SOLARPARK HAIMHAUSEN Haimhausen, Germany





Project data

System name:	Solarpark Haimhausen I	Solarpark Haimhausen II
Operator:	Kommunalunternehmen Haimhausen	Amper Solar
Energy company:	E.ON Bayern AG	E.ON Bayern AG
Location:	Haimhausen (Germany)	Haimhausen (Germany)
Commissioned:	July 2006	July 2010
Completion time:	11 weeks	9 weeks

Technical data

	Haimhausen I	Haimhausen II			Haimhausen I	Haimhausen II
Rated system power	1.120 MWp	2.552 MWp		No./type of modules	6,912 x Phoenix PHX-160S (162 Wp)	9,450 STP270-24/Vd
Annual energy yield	approx.	approx.		Inverter	SMA SC 1000 MV	SC 630 HE-11
Equivalent to the power	approx.	approx.		Tilt angle	30°	28°
consumption of	266 families**	702 families**		с. н. н. н.		
Feed-in tariff/kWh	EUR 0.406	EUR 0.2843		Construction type	grouna-mountea system	
					ground-mounted frame with single-row rammed substructure	
Feed-in tariff p.a.	approx. EUR 432,000	approx. EUR 798,000		Frame technology		
CO ₂ -savings p.a.	approx. 611.80 t*	approx. 1,614.03 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)

C Phoenix Solar AG

SOLARPARK HAIMHAUSEN Haimhausen, Germany



Peter Felbermeier, member of the operating company's executive board "Kommunalunternehmen Haimhausen".

"At first, I was still somewhat sceptical about solar technology on the whole. But after talking with Phoenix Solar, I quickly became convinced. Our solar power plants are a real plus – for everyone."

Clean electricity for all – additional income for the community

The community of Haimhausen in the German district of Dachau is setting an example of how ecological demands and economic interests can be combined. In the year 2006, the local council decided to give the green light to renewable energy sources by constructing a solar power plant. And although the operators and the public were initially somewhat sceptical about the project, the plant was constructed.

For Phoenix Solar, this project was the first solar power plant to be realised on a communal level. In just eleven weeks, the system with a total of 6,912 Phoenix PHX-160S solar modules and a total capacity of 1.1 megawatts was built and connected to the grid. After the successful implementation, the municipality and its citizens decided to expand the solarpark. Phoenix Solar was commissioned again to install another 9,450 crystalline modules (STP270-24/Vd) within only 9 weeks.

The overall capacity of this second section is with 2.55 MWp twice as powerful as the first one. The operator and the citizens are both likewise still enthusiastic about the generated yields. Moreover, the community of Haimhausen is very proud of its contribution to reduce the CO_2 -output by means of other renewable energies, such as geothermal energy.

