



Case Study
INDUSTRIAL

Location
Egypt

End User
Ministry of Electricity - East Delta Electricity
Production Company

EPC/CONTRACTOR
N.V. Besix/ORASCOM Construction Industries JV

Year
2010

Project

El Ain El Sokhna Supercritical Thermal Power Plant

Al Ain El Sokhna power project is designed to include a 2x650 MW steam thermal power plant to interconnect with the National Unified Power System (NUPS) through a new 500 KV GIS switchyard.

What We Delivered



DIAMETER

100 up to
3000mm



PRESSURE

Gravity,
16 & 12,3.5



Length

10,654 meter



JOINTS

Double Bell
Coupling



DELIVERING

Cooling/Plant
Piping

The power plant will incorporate a direct cooling system using water abstracted from the Suez Gulf.

The abstracted water will also be used, following pre-treatment demineralization and desalination, to provide process water make-up in the boiler system.

FPI Scope includes pipe design and fabrications for several lines in and between the plant and the sea, e.g. for seawater intake and outfall, cooling water system, desalinated water, potable water, chlorine water and wastewater, in addition to installation supervision.



Egypt's first supercritical thermal power plant.

Demand for electricity has been growing steadily at an average rate of 6% -7% per year during the last decade. The demand is primarily driven by population and economic growths, and increased urbanization



Gallery



Need
More Info?

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