

Specification of the plant:**Biogas plant Rugen**

Operator of the plant:

Andreas Rugen

Designer and manufacturer of the plant:

MT-ENERGIE GmbH & Co. KG
 Vor dem Seemoor 1
 27404 Rockstedt / Germany
 Exclusive feeding with maize silage

Commissioning:

2 January 2004 with 300 kW
 In autumn 2005, extension to 500 kW

Technical data:

Direct solid feed:		Screw conveyor system for feeding the biogas plant with solids
Fermenter 1:	D = 16 m h = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 1,206 m ³ gross
Fermenter 2:	D = 16 m h = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 1,206 m ³ gross
Secondary fermenter:	D = 23 m h = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 2,493 m ³ gross
Residue storage tank:	D = 28 m H = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 3,645 m ³ gross
CHP:	P = 550 kW _{el}	Electric usable power
Achieved daily production:	W = 500 kW _{el}	Average power yield on an annual average for feeding the supply net