

# COMBINED CYCLE POWER PLANTS

## Combined Cycle Power Plant Port de Barcelona

**Client:** EMPRESARIOS AGRUPADOS

**Location:** Spain

**Disciplines involved:** Structural, Piping and Electrical engineering

**Scope:** ID



### Description:

Islanding of the Combined cycle central Port de Barcelona CCPP.

The scope of work of this Project included 3D design by using PDS tools of the auxiliary systems related to the islanding systems and out of it, the combined cycle unit which comprised a setting type 2x109FB (mono-axis) with a power of 2 x 400 MW approx. by using gas turbines type 9FB, steam turbine, alternators, heat recovery steam generator (HRSG) and a distributed control system (GE-DCS), supplied by General Electric (GE).

Detailed engineering was based on the 109FB Standard Plant of GE.

