RÖHM SUN PARK Mietingen-Baltringen





System name:	Röhm Sun Park, Upper Swabia	
Operator:	Sonnenpark Röhm Oberschwaben GmbH & Co. KG	
Projectmanagement:	Lörz & Company	
Location:	Mietingen-Baltringen (Germany)	
Commissioned:	December 2006	
Completion time:	23 days	

Technical data

Rated system power	1,056 kWp
Annual energy yield	approx. 1,000,000 kWh
Feed-in tariff/kWh	EUR 0.406
Feed-in tariff p.a.	approx. EUR 406,000
CO ₂ -savings p.a.	approx. 932,000 kg*

No./type of modules	6,524 x Phoenix PHX-160V (162 Wp)
Inverter	2 x SMA SC 500 HE
Construction type	ground-mounted system, rammed substructure
Tilt angle	30°
Frame technology	Phoenix ground-mounted single-row frame for crystalline modules
Orientation	south

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

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Ensures the energy supply of the ecologically oriented holiday and leisure park: the 1,06 MWp solar power plant.

"The realisation of the solar power plant within just 23 days is simply unbeatable. No project can run any more smoothly than this one has."

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Ecologically oriented recreational facility

Röhm Sun Park in Upper Swabia, Germany, was introduced to the public in an inaugural celebration on 15/06/07. This solar power plant, on the former site of a gravel excavation area belonging to the company Röhm, was built as the first construction project for a new holiday and leisure park which is situated south of Ulm, and which has an ecological tourist orientation. With a total capacity of 1.06 MWp, the power plant now ensures the leisure park's energy supply, and thus serves as a basis for all subsequent construction projects.

The system, with a total of 6,524 Phoenix PHX-160V modules, was constructed in a record time of just 23 workdays – an achievement which was only possible due to extraordinary construction cooperation between the projectpartners Phoenix Solar, Lörz & Company and the company Röhm. Thus, the earthwork and the installation of the fencelines were conducted by Röhm, and the subsequent realisation of the substructure as well as the installation of the modules and of the two central inverters was performed by Phoenix Solar.

Thanks to Phoenix Solar's reliable project management, it was possible to connect the solar power plant to EnBW Biberach's grid already in December 2006, which was highly advantageous for the customer, as the more favourable feed-in tariffs of 2006 could be used for the next 20 years.



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