

Biogas Plant Bocholt

Plant Type: COCCUS Titan 3000, 3 MW_{el}



Biogas plant to feed into the electrical grid

■ Project data:

Owner and investor:	NPG Bocholt NV, Belgium
Plant engineering:	Schmack Biogas GmbH, Schwandorf, Germany
Location:	Kreyelerstraat 7, 3950 Bocholt, Belgium
Start of operation:	2014
Feature:	2-line-concept for separate anaerobic digestion of vegetable and animal input materials.

■ Energy balance:

Feed-in capacity/a:	Approx. 24 million kWh/a electric output; potential electric power requirement for approx. 5,000 households*.
	<small>*based on average consumption of a 4-person household</small>
Heat utilisation:	Hygienisation and drying of the digestate

■ Input material:

Solid and liquid organic waste, maize, slurry, manure.

■ Plant data:

Quantity	Plant component	Dimension/Capacity
2	Liquid feeder (walking floor system)	
3	Storage tank for liquid waste	2 x 1,000 m ³
1	CALIX reception pit	150 m ³
3	COCCUS digester	4,300 m ³ each
1	SULA digestate storage	4,300 m ³
1	Separation with liquid sludge container	50 m ³
1	Hygienisation	

Supplied by the customer:

2	CHP Jenbacher	1,487 kW _{el} each
1	Digestate drying	
1	Operation building	