

## Solar power. The new generation.

A new dimension in solar power generation has arrived: FLATCON, from Concentrix Solar.

We supply turnkey concentrator photovoltaic power plants with the innovative FLATCON technology developed by the Fraunhofer Institute for Solar Energy Systems and made market-ready by Concentrix Solar engineers: High tech with legendary German quality.

FLATCON power plants generate electricity from the sun with almost twice the efficiency of conventional solar power systems.

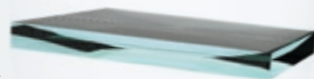
Welcome to the FLATCON generation.  
Welcome to Concentrix Solar.



Concentrix Solar power plants at Puertollano and Seville (Spain), the first large power plants in Europe to use triple-junction solar cells.

## The FLATCON® technology

The FLATCON technology from Concentrix Solar is a photovoltaic power plant technology for sunny locations.



Fresnel lenses concentrate sunlight by a factor of almost 500 and focus it on high-efficiency, triple-junction solar cells just a few square millimeters in size. The triple layered cells harvest a far broader spectrum of sunlight than normal silicon cells. The solar cells turn the concentrated light energy directly and highly efficiently into electrical energy. The concentrator modules track the sun on two axes to face straight into the sunlight at all times.



With a system efficiency of up to 25 percent – nearly twice that of conventional photovoltaic power plants – FLATCON systems are among the most efficient solar power stations in the world. Their outstanding efficiency substantially cuts the cost of producing power from the sun.

Our power plants reduce the cost of generating solar power in sunny locations by up to 20 percent compared with conventional photovoltaic systems: A profitable investment in the future.

[www.concentrix-solar.de](http://www.concentrix-solar.de)

## Our capabilities



Concentrix Solar supplies turnkey power plants and all-round service – from planning, project development, installation and operation startup, through to control and monitoring. Concentrix Solar also brokers attractive investment opportunities in power plant projects. Our licensed, high-quality local partners provide quick and direct system maintenance. In Spain and Portugal, this service is made available by our subsidiary Concentrix Iberia.

FLATON is a utility scale technology which provides the highest economic return of solar power plants of 1 MW or larger at locations with a high amount of direct solar irradiation. Its great scalability gives a maximum of flexibility for power plant sizes, whether it be 10 MW or hundreds of MW, and allows for easy expansion. Concentrix Solar offers a 20-year performance guarantee on its power plant technology.



*Concentrix. Focus on Power.*

Concentrix Solar GmbH was launched in 2005 as a spin-off from the Fraunhofer Institute for Solar Energy Systems. The company is based in Freiburg, Germany.

Concentrix Solar has already received a number of awards for its commitment and innovativeness, including the coveted Innovationspreis der Deutschen Wirtschaft 2007 (German Industry Innovation Award).

FLATCON modules are manufactured at a fully automated 25 MW production facility in Freiburg, Germany, taken into operation by Concentrix Solar in September 2008.

We have two sound and experienced partners in Good Energies and Abengoa Solar. Close cooperation with R&D partners such as Fraunhofer ISE additionally ensures that the latest research trends are quickly incorporated in refinements to our products.

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## FLATCON® Concentrator Photovoltaic Power Plants

Efficiency for Sunny Locations

