NEW HEAT RECOVERY STEAM GENERATORS FOR MOSCOW, RUSSIA

UNIS Power has supplied in total four Heat recovery steam generators part of a new combined cycle for TES Mezhdunarodnaya in Moscow, Russia. The green field installation has been supplied in two steps. The first phase was handed over into commercial operation in 2002 while second one in 2007. It is never better reference when a client is choosing the same equipment after some years of satisfactory operation. The first two HRSGs have been contracted by Siemens Industrial Turbomachinery EPC contractor, the other two by end client branch office directly.

The combined cycle plant installation is part of a new Moscow district investment. The owner of the power plant is CityEnergo.

The HRSGs are of a standard vertical design installation. Top-supported modules of heat surface bundles integrated with fully gas tight duct system with internal insulation are hanged into robust steel structure and connected with HP and LP steam drum into double pressure steam generating system utilising heat out of flue gases leaving SGT-800 gas turbine.

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

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Client

First phase: Siemens Industrial Turbomachinery

Second phase: Comfitrade SA

Year of Completion

2002 / 2007

Boiler data

- 58 / 15 t/h
- 81 / 7 bar(a)
- 511 / 212 °C
- double pressure
- vertical design

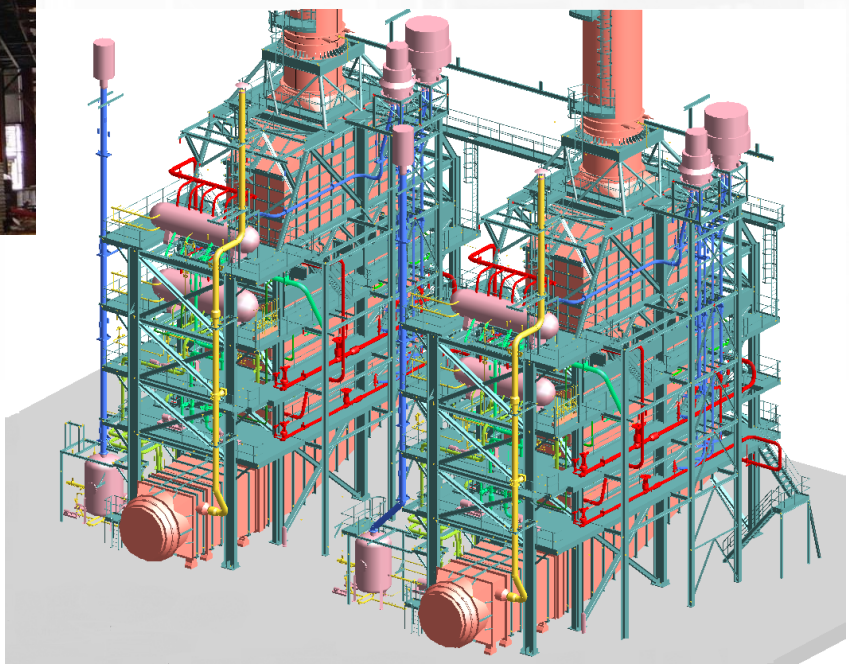
UNIS Power scope of work

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

Gas turbine

SGT800

HRSG view



3D model of HRSG island

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