

Biogas plant
Oczyszczalnia Ścieków - Wielopole
„Sądeckie Wodociągi“ Sp. z o.o.
a ltd. liability company

This biogas plant was built in the year 2007 as a addition to the existing sewage treatment plant. The idea was to use the sewage sludge to obtain biogas and then energy. The plant consists of digester which is equipped with dive in mixer. After digestion the substrates goes to the dryer. The biogas is being stored in the storage tank. Before being piped from the storage to the CHP gas engine, biogas goes to the desulphurising chamber. The total generated electric power is transmitted and sold to the public grid. The heat is used for own needs and the fertilizer goes to the composting plant.



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key data

Start of Operation	2007
Type of corporation.....	Ltd. Company
Amount of gas produced	1300 m³ per day
Investment costs	2 500 000 €

feedstock

Sewage sludge **9000 tons per year**

All of the feedstock is provided by the owners of the plant.

production data

Available area for the output of the biogas fertilizer	The whole output from the plant goes to Composting plant.
Thermal power rating of the gas engine	540 kW
Utilisation of heat	Heating of the digester, own needs
Electric power rating of the gas engine	345 kW
Generated electric energy	1 800 MWh per year
Annual delivery of electricity to the (regional) electric grid company	1 800 MWh per year
Name of the electric grid company.....	Enion S.A.

technical plant description

Digester	3000 m³
Gas storage tank	800 m³
Residence time in the digester	~ 28 days
Temperature of the anaerobic digestion (operational)	38,5 °C
Average expenditure of human labour	8 hours per day



For further Information, please contact:



Tomasz lis
Małopolska Agencja Energii
i Środowiska Sp z o.o.
Kordylewskiego 11, Kraków
t.lis@maes.pl

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