

## INDUSTRY

# UTILISING WASTE HEAT FROM INDUSTRIAL PROCESS IN ALUMINIUM FOUNDRY



REFERENCE PROJECT

## WUTAL ALUMINIUMGUSS GMBH

Im Sulzfeld 1, 79780 Stühlingen, Germany

The exhaust gas generated in the aluminium casting process is fed to two BOMAT exhaust gas heat exchangers via two exhaust gas fans. The thermal energy contained therein is supplied to the heating system via a large buffer cylinder.

<b>Heat generator:</b>	Aluminium melting process
<b>Fuel:</b>	<input type="radio"/> Fuel oil <input checked="" type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
<b>Exhaust gas heat exchangers:</b>	2 x 07-GG-1046-NT-4-K-3 (year of manufacture: 2006)
<b>Heat recovery per year:</b>	approx. 400,000 kWh (for both plants)
<b>CO<sub>2</sub> reduction per year:</b>	approx. 80,000 kg (for both plants)
<b>Plant manufacturer:</b>	Bruno Böhler GmbH, 79780 Stühlingen, Germany

➔ **Payback period less than 5 YEARS.**



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