Concentrated
SOLAR POWER

Harvesting energy from the sun

AALBORG CSP

- Changing Energy

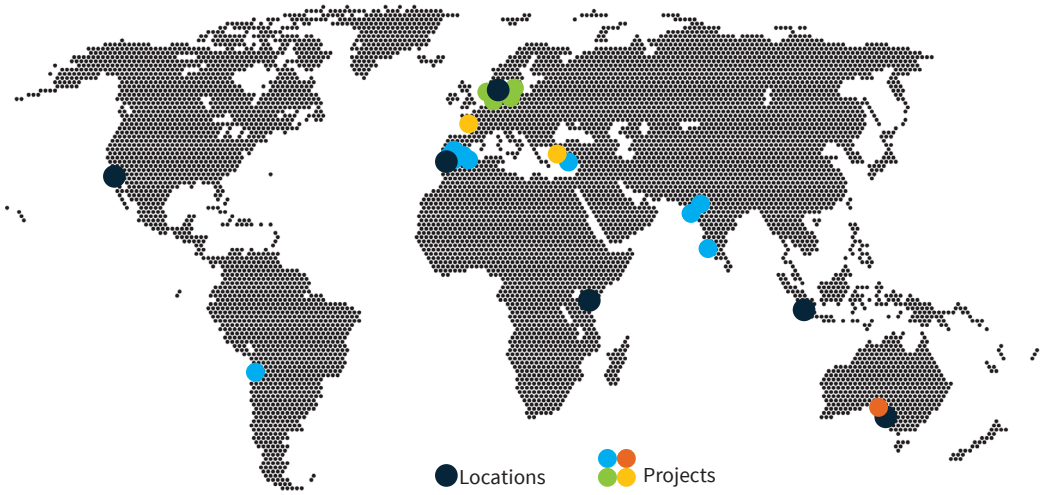
CHANGING ENERGY AROUND THE WORLD

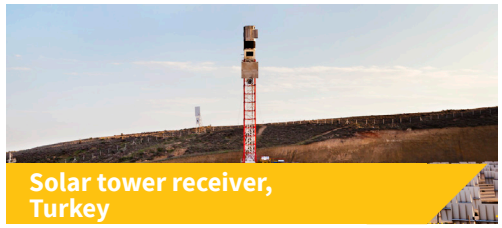
AalborgCSP has 18 operational plants and 4 projects under development and construction in 8 countries of the world

CSP for combined heat&power, Denmark

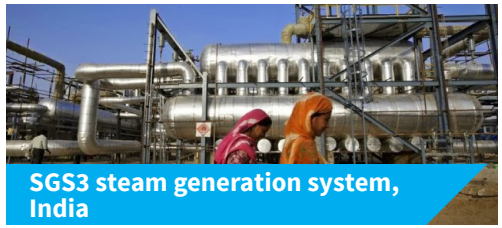
Solar district heating combi-plant, Denmark

Solar tower receivers, Spain





Solar tower receiver, Turkey



SGS3 steam generation system, India

Integrated Energy System, Australia

WORLD-CLASS EXPERTISE IN THERMAL ENERGY

AalborgCSP is a leading developer and supplier of innovative renewable technologies aiming to change the way energy is produced today. Relying on extensive experience from some of the most efficient concentrated solar power (CSP) projects around the world, we design and deliver green technologies and integrated energy systems to lower the cost of energy for industries and power plants worldwide.

Our main business areas focus on delivering solutions that utilize our nearly 30 years of thermal engineering experience. The history of AalborgCSP is rooted in the development of traditional power boilers. Applying general boiler principles to the solar industry positioned us among globally leading steam generator suppliers within the CSP power plant segment wherein our steam generator technology (SGS3) has won multiple international awards since 2007.

LOWERING ENERGY COSTS FOR INDUSTRIES

Utilizing the strong knowledge base from CSP power plant projects around the world, we developed an industrial-scale CSP plant to bring cost-efficient, clean and reliable energy to the industrial market segment. Our industrial-scale CSP design that is capable of producing steam, heating, cooling, as well as desalinated fresh water was recognized as most innovative solution for district heating purposes in Denmark in 2012.

In order to cost-effectively supply the district heating plants' individual energy needs for hot water production as well as for combined heat and power generation, AalborgCSP harvests the sun in the most efficient way with a variety of solar-thermal technologies. This includes CSP parabolic troughs, flat solar panels, heat storage accumulation tanks or the combination of these technologies.

INTEGRATED SOLUTIONS & ENERGY STORAGE

As a result of continuous optimization studies and analysis of our industrial clients' dynamic energy needs we designed a globally-unique Integrated Energy System based on CSP, a novel configuration of renewable technologies that holistically satisfy multiple energy demands within one carbon-free system while lowering the cost of energy for our customers at the same time.

AalborgCSP places strong focus on R&D activities and partners with knowledge-based companies and institutions to create leading-edge technologies. As a result, we have developed the next generation of Thermal Energy Storage (TES) concepts together with our strategic partner (EnergyNest AS), allowing wind- and solar energy to be stored at the lowest possible cost.

Our core design principle relies on a value-adding concept providing solutions that excel in operation, increase plant revenue and contribute to a greener future.

BUSINESS AREAS

CSP power plant technologies

Solar district heating

Integrated Energy Systems

Industrial solar technologies

Thermal Energy Storage

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