

## SOLARPARK MOOS 2 Geroldshausen-Moos, Germany



### Project data

System name:	Solarpark Moos 2
Operator:	Infra Class Energie 7 GmbH & Co. KG
Energy company:	EnBW AG
Location:	Geroldshausen-Moos, Germany
Commissioned:	June 2010
Completion time:	March through June 2010

### Technical data

Rated system power	15.82 MWp	No./type of modules	157,984 units i.e. from First Solar and Phoenix Solar
Annual energy yield	16,785.15 MWh	Inverter	2 x SMA SC500 22 x SMA SC630
Equivalent to the power consumption of	approx. 4,188 families**	Construction type	Ground-mounted system
Feed-in tariff/kWh	EUR 0.2843	Tilt angle	30°
Feed-in tariff p.a.	approx. EUR 4,772,018	Frame technology	CWF
CO <sub>2</sub> -savings p.a.	approx. 9,651.4 tons*	Orientation	South

\* Source: The evolution of carbon dioxide emissions within the German power mixture 1990-2008: 0.575 tons CO<sub>2</sub> saved per MWh (Umweltbundesamt FG I 2.5., Status March 2010)

\*\* Source: Average power consumption of a family: 4,000 kWh (Verivox, Status 2010)

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Josef Schäfer, 1<sup>st</sup> Mayor of the Municipality of Geroldshausen

**"Moos Solar Park is currently one of the largest in Bavaria and supplies more than 4,000 families with environmentally compatible electricity. We view this as an active and important contribution to climate protection for our community. What we found especially pleasing was how professional the planning and implementation of the whole undertaking was – thanks to the experts of Phoenix Solar AG."**

### No more worries about energy

Right from the start regional politicians and residents living in the Municipality of Geroldshausen close to Wuerzburg were united in wanting a solar park to secure the future, environmentally compatible supply of energy. In the district of Moos the ideal location was swiftly found.

Phoenix Solar ensured the simple and rapid expediting of all approval procedures and completed the construction work within twelve weeks: for a plant of this size this is a remarkably short period of time. One of the largest ground-mounted plants in southern Germany was built using around 160,000 modules on a surface area of around 64 hectares – in accordance with the guidelines laid down by the German nature conservation association (Bund Naturschutz).

The cooperation with a wind park has allowed the joint operation of a transformer station, enabling the energy generated to be fed directly into the high voltage grid and marking the start of Moos Solar Park's production of just under 17 million kilowatt hours of electricity a year.

To ensure the seamless operation and to achieve the return targeted for all investors over the term, Phoenix Solar also carries out all the measures necessary for the solar park's operation and maintenance.

And last but not least, KGAL has launched a closed-end fund geared towards the participation of private investors.

