

Competitive SolAr Power Towers mentioned in guide of innovative and successful projects

For further information, contact:

Dr. Fritz Zaversky

fzaversky@cener.com

www.capture-solar-energy.eu

The Competitive SolAr Power Towers (CAPTURE) project has been included in a catalogue of the most successful innovative projects in the area of renewable energy. The document was published by the Association of European Renewable Energy Research Centres (EUREC) and showcases 31 noteworthy projects conducted in the fields of renewable electricity, renewable heating and cooling, sustainable transport and horizontal topics, most of them co-financed by the European Union.

Coordinated by the Spanish National Renewable Energy Centre (CENER), CAPTURE is developing all the key components of an innovative concentrated solar power plant configuration that promises to considerably increase the efficiency and reduce the levelised cost of electricity of CSP technologies.

The innovative plant configuration is based on a multi-tower decoupled advanced solar combined cycle (DSCC) approach that not only increases cycle efficiencies but also avoids frequent transients and inefficient partial loads, thus maximising overall efficiency, reliability as well as dispatchability.

“It’s great that our project has attracted attention and was mentioned among examples of successful stories”, says Dr. Fritz Zaversky (CENER), coordinator of the project. “We are currently installing our prototypes at the Solar Platform in Almeria and intend to demonstrate our concept along 2018”, he continued.

CAPTURE is developing all key components for the proposed plant configuration, including an unpressurized air solar receiver unit, a network of highly efficient fixed-bed regenerative heat exchangers, a two-stage, intercooled Brayton gas turbine cycle, validation-scale prototypes, small-area downsized heliostats as well as the complete theoretical assessment and optimisation of the modular multi-tower DSCC. The project will run until April 2019.

The catalogue is [available here](#).



This project has received funding from the *European Union’s Horizon 2020 research and innovation programme* under grant agreement No 640905