

NEW HEAT RECOVERY STEAM GENERATORS FOR LINZ-MITE, AUSTRIA

UNIS Power has supplied two Heat recovery steam generators for the municipal heating plant Linz-Mitte in Linz, Austria.

The HRSGs have incorporated specific technical features based on close co-operation with Linz Storm AG end client staff. Thus we were able to respect different client's specific design preferences in such areas as drum internals, pipe connecting system or standby drying provisions. On top we had to comply with very stringent noise and environmental requirements of the local authority. The HRSGs are supplied with extended cold-end noise silencers and SCR unit for secondary NO_x reduction.

The project was executed in two separate phases. The tailor-made design has been fully proven within initial plant operation and for the second phase the end client strictly insisted upon identical solution no respect to different EPC partners for each phase.

The HRSGs are utilizing heat out of GE 6FA gas turbine flue gases. Due to limited area at the site the boiler bundles have been supplied in completely pre-erected large modules or "half" modules (so called O-pieces or C-pieces) as per maximum transportable dimensions and weight.

The design has been prepared strictly respecting German DIN standards and VGB-Richtlinien norms.



Client

First phase: VA-TECH Hydro

Second phase: Kraftanlagen München

Year of Completion

2004 / 2010

Boiler data

- 109 / 20,5 t/h
- 94 / 6 bar(a)
- 543 / 205 °C
- double pressure with district heating circuit
- vertical design

UNIS Power scope of work

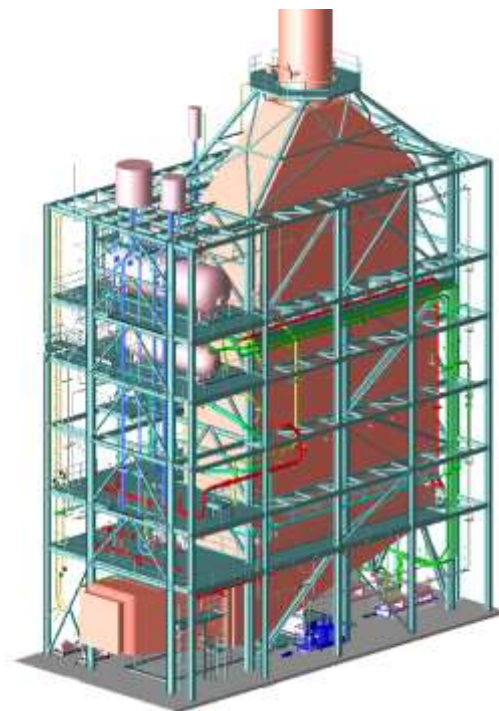
Design, manufacturing, site delivery, erection and commissioning of two HRSGs including integrated building steel structure, feed water system, chemical dosing equipment, field instrumentation etc.

Gas turbine

GE 6FA



Boiler house in-view



3D model of HRSG