

MALAYSIA BUILDING INTEGRATED PHOTOVOLTAIC TECHNOLOGY APPLICATION PROJECT (MBIPV)

- Information on PV Industry Development Program -

1. Background

Globally, the photovoltaic (PV) industry has been growing at over 30% per annum over the last five years and this is expected to continue into the future. Expectations are that it will grow to US\$15 billion per annum in 2010 and in the range of US\$1.5 to \$2.0 trillion by 2030. This growth is supported by worldwide growth in PV applications and market based programs which are widely supported by government programs.

Malaysia, blessed with abundance of solar resources, with stable economic conditions and good access to semiconductor industry, has not been able to take advantage of the global booming of the PV industry. Companies in Malaysia may not be aware of the market potential of PV or maybe they have limited knowledge on the PV value chain, and their potential to tap to this value chain. The Malaysia Building Integrated Photovoltaic -MBIPV- project was launched in July 2005 to promote the widespread installation of photovoltaic systems in Malaysia. MBIPV will establish the desired environment for a long-term market development and set targets for follow-up BIPV programs in the 10th Malaysian Plan and beyond. MBIPV is made up of four main components namely:

- (1) BIPV information services, awareness and capacity building programs;
- (2) BIPV market enhancement and infrastructure development program;
- (3) BIPV policies and financing mechanisms programs; and,
- (4) BIPV industry development and technology enhancement programs.

Component 4 intends to explore the potential business opportunities for Malaysian companies and help them to identify their strengths and weaknesses before entering the PV market and business.

MBIPV project has moved in such timely manner to implement PV industry development and meeting objectives from the 3rd Industrial Master Plan. *Clause 8.51: In 2005, the Government launched the Malaysian Building Integrated Photovoltaic project, aimed at intensifying the usage of solar energy as an alternative source of electricity.*

There are opportunities to attract investment in photovoltaic fabricated wafers, cells, modules, power management system, junction boxes, photovoltaic wires, connectors, mounting metal structures and inverters.

For more information on BIPV and PV please refer to IEA-PVPS Task 7 website

www.iea-pvps.org. To have further information on MBIPV please visit www.mbipv.net.my.

2. Activities in Component 4

The aim of this project component is the development of the local BIPV industry and optimization of the BIPV technology for local conditions in Malaysia and ASEAN region.

- 4.1. **Cost Reduction of Local BIPV Products and System Optimization for Local Conditions:** Research and development activities with support from suitable international collaborators to develop a local inverter for market commercialization. Further system optimization on imported products and mounting structures to meet the requirements for the local conditions. Starting January 2006 until December 2010.
- 4.2. **International Collaboration and Technology Transfer Program:** In tandem with activity to upgrade the local industry capabilities, international collaboration and transfer technology schemes will be developed and initiated. The local industry capabilities will be improved through suitable partnership with foreign companies. International business meetings will be organized to provide matchmaking opportunity between international and local industry. Starting January 2007 until December 2010.
- 4.3. **Upgrading Local BIPV Industry Capabilities:** Assessments of local industry and manufacturer will be conducted. The result of these studies will then be used to formulate a business mechanism or model to start, operate and manage sustainable PV industry companies in Malaysia. The model will be made available as a guideline for companies wanting to start or diversify their businesses into the PV industry. Starting November 2006 until December 2010.
- 4.4. **Establishment of BIPV Quality Control Centre:** To ensure the successful deployment of BIPV technology, two quality control centres will be established to evaluate the quality of mounting structures and inverters. Such a facility will assure the quality and reliability of products. Starting July 2008 until December 2010.

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- Application Form for PV Industry Development Program -

The aim of this survey is to identify and understand the interest of the local industry to diversify their business towards PV.

Please send or fax the form to following address. For inquiries please contact:

Mr. Mohd Nazri
Pusat Tenaga Malaysia
MBIPV C4-IDP
No. 2, Jalan 9/10, Persiaran Usahawan, Seksyen 9
43650 Bandar Baru Bangi, Selangor
Tel: (603) 8921 0800
Fax: (603) 8921 0911
Email: nazri@mbipv.net.my
Website: www.mbipv.net.my

Participant Information

Name :

Position :

Tel No :

Mobile :

Email :

Organization Information

Name :

Address :

Fax No :

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Your company short profile

What is your core business?

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Do you have already contacts with PV industry players?

.....

Year established:

No of employees:.....

Partners:

International principals:.....

Please describe in few words your experience and understanding of photovoltaic:

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Reference projects in PV – if any:

Your interest

Please describe in few words your interest and needs to enter the photovoltaic business. Are you interested in:

Information on PV industry events by email?

Participation in industry missions?

Round table discussions?

Matchmaking meetings/events?

Please describe in few words your area of interest in photovoltaic business:

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Do you have international parties identified for possible collaboration in PV business (if yes, please list)?

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What are your expectations on this PV industry development program?

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What do you see as the critical success factors for this industry development program?

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Have you participated in other industry development program? No

Yes (Please list down some of them)

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Please state the frequency in a year you would like to receive information on PV business events or participate in them:

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Please outline your willingness to participate in the industry development program (financially and human resources) – e.g. covering travel cost for industry missions, etc.:

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Please outline your company strategy with relevance on diversifying towards PV business:

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Thank you for your interest. We will contact you with follow-up information on specific actions in the industry development program.