

# MBIPV Industry News Q2/2007

## PV Industry Development and Enhancement Program

### Editorial

Dear MBIPV and industry stakeholders,

In a few short years, the PV industry has exploded, going from an industry that easily survived off the table scrapes of the integrated circuit industry to one that dominates the world usage of silicon. Such growth is not without risks and set-backs. PV cell and module manufacturer added new capacity to their production lines, buying what ever supply was available to spot market prices often 5 to 8 times higher than market prices in 2005. New companies entered the PV business to benefit from the high profit with PV products but found themselves within few months with idling equipment or even bankruptcy. Competency in the respective manufacturing, good international network and an excellent understanding of the worldwide PV market are a MUST before entering the PV business. It is similar to the development of PV system installers. System integrators or service providers have had to add to their ranks with little formal training available to help them become competent and to meet market demand. But to provide satisfactory service one needs to be competent and trained in the tasks performed. Thus, to ensure a successful business and satisfied customers the company should address its competency and how to improve. **Often quantity is driving the market - but quantity AND quality drive your business to success.**

For further information regarding the activities in MBIPV and its components, or the industry enhancement activities or if you are interested to send us your feedback, please send an email to [nazri@ptm.org.my](mailto:nazri@ptm.org.my) or call Mr Nazri (03 8943 4300 ext 508).

### MBIPV News

Our project **theme for 2007 is; MBIPV speeding ahead**. In fact, we do – so many activities are ongoing or starting, it would require a newsletter on its own to present them all. We highlight four important MBIPV activities.

**Training for service provider:** The training facility is set-up and the first course has been started. MBIPV requests that PV installers participating in the SURIA1000 program pass the training as 'Approved Service Provider' to ensure highest quality for the end-user. To register for the training please visit the website from UniKL BMI: [www.bmi.edu.my/bipv/index.php](http://www.bmi.edu.my/bipv/index.php)

**SURIA1000:** 30<sup>th</sup> March was the deadline for the 1<sup>st</sup> call and we have received 39 proposals (~160kWp) for 40kWp PV capacity. The winners will be announced officially during the **launching of SURIA1000 by Y.A.B. Prime Minister on 22<sup>nd</sup> June 2007** at IOI Mariott, Putrajaya, starting 3pm. **International and national PV companies are invited to display their products. Participation for the event and the exhibition is free of charge.**

**PV Industry Days:** 20<sup>th</sup>-21<sup>st</sup> August 2007, MBIPV is organizing a two days industry event inviting the local industry stakeholders to meet international counterparts. The event consists of a seminar (two mornings) on PV industry development in Malaysia and learning from European, Asia and the US. Two afternoons are for round table discussion and match-making between local and international PV industry and a small exhibition. The seminar aims to give exposure and increase the awareness for the local industry on the development and opportunities in PV and provides a platform to meet with the PV industry from overseas. The workshop is an IEA-PVPS supported event and the cost for the two days event is RM100, incl. lunch and coffee breaks. For registration please visit our website.



### Malaysia PV News

As at May 2007 around 580kWp cumulative PV capacity has been installed. Two grid-connected PV systems in the building are to be highlighted; one is PTM ZEO and the other a bungalow at Damasara Country Heights. The 4kWp CIS PV system in Damasara Country Heights was commissioned in March



4kWp PV system Damansara Country Heights

2007 and is an attractive example how to install PV even as roof-mounted system. The 92kWp PV system at PTM ZEO (zero energy office) is close to completion and the four different PV systems are installed and ready to be commissioned.



92kWp PV system PTM-ZEO

## Asia PV News

An exciting PV business showcase comes from India; Moser Baer India Ltd, a world leader in removable data storage media, established **Moser Baer Voltaic Ltd** in 2006. Start-up capital was RM60 million and in February 2007 Moser Baer signed a first wafer supply deal with Deutsche Solar. The wafer supply deal was very important to sustain the targeted growth of the company. In March 2007 the first 40MW c-Si cell manufacturing line went online and second line (again 40MW) is planned to be operational in September 2007. Further to their crystalline PV business, Moser Baer signed an order for Applied Materials to develop and install the world's first Gen 8.5 thin film solar module production line. The plan is to get a 200 MW factory by 2009.

