



Biomethane refinery

Könnern, Germany

Project data

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

Technical data

Pre-storage tank: 4x 500m³
 Digester: 16x 3,500m³
 2nd 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

Technical building: 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. WELTEC is also the owner and operator.



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