

BERTSCHenergy

Power Plants
Process Equipment

95
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Käserei Champignon / DE

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925.

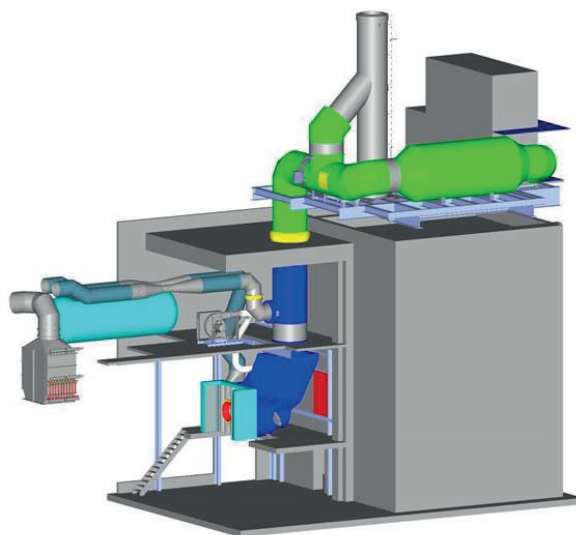
» Extension of the existing energy supply plant by adding a gas turbine and adoption of the existing steam boiler.«

Combined heat and power generation with 90% efficiency

In 2001 BERTSCHenergy supplied a directly fired boiler for the production of steam, which is converted into electricity in a steam turbine. In order to increase own electricity production, a gas turbine with an electrical output of 1.8 MW was installed upstream of the boiler.

The new combined cycle power plant with steam- and gas turbine increases the share of own electricity from 30 % to 75 %, the steam goes into the production process as heat.

BERTSCHenergy carried out all necessary modifications to the boiler plant and the integration of the gas turbine, which is located on the roof.



TECHNICAL DATA

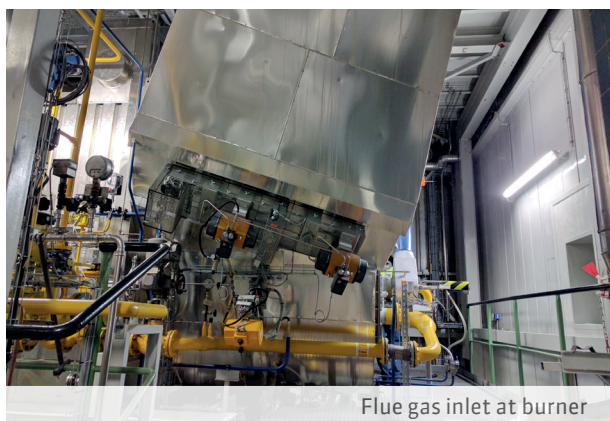
» Electrical power gas turbine	1.8 MW
» Steam flow (MCR)	32 t/h
» Steam pressure	41 bar (a)
» Steam temperature	420° C

SCOPE OF SUPPLY

» Exhaust sytem with bypass
» Boiler modification for gas turbine operation
» Control system and electrical engineering



Gas turbine duct burner



Flue gas inlet at burner



Gas + oil burner