

## RECORDED WEBINAR TALK

# UNDERSTANDING DRILLING RIGS REQUIREMENTS FOR PETROLEUM FIELD DEVELOPMENT PLAN (FDP)



6 March 2026, Friday



4.30 PM to 6.30 PM



Online Platform

ORGANISED BY:

OIL, GAS AND MINING TECHNICAL DIVISION, IEM

BEM APPROVED CPD: 2  
REF. NO:  
IEM25/HQ/532/T (w)

### SYNOPSIS

The talk “Understanding Drilling Rigs Requirements for FDP” is part of a technical series leading up to the IEM-OGMTD Oil & Gas Platform Design Competition, designed to strengthen participants’ understanding of multidisciplinary integration in field development. This session focuses on how drilling rig requirements influence the overall Field Development Plan (FDP), highlighting the critical link between drilling and facilities planning. It begins with an overview of FDP objectives, followed by discussions on different types of drilling rigs, their capabilities, and key design parameters that impact platform configuration, topside loads, and field layout. The talk will also examine operational and environmental factors such as water depth, well trajectory, and rig mobility that drive compatibility with platform designs. By the end of the session, participants will appreciate how optimising rig selection and design integration contributes to safer, more efficient, and cost-effective field development solutions.

### BIODATA OF SPEAKER

**Ir. Razak Yakob** is a Professional Engineer with a Practising Certificate and over 20 years of experience in the oil and gas industry, specialising in drilling engineering and project management. He currently serves as the Head of the Enhanced Technical Resource Centre at FAAZMIAR Technology, where he leads research and development initiatives in upstream operations. He is also the Chairman of Ravenshead Engineering, a consultancy specialising in subsea technology. Throughout his career, Ir. Razak has held senior positions with both operators and service providers, giving him a comprehensive understanding of the industry value chain. Beyond his professional endeavours, he actively contributes to the engineering fraternity through leadership roles in the Institution of Engineers, Malaysia (IEM) and the Board of Engineers Malaysia (BEM). He holds a Bachelor of Science in Petroleum Engineering from the Colorado School of Mines and a Master of Business Administration from the University of Sunderland.



### REGISTRATION FEE

IEM STUDENT: FOC  
IEM MEMBER: RM15  
NON IEM MEMBER: RM70