## International PV News

### GE builds one of the largest solar facilities in the world

52,000 solar modules make up GE's most recent solar facility, adding up to 11 MW and able to provide power to 8,000 households. After eight months of construction, GE Financial Services, Powerlight (a subsidiary of SunPower Corporation) and Catavento, have inaugurated the 11 MW solar plant, located in the Alentejo, 200 km south of Lisbon, Portugal. The facility, which was purchased by GE last year at approximately \$75 m, has been designed and built by Powerlight, who will also maintain the plant. The area occupied by the plant is equivalent to more than 80 football fields and will save more than 30,000 tonnes of greenhouse gases a year.

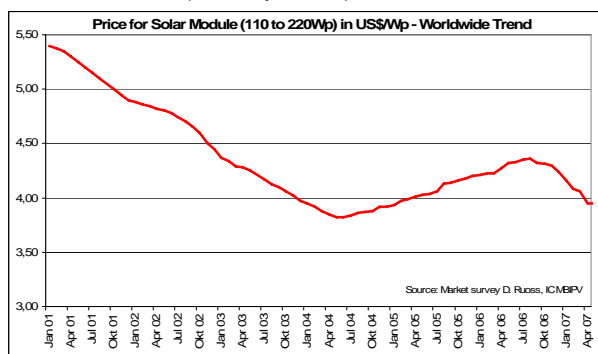


The 6MWp PV system "Rote Jahne" is currently the **world's largest photovoltaic project utilizing thin film modules** from First Solar. It is located in Saxony, Germany and will produce around 6 GWh of solar electricity per annum. Testing and commissioning was in April 2007.

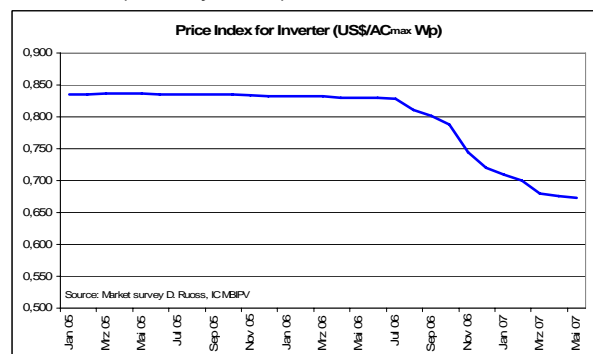
## Price Index

The following graphs present the **worldwide trend for the price of solar modules and inverters**. The prices reflect retail costs and serve as an indication only.

### Solar modules (1<sup>st</sup> May 2007)



### Inverters (1<sup>st</sup> May 2007)



## Important Events

12-13 June 2007  
Renewable Energy Finance Asia  
Singapore  
[www.greenpowerconferences.com](http://www.greenpowerconferences.com)

3-7 September 2007  
22nd EU PVSEC  
Milan, Italy  
[www.photovoltic-conference.com](http://www.photovoltic-conference.com)

24-27 September 2007  
Solar Power 2007  
Long Beach, California, USA  
[www.solarpowerconference.com](http://www.solarpowerconference.com)

27-30 November 2007  
Enviro Asia 2007  
Suntec, Singapore  
[www.enviroasia.com.sg](http://www.enviroasia.com.sg)

21-23 June 2007  
Intersolar 2007  
Freiburg, Germany  
[www.intersolar.de](http://www.intersolar.de)

6-9 September 2007  
China Int. SPE  
Shenzhen, China  
[www.sp-expo.com](http://www.sp-expo.com)

24-25 October 2007  
The Solar Industry Conference 2007  
Madrid, Spain  
[www.solarpraxis.de](http://www.solarpraxis.de)

3-7 December 2007  
17th Asia PVSEC  
Fukuoka, Japan  
[www.pvsec17.jp](http://www.pvsec17.jp)

20-21 August 2007  
Malaysia PV Industry Days  
Putrajaya, Malaysia  
[www.ptm.org.my/bipv](http://www.ptm.org.my/bipv)

18-21 September 2007  
ISES Solar World Congress 2007  
Beijing, China  
[www.swc2007.cn](http://www.swc2007.cn)

31 October - 3 November 2007  
Renewable Energy Indonesia 2007  
Jakarta, Indonesia  
[www.allworldexhibitions.com/](http://www.allworldexhibitions.com/)

## Further Information

Following links provide further information on industry and country news:

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

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.ptm.org.my/bipv](http://www.ptm.org.my/bipv).