

Fulda / Germany

2-in-1: Combined Wet and Dry Anaerobic Digestion Plant



Biogas from combined wet and dry anaerobic digestion plant for gas upgrading

Project Data

Owner and investor	Biothan GmbH
Plant engineering	HZI Schmack GmbH, Germany (wet AD); HZI AG, Switzerland (dry AD)
Location	Auf dem Finkenberg, 36137 Großenlüder, Germany
Start of operation	2012 (wet AD) 2013 (dry AD)

Plant Type

Wet AD plant	COCCUS® Titan 3000G, 3 MW _{GAS}
Dry AD plant	KOMPOGAS® PF1300
Input material	Organic waste (food return, Porky Power, fat and grease separator, berry marc, draff, old bread, slurry)

Substrate Input

Wet AD plant	approx. 32,000 t/y
Dry AD plant	approx. 30,000 t/y

Data Wet AD

Quantity	Plant component	Dimension/Capacity
2	CALIX reception pit	450 m ³ each
1	CALIX reception pit	550 m ³
2	COCCUS® TSS fermenter	2,400 m ³ each
1	SULA GSI final storage basin	5,500 m ³
3	SULA GSC final storage basin	5,000 m ³ each
	Pipeline construction above-ground	