

Press Release

Phoenix Solar completes largest commercial photovoltaic rooftop installation to use 5.7m² tandem junction modules

- **380kWp is Singapore's largest thin film system**
- **Proof of concept for rooftop installation of 5.7m² format**

Singapore, 13 April 2010 / Phoenix Solar Pte Ltd (Phoenix Solar) has completed Singapore's largest commercial photovoltaic (PV) rooftop installation, using the latest tandem junction thin film technology in solar modules of 5.7m² format, on Applied Materials' new Singapore Operations Centre. This is the first commercial rooftop worldwide to use such modules.

The solar PV modules were manufactured by Sunfilm AG in Germany and ENN Solar in China, using Applied Materials' SunFab Thin Film Line™, a fully integrated thin-film production line for either single junction or tandem junction thin film PV modules. Measuring 2.2m x 2.6m, these are the world's largest and most powerful mass-produced solar PV modules. Large modules can save installation time and costs by reducing the number of module clamps and cable connections.

"At approx 105kg, yet only 8mm thick, handling and installing these modules presented a number of challenges for the installation team. We are extremely proud of the entire project team for their innovative engineering solutions", said Christophe Inglin, Managing Director of Phoenix Solar Pte Ltd. "The end result is well worth the effort they spent to specially design and engineer the module mounting structure."

Phoenix Solar Pte Ltd
209 Syed Alwi Road
Singapore 207742

Contact:
Ms Chee Yeen Yee
Commercial Director
Tel: +65-6511 9339
Fax: +65-6511 9333
info@phoenixsolar.sg



In addition to the 380kWp of 5.7m² tandem junction modules, the project includes 4.8kWp of semitransparent thin film BIPV modules in four roof skylights, and 14.4kWp multi-crystalline modules, bringing the entire system to 400kWp.

Phoenix Solar introduced a research grade weather station and a renewable energy management system that goes well beyond standard monitoring systems for individual PV systems. It allows the client to coordinate, aggregate and compare data from multiple PV power plants installed worldwide.

“The new system is an excellent showcase for our SunFab technology and is accessible to anyone who visits our new Singapore Operations Center”, said Russell Tham, President of South East Asia. “Phoenix Solar installed the system in a matter of weeks and with the highest level of professionalism. We are very pleased with the results”.

Applied Materials' new 32,000 square metre operations centre will serve as a hub for the company's activities throughout Asia. The building has been rated Green Mark Platinum by Singapore's Building & Construction Authority (BCA).

The building and solar PV system will be inaugurated on 13 April 2010.



For media inquiries and interviews, please contact:

Ms Chee Yeen Yee

Tel: +65-6511 9339

About Phoenix Solar Pte Ltd

Phoenix Solar Pte Ltd (Phoenix Solar), Singapore is the Asia headquarters of Germany-based Phoenix Solar AG, a leading international solar photovoltaic (PV) systems integrator. Phoenix Solar designs and installs ground-mounted and rooftop PV power plants including BIPV systems for industrial, commercial and residential buildings. Phoenix Solar also designs and supplies PV systems for village electrification and industrial applications. For more information, please see www.phoenixsolar.sg.

About Applied Materials

Applied Materials, Inc. (Nasdaq:AMAT) is the global leader in Nanomanufacturing Technology™ solutions with a broad portfolio of innovative equipment, service and software products for the fabrication of semiconductor chips, flat panel displays, solar photovoltaic cells, flexible electronics and energy efficient glass. At Applied Materials, we apply Nanomanufacturing Technology to improve the way people live. Learn more at www.appliedmaterials.com.