



IEM

The Institution of Engineers, Malaysia

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Talk on “Managing Onshore Process Plant Piping: Care Enough?”

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

BEM Approved CPD/PDP Hours: 2

Ref. No. : IEM18/HQ/216/T

Date : 9th June 2018 (Saturday)
Time : 9.00am to 11.00am (*Refreshment will be served at 8.30am*)
Venue : TUS and C&S Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Lee Chang Quan

SYNOPSIS

Onshore process plants are normally designed with a certain design life. Inspection and maintenance program is carried out along the operating years as part of asset care so as to ensure the asset integrity and safe operation. 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, 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. This talk will provide an overview in managing the piping integrity as part of asset care program. Rejuvenation scope of a process plant piping, starting from early planning, asset life study, engineering design, procurement, installation and construction will be addressed. The key challenges and lesson learnt in managing the piping integrity will be shared.

SPEAKERS' BIODATA

Ir. Lee Chang Quan started his career as a mechanical engineer with a design engineering firm, and moved on to join a national oil company. His experience in the oil and gas industry include engineering, procurement, installation and construction activities in plant modification and rejuvenation projects. He has led a few feasibility studies, engineering management work and managing brownfield projects. Later, he moved on to undertake operational excellence and improvement roles at business level. He has taken managerial role in Health, Safety and Environment, formulating HSE strategies and implementation plan. He is a trained internal auditor, involving in Tier 1, 2, 3 HSE Assurance Programs. He has been invited to deliver adjunct lectures / technical talks to several higher institutions in Malaysia. He has recently moved to take up Asset Integrity Manager position in one of Oil Company's business unit.

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

Ir. Azwira Mohd Azmi
Chairman,
Oil, Gas and Mining Technical Division

FEE ANNOUNCEMENT

(Effective: 1st October 2017)

Members:

- (i) Registration Fee: No Charge
- (ii) Administrative Fee:
 - (a) Online RM15
 - (b) Walk-In RM20

Non-Members:

- (i) Registration Fee: RM50
- (ii) Administrative Fee: RM20

• 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

Personal Data Protection Act:

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data.

CPD Hours Validation:

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Membership No.:

Signature: