

NEW HEAT RECOVERY STEAM GENERATORS FOR VOLOGDA, RUSSIA

UNIS Power has supplied Heat recovery steam generator for TEC-6 Vologodskaya located in Vologda, Russia. Vologodskaya TEC belongs to TGK-2 group. The project has been executed together with Russian company Intertechelektro who served as an EPC contractor.

The HRSG is of horizontal design with supporting structure integrated into a self-standing boiler modules filled by rows of heat surface "harps". The installation is of double pressure system with integrated deaerator loop into LP drum. The HRSG is installed behind GE-6FA gas turbine.

In order to allow maximum boiler prefabrication, transport logistics has been carefully investigated and based on that complete "half-modules" (so called C-pieces) has been supplied to the site. All together ten half-modules has been then installed to its final position by special in-house heavy crane.

All the equipment has been supplied in full compliance with local GOST standards and norms.



Client

Intertechelektro

Year of Completion

2012

Boiler data

- 108 / 21 t/h
- 93 / 6 bar(a)
- 545 / 227 °C
- double pressure with integrated deaerator
- horizontal design

UNIS Power scope of work

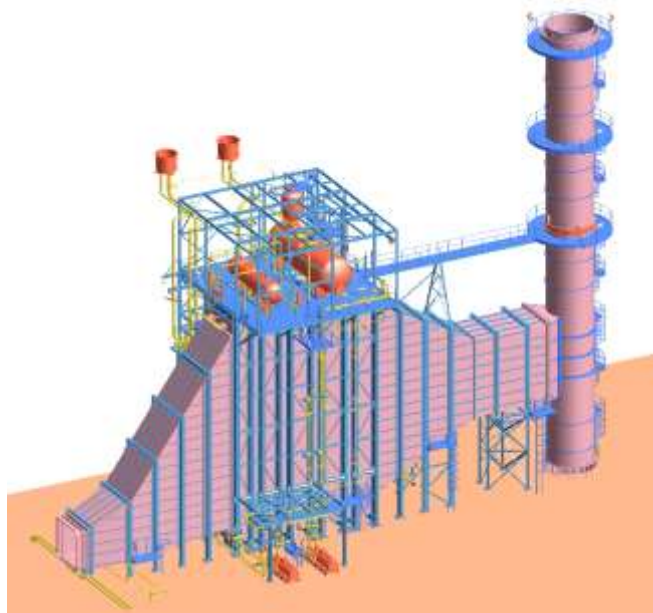
Design, manufacturing, site delivery including advisory services within erection and commissioning of one HRSG including feed water system, chemical dosing equipment, field instrumentation etc.

Gas turbine

GE 6FA



Heating plant view



3D model of HRSG