

Topolobampo II, Mexico

800 MW



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100% Mexican-made John Cockerill HRSGs for highest efficiency

Project Description

In April 2016, Mexico's state company CFE awarded Iberdrola Generación México S.A. de C.V a contract for the design, assembly, testing, commissioning, operation and maintenance of the thermo electric plant of Topolobampo II (Mexico). Then Iberdrola S.A. awarded Mitsubishi Hitachi Power Systems America a contract to supply two 501J gas turbines and a steam turbine and awarded John Cockerill an order for the design and supply of 2 Heat Recovery Steam Generators triple pressure + reheat. The required natural gas will be supplied through the El Encino-Topolobampo section of Mexico's north-northwest pipeline system.

The Contract

John Cockerill designed and supplied 2 vertical HRSGs to be associated to class J gas turbines. John Cockerill supervises the assembly and the commissioning of the equipment. John Cockerill Energy Mexico, the Mexican workshop of John Cockerill Energy, based in Monterrey, has manufactured the pressure parts for these John Cockerill boilers.

Plant Operation

Topolobampo II is designed for base load.

Gas Turbines

- 2 M501J gas turbines
- Fuel: natural gas

Heat Recovery Steam Generator

- 2 horizontal John Cockerill HRSGs
- Triple pressure + reheat
- Natural circulation

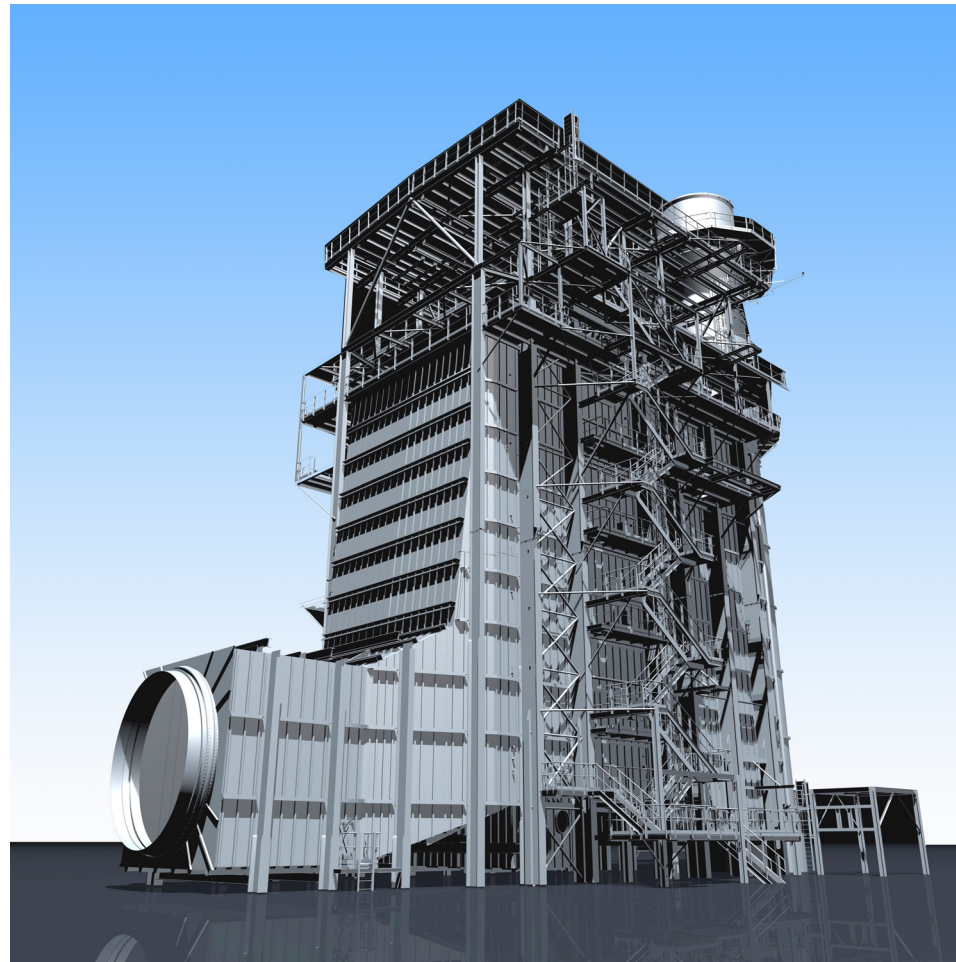
Performances

STEAM	°C	BarA	t/h
HP	602	160	331
IP	341	42	83
LP	253	7	25
Reheat	602	37	328

Schedule

- Contract Award
- Start (first) boiler erection
- Full Commercial Operation

May 2016
July 2017
January 2019



CMI becomes John Cockerill