

MBIPV Industry News Q3/2009

PV Industry Development and Enhancement Program

Editorial

Dear MBIPV and Industry Stakeholders

Based on recent media news we can expect changes for the future energy supply in Malaysia. Nuclear, hydro seems to become the working horse and renewable energies (with photovoltaic as a key new growth sector) will be complementing the conventional baseloaders. The Ministry of Energy, Green Technology and Water is studying the possibility of adopting a feed-in tariff mechanism for the use of renewable energies. The source of fund to support the feed-in tariff is supposed to be a levy from the electricity tariff.

Changes are also happening within our MBIPV team. En. Nazri and Mr. Daniel – both responsible for the local PV business development – are leaving the project team effectively by 11th September 2009. For any future inquiry on the industry enhancement activities please contact Ir. Hadri or Mr. Vincent. For other information regarding the activities in MBIPV please send an email to infopv@mbipv.net.my. Please visit also our website www.mbipv.net.my for further information on events and facts & figures.

MBIPV News

2nd National PV Conference 2009 in Putrajaya, 17th November 2009

Following the resounding success of the National PV Conference 2008, MBIPV Project will be organizing the 2nd National PV Conference (2009) on 17th November 2009. The event will cover a PV exhibition for companies to showcase their PV products and services, and a conference as platform for exchange of PV knowledge and business networking. Prominent speakers include Dr. Hermann Scheer, Dr. Shawn Qu, CEO of Canadian Solar Inc, Dr. Murray Cameron, VP EPIA and representatives from Sunpower, Q-Cells and First Solar, all locally manufacturing. Please visit <http://www.mbipv.net.my/NPVC2009.html> for more information on the event.

SEA PV News

Phoenix Solar (Singapore) Installs a 250 kW PV System at Changi Airport (Budget Terminal)

This project will be a first for South East Asia, because no PV plant has been installed at a commercial airport in SEA, and it will be the first commercial application of First Solar modules in Singapore. The modules will cover a rooftop area of about 2,500 m² and are expected to generate over 280 MWh/year. This project is supported the Clean Energy Research and Test-bedding (CERT) program launched by the Economic Development Board and Clean Energy Program Office. CERT supports this project with an aim of providing opportunities for companies to develop and test-bed clean energy applications and solutions using government buildings and facilities in Singapore.

Asia PV News

Taiwan Government Initiatives to Stimulate Green Energy Industry



National Stadium in Taiwan with PV

The Taiwan government has started several initiatives aimed at supporting the growth of the domestic green energy industry, which is helping to cut carbon emissions and make better use of renewable energy. In the next five years, the government will invest a total of US\$1.4 billion to boost the industry. The government aims to increase industry revenue to US\$47 billion by 2015, from last year's US\$5 billion. By 2015, the industry is expected to account for 6.6% of the total revenue of Taiwan's manufacturing industry and create 110,000 jobs.

Suntech Power Plans a 500 MW PV Power Plant in Panzhihua, Sichuan Province, China

Suntech will build a 500 MW project in Panzhihua, Sichuan Province and is planning to invest US\$1.2 billion for the turn-key project. A system price of US\$2.4/Wp is forecasted and a potential feed-in tariff of US\$0.16/kWh has been proposed to the Sichuan Province Government. Attractive power contracts and further declining systems cost will be the key for rapid growth in China and potentially lead to a market much bigger than expected in the near future.



International PV News

High Potential PV Market California in Danger

The solar industry is desperately looking for new markets as the Spanish market collapsed this year. Many eyes are focused on the US and in particular California as one of the markets with the highest potential with abundant sunshine, several incentive programs, high electricity prices, good infrastructure and the best developed US State market. Some experts say it will take less than 3 years before solar electricity generated in California is cheaper than electricity from the grid for residential consumers. Will this sunny State turn into a gigawatt market soon? With U.S. president Obama strongly supporting renewables, the secured and uncapped 30% Federal Tax Credit, and several State and local incentives, the solar future for California looks promising. However, because of the financial crisis and state policies not allowing to increase the tax, California is having liquidity problems and Governor Schwarzenegger is forced to take drastic measures to cut spendings in state programs. The state government is already forced to issue 'IOU' (I owe you) notes to creditors and civil servants. Most public projects have been halted and the promising PV market in California may be the next target for further budget cuts.

