CENER | NATIONAL RENEWABLE ENERGY CENTRE
ADItech

Competitive SolAr Power Towers (Capture)

capture

OBJECTIVES OF THE PROJECT

Increase plant efficiencies and reduce LCOE by developing all relevant components for implementing an innovative plant configuration based on a **multi-tower decoupled advanced solar combined cycle** that increases cycle efficiencies and avoids frequent transients and inefficient partial loads, thus maximizing overall efficiency, reliability as well as dispatchability.

CENER´S MAIN ACTIVITIES

- **Project management and coordination.**
- DSCC – Modular multi-tower decoupled solar combined cycle concept (WP1).
- Solar receiver (WP2), Regenerative heat exchange system (WP3), Solar-driven Brayton cycle (WP4), Solar field (WP5).
- System integration and testing in the relevant environment (WP6)
- Risk analysis (WP7), Dissemination and communication (WP8), Exploitation of results (WP9)

BUDGET

- Total: 6.104.033,00 €
- CENER´s: 1.102.541,00 €

DATES

May 2015 – July 2020

MORE INFORMATION

www.capture-solar-energy.eu

PARTNERS

Bluebox Energy, cea, EDF, EUREC, FCT Ingenieurkeramik GmbH, Fraunhofer, IK4 TEKNIKER, QuerDenkFabrik AG, TSK FLAGSOL, SAMSON CFRA SYSTEM

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