INDUSTRY

UTILISING WASTE HEAT FROM AN ASPHALT MIXING PLANT

REFERENCE PROJECT

THANNHAUSER ASPHALT GMBH & CO. KG

Hauptstraße 32, 86742 Fremdingen, Germany

A Bomat 02-GG-1064-MT-4-9-3 is installed in the bypass on the exhaust gas side. A fan is used to route the exhaust gas from the chimney at the asphalt mixing plant to the Bomat exhaust gas heat exchanger. The thermal energy it contains is supplied to the underfloor heating system to preheat the mix.

Heat generator:	Asphalt mixing plant
Fuel:	○ Fuel oil ● Natural gas ○ Sewer gas ○ Biogas
Exhaust gas heat exchanger:	02-GG-1064-MT-4-9-3 (year of manufacture: 2015)
Exhaust gas temperature:	approx. 110 °C (upstream of HE) ➔ approx. 45 °C (downstream of HE)
Coolant temperature:	approx. 25 °C (upstream of HE) ➔ approx. 35 °C (downstream of HE)
Heat recovery per year:	approx. 80,000 kWh
CO_2 reduction per year:	approx. 40,000 kg
Plant manufacturer:	FRANK Energie- und Gebäudetechnik, Emil-Eigner-Str. 7, 86720 Nördlingen, Germany

➔ Estimated payback period **less than 4 YEARS.**

MADE IN GERMANY

BOMAT Energiesysteme GmbH

Zum Degenhardt 49 T +49 (0) 7551.80 99 70 info@bomat.de
88662 Überlingen F +49 (0) 7551.80 99 71 www.bomat.de