

**Technical Talk on  
Future Engineers as CEOs/Global Professional Technopreneurs  
(The Migratory Path to being a CEO)**

Organised by : Oil, Gas and Mining Technical Division, IEM

**Date** : 16<sup>th</sup> February 2019 (Saturday)  
**Time** : 9.00am to 11.00am (*Refreshments will be served at 8.30am*)  
**Venue** : Auditorium Tan Sri Prof. Chin Fung Kee, 3<sup>rd</sup> Floor, Wisma IEM, Petaling Jaya  
**Speaker** : Prof. (B) Dr. Ir. Maulud Abdul Latif

BEM Approved CPD/PDP Hours: 2  
Ref. No.: IEM19/HQ/028/T

**SYNOPSIS**

With the advent of Industrial Revolution 4.0 compounded with the Globalised and Borderless World phenomenon the role of Professional Engineers has become more challenging.

*"To face up to the challenges of the globalised world, future CEOs must have a thorough understanding of "Engineering Finance" to get the most 'Cost-Efficient' project design and thus obtain the 'optimum' possible yield for the project"* DR Ir Maulud – Engineering Doctorate Thesis, *Universiti Teknologi Malaysia/Warwick* (2005)

*"Businesses of the future will require new strategies, innovation and creativity to ensure their competitiveness. 'Engineering Finance' gives a new and innovative way of developing a viable business model by integrating engineering with finance and other parameters to meet a viable business or project objectives in a very simplified approach...."* Prof DR Hamdani Saidi, Campus Director, International Campus, *Universiti Teknologi Malaysia* (2012)

The short talk will give an insight on using the Engineering Finance methodology in the Conduct of Feasibility Studies. This Engineering Finance methodology will be able to (re)structure projects to **enhance its ROI** and thus gives you a higher profitability and ensure its long-term **sustainability**. Engineering projects, in most cases, is constrained by the financial viability (if it is not viable it would not be bankable). Final decisions are made, unfortunately, by Financial Controllers who may not be well verse in alternative designs that can provide better return to the organization. To bridge this gap, engineers must have the financial acumen to justify their project proposals to make it more attractive to the organization and banks. This Engineering Finance<sup>®</sup> methodology teaches the engineers to generate optional designs to enhance the project ROI (this is a mandatory process in the Engineering Finance methodology) and use the tool called Techno-Financial Model to structure a long-term cash flow that ensure the project's sustainability.

This talk will also delve on the macro-ordinate objective of Engineering Finance in creating **CEOs** who are **Global Professional Technopreneurs**. They will eventually be directors and managers facing heavy responsibilities in a borderless and globalised world.

*"This Engineering Finance methodology could revolutionize the engineering fraternity and change the culture and thinking of Globalised Professional Technopreneurs"* Construction Industry Development Board (CIDB) Conference Malaysia and India (2012)

This Engineering Finance methodology is created by the speaker. He has authored three books, available for sale, as follows:

1. **Project Financial Modelling for Engineers and Accountants Made Easy**
2. **Engineering Finance and Techno-Financial Model for Engineers and Accountants Made Easy**
3. **Engineering Finance – How To Conduct Feasibility Studies for Engineers and Accountants Made Easy** (available only on Google Play and Amazon.com)

**SPEAKER BIODATA**



Prof. (B) DR. Ir Maulud Abdul Latif obtained his **Engineering Doctorate** (EngD) in Engineering Finance from UTM/University of Warwick (UK). He also holds an **MBA Finance** from the University of Queensland Business School (Aust), a B. Sc. (Hons) in **Mining Engineering** from the University of Wales (UK) and a Diploma in **Mechanical Eng.** from Universiti Teknologi Malaysia. In addition, he holds the Dredgemaster Certificate of Competency and is a member of the Board of Engineers, Malaysia, The Institution of Engineers, Malaysia and the Institute of Mineral Engineers. He started his career in Malaysia Mining Corporation in 1977 and have extensive experiences in project feasibility studies (technical, marketing and finance) and mine management. Between 1984 and 1992, he worked with various reputable organizations including

Permodalan Nasional Berhad and the Ministry of Finance (as Corporate Adviser to the Minister of Finance Incorporated). He has acquired vast corporate experience not only in project financing but also in corporate restructuring and turnaround. He was also involved in several privatization (PFI) projects. Since 1992, he was actively involved in project feasibility studies in various sectors such as power generations, renewable energy, coal mining and property development projects in Indonesia, India, Australia and Malaysia. In total, he has 36 yrs of experience in the industry and 4 yrs in the academia. Prof. (B) DR Maulud was also the Business Development and Engineering Finance Advisor to the Selangor Menteri Besar Incorporated on the Klang River Rehabilitation project and the Selangor Water Supply Restructuring Project. He now conducts seminars and workshops on **"HOW TO CONDUCT FEASIBILITY STUDIES"** using the Engineering Finance methodology to Enhance ROI and ensure its long-term sustainability.

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**Ir. Roznan Abdul Rashid**  
Chairman,  
Oil, Gas and Mining Technical Division

**ANNOUNCEMENT  
TO NOTE**

**EFFECTIVE  
1<sup>ST</sup> OCTOBER 2017**

**Members**

Registration Fee : FOC

Administrative Fee :

Online: RM15.00

Walk-In: RM20.00

**Non-Members**

Registration Fee : RM50.00

Administrative Fee : RM20.00

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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