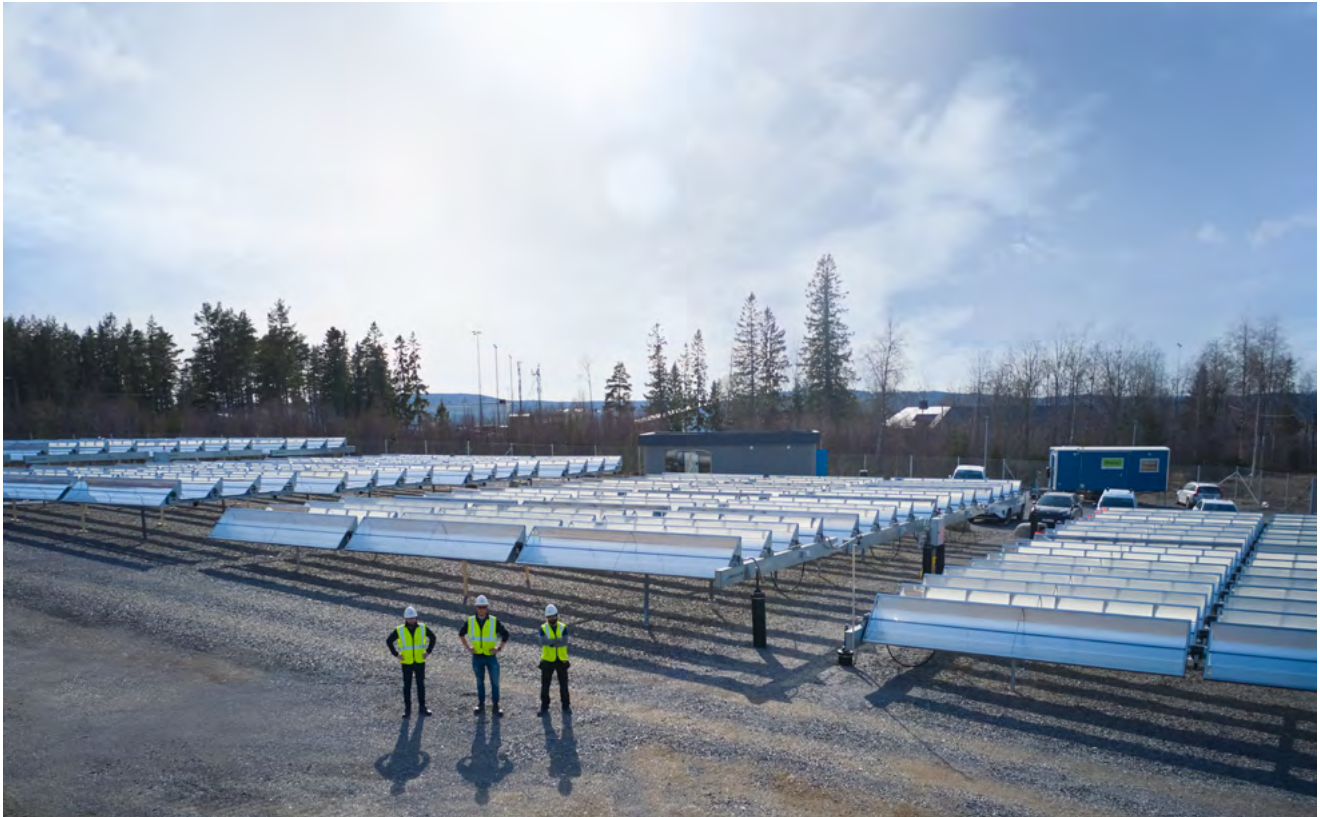




ABSOLICON
S O L A R C O L L E C T O R S



HÖGSLÄTTEN 2023 SOLAR THERMAL PARK

Located in Härnösand-Sweden, Absolicon is building Sweden's largest solar field connected to district heating using concentrating solar collectors, Högs slätten 2023 Solar Thermal Park.

The installation showcase solar thermal technology for renewable heat supply. The concentrated sunlight from the solar thermal field provide the high temperature needed for district heating, feeding heat directly into the grid.

The plant, for large-scale solar district heating, is built with the patented Absolicon T160, a medium-sized parabolic concentrator for heat up to 160°C and steam up to 8 bar, also suitable for industrial use.

