



# The biogas plant in Bohmte / Germany

Planning

Construction

Start-up

Operation

Service



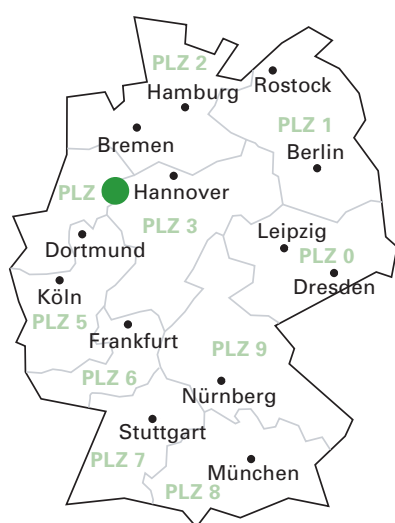
← From the push floor and vertical mixer the input substances are portioned into the mixing tank.

→ A recently built gasline supplies the sports center and the swimming pool in Bohmte with heat.



## Fact sheet

<b>Location:</b>	<b>Bohmte / Germany</b>
<b>Capacity:</b>	<b>1 x 500 kW<sub>el</sub>, 2 x 370 kW<sub>el</sub></b>
<b>In operation since:</b>	<b>11/2007</b>
<b>Input materials:</b>	<b>Manure, renewable raw materials</b>
<b>Features:</b>	<b>Use of EnviTec FeedControl, micro gas network, gas-tight residual-effluent storage tank</b>



## The biogas plant in Bohmte / Germany

The plant in Bohmte has two closed mixing tanks that prepare the input materials for the fermentation process. These two tanks can be charged in parallel. The amount of material to be added is precisely controlled and measured via weighing feet. Swine slurry is pumped from a separate receiving tank and water is pumped from a separate well, as needed. The maize silage reaches the mixing tank from the maize bunker via a push floor and a reversing worm. Grass silage and cereal grain silage / whole crop silage are prepared in a vertical mixer and then conveyed by the worm. All of the plant equipment is controlled via a central control system.

Three combined heat and power plants (CHPs) at various locations in Bohmte supply the farm, an engineering company, an agribusiness and the Bohmte sports center with heat.

What makes the Wessel-Ellermann plant so exceptional is not only its highly efficient energy recovery concept, but also an abundance of technical innovations and further developments. A capacity-regulated variable feed – for example, EnviTec FeedControl – ensures optimal capacity utilization of the CHP.

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