

SOLAR PARKS JOCKSDORF & PRESCHEN Neiße Malxetal, Germany



Project data

System name:	PV Anlage Jocksdorf	PV Anlage Preschen	
Operator:	Fangana Mobilien-Verwaltungs- gesellschaft mbH	Ragna Mobilien-Verwaltungs- gesellschaft mbH	
Energy company:	envia Verteilernetz GmbH	envia Verteilernetz GmbH	
Location:	Jocksdorf, Neiße Malxetal, Germany	Preschen, Neiße Malxetal, Germany	
Commissioned:	May 2010	December 2010	
Completion time:	22 weeks	12 weeks	

Technical data

	Jocksdorf	Preschen		Jocksdorf	Preschen
Rated system power	8.034 MWp	10.044 MWp	No./type of modules	55,360 units First Solar FS275 & 50,092 units FS277	129,600 units First Solar FS-277
Annual energy yield	approx. 7,714.8 MWh	approx. 9,651.4 MWh	Inverter	Xantrex GT500 E	Xantrex GT500 E wired with modules by Phoenix Solar PV array combiner box
Equivalent to the power	approx.	approx. 2,412.9 families**			
consumption of	1,928.7 families**		Construction type	Ground-mounted system	Ground-mounted system
Feed-in tariff/kWh	EUR 0.2843	EUR 0.2843			
			Tilt angle	25°	25°
Feed-in tariff p.a.	approx. EUR 2,193,316	approx. EUR 2,743,893			
			Frame technology	Habdank	CWF
CO ₂ -savings p.a.	approx. 4,436.01 tons*	approx. 5,549.56 tons*	Orientation	South	South

* Source: The evolution of carbon dioxide emissions within the German power mixture 1990-2008: 0.575 tons CO, 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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Dr. Klaus Wolf Managing Director, KGAL GmbH & Co. KG

"At KGAL we want sustainable success for our investments, which hinges on having the right financial and technical preconditions. Our double solar park in Jocksdorf and Preschen fulfils these conditions, with predictable return and safe technology. In Phoenix Solar, we have a partner who also makes a contribution to our successful track record in renewable energies investments."

Old military airbase becomes an energy terminal

KGAL and Phoenix Solar have been implementing solar projects together for many years now: now seventeen in total with this project. 20 years of guaranteed feed-in remuneration and reliable technology provided by Phoenix Solar form the basis for stable cash flows which can be reliably forecast.

Jocksdorf

With a nominal output of more than 8 MWp, the photovoltaic plant situated in the boundary area of Jocksdorf is the smaller half of a solar park which puts a military conversion site to new commercial use. As the EPC contractor, Phoenix Solar had its construction work cut out for it, including removing munitions and coping with an archaeological find – a special first for the experienced power plant construction team.

Preschen (Image below)

Separated from Jocksdorf by three kilometres of runway, its other half, the 10 MWp power plant at the bounds of Preschen, has been generating solar electricity since December 2010. Keeping to the deadline, despite winter flooding with the whole construction site underwater, with precision drilling to anchor the frames in the runway concrete enabled the plant to go online early. What is more, Phoenix Solar's PV array combiner box for large-scale power plants was used for the first time in Preschen. Along with functional advantages and irrespective of the inverter type, this combiner saves on costs.

