

Petro-Rabigh IWSP Phase 2

KINGDOM OF SAUDI ARABIA
Rabigh, Western Saudi Arabia



Situated 160km north of Jeddah, the Rabigh Independent Water Steam Power Producer (IWSP) was established to produce and supply utilities to the Rabigh Refining and Petro Chemical Company (Petro Rabigh). The plant was designed to operate fully loaded at the contracted capacity throughout the year, ensuring ease of operation, producing utilities in an economically sustainable manner, and minimizing life cycle cost.

Due to increased demand, the IWSP was expanded in 2016, adding a second phase to the project and bringing the total installed capacity to 840MW of power, 6,110 t/h of steam and 12,000 t/h of water.

The second phase of Petro Rabigh is meant to further diversify product offer by adding petrochemical derivatives and promoting downstream investment and development.

With the expansion of Phase 2, the backup power supply capacity of the integrated plant has been enhanced and the holding time of desalinated water tanks has been increased, resulting in an evident increase in the reliability of utilities supply.

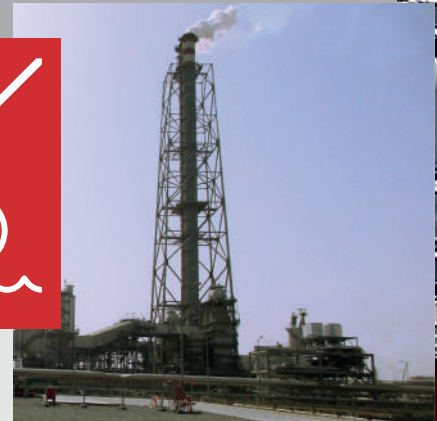
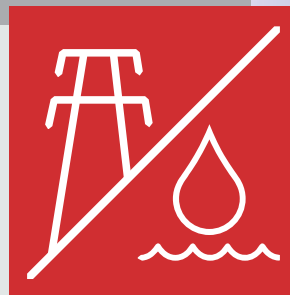
The integrated facilities consist of 7 steam turbines, 13 steam generators with 5 wet limestone Flue Gas Desulfurizers and 24 Reverse Osmosis trains.

TECHNO-COMMERCIAL

Offtaker	Rabigh Refining and Petrochemical Company (Petro Rabigh)
Offtake Contract	WECA-BOO 25 years
Power	160 MW
Desalinated Water	54,000 m ³ /day
Steam Capacity	1,015 t/h
Project Cost	USD 984 Mn
COD	Q1 2018
ACWA Power Effective Stake	37%

STAKEHOLDERS

Other Investors	Marubeni, JGC Corporation, Petro Rabigh
EPC	MHI
O&M	Rabigh Power Company (RPC)



160 MW 

 **1,015 t/h**

54,000 m³/day 

ACWA POWER
أكوا باور





Acwa POWER
كوا باور

**Petro-Rabigh IWSP
Phase 2**