

## TECHNICAL TALK ON “MANAGING ONSHORE & OFFSHORE PIPELINES VIA PIPELINE INTEGRITY MANAGEMENT SYSTEM (PIMS) STRATEGIES”

Organised by Oil, Gas and Mining Technical Division, IEM

BEM Approved CPD/PDP Hours: 2.0 Hours

Ref No: IEM19/HQ/456/T

**Date** : 28<sup>th</sup> September 2019  
**Time** : 9.00 a.m. – 11.00 a.m.  
**Venue** : Auditorium Tan Sri Prof. Chin Fung Kee,  
3<sup>rd</sup> Floor, Wisma IEM, Petaling Jaya, Selangor  
**Speaker** : Ahmad Sirwan Mat Tuselim, Ir. Hayati Hussien and Naila Rusma Idris

### SYNOPSIS

Managing reliability and integrity involves the application of qualified standards, by competent people, using appropriate processes and procedures throughout the asset life cycle, from engineering, installation, testing, commissioning, operation and maintenance up to decommissioning/abandonment. The objective is to proactively ensure that the asset performs its functions as intended, or when the asset performance falls below the intended level, effective corrective actions are promptly implemented.

At the core of the reliability and integrity culture is a strong determination amongst the leadership to deliver operational and maintenance excellence. This helps permeate the culture across all functional groups while providing common objectives and promoting teamwork throughout the organization.

A comprehensive, systematic, and integrated integrity management program provides the means to improve the safety of pipeline systems. Such an integrity management program provides the information for an operator to effectively allocate resources for appropriate prevention, detection, and mitigation activities that will result in improved safety and a reduction in the number of incidents.

This topic will cover the challenges faced by pipeline operators in managing onshore and offshore pipeline systems. The discussion will lead to the 14-elements of PETRONAS Pipeline Integrity Management System (PIMS) strategy and significance of each of the element during its implementation. Interesting case studies from own and other's experiences will also be shared to portray our lesson learnt and knowledge enhancement as part of continuous improvement in managing the pipeline systems integrity both at onshore and offshore.

### ANNOUNCEMENT TO NOTE

#### FEES

(Effective 1<sup>st</sup> October 2017)

#### Members

Registration Fee : FOC  
Administrative Fee :

**Online** :RM15  
**Walk In** :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](http://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](http://www.myiem.org.my) and I agree to IEM's use and processing of my personal data

## **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.

**Ir. Hayati Hussien** has 30 years of offshore and onshore pipeline engineering. She have involved in international project including Malaysia, Brunei, Qatar, North Sea, Africa, USA, Australia, Singapore, Thailand and Vietnam. She has been with Petronas since 2013. She is currently taking the role as Principal Offshore Pipeline Engineer with GTS Pipeline Engineering focusing mostly on project related engineering and some repair related design work. Previously she had been a Principal Pipeline Engineer with other major pipeline operator and lead pipeline engineer as well as project manager with oil and gas consultant company. She has vast knowledge in offshore pipeline design, installation, pre-commissioning and commissioning, integrity management and pipeline repair-rehab.

**Naila Rusma Idris** is a Staff Engineer (Pipeline Integrity) with GTS Pipeline Engineering who leads to provide technical solutions on pipeline integrity assessment and management for PETRONAS OPU, JVs and PSCs. Among her focus within PIMS are integrity assessments and development of integrity management plan i.e. RBI, FFS, QRA, DDA, PRA etc. She's been actively involved in the development of PIMS standards, guidelines, procedures, performance standards and assurances. She also conducts skill group trainings and capability assessment for PETRONAS pipeline engineers.

**Ir. ROZNAN ABDUL RASHID**

**Chairman,**

**Oil, Gas and Mining Technical Division (OGMTD)**