

This project is the first independent water and power project (IWPP) in the Kingdom of Saudi Arabia, and is currently the largest desalination plant in the world with a capacity of 1,030,000 m<sup>3</sup>/day after adding the expansion. The project delivers water and electricity to cities including Makkah, Jeddah, Taif and Al Baha, and plays a critical role during the months of Ramadan and Hajj to ensure continuous and reliable water supply to the Makkah Mukarramah region, which receives more than 15 million visitors every year.

The first phase of this project, the Shuaibah Water & Electricity Company, was established as a close joint-stock company responsible for the construction, commissioning and operation of 900 MW of power and 880,000 m<sup>3</sup>/day of desalinated water. The project was built following the Saudi government's decision to open the market to private investment.

Shuaibah IWPP is the first plant in KSA using flue gas desulphurization technology, along with low NO<sub>x</sub> burner and electrostatic precipitator ensuring full compliance to the World Bank emission requirement.

# Shuaibah IWPP

**KINGDOM OF SAUDI ARABIA**  
120 km south of Jeddah



## TECHNO-COMMERCIAL

<b>Offtaker</b>	Water & Electricity Company
<b>Offtake Contract</b>	PWPA-BOO 20 years
<b>Power</b>	900 MW
<b>Desalinated Water</b>	880,000 m <sup>3</sup> /day
<b>Project Cost</b>	USD 2,450 Mn
<b>COD</b>	Q1 2010
<b>ACWA Power Effective Stake</b>	30%

## STAKEHOLDERS

<b>Other Investors</b>	PIF, SEC, Khazanah, TNB, Malakoff
<b>EPC</b>	Siemens (Power), Doosan Heavy (Desalinated Water)
<b>O&amp;M</b>	NOMAC



**900 MW** 

**880,000 m<sup>3</sup>/day** 

**ACWA POWER**  
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# Shuaibah IWPP

