

WASTE HEAT RECOVERY FROM FURNACE SYSTEM

REFERENCE PROJECT



FELDER
seit 1979
LÖTECHNIK

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-1032-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:** O2-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) ➔ approx. 50 °C (downstream of HE)
- Heat recovery per year:** approx. 150,000 kWh
- CO₂ reduction per year:** approx. 30,000 kg
- Plant manufacturer:** Alfing GmbH, Gildestraße 31, 49477 Ibbenbüren, Germany

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



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