

COMBINED CYCLE POWER PLANT

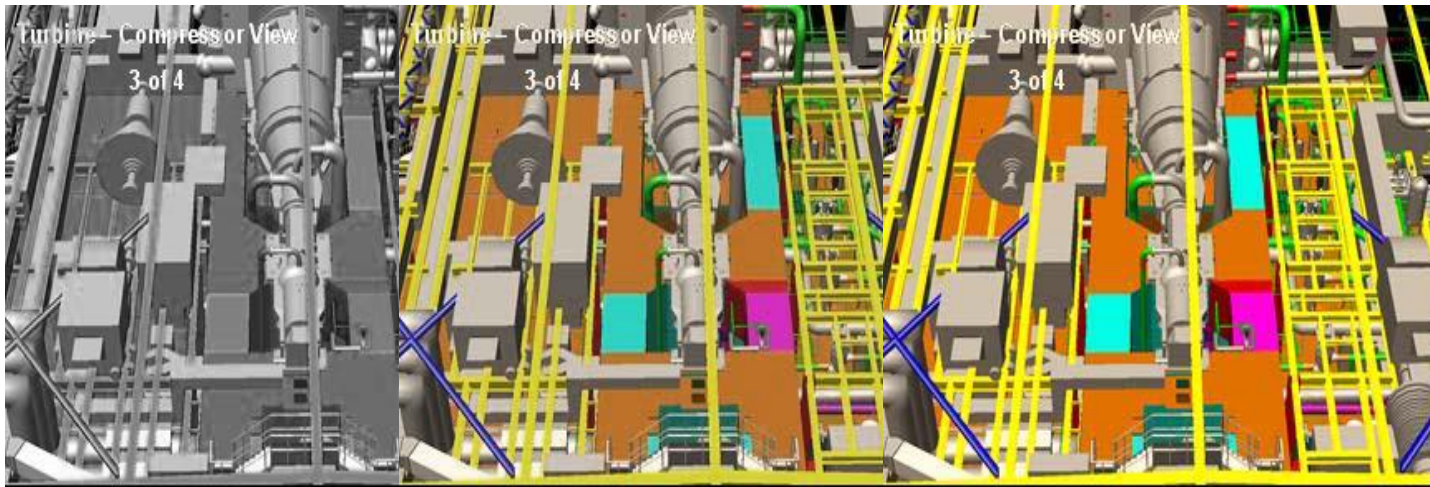
Combined Cycle Power Plant THIVA CCPP

Client: EMPRESARIOS AGRUPADOS

Location: Greece

Scope: ID

Disciplines involved: Structural, Piping and Electrical Engineering



Description: Islanding of Combined Cycle Power Plant THIVA CCPP.

The scope of work comprised the development of detailed engineering related to the piping and structure engineering disciplines regarding the Islanding of a combined mono-axis cycle power plant with General Electric, model 109FB to produce 2x400 MW for the Combined cycle Thermo central THIVA in Greece.

The scope of work comprised a 3D model in PDS / Smart plan review, Islanding of Civil works, steel structures, both main and auxiliary, equipment, piping systems and process tubing, including supports, valves, thermal isolation, ventilation conduits and all components appropriate for the proper development of detailed engineering and interference resolution. A thermo analysis was performed, free of piping flexibility analysis and those power lines with routing having modifications with respect to the standard model.

