## INDUSTRY



## WASTE HEAT RECOVERY FROM FURNACE SYSTEM



## FELDER GMBH BRAZING AND SOLDERING

Im Lipperfeld 11, 46047 Oberhausen, Germany

Exhaust gas generated by two metal-melting furnaces is fed into a Bomat O2-GG-1O32-MT-4-9-3 exhaust gas heat exchanger via an exhaust gas fan. The heat contained therein is then supplied to the heating system via a 5000 litre buffer cylinder.

Heat generator:	2 metal-melting furnaces each with 235 kW
Fuel:	• Fuel oil • Natural gas • Sewer gas • Biogas
Exhaust gas heat exchanger:	02-GG-1032-MT-4-9-3 (year of manufacture: 2014)
Exhaust gas temperature:	approx. 180 °C (upstream of HE) � approx. 75 °C (downstream of HE)
Coolant temperature:	approx. 40 °C (upstream of HE) <b>⊘</b> approx. 50 °C (downstream of HE)
Heat recovery per year:	approx. 150,000 kWh
CO <sub>2</sub> reduction per year:	approx. 30,000 kg
Plant manufacturer:	Alfing GmbH, Gildestraße 31, 49477 Ibbenbüren, Germany

Sestimated payback period less than 3 YEARS.



## BOMAT Energiesysteme GmbH \_

Zum Degenhardt 49	T +49(0)7551.809970	info@bomat.de
88662 Überlingen	F +49(0)7551.809971	www.bomat.de