

Tongeren / Belgium

Biogas Plant: EUCO[®] Titan 2850, 2.85 MW_{el}



Plant to feed into the electrical grid

Project Data

Owner and investor	Biopower Tongeren NV, Belgium
Plant engineering	HZI Schmack GmbH, Schwandorf, Germany
Location	Michielenweg, 3700 Tongeren, Belgium
Start of operation	Autumn 2012

Energy Balance

Feed-in capacity/a	Approx. 23 million kWh/a electric and 25 million kWh/a thermal output; potential electric power requirement for approx. 6,000 households* as well as heat supply for approx. 1,500 households* *3-person household with 120 m ² living area incl. hot water generation
Energy efficiency	High energy efficiency (approx. 85% efficiency) through the utilisation of heat and electricity all year round

Input Material

Substrate mix from	Maize silage and glycerine
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Plant Data

Quantity	Plant component	Dimension / Capacity
2	Liquid feeder (walking floor system)	120 m ³ each
1	EUCO [®] DTS high performance fermenter	2 x 1,000 m ³
3	COCCUS [®] TSS post fermenter	3,700 m ³ each
2	CHP (Jenbacher)	1,425 kW _{el} each
3	Glycerine storage tank	100 m ³ each
2	Technical building	