

Bocholt / Belgium

Biogas Plant: COCCUS® Titan 3000, 3 MW_{el}



Plant to feed into the electrical grid

Project Data

Owner and investor	NPG Bocholt NV, Belgium
Plant engineering	HZI Schmack 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* *Based on average consumption of a 4-person household
Heat utilisation	Hygienisation and drying of the digestate

Input Material

Substrate mix from	Solid and liquid organic waste, maize, slurry, manure.
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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 kW _{el} each
1	SULA digestate storage	4,300 m ³
1	Separation with liquid sludge container	50 m ³
1	Hygienisation	

Supplied by the Customer

Quantity	Plant component	Dimension / Capacity
2	CHP Jenbacher	1,487 kW _{el} each
1	Digestate drying	
1	Operation building	