

Topolobampo II, Mexico

**800 MW**



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# Topolobampo II, Mexico | 800 MW

100% Mexican-made John Cockerill HRSGs for highest efficiency

## Context of the Project

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 horizontal 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 based in Monterrey, manufactured the pressure parts for these boilers.

## Plant Operation

Topolobampo II is designed for base load.

## Gas Turbines

- 2 x M501J
- Fuel: natural gas

## Heat Recovery Steam Generators

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

## Performances

Steam	°C	barA	t/h
HP	602	160	331
IP	341	42	83
LP	253	7	25
Reheat	602	37	329

## Schedule

- Contract award May 2016
- Start (first) boiler erection July 2017
- Full commercial operation January 2019



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