into finely structured mash.



Fact sheet

Location:	Holdorf / Germany
Capacity:	500 kW_{el}
In operation since:	09/2009
Input materials:	Cattle manure, renewable raw materials
Features:	EnviTec FeedControl, dissolver

The biogas plant in Holdorf

In 2009 EnviTec built a 500 kW_{el} biogas plant for two local cooperating farmers. The plant consists of four tanks, one fermenter, two gas-tight residual-effluent storage tanks and a receiving tank for the slurry. The CHP, the mixing equipment and the electrical equipment are housed in the operations building.

The biogas plant is operated with silage from the owner-cultivated corn and the liquid manure accruing on the adjacent dairy farm.

The operation farms enough arable land to supply the biogas plant. The slurry accruing from the 320 dairy cattle including offspring is pumped out of the cowshed directly into the 3003 holding tank via a pressure pipeline.

A dissolver was installed on the plant for mixing the input substances. The dissolver replaces the mixing tank by mixing the substrate and additionally chopping it to form a homogenous pumpable mass. This process increases the gas yield so that significantly less input substances are required. In addition, EnviTec FeedControl optimizes the feed intervals and thus ensures optimal capacity utilization of the biogas plant.

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