

Oerlikon Solar: First contract in mainland China for full vertically integrated thin film solar production line

Beijing, 24 April 2008. – *Oerlikon Solar and Baoding Tianwei announced today the contract signing for a turnkey thin film solar module production line. The initial production capacity will be 46.5 MWp (Megawatt peak) per year. The deal includes all major thin-film solar module production equipment including metrology and testing facilities. In the coming months the machinery will be shipped, installed and commissioned by a team of Oerlikon Solar experts. The project site is located in Bao Ding.*

China and the Asian solar energy market are becoming increasingly important, and Oerlikon is well positioned to serve customers in this region. Oerlikon Solar's decision to expand production capacity by opening a new site in Singapore is one example of the company's global reach and commitment to serve customers in Asia. "With this major order we expand our footprint in Asia entering one of the most attractive solar markets worldwide", states Dr Uwe Krüger, CEO Oerlikon. Oerlikon already can refer to two Asian customers, CMC and Auria Solar, both located in Taiwan. Within record time CMC together with Oerlikon specialists ramped up the solar factory. Pilot production at CMC has been started whereas manufacturing at full capacity level is scheduled for this year. "That clearly shows not only our ability to deliver on our promises but the field proven thin film silicon technology and solutions as well", says Jeannine Sargent, CEO Oerlikon Solar.



Page 2 **Oerlikon Solar turnkey solution**

The advanced Oerlikon Solar production line enables highly cost effective manufacture of thin-film silicon modules. The turnkey, end-to-end solution embraces the entire production process from glass cleaning and in-line inspection to testing of the finished solar modules. Another differentiating element is that Oerlikon Solar will provide its full-service package for commissioning the process equipment and securing production ramp-up. This agreement includes Oerlikon's entire metrology system for quality control, the "back end" of module production and its proprietary process technology. Of critical importance are the Oerlikon Solar proprietary TCO layers that play a central role by trapping the light in the photovoltaic thin-film maximizing the conversion efficiency. "Our capabilities to enhance the efficiency of proven thin-film silicon solar modules result in a direct reduction of cost of ownership. This is a major advantage for our customers in gaining market share", says Sargent.

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Oerlikon Solar offers cost-effective, proven turnkey solutions for the mass production of thin-film silicon solar modules. These fully automated, modular end-to-end manufacturing solutions are focused on reducing device cost and maximizing productivity. They are available as modular end-to-end solutions with metrology and upgradeability in throughput and process technology.

Oerlikon Solar has developed a unique and innovative technology based on its leadership in thin-film technology and in close cooperation with its customers. An in-house pilot line allows producing, testing and optimizing the solar modules in full production size.

Headquartered in Truebbach, Switzerland, Oerlikon Solar maintains an R&D lab in Europe, as well as global customer support and training through sales and service centers in the United States, Europe and Asia. Oerlikon Solar's Asian Hub, located in Singapore, is currently being ramped up and will open in the second half of 2008.

About Baoding TianWei SolarFilms Co., Ltd.

Baoding TianWei Solarfilms Co., Ltd is a subsidiary company of Baoding TianWei Baobian Electric Co., Ltd (Tianwei Baobian, a listed company in Shanghai Stock Exchange with the stock code of 600550).

As the most important leading company in China transformer industry and a famous transformer supplier in the world as well, TianWei Baobian has already become one of the biggest transformer manufacturers all over the world together with Siemens and ABB.

Tianwei Baobian has been paying closely attention to the world development trend of energy. With acute market foresight and advanced strategic insight, TianWei Baobian adjusted its industry structure timely and entered into the renewable energy industry in 2002. So far TianWei Baobian has been one of the famous companies of PV industry in the world and has become the only company in China with core products and services substantially covering the entire PV industry value chain from multi-crystalline ingots, wafers, PV cells, PV modules and PV systems manufacturing to PV system installation. TianWei Baobian has already provided high quality PV modules to PV system integrators and distributors located in various markets around the world.

Baoding TianWei Solarfilms Co., Ltd., founded in January, 2008, jointly with top experts from prestigious research institutes, designs, manufactures, sells and installs a-Si PV



Page 4 *modules and related accessories. The company will invest RMB 1 billion for Phase I and the annual capacity of Phase I is expected to reach 46.5MW per year.*