



SENER

a solar leader company

in two axes heliostats and solar trackers



^ SENER CPV solar tracker

SENER's solar trackers and heliostats are an extra large high accuracy systems specially developed for the demanding requirements of:

Concentrating Solar Thermal Power (CSP).

Central Tower Receiver Heliostat (CTR) and Stirling Dish.

High Concentration Photovoltaics (CPV).

MAIN DATA

SENER designs, manufactures and commercializes a unique high performance drive in the market.

SENER's own production ensures that the drive units are built under tight quality controls and guarantees that each drive accomplishes the specifications:

- Large surface: up to 120 m²
- High static and dynamic loads (weight, wind, snow, etc.)
- High accuracy (better than 0.1°), reliability and stiffness even under strong wind loads
- Single housing and compact drive unique in the market
- Long life time: 30 years (checked with accelerated life test)
- Minimum operation and maintenance cost
- Validated and installed technology
- Own manufacture under ISO 9001

✓ **SENER** heliostats have been successfully operating at the Plataforma Solar de Almería (**PSA**) since 1980.

✓ World leader supplier of two axes drives for heliostats: supplier of **Gemasolar plant**, the largest heliostats field (2,650 units) installation.

✓ **SENER** products are also applied to CPV and Stirling dish.

SENER commercializes its product for our own plants and for third customers all around the world and offers maintenance services of the drives along the operation life of the plant. As a designer and manufacturer whatever our customers need we can meet their needs.



^ SENER two axes drive design



^ SENER two axes drive manufacturing facilities v



The way to see the future
www.sener.es