

Biomethane Plant Lauterhofen

Plant Type: COCCUS Titan 5400G, 5.4 MW_{GAS}



Biomethane plant for gas grid injection

■ Project data:

Owner and investor:	BGA Lauterhofen GmbH & Co. KG, Germany
Plant engineering:	Schmack Biogas GmbH, Schwandorf, Germany
Location:	92283 Lauterhofen, Germany
Start of operation:	Autumn 2013

■ Energy balance:

Feed-in capacity/a:	Approx. 35 million kWh/a; potential electric power requirement for approx. 3,300 households* as well as heat supply for approx. 850 households*.
	<small>*3-person household with 120m² living area incl. hot water generation.</small>
Energy efficiency:	High energy efficiency (approx. 90% efficiency) through the utilisation of heat and electricity all year round

■ Input material:

Maize silage, whole crop silage, grass silage, sorghum.

■ Plant data:

Quantity	Plant component	Dimension/Capacity
2	PASCO feeding system with liquid feeder	100 m ³ each
2	COCCUS® TSS fermenter	3,000 m ³ each
1	COCCUS® TSS post fermenter	4,000 m ³ each
1	Low pressure swing adsorption (LPSA)	850 Nm ³ /h biogas
2	SULA GSC final storage basin	5,500 m ³ each
1	CHP (2G)	400 kW _{el}
1	TriTec-Container (Technical container)	
1	gas-burner for inertgas (RTO)	
1	Separator with liquid slurry tank	
1	Control room/meeting room, weight bridge	