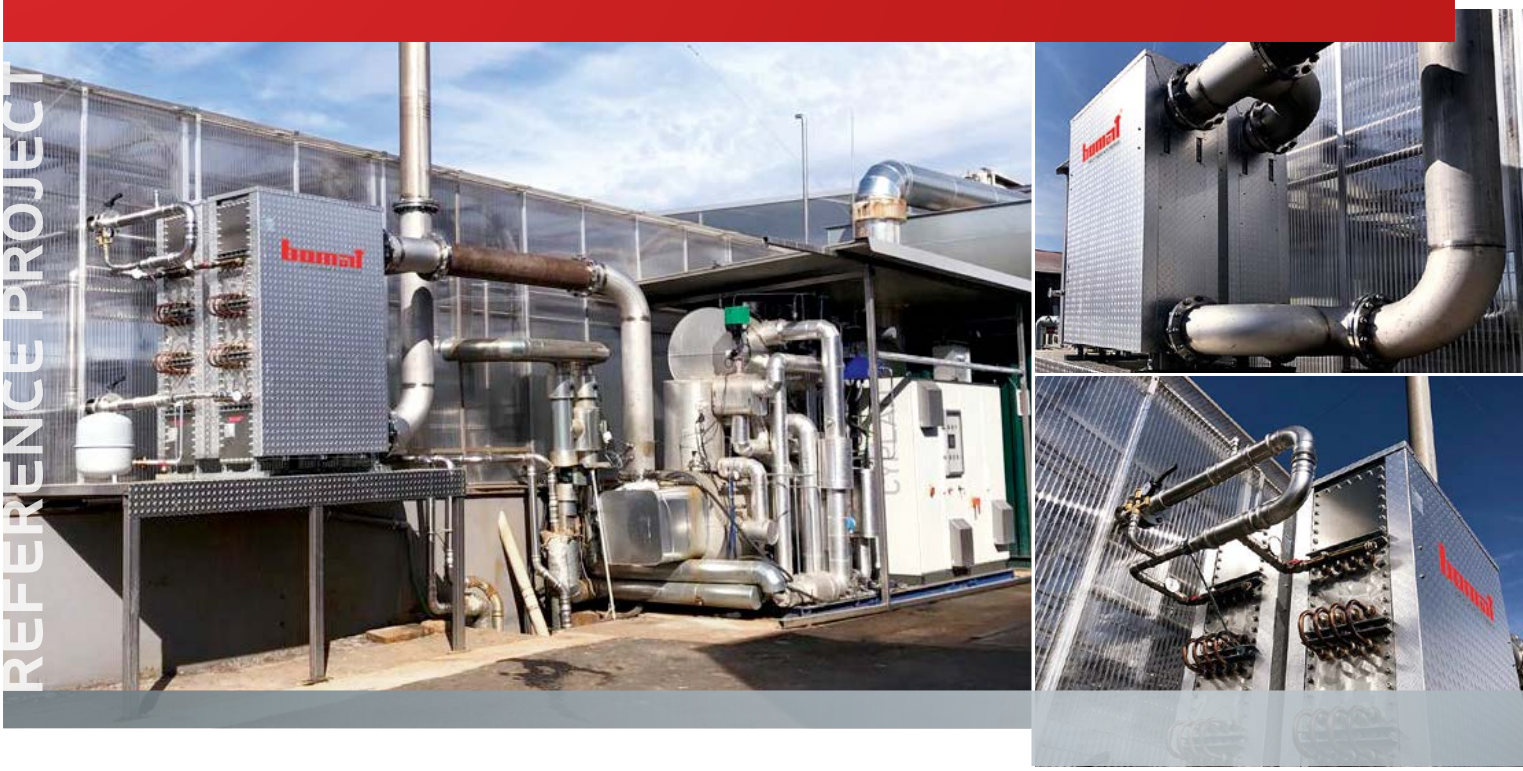
BIOGAS/SEWER GAS

BIOGAS CHP UNIT UTILISING CONDENSING TECHNOLOGY

REFERENCE PROJECT



AGRO ENERGIE HOHENLOHE GMBH & CO. KG

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The cascade of two Bomat 03-KK-1064-MT-4-9-6 condensing exhaust gas heat exchangers from the modular Profitherm series is installed on the exhaust gas side downstream of an ORC system. The heat recovered is supplied to the heating network on the water side via the return from the drying plant to raise the return temperature.

Heat source:	MAN biogas motor E 3262 LE 212 - 530 kW
Fuel:	○ Fuel oil ○ Natural gas ○ Sewer gas ● Biogas
Exhaust gas heat exchanger:	Cascade of two 03-KK-1064-MT-4-9-6 units (year of manufacture: 2020)
Exhaust gas temperature:	approx. 210°C (upstream of HE) ➔ approx. 65°C (downstream of HE)
Coolant temperature:	approx. 40°C (upstream of HE) ➔ approx. 50°C (downstream of HE)
Heat recovery per year:	approx. 680,000 kWh
CO_2 reduction per year:	approx. 136,000 kg

➔ Estimated payback period **less than 3 YEARS.**

MADE IN GERMANY

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