

TECHNICAL TALK ON “OFFSHORE AND ONSHORE PIPELINE LIFE EXTENSION STRATEGIES”

Organised by Oil, Gas and Mining Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Hours

Ref No: IEM19/HQ/508/T

Date : 22nd October 2019 (Tuesday)
Time : 5.30 p.m. – 7.00 p.m.
Venue : TUS and C&S Lecture Room,
2nd Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker : Ahmad Sirwan Mat Tuselim and Mohd. Hisham Bin Abu Bakar

SYNOPSIS

Transportation of hydrocarbon by pipeline has been identified as safest and economical approach for centuries. Offshore and onshore pipelines are expected to operate safely and securely in a variety of hostile environments throughout its design life. The performance of pipeline system is well demonstrated in the early stage of operation, given that they are designed and constructed to recognized pipeline codes and standards. As the pipeline ageing or sometimes being exposed to extreme conditions and various degradation mechanism when approaching or exceeding design life, holistic approach to assess and qualify the integrity of this vital asset become more prominent.

The formation of ISO TS 12747 on recommended practice for pipeline life extension has shaped the pipeline industry to manage ageing pipeline system. The aim of this assessment is to demonstrate that by extending the life of the pipeline system, the operator is not exposing society to unacceptable risk.

This topic will detail out structured and holistic approach to support the extension of the life of an offshore and onshore pipeline system beyond that indicated by original design life. The discussion will lead to main elements outline in pipeline life extension framework from recognized codes and standards and identify issues/challenges faced by pipeline operator dealing with ageing pipeline.

ANNOUNCEMENT TO NOTE FEES

(Effective 1st October 2017)

Members

Registration Fee	:	No Charge
Administrative Fee	:	
<u>Online</u>	:	RM15
<u>Walk In</u>	:	RM20

Non-Members

Registration Fee	:	RM50
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

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**"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".
For intending participants who choose to 'walk in without prior registration',
IEM SHALL NOT be responsible for any direct or consequential losses".**

SPEAKER BIODATA

Ahmad Sirwan Mat Tuselim has twenty-nine years' experience in the project management, integrity assessment, engineering, construction and commissioning of crude oil, gas, liquid hydrocarbon, produced water and raw water pipelines for PETRONAS projects in Malaysia, Thailand, Indonesia and Sudan. He is currently a Principal (Pipeline Engineering) in Group Technical Solutions (GTS). His works now concentrate towards specialize engineering services such Fitness for Service, Risk Based Integrity Planning, Pipeline Integrity Management System, Pipeline life extension study, Quantitative risk assessment and deliver pipeline engineering services to PETRONAS Operating Units & JVs. He is Discipline Resource Person (DRP) & Line trainer and Leadership team for PETRONAS Skill Group 11 Pipeline.

Mohd. Hisham Bin Abu Bakar is a Staff Pipeline Integrity Engineer from PETRONAS Group Technical Solutions. With 15 years experienced in PETRONAS, he had involved in technical consultation for pipeline integrity and design i.e. risk assessment, fitness for service, pipeline life extension study, engineering criticality assessment, quantitative pipeline risk assessment etc. He is also active in develop, review and enhance PETRONAS Technical Standards, Line Trainer for pipeline integrity and provide consultation for technology qualification for pipeline integrity application in PETRONAS.

Ir. ROZNAN ABDUL RASHID

Chairman,

Oil, Gas and Mining Technical Division (OGMTD)