

SOLAR POWER PLANT TEMPLIN

GROSS-DÖLLN, GERMANY

LOCATION	Former military site in Gross-Dölln near the city of Templin
NOMINAL POWER	45.9MWp
MODULE TECHNOLOGY	First Solar thin film technology
AREA	212ha
CONSTRUCTION TIME	4 months
EEG FEE CAPABLE	30.09.2012
COMMISSIONING	End of December 2012
SYSTEM COMPONENTS	1,511,175 solar modules; 57x inverter stations with each two SMA SC-900CP XT Outdoor; BELECTRIC substructure and cabling system Extended grid integration through dynamic control of reactive power Remote monitoring and control of the solar power plant in real-time
TOTAL YIELD PER YEAR	Approx. 126m kWh = annual consumption of 30,500 4-person households
CO ₂ -REDUCTION	23,800t/p.a.



The former special-purpose landing strip of the USSR was the largest military airfield in Europe from 1955 to 1994. The area had to be cleared up from ordnance, pollutants and waste before construction was able to start. Over 220,000 tons of waste had to be removed from the site in the preparation phase. Approximately 1.3 tons of ordnances were removed by the explosive ordnance disposal service. Due to the special size of the power plant and the politically predetermined tight schedule, more than 400 people had been working simultaneously on site, from which 300 people were employed directly from this region. 20 local partner companies are involved in this project.



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