Concentrated Solar Power

Towards CO_2 abatement

You want to:

- Decarbonize your operations and processes
- Gain competitiveness (CO_2 taxes)
- Stabilize energy prices (not depending on commodities fluctuations, such a gas or oil)
- Ensure supply security & visibility
- Be recognized as a brand
- Valorize waste heat

You are active in:

- IPPs or utilities in places with high penetration of renewables and increasing curtailment
- Mining companies in remote locations or with low access to green energy from the grid
- Desalinization companies who want to decarbonize their energy consumption
- Developers or H2/NH3 facilities who want to minimize their LCOH2
- Industries with high or medium temperature needs

John Cockerill's Integrated Energy Systems are the Solution!

We offer:

- Solar technology with built-in storage, that can deliver dispatchable energy and be hybridized with other renewables, such as wind or PV at a very competitive LCOE
- Solar technology with built-in storage, that can deliver dispatchable heat and can be hybridized with other renewables, such us wind or PV at a very competitive LCOH

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Market Applications

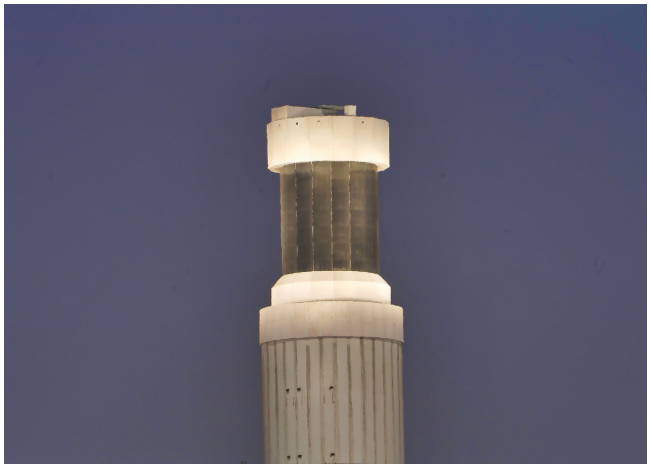
- Markets with a significant penetration of intermittent renewables or with grid/wheeling constrains. CSP will prevent price cannibalization and curtailment
- Remote consumers where grid augmentation is not economical or want to decarbonize without challenging their continuous operations
- Green applications for desalinization or H2/NH3
- Industries with high heat demand located in areas with good sun resource and land available. Ideal for medium and high temperature applications

Key Features

- The major three bricks: (i) solar field made of heliostats (ii) molten salt loop that includes receiver, storage and steam generation and (iii) power block.
- They are modular and independent based on the application: base load, peaker, hybrid or heat production.
- None of them uses rare materials and most can be made locally.
- Hybridization with other technologies can be made at the substation or at the storage with molten salt heaters

Your Benefits

- CO_2 abatement
- Price volatility
- CO_2 tax or carbon credits improvement
- Levelized cost of heat (LCOH) improvement
- Brand recognition



Our Approach

John Cockerill and its business partners assess the needs of the application and suggest the best configuration during the development phase. During the project implementation, a seamless team delivers the project on a turnkey basis.

John Cockerill Energy

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