



Abengoa launches first hybrid solar-gas plant in Algeria

- This is the second plant in the world developed with this technology by Abengoa.
- The plant will generate electricity on a large scale using natural gas and solar energy.

Seville. July 14, 2011. Abengoa, the international company that applies innovative technology solutions for sustainable development in the energy and environment sectors, today launched the first hybrid solar-gas plant in Hassi R 'Mel, Algeria, with a 150 MW capacity. The inauguration was presided over by Youcef Yousfi, Algeria's minister of energy and mining, and his Spanish counterpart, Miguel Sebastián, and was also attended by José B. Terceiro, vice-chairman of Abengoa.

Abengoa was responsible for the engineering, design and start-up of the hybrid plant, which consists of a natural gas combined cycle plant with a solar field of 224 parabolic trough collectors with the capacity to produce up to 25 MW of energy. The plant will generate electricity on a large scale using both natural gas and solar energy. This combination of innovative and sustainable technologies enables energy to be produced from the sun without compromising the functionality and stability of the network.

The new plant at Hassi R 'Mel will be able to supply Algeria's future energy needs. This plant is not only the country's first solar power plant, but it is also the first combined cycle plant thanks to Abengoa's refrigeration technology using steam condensers and large ventilators that condense the water and re-inject it into the cycle.

This project marks the start of Algeria's renewable energy program, which supports the installation of electricity plants using renewable energy sources.

In line with Abengoa's commitment to sustainability and respect for the environment, the plant's design will generate significant energy and fuel savings as well as enabling a reduction in CO₂ emissions of around 33,000 tonnes per each year the plant is operational.

The Hassi R 'Mel solar thermal plant is the first hybrid solar-gas plant in Algeria and the second that Abengoa has undertaken in the world. The other, located in Ain-Beni-Mathar (Morocco), has a 470 MW capacity and was opened on May 13, 2011 by King Mohammed VI of Morocco.

This new project consolidates Abengoa's position in developing efficient technologies in the environment and energy sectors, and as a leader in the design and management of solar thermal plants around the world.

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About Abengoa

Abengoa (MCE: ABG) is an international company that applies innovative technology solutions for sustainable development in the energy and environment sectors, generating electricity from the sun, producing biofuels, desalinating sea water and recycling industrial waste. (www.abengoa.com).

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