

SOLARPARK RED Longuich, Germany



Project data

System name:	Solarpark RED
Operator:	Consensus Business Group
Energy company:	RWE Rhein-Ruhr
Location:	Longuich, Trier (Germany)
Commissioned:	September 2007
Completion time:	12 weeks

Technical data

Rated system power	3.162 MWp	No./type of modules	45,360 modules / First-Solar FS-260 / FS-272
Annual energy yield	approx. 3,213 MWh	Inverter	2 x SMA SC 350, 4 x SC 500
Equivalent to the power consumption of	approx. 803 families**	Construction type	Ground-mounted system
Feed-in tariff/kWh	EUR 0.3796	Tilt angle	30°
Feed-in tariff p.a.	approx. EUR 1,220,000	Frame technology	Phoenix ground-mounted frame, 4 rows
CO ₂ -savings p.a.	approx. 1,847.48 t*	Orientation	South

* Source: The evolution of carbon dioxide emissions within the German power mixture 1990-2008: 0.575 tons CO₂ 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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Vincent Tchenguiz, CEO of the Consensus Business Group

“We are delighted that the Longuich Solar Park has been delivered on schedule. Since completion, operations have been absolutely to specification. Our solar park programme is a significant part of our strategy to promote renewable energies. We look forward to implementing more projects throughout Europe, together with Phoenix Solar.”

Wine and 3 MW solar power from the Moselle region

Since the beginning of 2006, Phoenix Solar’s power plant division and the citizens’ service office in Trier have pursued the goal of utilising abandoned vineyards and underused agricultural areas for the generation of solar power. The community aspect was also to play an important role. With the help of the citizens’ service office, unemployed people in the region were given an opportunity to be involved in the construction of a photovoltaic power plant. In a collaboration between the citizens’ service office and Phoenix Solar, the entire project was successfully developed, from initial concept, to the search for suitable land, to project development, right through to the construction permit and grid connection. The major investor CBG from England was brought into the project

by Phoenix Solar Energy Investments AG, and campaigned for involvement in this large-scale system before the Longuich local council. This power plant, with a capacity of three megawatts, was safely and rapidly implemented with the customary precision of Phoenix’s project managers. This project is a wonderful example of how social commitment can be combined with precise project implementation, in keeping with the requirements of international financial investors. Once again, Phoenix Solar has shown how a project can be implemented in a targeted, rapid manner, if all partners work together innovatively. Those interested in similar projects are more than welcome to work together with Phoenix Solar in their respective regions, to establish such values and to help our world escape the climate trap.

Surrounded by vineyards, the solar park provides the region with environmentally friendly electricity.