CAPACITY

1.5 MW

DELIVERY

1.000.000 kWh Heat/Year

APERTURE AREA

3000 m²

TEMPERATURE TO THE DISTRICT HEATING NETWORK

73 - 120°C



Energimyndigheten

Högs slätten 2023 Solar Thermal Park is co-financed with the Swedish Energy Agency that has granted €800 000 for the project through its pilot and demonstration program.

THE PLANT

SOLAR DISTRICT HEATING FIELD

HÖGSLÄTTEN 2023 SOLAR THERMAL PARK

180 Absolicon T160 solar collectors

SOLAR CENTRAL

The solar central is the core of the plant. It converts the heat from the Absolicon solar collectors to different outputs to fit the specific demand.

DISTRICT HEATING SUPPLIER

HEMAB - Härnösand Energi & Miljö AB

Grid volume: 2155 m³

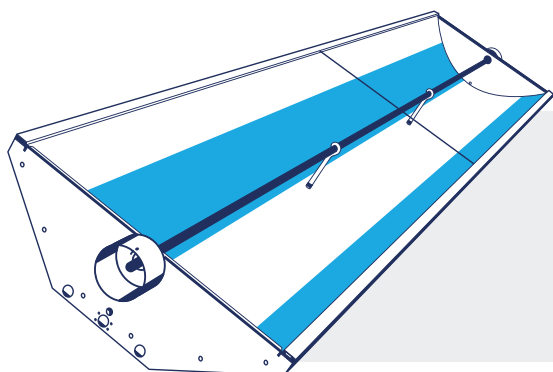
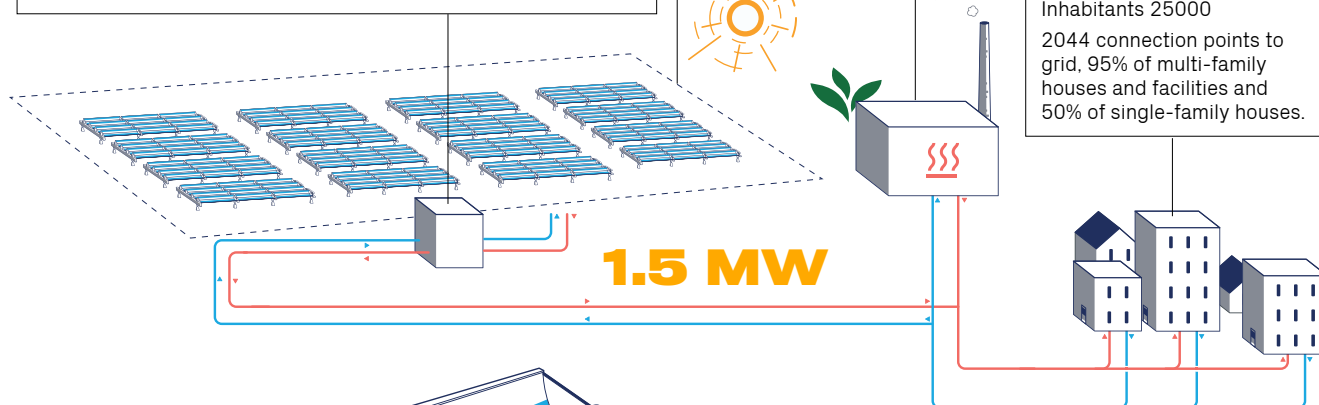
Total grid length: 121 km

26% recovered heat, 61% renewables, 12% peat, 1% fossil

HÄRNÖSAND, SWEDEN

Inhabitants 25000

2044 connection points to grid, 95% of multi-family houses and facilities and 50% of single-family houses.



Absolicon T160

Absolicon T160 Solar collector is the first of its kind to be certified by Solar Keymark and has the highest optical efficiency ever achieved for a small parabolic trough. Each world-class component of the patented technology contributes to the total record-high performance.



Solar Keymark certification is a proof of the reliability and high quality of the product.



SolarImpulse Label is awarded to companies and technology that protect the environment in a profitable way.

OPERATION TEMPERATURE

40-160°C

OPTICAL EFFICIENCY

>76 %

OPERATION PRESSURE

8 Bar

PATENTS

6



Learn More About
HÖGSLÄTTEN 2023 SOLAR THERMAL PARK



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