

## **Abengoa selected by Acwa Power to develop a desalination plant in Saudi Arabia**

- The plant will have a potable water supply capacity of 250,000 m<sup>3</sup>/day by reverse osmosis thus making Shuaiba III the largest desalination complex in the world, supplying water to the areas of Jeddah and Makkah.
- The total value of the project is estimated to be 240 M€.

April 17<sup>th</sup>, 2017 – Abengoa (MCE: ABG/P:SM), the international company that applies innovative technology solutions for sustainability in the energy and environment sectors, in consortium with Fisia Italiampianti, a company with relevance in desalination and water treatment, has been selected by Acwa Power, a company leader in the development, investment, ownership and operation of energy generation and desalinated water, to develop a reverse osmosis desalination plant in the Shoaiba III complex, located in Saudi Arabia. It will be the largest desalination plant built by Abengoa to date, with a total capacity of 250,000 m<sup>3</sup>/day. The total value of the project is estimated to be 240 M€.

Abengoa and Fisia Italiampianti will be responsible for the development of the engineering, supply and construction of the Shuaiba-III desalination plant project for Acwa Power, who will undertake the project for the end client; the state-owned water desalination company, Saline Water Conversion Corporation (SWCC) in Saudi Arabia.

The plant to be developed by Abengoa in the Shuaiba III complex, will be located approx. 90 km to the south of Jeddah, the largest urban center in the west coast of the country, will have a desalination capacity of 250,000 m<sup>3</sup>/day. This plant will increase the desalination capacity of Shuaiba III, currently 150,000 m<sup>3</sup>/day via reverse osmosis, and of 850,000 m<sup>3</sup>/day via multi-stage flash evaporation. With this new project, the complex will be able to desalinate up to 400,000 m<sup>3</sup>/day by means of reverse osmosis, equivalent to the water contained in more than 400 olympic sized swimming pools, confirming this as the largest water desalination center in the world, thus guaranteeing the stable supply of potable quality water for the cities of Makkah, Jeddah, Taif and Al-Baha.

This is the second expansion to the Shuaiba-III desalination plant. In 2009, the first phase of the expansion of this plant was undertaken that introduced reverse osmosis technology.

# ABENGOA

Innovative technology solutions for **sustainability**

As part of its objectives in desalination, in 2020, SWCC plans to increase its desalination capacity in the country from 5.1 to 7.3 million m<sup>3</sup>/day in order to satisfy increasing demand.

With this new contract, Abengoa consolidates itself as a key company in the desalination sector in the world with a total installed capacity of 1.5 million m<sup>3</sup>/day. Moreover, in Asia and the Middle East, Abengoa continues its success, with the construction of a desalination plant in Oman, which is already in operation, among other projects. Abengoa has been recently successful in other emblematic projects, such as the Waad Al Shamal ISCC power plant, the largest hybrid solar-gas plant in the world, consisting of a combined cycle of 1,390 MW output and a 50 MW solar parabolic collector field, which Abengoa is currently building in Saudi Arabia.

## About Abengoa

Abengoa (MCE: ABG/P:SM) applies innovative technology solutions for sustainability in the energy and environment sectors, generating electricity from renewable resources, converting biomass into biofuels and producing drinking water from sea water. ([www.abengoa.com](http://www.abengoa.com))

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