

BIOGAS PLANT ZITTAU

CLIENT
Agratec AG

LOCATION
Zittau/Germany

START-UP
2007

PROJECT

Energy crops based biogas plant as dry digestion

INPUT

Approx. 30 000 t/a maize silage

CAPACITY

Approx. 1.5 MW_{electr.} (2 MW electr. installed)

PROCESS

Dry digestion with LARAN® plug flow reactor

INSTALLED FACILITIES

- Closed reception area with mechanised/automated reception and dosing buffer for maize silage
- Mixing and dosing buffer with reactor feeding
- 1 piece LARAN® plug flow reactor TF 1900
- Post fermentation reactor with double-membrane gasholder
- Mechanical separation with closed intermediate storage area of dewatered solids
- Biogas system with biogas cleaning, emergency flare and 2 pcs. CHP units
- Waste air capture and treatment (biofilter)

SCOPE OF WORK

Authority engineering; concept design and engineering of the whole plant; construction and delivery of the complete dry digestion reactor, supervision of commissioning

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