



Biomethane refinery

Könnern, Germany

Project data

Commissioning: September 2009
 Input materials: Maize silage
 sugar beet cuttings
 cereals
 whole crop silage
 chicken dry manure

Technical data

Pre-storage tank: 4x 500m³
 Digester: 16x 3,500m³
 Second stage digester: 4x 3,500m³
 Storage tank: 16x 4,600m³

Produktion of raw biogas: 3,300Nm³/h
 processed biomethane: 1,750Nm³/h
 Methane content (CH₄): >99%
 Kind of processing: Amin gas treating

Plant room: 4 buildings with separation, control system, substrate-, water- & heat distribution, gas compressor
 Heat supply: Boiler plant (natural and biogas) + wood pellet stoves

Characteristics

The biomethane park in Könnern is one of the world's largest facilities of its kind. The capacity of this system corresponds to a electrical capacity of 8 MW. The entire design and construction process, including approval procedures, earthworks and civil engineering, infrastructure, silo and drainage was performed or directed by WELTEC BIOPOWER.



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