

COMBINED CYCLE POWER PLANT

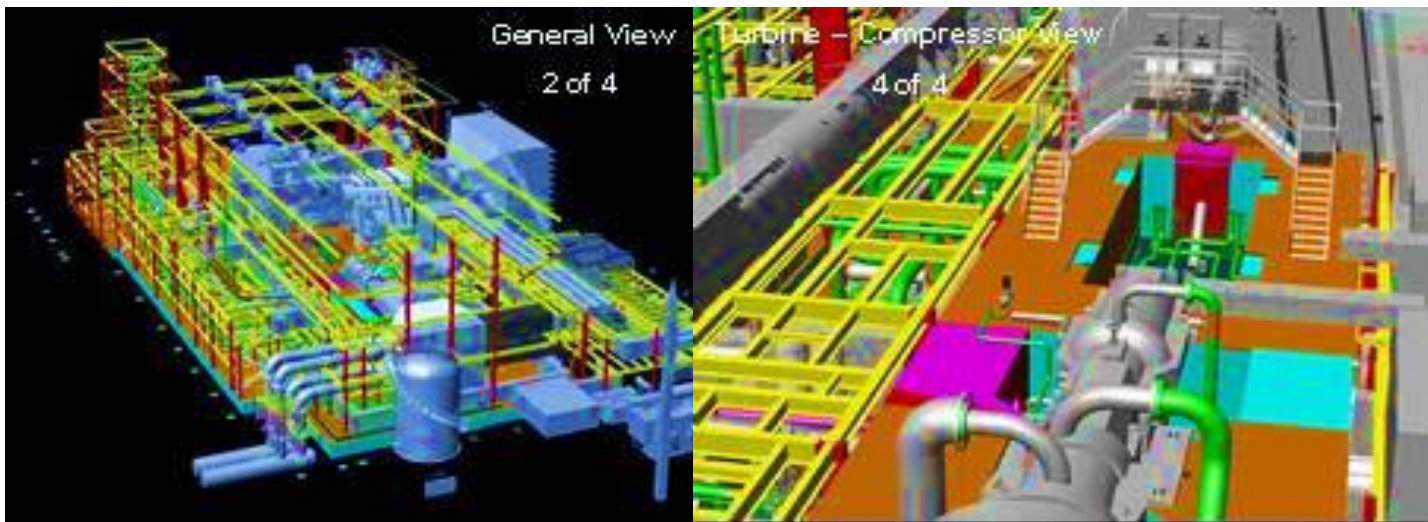
Piping systems for the Combined Cycle Power Plant Agios Nikolaos CCPP

Client: EMPRESARIOS AGRUPADOS

Location: Greece

Scope: DI

Disciplines involved: Structural, Civil, Mechanical and Electrical engineering.



Description: Development of detailed engineering related to the piping and structural engineering of a mono-axis combined cycle islanding with Turbines General Electric model 109FB to produce 2x400 MW for the combined cycle thermo central power plant AGIOS NIKOLAOS in Greece.

The scope of works included a 3D model in PDS / Smart plan review, Islanding of Civil Works, Steel structures, either main and auxiliary, equipment, piping systems and tubing, including supports, valves, thermal isolation, ventilation conduits and all modeling components appropriate for the proper development of detailed engineering and interference resolutions. A thermo-analysis was performed, free of flexibility piping analysis to those power lines with routing affected by modifications with respect to the standard model.

