

INTEGRATED ENERGY SYSTEMS

Multiple energy streams from one carbon-free system at the lowest possible cost

INTEGRATED ENERGY SYSTEMS

FROM PRE-ENGINEERING TO TURNKEY DELIVERY

LOWERING ENERGY COSTS

Cost-competitive renewable energy partly or entirely displacing fossil fuel consumption

MULTIPLE ENERGY STREAMS

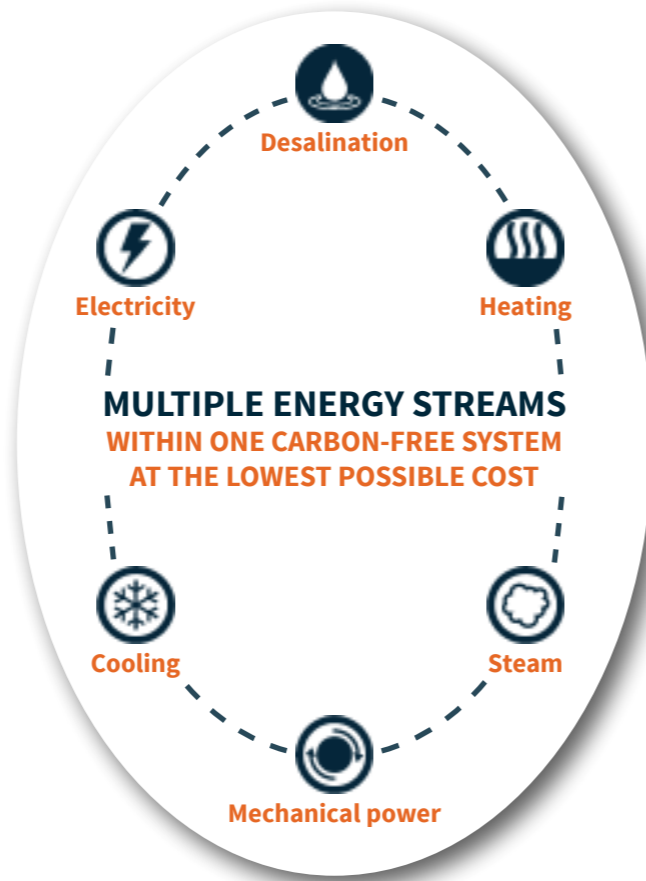
Novel configuration of renewable technologies to holistically satisfy individual energy needs

YEAR-ROUND POWER PRODUCTION

Seasonally balanced energy flow ensuring reliable operation day and night, 365 days a year

PROJECT FINANCING

Loan guarantee through Denmark's Export Credit Agency



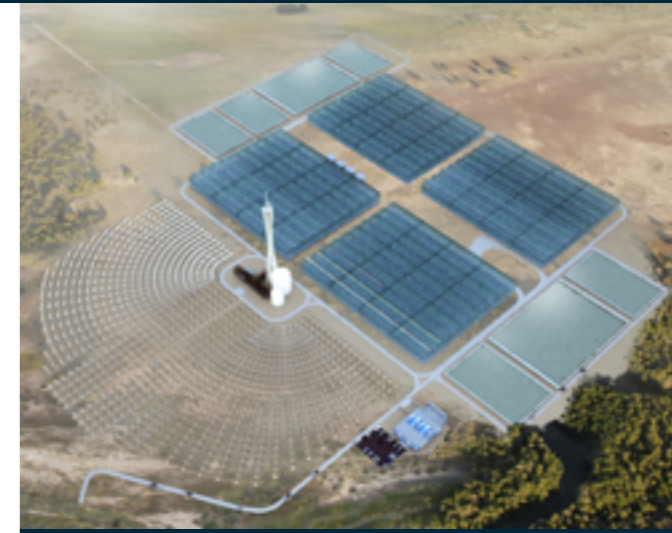
The **INTEGRATED ENERGY SYSTEM** is a custom-designed configuration of different renewable technologies with concentrated solar power (CSP) acting as focal point of the system. Multiple energy flows (heating, desalination, electricity, steam, cooling) can be provided through one carbon-free system, all seasonally balanced to achieve lowest possible energy costs. The energy plant is therefore ideal for industries with dynamic energy needs and unreliable or expensive access to energy.

Depending on individual energy requirements, the Integrated Energy System can be an add-on to an existing energy source (a hybrid solution) to reduce fossil-fuel consumption or a stand-alone for complete fossil fuel displacement. To design the best solution, a pre-engineering study is conducted determining technical and economical possibilities of a given system requirement and providing significant savings in the Integrated Energy Systems' design time and costs as a result. Aalborg CSP is partner in designing, constructing and commissioning the energy system.




Loan guarantee covering all political and commercial risks is available for project financing through Denmark's Export Credit Agency.

CHANGING ENERGY

IN THE AUSTRALIAN DESERT



INTEGRATED ENERGY SYSTEM FOR SUNDROP FARMS

-  20,000MWh heat / year
-  250,000m³ fresh water / year
-  1,700MWh electricity / year

A futuristic desert-farming system addressing the world's food security concerns will soon be powered by the world's first Integrated Energy System developed and delivered by Aalborg CSP.

The 140,000m² Integrated Energy System is currently being erected in the South Australian desert and will provide sustainable energy to grow 15,000 tons of tomatoes annually in 200,000m² greenhouses.

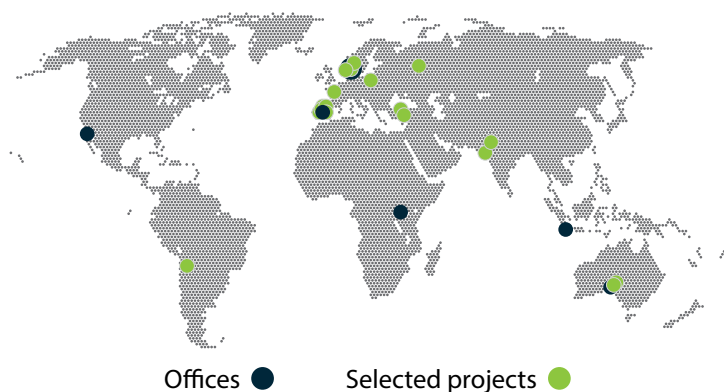
Once commissioned in October 2016, the Integrated Energy System will harvest the sun's energy to heat the greenhouses in wintertime and on cold summer nights, to provide desalinated fresh water for irrigation and to produce electricity.

“ The Integrated Energy System changes the way we produce energy today ”



AALBORG CSP

- Changing Energy



CHANGING ENERGY

Aalborg CSP is leading developer and supplier of innovative renewable technologies with the definite purpose to change the way we produce energy today. Relying on extensive experience from some of the most efficient concentrated solar power (CSP) projects around the world, the company designs and delivers green technologies and integrated energy systems to lower cost of energy for industries and power plants worldwide.



**VALUE-ADDING
ENGINEERING DESIGN**



**TECHNOLOGY OF
TOMORROW**



**MAKING PROJECTS
HAPPEN**



**SECURED TO BE
DELIVERED**

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