



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Technical Talk On

“Non Metallic Pipeline for Offshore Pipeline and Riser Application”

Organised by Oil, Gas and Mining Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Hours

Ref No: IEM20/HQ/115/T

**STRICTLY REGISTRATION AND
PAYMENT VIA IEM ONLINE ONLY &
NO WALK-IN ALLOWED**

Date : 26 August 2020
Time : 5.30 p.m. – 7.30 p.m.
Venue : Auditorium Malakoff,
Ground Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker : I Wayan Eka Putra & Tg M Shahru Haslan B Tn Yusoff

Limited To **65 Seats Only**
'First-Come-First-Registration Basis'

SYNOPSIS

Non-metallic pipe (NMP) is recently getting increased popularity as material for onshore and offshore pipeline, and slowly replace conventional carbon steel (CS) material. Even though the material is generally more expensive than conventional carbon steel, the total life cycle cost (TLCC) reduction is driven by reduction of pipeline installation cost, especially for offshore pipeline and riser application, (faster lay rate, less manpower/equipment) and operational cost (no chemical injection to combat corrosion, less operational pigging and inspection).

There are various non-metallic materials available in the market. Not many materials are suitable or applicable for oil & gas application. The most common types of spoolable NMP currently used are reinforced thermoplastic pipe (RTP) and thermoplastic composite pipe (TCP).

This sharing session is intended to improve industry awareness, understanding and knowledge on technical capability and limitation of non-metallic pipe, especially spoolable RTP and TCP material, for offshore pipeline and riser application. It will also discuss current available standard and development in the non-metallic standard to increase reliability, integrity and safety for the non-metallic application in oil and gas.

ANNOUNCEMENT TO NOTE FEES

(Effective 1st October 2017)

Members

Registration Fee : FOC
Administrative Fee :

Online :RM15

Non-Members

Registration Fee : RM50
Administrative Fee : RM20

- Limited seats are available on a "first come first served" basis (maximum 65 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

SPEAKER BIODATA

I Wayan Eka Putra has nineteen years' experience in consultant, contractors and oil & gas operating company, covers engineering design, procurement, construction/fabrication, operation, inspection, maintenance repair and rehabilitation for oil and gas pipelines.

He is currently a Staff (Specialized) Pipeline Engineer, Offshore Design, in Group Technical Solutions (GTS) PETRONAS, appointed as Technical Authority for Pipeline Projects within PETRONAS, Malaysian and international operation, including Joint Ventures (JV). In addition, he is also Discipline Resource Person (DRP) for Offshore Pipeline and Geotechnical Skill Group, regular trainer at Institute Technology PETRONAS (INSTEP) for conducting various Level 1 & 2 Pipeline Engineering Skill Group trainings. He is also responsible to update or develop new for PETRONAS Technical Standards (PTS), PETRONAS Technical Guideline (PTG), and in-house engineering pipeline engineering software. He is key person for qualification, and development of new technology for pipeline in PETRONAS.

Tg M Shahru Haslan B Tn Yusoff has ten years' experience in design and installation/ construction of offshore and onshore pipelines in both domestic and international projects. He is Senior Pipeline Engineer (Offshore Design) in Group Technical Solutions (GTS) PETRONAS. In 2017, he was a Project Team Leader who execute engineering, procurement, installation, pre-commissioning and commissioning for NMP Pilot Demonstration Project which was piloting NMP 1st application in PETRONAS. He is currently been assigned to Petronas Carigali (International) Holding B.V (PCIHBV) based in Garraf, Iraq since 2019.

Ir. ROZNAN ABDUL RASHID

Chairman,

Oil, Gas and Mining Technical Division (OGMTD)