Specification of the plant: BRAHA

Designer and manufacturer of the plant: MT-ENERGIE GmbH & Co. KG
Vor dem Seemoor 1
27404 Rockstedt / Germany

Commissioning: 02. September 2005

Project: BRAHA Bioenergie GbR – Area of Zeven – 2 farmers

Operation: 200 ha LN
Rearing of livestock was terminated on 1 October 2005
Own plant cultivation for energy production plus contractual cultivation

Biogas plant: 500 kW_{el} power
two-stage plant with gas-tight storage container
100% of the gas yield through input of plants
Feeding with 90% maize silage and 10% grass silage
Heating September 2005

Technical data:

Direct solid feed:		Screw conveyor system for feeding the biogas plant with solids
Fermenter:	Ø = 23 m H = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 2,493 m³ gross
Secondary fermenter:	Ø = 23 m H = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 2,493 m³ gross
Residue storage tank:	Ø = 25 m H = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 2,945 m³ gross
CHP:	P = 500 kW_{el} P = 1288 kW_{FWL} V = 194 m^3/Bh T = 470°C	Electric usable power Thermal heat output Consumption of biogas Temperature of the flue gas Manufacturer: SEVA Dual fuel engine
Achieved daily production:	W = 480 kW_{el}	Average power yield of the first semester