

SOLAR PARK MIEGERSBACH

Miegersbach, Germany



System name:	Solar Park Miegersbach
Operator:	LADIT Mobiliengesellschaft mbH & Co. KG a KGAL investment company
Energy company:	E.ON
Location:	Miegersbach
Commissioned:	July 2005
Completion time:	33 weeks

Technical data

Rated system power	5,300 kWp
Annual energy yield	approx. 5,214,000 kWh
Feed-in tariff/kWh	EUR 0.434
Feed-in tariff p.a.	approx. EUR 2,264,000
CO₂-savings p.a.	approx. 4,860,000 kg*

No./type of modules	11,616 modules / PW 1650/1750, 20,412 modules / PHX-162
Inverter	5 x SMA SC 1000 MV
Construction type	Ground-mounted system
Tilt angle	30°
Frame technology	Phoenix ground-mounted frame, 1 row
Orientation	South

* Source: German CO₂ offset calculation (0.932 tonnes of CO₂ avoided per MWh) based on data from BMU ACEE (Arbeitsgruppe Statistik Erneuerbare Energie) 2006.

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Dr. Klaus Wolf, Managing Director of KGAL

“In 2005, Solar Park Miegersbach was the first multi-megawatt photovoltaic project which we realised together with Phoenix Solar AG. The high construction quality and the extremely reliable operational management have led to excellent operating results ever since operations began.”

Politicians and investors working together

Phoenix Solar AG (formerly Phönix SonnenStrom AG) was contracted by KG Allgemeine Leasing GmbH & Co. (KGAL) to build a photovoltaic power plant only a few kilometres away from the company headquarters, in the Bavarian community of Miegersbach, with an order volume of over 21 million euros. With a peak output of 5.3 MW, this power plant is still among the world’s largest plants today, and serves as a showpiece for Phoenix Solar AG. The project was implemented in record time, thanks to support from the community and from the Dachau District Office, both of which gave the solar power plant their backing from the very beginning. The financing was provided by means

of a KGAL closed-end fund. The fund initiator was ALCAS GmbH, a 100-percent subsidiary of KGAL. Dr. Klaus Wolf, Managing Director of KGAL, is highly satisfied with the investment in this environmentally friendly technology of the future. KGAL has already built additional solar power plants with Phoenix Solar. Representatives of the German Farmers’ Association have also recognised the opportunities offered by renewable energy. As energy harvesters and solar power system operators, farmers profit from the potential earnings which the EEG (German Renewable Energy Sources Act) offers with the remuneration rates for solar power. Politicians also support this large-scale project, which contributes to the development and promotion of renewable energy sources in Germany.

Over 30,000 modules were optimally integrated into the hilly landscape.



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