

HEATING

FLUE AND EXHAUST GAS HEAT
FOR OUTDOOR SWIMMING POOL

REFERENCE PROJECT

**RIFFELALP RESORT HOTEL 2,222 M**

3920 Zermatt (Switzerland)

To meet the annual demand for heat required by the outdoor swimming pool by means of alternative technologies, not only is the waste heat from two new small CHP units used, but also in particular the potential heat recovery from the hotel's existing ventilation and heating systems. Retrofitting the central 550kW oil boiler with a BOMAT O6-GG-1024-NT-4-K-3 flue gas heat exchanger alone, provided 90,000 kWh.

Heat generator:	Oil boiler (550 kW)
Fuel:	<input checked="" type="radio"/> Fuel oil <input type="radio"/> Natural gas <input type="radio"/> Sewer gas <input type="radio"/> Biogas
Flue gas heat exchanger:	O6-GG-1024-NT-4-K-3 (year of manufacture: 2003)
Heat recovery per year:	approx. 90,000 kWh
CO₂ reduction per year:	approx. 23,400 kg
Plant manufacturer:	Christoph Brantschen AG, Vispastrasse 38, 3920 Zermatt (Switzerland)

➔ Payback period **less than 5 YEARS.****BOMAT Heiztechnik GmbH**Zum Degenhardt 49
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