



The Institution of Engineers, Malaysia

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TALK ON THE APPLICATION OF ENGINEERING FINANCE METHODOLOGY IN STRUCTURING A (LONG-TERM) FINANCIALLY SUSTAINABLE PROJECT

(Organised by Oil, Gas & Mining Technical Division, IEM)

BEM Approved
CPD Hours:2
Ref No: IEM13/HQ/017/T

Date : 23 February 2013 (Saturday)
Time : 11.00 am – 1.00 pm (Refreshment would be served at 10.00 pm)
Venue : Tan Sri Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Prof. Madya Dr Maulud Abdul Latif

SYNOPSIS

The primary objectives of Engineering Finance are to *Create Cost Conscious Global Professionals*. Engineering Finance is a sub-set of Engineering using financial methodology to ensure the long-term viability and sustainability of a project.

The talk will delve on:

- Definition and concept of Engineering Finance.
- Fundamental principles of the engineering finance methodology e.g. “Bridging” of “Engineering” with “Finance”, MAL Cost Efficiency Model, Economic Efficiency vs. Engineering Efficiency, Critical Component Analysis etc.
- Applications of Engineering Finance - using mini cases to illustrate the uses of EF methodology in market positioning, product-technology option matrix etc.

Case studies to be used:

- Using the Engineering Finance methodology in Re-engineering of a coal mining concession in Indonesia for listing purposes.
- Using the Engineering Finance methodology for a Private Financing Initiatives (PFI) proposal in a hostel project.

BIODATA OF SPEAKER

Ir. Prof. Madya Dr Maulud Abdul Latif is a Professor in Engineering Finance at the Institute of Hydrogen Economy, Universiti Teknologi Malaysia

Ir. Prof. Madya Dr Maulud Abdul Latif obtained his Engineering Doctorate (EngD) in Engineering Finance at the UTM/University of Warwick. He also holds an MBA Finance from the University of Queensland Business School, a B. Sc. (Hons) Mining Engineering from the University of Wales and a Diploma in Mechanical Eng. from University Technology Malaysia. In addition, he holds the Dredgemaster Certificate of Competency and is a member of the Board of Professional Engineers, Institute of Engineers and Institute of Mineral Engineers.

He started his career in Malaysia Mining Corporation in 1977 and have extensive experience 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 Ministry of Finance. He has acquired vast corporate experience not only in project financing but also corporate restructuring and turnaround. He was also involved in privatization projects. Since 1992 he was actively involved in project feasibility studies in various sectors like power generation, renewable energy, coal mining and property development projects from Indonesia to India, Australia and Malaysia. He was involved in both Technical and Financial engineering of projects from inception to construction and operation. Amongst his consultancy work include re-engineering of two coal mining companies in Indonesia for listing on the Australian Stock Exchange.

Currently he heads the Dept of Renewable Energy Policy and Financial Modelling Studies at the Institute of Hydrogen Economy, Universiti Teknologi Malaysia. In addition, he is also the Business Development and Engineering Finance Adviser to the PFI team on the development of UTM facilities and member of the UTM Innovation Commercialisation Committee, UTM Technical Advisory Council and UTM Centre of Ocean Thermal Energy Technology. He is also involved in the commercialization of strategic facilities using Hydrogen Fuel Cell and Microturbine. Current project being undertaken is the production of biogas from chicken litter for the generation of power for a chicken farm.

Ir. Prof. Madya Dr Maulud Abdul Latif 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.

Ir. Razmahwata Mohd Razalli

Chairman

Oil, Gas & Mining Technical Division, IEM

Announcements to Note:

1. Talk is **STRICTLY** for IEM members only (walk-in).
2. Telephone and/or fax reservation will **NOT** be entertained.
3. Limited seats are available on a "first come first served" basis (maximum 110 participants).
4. IEM members are required to produce your **membership cards** for confirmation of attendance (CPD purpose).
5. Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.

IEM members who fail to produce their membership cards will be charged a fee of RM20.00

FUNDS FOR IEM NEW BUILDING (WISMA IEM)

Kindly be informed that participants will be charged RM10.00 administrative fee for talks organized by IEM. The fee will be used for overhead costs, building maintenance expenses as well as to support the purchase of Wisma IEM. However, students are exempted. Your understanding is much appreciated.

CPD HOURS CONFIRMATION

Name of Member:

M'ship No:

Signature:

Date :