



WEBINAR

WHY MODULAR - UTILIZATION OF SHIPYARD CONSTRUCTION TECHNOLOGY

BEM Approved CPD/PDP Hours : 2

Ref. no : IEM20/HQ/176/T(w)



Speaker : Ir. Roslin bin Ramli

Date : 14 October 2020 (Wednesday)

Time : 3PM - 5PM

Registration Fees (effective 1st August 2020)

IEM Members : RM15.00

Non IEM Members : RM70.00

Register online | www.iem.org.my

Jointly organised by :

Marine Engineering and Naval Architecture Technical Division &
Oil, Gas & Mining Technical Division, IEM

SYNOPSIS

The PETRONAS Floating LNG Satu (PFLNG1) Project, the world's first Floating LNG as well as a remarkable technological breakthrough, has applied the modular LNG construction concept practically and economically. This talk outlines the general perspective of why the modular construction concept utilized shipyard technology in comparison to the traditional land-based development involving a massive site for construction, erection and installation, also known as the "stick built" construction concept.

The talk will cover the following aspects:

- Why is the modular concept selected?
- Modular Engineering Construction Concept
- Modular Shipyard Fabrication Work Process
- Modular Integration Phase
- Modular Best Practices
- Challenges of Modularisation

Briefly, "Why Modular - Utilization of Shipyard Construction Technology " can be adopted for other process plant projects in the future. A floating modular LNG technology has become a reality (e.g. PFLNG1 and PFLNG2 Projects) but it is still in the transition phase to migrate onto land-based construction method with value-added advantages under certain conditions.

SPEAKER'S PROFILE

Previously, Ir.Roslin Bin Ramli was a Custodian Construction in PETRONAS - Project Delivery and Technology (PD&T), Department of Construction and Fabrication (DCF).

Prior to his retirement after in service with PETRONAS for 27 years, he was holding wide range of positions e.g. project engineer, construction engineer, construction manager, head construction, project manager, site manager, deputy project director in many major PETRONAS projects namely GPP4/DPCU2, PEPI, PDH, PVC, GDC2, Cogen, MG3, PSR2 Revamp, PFLNG1 and RAPID Pengerang (P5 and P14).

As a Custodian Construction, his expertise in Modularisation Concept, System Mechanical Completion and Turnover, Construction and Commissioning Interface Management, Front End Engineering Loading (FEED), Engineering Procurement Construction Installation Commissioning (EPCIC) and Constructability Review (CR) as well as involved in Construction Management Execution Phase.

Special achievement by Ir.Roslin was completed the First Floating LNG in the world – PFLNG SATU Project (PFLNG1) in May 2016. In this project, Ir.Roslin contributed his custodianship as Head Construction/Project Manager/Deputy Project Director to PETRONAS Top Management via Monthly Project Sponsor Meeting until successfully delivered PFLNG SATU Project.

Ir.Roslin has more than 25 years in Oil, Gas and Petrochemical (OGP) and also in Offshore/Marine and Shipbuilding both in Malaysia and overseas including United Kingdom, South Korea, Japan, Vietnam, Philippines and Sudan. He started his career as Research Assistant and Tutor in University Technology of Malaysia (UTM) for Marine Technology Group and continued his career as a Naval Architect in ship design in Malaysia Shipyard Engineering (MSE) and Penang Shipbuilding Corporation (PSC) before joining PETRONAS in 1993.

Having published internal and external technical construction papers, Ir.Roslin has a keen interest in Research and Development (R&D), Leadership Mentoring and Coaching, and Line Trainer in Construction Quality and HSE Management.