



# CSP

TECHNOLOGY

# SOLAR INDUSTRIAL STEAM

Industrial Steam Generation

## STRONG POINTS

- >> **ECONOMY**  
the most profitable existing source of renewable energy
- >> **EASY MANAGEMENT**  
limited maintenance to mirrors cleaning
- >> **STRENGTH**  
all components are made in steel and composite materials
- >> **QUICK ASSEMBLY**  
the structure is free of welds and the various components are assembled in sequence as a "meccano" without using special equipment
- >> **BUILDING WORKS**  
limited to small concrete footings
- >> **ECOLOGY**  
zero emissions into the atmosphere
- >> **REDUCED ENVIRONMENTAL IMPACT**  
the collectors height does not exceed three meters
- >> **CSP TECHNOLOGY**  
the technology is based on the most advanced concentrating solar collection system in the world

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# SOLAR INDUSTRIAL STEAM

## Industrial Steam Generation

The system is based on a unit that allows to realize, in a modular way, solar fields of various sizes of power for the collection of the thermal energy used by a steam generator for industrial uses. Reachable temperatures up to 250 °.

### THE BASE UNIT IS FORMED BY:

- 1 A SOLAR FIELD FOR THERMAL COLLECTION**  
whose size depends on the intensity of insolation and consists of parabolic mirrors that reflect the energy of the sun on a receiver tube in which oil or glycol flows
- 2 AN OIL/WATER HEAT EXCHANGER**  
that produces steam at 250°C (Steam Generator)
- 3 A STORAGE tank for steam (Steam Drum)**

