



# THE INSTITUTION OF ENGINEERS, MALAYSIA

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## TECHNICAL TALK ON “TECHNOLOGY AND CHALLENGES IN THE DEVELOPMENT OF LARGE-SCALE SOLAR PLANT IN MALAYSIA”

Organised by Oil, Gas and Mining Technical Division, IEM  
BEM Approved CPD/PDP Hours: 2 Hours Ref No: IEM19/HQ/481/T

**Date** : 12<sup>th</sup> October 2019  
**Time** : 9.00 a.m. – 11.00 a.m.  
**Venue** : C&S and TUS Lecture Room  
2<sup>nd</sup> Floor, Wisma IEM, Petaling Jaya, Selangor  
**Speaker** : Y.Bhg. Dato’ Ir. Guntor Tobeng & Ir. Abdul Halim Adnan

### SYNOPSIS

Solar Energy is an abundant source of green energy naturally available around the world. It is radiant light and heat from the Sun that is harnessed using a range of ever-evolving technologies such as solar photovoltaics system. The solar energy in Malaysia has become the major focus in the power industry since last 5 years with the Feed-in Tarif then later from year 2017 with Large-Scaled Solar Plant and Net Energy Metering. Malaysia government has set new goal for 20% of renewable energy by year 2030, which largely will come from solar energy. In view of that, Gading Kencana Sdn. Bhd. (GKSB) has been actively involved into this challenge in achieving this government goal.

The solar energy harvesting is very evolving in the new technology and more commercially viable for investment either in small and bigger capacity, for use in residential, commercial and utility application. Almost a third of the Earth's greenhouse gas emissions come from energy sector, so renewable energy sources like this are crucial. Since that utility scale of solar PV projects generate a lot energy, design specifications acquire importance, because their modification cause a huge variation in the production. Keeping the designer in the latest and new technology in the solar energy product is vital to ensure the newer plant would able to cope in the very competitive market.

Utility scale solar plant projects are expanding very fast in Malaysia, also around the world, paving the way for many opportunities for investors and solar EPC contractors with many challenges due to their complexity and very big size. The continuation, this topic will cover the challenges faced by the solar energy entrepreneur in managing the solar energy product. The talk will reveal the different types of risks involved in the solar power plant. Interesting case studies from own and other’s experiences will also be shared to portray and knowledge enhancement as part of has been involved in the solar energy.

### ANNOUNCEMENT TO NOTE FEES

(Effective 1<sup>st</sup> October 2017)

#### Members

Registration Fee : No Charge  
Administrative Fee :  
Online : RM15  
Walk In : RM20

#### Non-Members

Registration Fee : RM50  
Administrative Fee : RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my)

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“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion”.  
For intending participants who choose to ‘walk in without prior registration’, IEM SHALL NOT be responsible for any direct or consequential losses”.

## **SPEAKER BIODATA**

**Y.Bhg. Dato' Ir. Guntor Tobeng** is the Founder and Managing Director of Gading Kencana Sdn. Bhd. He has been personally involved in solar business since 1993. He is an entrepreneur endeavoring into the from small to large scale of renewable energy business, domestically and globally. Y.Bhg. Dato' graduated in B.E Electrical from University Kebangsaan Malaysia in 1986. Dato also is a Practising Electrical Professional and registered with Electrical Energy Managers.

**Ir. Abdul Halim Adnan** is a Practicing electrical professional engineer, 500kV service & 500kV competent engineer with over 35 years in utility scale of power generation sector; from gas-fired power plant, coal-fired power plant, distillation water treatment plant and renewable energy. He graduated from University Technology Malaysia in 1984 with a B.e Electrical. He is currently Operation Director at Gading Kencana Sdn.Bhd.

**Ir. ROZNAN ABDUL RASHID**

**Chairman,**

**Oil, Gas and Mining Technical Division (OGMTD)**