



Minos

NER300

The project

Technology category: Concentrated solar power
Location: Atherinolakos area, Lassithi, Crete, Greece
Max. NER 300 funding: EUR 42.0 million
Final investment decision: December 2016
Entry into operation: December 2018

State of advancement

The project is under licensing. The major permits have been approved and the project is awaiting some final regulatory approvals in order to sign the PPA and proceed.

Outlook for coming year

Complete financing and construction preparation in order to commence construction within 2017.

Outlook for coming 5 years

Construction period 2017-2019. Operation years from 2019 onwards.

Project sponsor

NUR-MOH Heliothermal S.A.

Project summary

The "Crete project 50 MW Tower Superheat CSP demonstration Plant Based on the Innovative Minimum Intermittency Operating System" - MINOS is a concentrated solar power ("CSP") plant with tower configuration at one of the sunniest locations in Europe.

The project is located in South-East Crete island, Greece, at the Atherinolakos area. It is a multi-tower CSP power plant utilising superheat steam cycle. It utilises a solar field consisting of heliostats (sun tracking mirrors) which focuses solar radiation to the solar receivers which are on top of the towers. The molten salt storage system provides superheat steam generation during cloudy periods or after sunset and can be complemented by a conventional boiler too. The plant generates steam at temperature in excess of 500 °C and pressure over 100 bar.

The power plant utilises air-cooled condensers. The innovative CSP plant will utilise systems to minimise intermittency of the generated power, thus providing stable power to the grid.