



# THE NEXT-CSP PROJECT

## PROJECT DATA



10 PARTNERS



5 COUNTRIES



4,9 M€



01 OCT 2016  
30 SEPT 2020

## OBJECTIVES



To improve the reliability and performance of Concentrated Solar Power (CSP) plants.



To develop and integrate a new technology into CSP plants.



To use high temperature particles as heat transfer fluid and storage medium.



To demonstrate the technology in a relevant environment and at a significant size.

## IMPACT



The development of a new generation of CSP plants to boost the EU industrial competitiveness.



High efficiency new cycles (>50%) and 20% overall improvement of efficiency of CSP plants.



Reducing renewable energy O&M costs to ease the deployment of renewable energy sources.



A breakthrough innovation to contribute to solve the global climate change.

## TECHNOLOGY



A two-tank particle heat storage and a particle-to-pressurized air heat exchanger coupled to a 1.2 MWeI gas turbine.



A 3-MWth tubular solar receiver able to heat particles up to 800°C.



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