

Parabolic Trough Power Plant “Andasol 1”

Facts and Data

Location	Near Guadix in Andalusia, in the province of Granada (Spain), one of the sunniest regions in the entire country
General	Europe's first parabolic trough power plant The world's largest solar power plant (510,000 m² of collector surface area)
Project developer	Solar Millennium AG, Erlangen, in cooperation with its subsidiaries
Power plant operator	Andasol 1 S.A., owned by the Spanish ACS/Cobra Group (largest construction company and facility builder in Spain) and the Solar Millennium Group
Start-up date	Mid 2008
Capacity	50 megawatts (MW)
Capital investment	310 million euros
Heat storage	Liquid salt heat storage allows for electricity to be generated even 7 ½ hours after the sun has gone down
Electricity production per year	Approx. 179 gigawatt hours; covers the electricity demands of 50,000 households or 200,000 people
Feed-in tariff	21 euro cents per kilowatt hour (kWh) for 25 years
Miscellaneous	Two additional power plants of the same type are planned for construction at the same site (Andasol 2 und Andasol 3).

Source: www.solarmillennium.de