

## INDUSTRY

## UTILISING WASTE HEAT FROM GALVANIZING

**PUK-WERKE KG FACTORY SCHÖNECKEN**

Industriestraße 1, 54614 Schönecken, Germany

The waste heat from oil fired galvanizing furnaces is used to heat the water for the degreasing bath. The exhaust gas temperature is cooled from 320 °C down to 80 °C. The water in the degreasing bath is heated from 55 °C up to 70 °C. Two exhaust gas heat exchangers with integral fans are used.

<b>Heat generator:</b>	Galvanizing furnace
<b>Fuel:</b>	<input checked="" type="radio"/> Fuel oil <input type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
<b>Exhaust gas heat exchangers:</b>	2 x 05-GG-1024-MT-4-9-3 (year of manufacture: 2005 and 2009)
<b>Heat recovery per year:</b>	approx. 400,000 kWh (for both plants)
<b>CO<sub>2</sub> reduction per year:</b>	approx. 104,000 kg (for both plants)
<b>Plant manufacturer:</b>	Krämer GmbH, St. Vither Straße 83, 54595 Prüm, Germany

➔ Payback period **less than 3 YEARS.**

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