

Biomethane Plant Stausebach

Plant Type: Hybrid anaerobic digestion plant, 4 MW_{GAS}



Combined Biomethane Plant: Wet and Dry AD for gas grid injection.

■ Project data:

Owner and investor:	EAM Natur GmbH, Germany
Plant engineering:	Schmack Biogas GmbH, Schwandorf, Germany
Location:	Kirchhain-Stausebach, Germany
Start of operation:	August 2014

■ Energy balance:

Feed-in capacity/a: Approx. 3 million Nm³ Biomethan; this is equivalent to the energy content of approx. 30 million kWh and the heating energy consumption of approx. 2,000 households. The biogas is produced in two plants with different processes for bio- and green waste and renewable raw material.

*3-person German household with 120m² living area inc. hot water generation.

Feed-in gas grid:	Erdgasnetz EnergieNetz Mitte GmbH, Germany
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■ Input material:

Dry AD: approx. 30.000 t/a organic waste

Wet AD: approx. 15.000 t/a energy crops

■ Plant data:

Quantity	Plant component	Dimension/Capacity
1	Silage clamp	3
1	PASCO 80 CST	80 m ³
1	CALIX 50 MD TS reception pit	50 m ³
1	COCCUS CCB 4000	4,000 m ³
1	SULA BCE 5500	5500 m ³
1	Separation	
8	Dry Anaerobic digester	1,000 m ³
1	SULA AHE 2000	2,000 m ³
1	COCCUS DBC 800	800 m ³
1	Mixing area	
1	Composting box	
1	Composting System	