



COMBINED CYCLES

EMPALME II

LOCATION ▶ Empalme. Sonora State (Mexico)

CUSTOMER ▶ Federal Electricity Commission (CFE)

PROJECT SCOPE:

Design, engineering, supply of equipment, construction, installation and start-up by a consortium of the 791 MW Central Empalme II plant

AMOUNT ▶ EUR 350 million (ENO 50%)

START DATE ▶ november 2015

FINISH DATE ▶ april 2018

CHARACTERISTICS:

- ▶ Power output: 791.167 MW
- ▶ Heat rate: 6,000 kJ/kWh
- ▶ 2 x 255.7 MW Siemens SGT6-8000H turbines
- ▶ 296.4 MW steam turbine
- ▶ 2 heat recovery boilers with 3 pressure levels
- ▶ One-through seawater condenser
- ▶ 2 service water and fire prevention and control water tanks, each with a capacity of 1,100 m³
- ▶ Demineralised water tank, 1,500 m³
- ▶ Distilled water tank, 1,000 m³
- ▶ Water treatment plant (evaporation unit, demineralisation unit, hypochlorite generator system, water purification unit)
- ▶ Wastewater treatment plant
- ▶ Underwater discharge piping



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