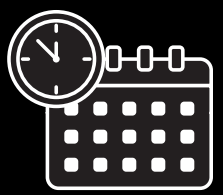




THE MALAYSIAN WATER ASSOCIATION (PERSATUAN AIR MALAYSIA)

MWA MASTERCLASS SERIES 1/2022

Project Financial Modeling



: 12 February 2022 (Saturday)

: 09:30 am - 12:00 noon



: Kota Permai Golf and Country Club

No. 1, Jalan 31/100A, Kota Kemuning, Section 31,
40460 Shah Alam, Selangor Darul Ehsan, Malaysia



IR. DR. MAULUD ABDUL LATIF

- Engineering Doctorate (EngD) in Engineering Finance from UTM / University of Warwick (UK), 2005
- Master Business Administration (MBA Finance), University of Queensland Business School, 1983
- Bachelor of Science (Hons) Mining Engineering, University of Wales Cardiff, 1977

INTRODUCTION

This short talk will give an insight into the Engineering Finance methodology. Engineering Finance is defined as Engineering using financial methodologies to create "Cost Efficient" project designs thus enhancing the return on investment. Thus, Engineering Finance methodology is about Projects Financial Modelling (inter alia, to determine the financial viability of a project). In essence, the Engineering Finance workshops will create Cost-Conscious generation of professionals to face up to the globalization and borderless phenomenon. This Engineering Finance methodology has been successfully applied to few projects in Malaysia, India, Indonesia and Australia and has shown vast improvements in its profitability enhancing its project IRRs, shortening its payback period, improving its cash flow, basically enhancing Wealth.

The Engineering Finance methodology has two tools:

- **Tool no 1: MAL Cost Efficiency Model. This is engineering in nature. It is used in the (re)structuring of project to Optimise/enhance return on investments. It makes the projects more 'Cost Efficient'.**
- **Tool no 2: Techno-Financial Model. This is the financial modelling part used to determine the Project IRR, ROI, payback period, IDC, Wcap etc. It is to ensure long-term sustainability.**

The Engineering Finance methodology is advocating that in the future Engineers, rather than accountants, should be responsible to determine the Financial Viabilities of proposed projects that they design. Engineers and Accountants who does not know how to conduct Feasibility Studies and implement projects will not progress well up the corporate ladder and remain the 'backroom boys'. The ones that will move forward and goes up the corporate ladders are the Business Management Engineers - this is the objective of the Engineering Finance methodology - to create CEO/Global Professional Technopreneurs.

The Malaysian Water Association
(Persatuan Air Malaysia)

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MWA MEMBERS: RM 65.00

NON-MEMBERS: RM 75.00



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Tentative Programme:

- 09:30 am – 10:00 am - Participants registration and light refreshment
- 10:00 am – 10:05 am - **Opening Address by**
Dr. Ir. Ts. Hj. Mohmad Asari bin Daud
President, The Malaysian Water Association (MWA)
- 10:05 am – 11:50 am - **Presented by**
Ir. Dr. Maulud Abdul Latif
Topic: Project Financial Modeling
- 11:50 am – 12:00 pm - Question & Answer Session
- Closing remarks / End

Speaker's Biodata

drtunsri@gmail.com



Ir. Dr. 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 38 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.

The Malaysian Water Association

(P e r s a t u a n A i r M a l a y s i a)

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