

Solar technology designed for district heating


- matching the customer's energy needs




Project facts


Solar plant

 2,569m² flat panel collectors


 1,250m³ storage tank

Heat production


 1,226MWh / year

 28% solar energy share

Environmental savings

 233 tons CO₂ / year

Solrød Fjernvarme a.m.b.a

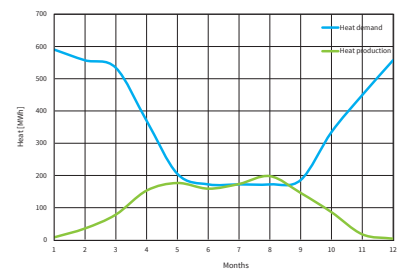
 350 households

A competitive solar plant in Denmark

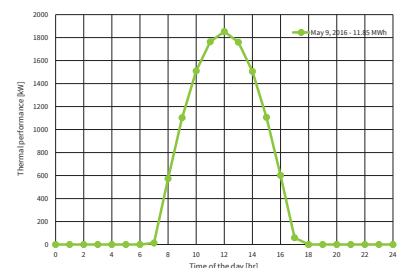
Aalborg CSP has investigated the potential to use solar heating to reduce Solrød Fjernvarme's (a Danish district heating plant) natural gas dependency as well as to stabilize energy prices. To match the client's energy requirements at the lowest possible cost, Aalborg CSP's technology selection favored a 2,569m² flat panel system along with a 1,250m³ heat storage accumulation tank providing 350 households with sustainable heating.

The solar plant will consist of 13 rows of GREENoneTEC collectors from the GK 3003 series with up to 20 collectors placed in one row. The 13,3m² optimized panels have shown the highest performance among all known mass-produced large-scale solar collectors on the international market. This enables the solar energy system in Havdrup to become one of the most efficient flat panel fields in the country.

Estimated energy production



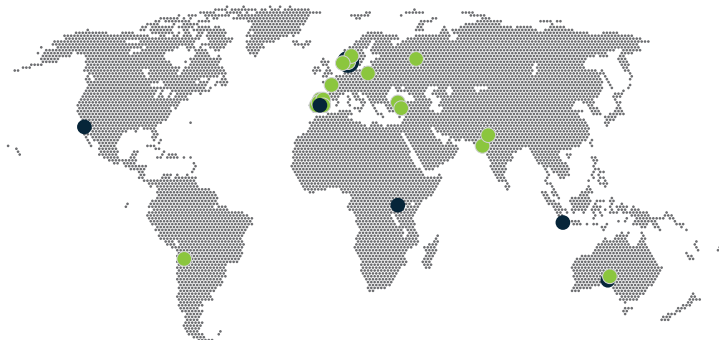
Solar energy output projection based on DMI DRY 2012 weather data



Energy production throughout the day

AALBORG CSP

- Changing Energy



Locations ● Selected projects ●

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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