

***** Pressemitteilung *** Press Release*****

11.12.2007: Solar*Tec AG builds worldwide largest PV power plant

Solar*Tec AG is going to build the PV power plant "Lieberose" for Solar Projekt GmbH on a former Russian military training area near Peitz in the federal state of Brandenburg, Germany.

Michael Lindner of Solar Projekt GmbH and Solar*Tec AG have closed a corresponding agreement. The PV power plant will be erected on an area of 142 Hectares (of a total of more than 300 Hectares), which is equivalent to an surface area of more than 200 football fields, and has a power of 50 Megawatt. As the world's largest power plant it will generate electricity for approximately 15,000 households. The operation of the PV power plant is guaranteed for a time of 25 years by the articles of the local communality as well as the contract of lease. After termination of the lease the complete PV power plant will be dismantled.

Currently, the military training area is polluted with tons of dangerous ammunition and explosives which cause a constant threat to the ground water. The whole area will be stubbed and cleared from ammunition by mid 2008. The construction of the power plant will then take until the end of 2009. This is a very good example of a positive utilisation of a highly polluted and environmentally extremely dangerous area.

This project marks a new dimension in the construction of solar power plants. For the first time the accommodation of more than 100 construction workers as well as the logistical problem of on schedule delivery of more than 1,000 40 feet containers with modules, support structure, other materials and 30 central inverters with a weight of 50 tonnes each need to be solved. The whole system requires twice as many mounting frames as conventional PV power plants due to the fact that new thin film modules are to be used. The new generation of thin film modules are cheaper than crystalline silicon modules and have a higher performance ratio at low light levels and diffused irradiance, which are typical conditions for Germany. Solar*Tec AG has developed a new mounting frame especially for the application with thin film modules. This new frame has an adjustable declination and uses 40% less material in comparison to standard mounting frames. At the same time improved static load, which withstands severest snow and wind conditions. Solar*Tec's internal patent department is currently applying for a patent for the innovative features of the new mounting frame.

Such material and cost saving innovations are necessary in view of the digression of the German feed-in tariff and enable Solar*Tec AG to build PV power plants at prices, which are still attractive enough for investors.

The total volume of the project accounts to approximately 165 million Euro.

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The Energy of the Future

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