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BERTSCHenergy

Power plants
Process equipment

90 YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

UPM Schongau

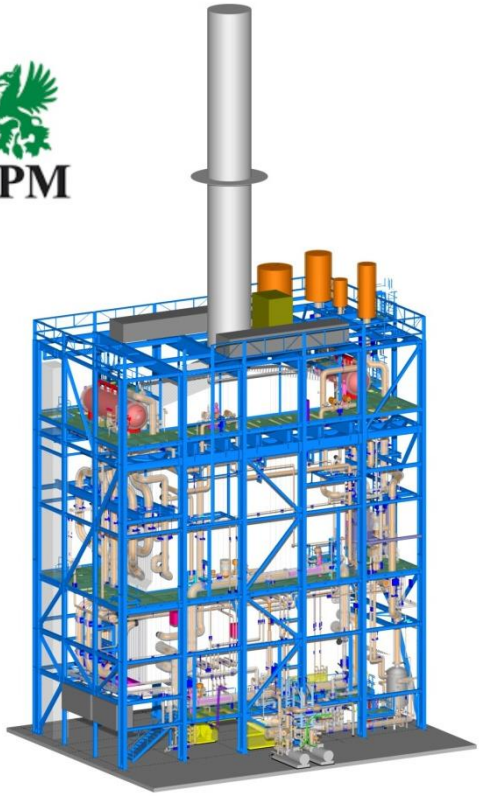
Reference Sheet

BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

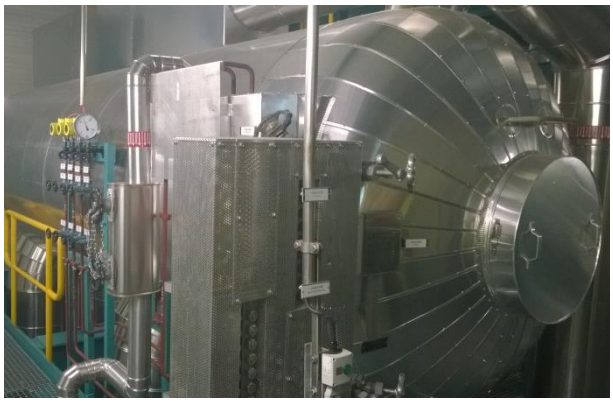
»HRSG (Heat Recovery Steam Generator) downstream a SGT-800 (47 MWel) gas turbine – Commissioning 1st quarter 2016«

The double pressure heat recovery steam generator with an additional low temperature extraction serves the steam supply of the paper mill in Schongau.
With special respect to energy balancing and peak load reserves the HRSG was designed for fast ramp up of the gas turbine. The intense secondary firing is not only increasing the maximum steam output but serves also to increase the load range of electrical output of the combined cycle process. To combine highest flexibility with maximum heat recovery and highest reliability was the design target of this project.



TECHNICAL DATA

» MCR (HP)	120 t/h
» S.H. steam pressure (HP)	77 bar (a)
» S.H. steam temperature (HP)	525 °C
» MCR (LP)	12 t/h
» S.H. steam pressure (LP)	5 bar (a)
» S.H. steam temperature (LP)	saturated steam
» Flue gas flow	120 kg/s
» GT outlet temperature	550 °C
» Additional firing	44 MW
» Fuel	natural gas



SCOPE OF SUPPLY

- » Boiler
- » Firing system
- » Feed water system
- » Facade and HVAC-systems for boiler house