FORMER AIRFIELD OF FÜRSTENWALDE

Country: Germany
Region: administrative district of Oder-Spree/Brandenburg
City: Allstedt
Types of plants involved: Photovoltaic Power Plants
For additional information: http://www.solarhybrid.ag/
Timescale: August – October 2011

• **General description:**
Acting as general contractor, solarhybrid AG constructed the solar power plant with a capacity of approx. 40 MW on the site of a former military airfield in Fürstenwalde/Spree, Germany.
For solarhybrid, the Fürstenwalde project has a total contract value of 76 million euros. solarhybrid's client and investor is Deutscher Solarfonds Stabilität 2010 GmbH & Co. KG, which was founded by Altira Renewables Management GmbH. Commerzbank AG is providing the external financing.
solarhybrid alone was in charge of the project development – from the very first idea through to being ready for building and acquiring the necessary building permits. Purchasing the property from the Neuhardenberg branch of Airport Development A/S formed the basis for the project. solarhybrid's trusted partners from prior projects are also involved, with Suntech providing the photovoltaic modules, inverters coming from SMA, mounting technology from Mounting Systems and planning as well as installation being carried out by Conecon and Enerparc, respectively.
(*http://www.solarhybrid.ag/Fuerstenwalde.ref_fuerstenwalde.0.html?&L=2*)

WHAT CONTRIBUTED TO THIS PROJECT'S SUCCESS?

• **Success Factors**:
A benefit for both the Oder-Spree region and the environment
In order to achieve the goal that the solar power plant is connected to the grid till October 2011, up to 350 employees have been on site. So a rapid construction proceeds were possible. This includes a large number of employees from the region. The power plant generates about 36.5 million kilowatt-hours (kWh) of electricity annually, enough to cover the requirements of 10,500 households. With a reduction in CO_2 emissions of 733,000 tonnes over its 20-year lifespan, the plant plays an important role in reducing greenhouse gas emissions and expanding the use of renewable energies. In addition, the city of Fürstenwalde and the municipality of Steinhöfel can count on receiving substantial corporate tax revenues over the next 20 years.

Picture 1

Photovoltaic power plant in Fürstenwalde (Germany) with a nominal power of 39.5 MWp_{eak} covering an area of 89 ha.

Picture 2

Photovoltaic panels from Suntech Power International Ltd. 62,832 Suntech $225W_{peak}$,110,880 Suntech $230W_{peak}$

Picture 3

Mounting Technology of the power plant comes from Mounting Systems GmbH Sigma, the inverters from SMA Solar technology AG, 40 SMA SC 780 CP, 6 SMA SC 720 CP

Picture 4

Finished solar power plant in Fürstenwalde after 10 weeks construction time. The annual output is about 36.5 Mio. kWh/a and the reduction of CO_2 emissions is about 733,000 t / 20 year lifespan.