



Biomethane refinery

Arneburg, Germany

Project data

First Gas supply: May 2013
Input materials:
41,000t maize silage
16,000t whole crop silage
5,000t sugar beets
5,000t chicken dry manure
2,000t water
2,000t slurry

Technical data

Digester: 4x 4,900m³
Storage tank: 6x 5,000m³
Produktion of raw biogas: 1,650Nm³/h
(thereof 1,000Nm³/h for the processing)
processed biomethane: 700Nm³/h
Methane content (CH₄): >99%
Heat supply: Biogas boiler plant

Characteristics

An amine gas treating brings the raw biogas to natural gas quality and fed directly into the national gas grid.

The control of the entire system was specially designed by WELTEC BIOPOWER and is ideal for large industrial plants.



Gas processing



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