



Cobra begins construction of Extresol-1 in Torre de Miguel Sesmero (Badajoz)

Extresol-1 is scheduled to begin operations in 2009 with 50 MW of capacity and will save 149,000 tonnes of CO₂ emissions per year

Cobra, the industrial services subsidiary of the ACS Group, is leading the project with an investment of €300 million

27 July 2007. Grupo Cobra, part of the ACS Group's Industrial Services Division, today began the construction of the thermo-solar power plant Extresol-1 in the province of Badajoz.

The first stone of what will be Europe's second largest solar power plant was set in place this morning by the President of Extremadura, Guillermo Fernández Vara in the town of Torre de Miguel Sesmero (Badajoz). Construction will be completed in 2009.

Grupo Cobra is the sponsor of the project and will invest a total of €300 million. The plant will have 624 collectors occupying 510,120 m² of a 225 hectare plot. The electricity generated will supply an equivalent of 30,000 homes and avoid 149,000 tonnes in CO₂ emission per year.

The construction will employ over 350 people and, once operations, the plant will have 35 full-time employees including maintenance personnel, technicians, and operators with experience in power plants.

The latest solar power technologies

The Extresol-1 project uses cylinder-parabolic solar energy collectors, whose use a solar energy concentration system that has a sunlight monitoring mechanism that follows the sun to assure that the collector continuously receives direct sunlight. By following the sun from the east to the west the collectors reflect and concentrate the direct sunlight on absorbent tubes located along the focal line of the reflective surface. These absorbent tubes circulate the heat transfer fluid, normally synthetic oil, that is heated by the concentrated sunlight up to temperatures of 400° C.

The Extresol project in figures

- €300 million in investments
- 50 MW of installed power
- 30,000 homes receiving electricity from the plant
- 350 jobs in the construction phase
- 225 hectares occupied by the plant
- 149,000 tonnes of CO₂ emission avoided annually