



SOLAR THERMAL POWER PLANT IN OUARZAZATE UNDER MOROCCAN SOLAR PLAN

As of: October 2021

The project is financing the construction of a solar thermal power plant to support the Moroccan government as it implements its Solar Plan. Launched in 2009, the plan creates the framework for a series of major solar thermal power plant projects that will generate a total of 2,000 MW solar electricity by 2020. This will safeguard the country's energy supply while simultaneously avoiding the emission of up to 3.7 million tonnes of CO₂ per annum. The Moroccan Agency for Solar Energy (MASEN) was founded as the executing agency for these projects. The new solar tower plant - called NOORo III - is being built at the Ouarzazate concentrated solar power (CSP) complex with a total capacity of at least 580 MW. It will have an installed capacity of 150 MW, and a storage capacity of seven or eight full load hours. Thanks to IKI funding, the project is able to provide low-interest loans totalling EUR 324 million. The power plant is also receiving funding from other international donors.

State of implementation/results

- Project completed
- On February 4, 2016 and in the presence of King Mohammed VI of Morocco, the solar power plant NOORo I was successfully connected to the grid.
- The construction of NOORo III has started mid 2015 and was completed in 2018.
- A baseline study on the investment climate in Moroccan companies in the sector of renewable energies and energy efficiency was conducted.
- Training modules in the field of climate-friendly technologies were developed.

PROJECT DATA

Country/Countries:

Marokko

Implementing organisation:

KfW Entwicklungsbank

Political partner(s):

- Ministry of Energy, Mines, Water and Environment (MEMEE) - Morocco

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BMU grant:

€ 54,000,000

Duration:

08/2014 till 12/2019

Website(s):

<http://dkti-maroc.org/>

Fact sheet:

[Supporting innovative technologies within the International Climate Initiative \(IKI\): Concentrated Solar Power \(CSP\) \(PDF, 482 KB\)](#)

