



BEM APPROVED CPD: 2 REF NO: IEM26/HQ/I78/T(w)

WEBINAR TALK ON TECHNICAL SAFETY IN OIL & GAS: AN FPSO PERSPECTIVE

Date : 4 July 2026 (Saturday)
(rescheduled frm 30 May 2026)
Time : 11.00 am - 1.00 pm
Platform : Zoom Webinar

Registration Fees:

- Student Member : FOC
- IEM Member : RM 15.00
- Non-Member : RM 70.00

Synopsis:

Technical Safety is a specialized engineering discipline within the oil and gas industry that focuses on preventing major accident hazards such as hydrocarbon release, fire, explosion, and toxic gas events.

This talk will provide an overview of Technical Safety for FPSO, including how it differs from the broader HSE function and how it supports safe design, operational integrity, and lifecycle risk management. Key topics include the five main branches of Technical Safety: Human Factors Engineering, Process & Functional Safety, Formal Safety Assessments, Loss Prevention, and Major Accident Hazard (MAH) prevention.

The session will also discuss some of the studies such as HAZOP, SIL/LOPA, firewater demand calculation, and Safety Critical Elements (SCEs), highlighting how these studies contribute to ALARP demonstration, barrier management, and safer offshore operations.

Speaker: Ir. Tan Cheau Kim

Ir. Tan is a Technical Safety Engineer with more than 10 years of experience in the oil and gas industry, specializing in technical safety and risk management. She has been involved in various safety studies including HAZID, HAZOP, QRA, consequence modelling, and safety case development for upstream projects, including FPSO facilities. With experience supporting projects from design through operations, Ir. Tan is passionate about applying practical, risk-based solutions to manage major accident hazards and improve process safety. In this talk, she will share insights into the role and importance of Technical Safety in Oil & Gas, specific to FPSO.