

Specification of the plant:**Bad Königshofen**

Designer and manufacturer of the plant:

MT-ENERGIE GmbH & Co. KG
Vor dem Seemoor 1
27404 Rockstedt / Germany

Commissioning:

June 2006

Project:

Bioenergie Bad Königshofen

Operation:Joint plant
Production on own surfaces
Cooperation with "Agrokraft GmbH"**Biogas plant:**625 kW_{el} power
two-stage plant with gas-tight storage container
100% of the gas yield through input of plants
Since June 2006 feeding with 100% maize silage
Complete sales of the heat to a board of trustees**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 m ³ gross
Secondary fermenter:	Ø = 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:	Ø = 28 m H = 6 m	Reinforced steel container with air supported foil covering with gas collector; usable volume: 3,695 m ³ gross
CHP:	P = 625 kW _{el} P = 1572 kW _{FWL} V = 314 Nm ³ /h T = 450°C	Electric usable power Thermal heat output Consumption of biogas Temperature of the flue gas Manufacturer: Jennbacher Otto gas motor
Achieved daily production:	W = 600 kW _{el}	Yield from the first complete month