UPM Schongau
Reference Sheet
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**

- Steam flow (HP, MCR): 120 t/h
- Steam pressure (HP): 77 bar(a)
- Steam temperature (HP): 525°C
- Steam flow (LP, MCR): 12 t/h
- Steam pressure (LP): 5 bar(a)
- 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-system for boiler house