Solar Spot Price Tracker (August 2009)

The latest Average Selling Prices (FOB manufacturing country, no taxes included) are for First Solar modules (10% panel-level efficiency) at US\$1.60 per Watt, US\$2.00 for Chinese crystalline modules (about 14% panel-level efficiency), US\$1.50 for tandem a-Si (8% panel-level efficiency) and US\$1.30 for single junction a-Si (6% panel-level efficiency). However, it is expected that these prices may increase slightly over the next months because of revived demand in Germany, Japan and the eased access to finance in the USA. Further, China has announced to raise prices for solar wafers and cells due to an increase in spot quotes for polycrystalline silicon (poly-si) from US\$55/kg to US\$65/kg.

For Q3 2009 No Recovery in Sight

Watch out for weak Q3 results in the solar industry. Although module shipments and installations have improved, they are not in line with what is expected from the financial sector. The continued drop in module prices, as well as limited availability to credit are going to weigh on solar earnings. Many PV enterprises (e.g. Evergreen Solar, Unisolar, etc.) will have write downs in inventory and receivables. The end of the year (Q4) will be better, but not be good enough to match guidance provided by most solar companies. Thus, we can expect compressed margins and the profits will be squeezed.

September 4-6, 2009 Chengdu Solar Energy Fair 2009 & Chengdu New Energy International Forum Chengdu, China www.sc-pv.com	September 21-25, 2009 24th European Photovoltaic Solar Energy Conference & Exhibition (EU PVSEC) Hamburg, Germany www.photovoltic-conference.com	October 11-14, 2009 ISES Solar World Congress 2009 Johannesburg, South Africa www.ises.org
September 9-10, 2009 Conference: Solar Economics Forum USA Washington, DC, USA www.greenpowerconferences.com	September 29 - October 2, 2009 Conference: Solar09 Townsville, Australia www.anzsos.org	October 27-29, 2009 Conference & Exhibition: Solar Power 2009 Anaheim, California, USA www.solarpowerconference.com
September 15-17, 2009 Solar Convention Las Vegas 2009 Las Vegas, Nevada, USA www.solarconventionlasvegas.com	September 30 - October 2, 2009 Trade fair: Semicon Taiwan 2009 Taipei, Taiwan www.semicontaiwan.org	November 9-13, 2009 19th International Photovoltaic Science and Engineering Conference and Exhibition Jeju, South Korea www.pvsec19.kr
September 16-18, 2009 Conference & Exhibition: Clean Energy Expo Singapore 2009 Singapore www.cleanenergyexpochina.com	October 7-9, 2009 Conference & Exhibition: PV Taiwan 2009 Taipei, Taiwan www.pvtaiwan.com	November 9-11, 2009 Conference: Solarcon India Hyderabad, India www.solarconindia.org

Following links provide further information on industry and country news:

- www.solarbuzz.com
- www.epia.org
- www.renewableenergymagazine.com
- www.iea-pvps.org
- www.solarplaza.org
- www.prometheus.org
- www.photon-magazine.com
- www.renewableenergy.com
- www.refocus.net
- <http://en.china-solarenergy.com>
- www.enf.cn
- www.marketwatch.com

PV Stock Market News

Important Events

Further Information

The MBIPV project is a national project initiated by the Government of Malaysia with co-financing from Global Environment Facility whose fund is disbursed through the United Nations Development Programme.

The MBIPV project objective is to reduce the long term cost of the BIPV technology in Malaysia. This is achieved through the widespread implementation of BIPV applications and creation of enabling environments on policy and industrial side in Malaysia. To have further information on MBIPV, please visit www.mbipv.net.my.