

TECHNICAL TALK ON “EFFECT OF ENVIRONMENTAL FORCES ON OFFSHORE STRUCTURE DECOMMISSIONING OPERATION”

Organised by Oil, Gas and Mining Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Hours Ref No: IEM19/HQ/183/T

Date : 22 June 2019 (Saturday)
Time : 9.00 a.m. – 11.00 a.m.
Venue : C&S and TUS Lecture Room,
2nd Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker : Ir. Mohd. Fakhruddin Bin Zainal Ashirin, *PEng. MIEM. MSc*

SYNOPSIS

Recent study by IHS Markit found the annual expenditure of global offshore decommissioning works will rise from \$2.4 billion in 2015 to \$13 billion by 2040. Therefore, it is important to ensure our engineers are ready for these increase workloads. For example, they must understand the processes involved during a decommissioning work.

One of the critical processes in an offshore decommissioning work is the lifting and lowering activities. This is where the existing topsides is lifted from its jacket and lowered down onto the seabed. The main risk is the weight of the structure, in which when combined with the environmental dynamic response (such as wind and wave), could exceed the capacity of the lifting system.

In addition, when the lifted structure is crossing the splash zone, the structure faces a transition from being fully lifted in air towards being fully submerged. This will result to the structure being subjected to environmental loads such as slamming wave and current forces. At the same time, the rigging equipment may be subjected to unexpected increase in hook load due to loss of structure’s buoyancy by the oscillating sea surface.

This talk will discuss the above and also the analysis methodology of the lifting process through the splash zone.

SPEAKER BIODATA

Ir. Mohd Fakhruddin has 8 years of experience working in the offshore oil and gas industry. His primary focus is on transportation and installation of offshore and subsea structures. He is currently working as Subsea Installation Engineer at McDermott. Previously, he worked as Naval Architect at Sapura Energy.

He graduated from Australian Maritime College (AMC) with BEng in Marine and Offshore System. He also graduated in MSC from Universiti Malaysia Terengganu (UMT).

Ir. ROZNAN ABDUL RASHID
Chairman,
Oil, Gas and Mining Technical Division (OGMTD)

ANNOUNCEMENT TO NOTE

FEES

(Effective 1st 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

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