

Oerlikon Solar Customer Tianwei SolarFilms Signs One of the Largest Deals in Thin Film Silicon PV History with Thailand Green Energy

EU PVSEC Hamburg, 21 September, 2009. — *Just three weeks after production officially began, Oerlikon Solar’s Chinese customer Tianwei SolarFilms has signed one of the largest deals in thin film silicon PV history with Thailand Green Energy Co., Ltd. Under the terms of this agreement, Tianwei SolarFilms will provide 70MW of thin film solar panels to rapidly emerging markets across Southeast Asia. “We are already seeing significant market opportunities for our cutting-edge solar PV modules. Our decision to go with the clear market leader, Oerlikon Solar, is already paying dividends”, explains Mr. Ma Wenxue, General Manager, Baoding Tianwei SolarFilms Co., Ltd.*

“We congratulate Tianwei on securing this landmark agreement, which demonstrates both the rapidly-growing market for solar energy in the Asian market and the advantages offered by our own fast-ramp thin film PV production technology,” comments Jeannine Sargent, CEO, Oerlikon Solar. “This deal is just the latest milestone on the journey towards making solar power economically viable and we look forward to working together with our customer’s rapid development”, she adds.

At Tianwei SolarFilms, Oerlikon Solar has installed its **amorph I**HIGH PERFORMANCE, a technology using a special high-performance front and back contact method in its production lines. A Low Pressure Chemical Vapor Deposition (LPCVD) process is used to generate a Transparent Conductive Oxide (TCO) layer, which is superior to conventional methods. The light transmission and scattering properties of this layer are very important to achieve

the efficiency with which the solar module is able to convert sunlight into electrical energy. The high performance of the Tianwei PV modules and the outstanding line productivity clearly demonstrate Oerlikon Solar's technological leadership in this market.

“Just one more milestone in Oerlikon Solar's mission to make solar power economically viable “

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About Oerlikon Solar

Oerlikon Solar offers field-proven equipment and end-to-end manufacturing lines for the mass production of thin film silicon solar modules. Engineered to reduce manufacturing cost and maximize productivity, its end-to-end solutions feature high yield production with high equipment uptime, and low maintenance requirements.

The production lines are complete systems, yet modular and upgradeable in both throughput and process technology. As a global leader in thin film PV technology, the company provides its customers with extensive experience in both amorphous and high-efficiency Micromorph[®] tandem technology.

Oerlikon Solar is ranked “global number one solar turnkey line supplier” by VLSI and has been named winner of the 2009 CELL AWARD for the “best technical product for thin film module manufacturing.”

Oerlikon Solar is headquartered in Switzerland, has over 750 employees in 13 locations world wide and maintains sales and service centers in the USA, Europe and China, Taiwan, Korea, Singapore and Japan.

For further information visit: www.oerlikon.com/solar

About Baoding Tianwei SolarFilms Co. Ltd.

Tianwei is an international high-tech company with more than 50 years experience in the energy industry and is the leading company in the power transmission industry and the world’s biggest transformer supplier in output as the only state-owned enterprise in China with a vertical industrial chain in PV industry. Its affiliate Tianwei SolarFilms Co and specializes in designing, manufacturing, selling and installing thin film solar modules and related accessories. Located in the National Renewable Energy & Equipment Industry Base, with its well-recognized R&D teams and facilities Baoding Tianwei SolarFilms Co., Ltd. invested about RMB 1.2 billion for Phase 1 and a capacity of round 50 megawatts.

About Thailand Green Energy

Thailand Green Energy Co., Ltd. is a branch of Be Green Solar Group, encouraged and supported by Thailand’s solar energy policy with the aim to set up large solar farm projects. The conglomerate already owns legal permissions for solar power plants in Thailand. Its main business is PV Solar Power Project, which includes the design, installation, test, maintenance of Solar Power Plant.