



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Talk on

“Managing Onshore Process Plant Piping Rejuvenation Challenges”

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

BEM Approved CPD/PDP: 2 Hours

Ref No: IEM15/HQ/218/T

Date : 11 July 2015 (Saturday)
Time : 9.00 am to 11.00 am (Refreshments will be served at 8.00 am)
Venue : TUS and C&S Lecture Rooms, 2nd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Lee Chang Quan

SYNOPSIS

Onshore process plants are normally designed with a certain design life. Towards the end of initial design life, a business decision would be made either to decommission or continue operating. In order to continue operating safely, one approach is to extend plant life with plant rejuvenation that involves major repair, equipment replacement, and/or system upgrade.

Piping rejuvenation work is one of the critical activities throughout the process plant rejuvenation due to its volume and resources required to get the work done safely. The work requires detail planning and execution not only to work safely within a live operating plant condition, but also to minimize the shutdown duration for plant shutdown activity. The talk will provide an overview in managing the piping rejuvenation scope of a process plants, starting from early planning, asset life study, engineering design, procurement, installation and construction. The key challenges and lesson learnt in managing the piping scope of process plant rejuvenation will be shared.

BIODATA OF SPEAKER

Ir. Lee Chang Quan is a PE, started his career as a mechanical engineer with a design consultancy, and moved on to join a national oil company. His experience in the oil and gas industry includes piping and mechanical engineering design, procurement, installation and construction activities in gas processing plants and co-generation facilities. He has led a few feasibility studies, engineering management work and managing brownfield projects. He is a trained internal auditor and an active trainer in-house piping engineering training courses. He was the lead engineer in one of the major plant rejuvenation projects. He has recently taken a new role as Health, Safety and Environment Manager with one of PETRONAS subsidiaries.

Ir. Lee Chang Quan graduated from University Teknologi Malaysia with a Bachelor Degree in Mechanical Engineering. He also has a Masters Degree in Business Administration from University of Nottingham. He is a certified Project Management Professional (PMP®). He is also a committee member of the Oil, Gas and Mining Technical Division of IEM.

Ir. Ahmad Rafidi Mohayiddin

Chairman
Oil, Gas & Mining Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- 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 RM25.00. GST is inclusive.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

CPD/PDP HOURS CONFIRMATION

Name:

Membership No:

Signature: