

# Biogas Plant Parchau

Plant Type: COCCUS 366; 366 kW<sub>el</sub>



References

Biogas plant to feed into the electrical grid and district heating network.

## ■ Project data:

Owner and Investor:	Landgut Parchau eG
Plant engineering:	Schmack Biogas GmbH, Schwandorf
Location:	39288 Burg, Freiheitsstraße, Germany
Start of operation:	December 2011

## ■ Energy balance:

Feed-in capacity/a:	Approx. 3.0 million kWh/a electric and 3.8 million kWh/a thermal output; potential electric power requirement for approx. 750 households* as well as heat supply for approx. 200 households*. <small>*3-person household with 120m<sup>2</sup> living area incl. hot water generation.</small>
Energy efficiency:	High efficiency achieved by utilisation of the heat in a district heating network and feed-in of electricity into the national grid.
Feed-in:	Energienetze Bayern GmbH

## ■ Input material:

2,500 t/a Maize, 8,000 t/a solid manure, 3,000 t/a cattle slurry, 1,700 t/a whole crop silage.

## ■ Plant data:

Quantity	Plant component	Dimension/Capacity
1	PASCO 80 feeding system	80 m <sup>3</sup>
1	SULA Substrate store	5.500 m <sup>3</sup>
1	COCCUS digester	3.000 m <sup>3</sup>
1	CHP (All-In-One module)	366 kW <sub>el</sub>