



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Technical Visit to Malaysia's First Floating Solar System

(Organised by the Electrical Engineering Technical Division in conjunction with AFEO Energy Tour 2016)

Date : 23rd September 2016 (Friday)
Time : 2.00pm – 7.00pm (Assemble at Bangunan Ingenieur by 1.30pm)
(Coach will depart at 2.00pm)
Venue : Sungai Labu Water Treatment Plant, Sepang, Selangor

BEM Approved : CPD/PDP Hours : 3
Ref No: IEM16/HQ/380/V

SYNOPSIS

TNB Research (wholly owned subsidiary of Tenaga Nasional Berhad) together with **Ministry of Energy, Green Technology and Water** has embarked on 100kWp pilot floating solar system in Sungai Labu Water Treatment Plant in Sepang, Selangor. The floating solar plant is installed on the water treatment pond itself supporting up to 432 solar panels and covers about 3.57% of the water surface (0.15 out of 4.20 ha). The installation of PV system on water bodies help minimize water evaporation by lowering the water temperature and reducing the size of water area exposed to air. The cooling effect of the water is also beneficial to the floating PV system as one of the major problem for solar panels is the loss of power with the increase of temperature. The aim of this technical visit is to learn the issues and challenges of implementing floating solar farm in Malaysia.

HIGHLIGHT: In conjunction with AFEO Energy Tour 2016, please be informed that there will be a technical visit to Seri Ulu Langat's 7MW Biomass Cogeneration Plant (morning session) before the visit to Floating Solar System. Do register this separate technical visit with us if you are interested!

Time	Tentative Itinerary
01:30 pm	Registration at Bangunan Ingenieur, IEM
02:00 pm	Bus departure from IEM, PJ
03:00 pm	Introduction and briefing session
03:30 pm	Visit to Floating Solar Farm
06:00 pm	Bus Departure from Sungai Labu Water Treatment Plant

COMMITMENT FEE (INCLUSIVE OF GST)
(Non refundable & Non transferable)
IEM Member: RM60.00
Non Member: RM80.00

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

- The visit is strictly limited to only **Fifteen (15) participants** registered on a first come first pay basis.
- Interested members could register and pay online at IEM website (<http://www.myiem.org.my>); OR register by returning the appended registration form by **15th September 2016** together with the payment.
- Cheques are to be made payable to "The Institution of Engineers, Malaysia".
- **The commitment fee must be settled prior to the visit.**
- After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- Members are also reminded that if a place is reserved, IEM may cancel the reservation if payment is not received.
- If IEM maintained the reserved seat and the intending participant failed to attend the visit on the date of the event, the fee will still have to be settled in full.

Ir. Yau Chau Fong

Chairman, Electrical Engineering Technical Division

- REPLY SLIP – Phone No: 03-79684001/02 Fax: 03-7957 7678

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I wish to participate in the above visit on **23rd September 2016**. I enclosed herewith a cheque No.....for the amount of RM..... as my commitment fee for the visit.

Name:

Membership:

Grade:

Contact Number:

Company Name:

Address :

I will be participating in the visit on my own risk and hereby indemnify fully the IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....
Date

.....
Signature