

Biogas Plant Degerndorf

Plant Type: COCCUS Farm 366 kW_{el}



Agricultural biogas plant to feed into the electrical grid.

■ Project data:

Owner and investor:	Energiehof Labertal GmbH & Co. KG
Plant engineering:	Schmack Biogas GmbH, Schwandorf, Germany
Location:	92331 Lupburg/Degerndorf, Germany
Start of operation:	September 2011

■ Energy balance:

Feed-in capacity/a:	Approx. 2.9 million kWh/a electric output; potential electric power requirement for approx. 840 households*. <small>*3-person household</small>
Energy efficiency:	High energy efficiency (approx. 80% efficiency) through the utilisation of heat and electricity all year round
Electricity utilisation:	Feed-in the public electrical grid.
Heat utilisation:	Heat from CHP is used for heating homes and wood drying.

■ Input material:

Cattle slurry, maize-, whole crop- and grassilage as well as various catch crops.

■ Plant data:

Quantity	Plant component	Dimension/Capacity
1	Silage clamp	4.500 m ²
1	PASCO feeding system	60 m ³
1	CALIX reception pit	400 m ³
1	COCCUS® TSF digester	2.000 m ³
1	CHP (ESS Vitobloc)	366 kW _{el}
1	SULA GSF final storage basin	4.000 m ³
1	Technical building	
1	Meeting/social room, weight bridge, hall	