



# THE INSTITUTION OF ENGINEERS, MALAYSIA

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## TALK ON "ABOVEGROUND ATMOSPHERIC HYDROCARBONS STORAGE TANKS MAINTENANCE FOR LIFESPAN EXPANSION" (Organised by Oil, Gas & Mining Technical Division, IEM)

Date : **14<sup>th</sup> June 2014 (Saturday)**  
Time : **9.00 am to 11.00 am** (*Refreshments will be served at 8.00am*)  
Venue : **TUS and C&S Lecture Room, 2<sup>nd</sup> Floor, Wisma IEM, Petaling Jaya**  
Speaker : **Ir. Alzakri Ekhwan**

**BEM Approved**  
**CPD/PDP HOURS: 2 hours**  
**Ref No: IEM14/HQ/106/T**

### SYNOPSIS

Aboveground storage tanks are significant assets and commonly found in oil, gas and petrochemical industries. Tanks which are used for storing hydrocarbons are considerably critical and must be diligently maintained throughout their operating life to ensure no leaks or catastrophic failures occur. Maintenance programmes are usually in place but executing these programmes are not as simple as what we normally think.

The talk will provide a sharing of tank experiences and maintenance practices on:

- On-Line Repair (Non Standard Repair)
- Tank Out-of-Service Maintenance.

It will also touch on ways of extending the lifespan of existing atmospheric storage tanks through effective maintenance regimes. These include approaches in tackling floating roof pontoon leak, desludging of crude oil using non man-entry method, dealing with Corrosion Under Insulation (CUI) and conducting middle shell course replacement method safely and cost effectively

### BIODATA OF SPEAKER

Ir. Alzakri Ekhwan is a Principal Engineer for Static Unfired Equipment based in PETRONAS Penapisan (Melaka) Sdn. Bhd. (PP(M)SB) and has more than 20 years of experience in maintenance, design, fabrication, inspection and construction of Static Equipment in the Oil and Gas industry. He was the Staff Engineer and Field Engineering Manager for MG3 Lube Base Oil (MG3) Project and Hydrogen Processing Unit 2 (HPU-2) Project. Prior to that, he was a Senior Inspection Engineer of PETRONAS Penapisan (Melaka) Sdn Bhd and Head of Mechanical Section of PETRONAS Methanol (Labuan) Sdn Bhd.

He graduated from the University of Bath, UK in Mechanical Engineering in 1993. He is a certified API 653 Storage Tank Inspector, API 510 Pressure Vessel Inspector and First Grade Steam Engineer registered with DOSH Malaysia. He is also registered as an ASEAN Chartered Professional Engineer (ACPE) and appointed as an Industry Advisor Panel for Faculty of Engineering at Lim Kok Wing University.

**Ir. Ahmad Rafidi Mohayiddin**

Chairman

Oil, Gas & Mining Technical Division, IEM

### ANNOUNCEMENTS TO NOTE:

1. Talk is **STRICTLY** for IEM members only (pre-registration is **NOT** required).
2. Telephone and/or fax reservation will **NOT** be entertained.
3. Non members may also attend the talk and will be charged a registration fee of RM 50 and an administrative fee of RM 10.
4. For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer to [www.myiem.org.my/content/memorandum\\_of\\_understanding-469.aspx](http://www.myiem.org.my/content/memorandum_of_understanding-469.aspx).
5. Limited seats are available on a "first come first served" basis (maximum 110 participants).
6. IEM members are required to produce your **membership cards** for confirmation of attendance (CPD purpose).
7. 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 BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging participants RM10.00 administrative fee for talks organized by IEM.
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM
- Students are however exempted.

Your understanding is greatly appreciated.

### CPD HOURS CONFIRMATION

Name : .....

Membership Number : .....

Date : .....

Signature : .....