



# Project Profile

## Saudi Aramco North Park



When completed, the North Park project will provide all of the daytime power required by the buildings in this mixed-use complex.

### Site Overview

Location	Dhahran, Saudi Arabia
Coordinates	26.4° N, 50.1° E
Average global irradiance	2,036 kWh/m <sup>2</sup> /yr
Average temperature	27.2 °C • 81 °F
Average precipitation	86 mm • 3.4 in/yr

### Technical Overview

Scheduled completion	End 2011
System capacity	10 MWp
Panel type	various
Number of installed panels	126,000+
Tilt angle, orientation	5°, various
Estimated CO <sub>2</sub> reduction	11,000MT•12,125 tons/yr

*"Our partnership with Solar Frontier gives us affordable high-performance solar modules to contribute to the Kingdom's sustainable energy strategy."*



Mohammed S. Humaid  
Solar Energy Team  
Saudi Aramco

The city of Dhahran in Saudi Arabia was the site of the nation's first commercial oil field, which began producing oil in 1938. Now, decades later, the region seeks to tap another major resource: the sun. Dhahran can average as high as 7.96 kWh/m<sup>2</sup> per day of insolation during peak periods, making it one of the sunniest places on Earth.

The North Park project takes advantage of this abundance of sun, and will provide 10 megawatts of power to the complex of buildings that include, among other facilities, research labs attached to Saudi Aramco. When completed, it will be one of the largest PV parking lots in the world, with each of the 4,450 parking spaces covered with an awning of Solar Frontier's CIS modules.

The move to solar energy will enable the Saudi government to divert more of its refined petroleum to export markets rather than local consumption, which will provide additional revenue for the nation. And, as the country looks down the road to an eventual decline in oil production levels, investments in renewable energies like solar power will enable prosperity for decades to come.

### About Solar Frontier

Solar Frontier is committed to creating the world's most ecological, economical solar energy solutions, on the world's largest scale. Our proprietary CIS technology (denoting key ingredients copper, indium, and selenium) has the best overall potential to set the world's most enduring standard for solar energy. For more information visit [www.solar-frontier.com](http://www.solar-frontier.com)