

## **Webinar Talk on “Role of a Mechanical Engineer in an Oil and Gas Design Office: Case Study of a Simple Offshore Platform”**

Organized by IMechE Monash University Malaysia Student Chapter

BEM Approved CPD / PDP hours: Pending

Ref. No.: Applying

Date: 28 August 2021 (Saturday)

Time: 9.45am – 11.30am

Venue: Online Platform (Zoom)

### **Registration Fee**

Fee: Free of charge

### **Synopsis**

The oil and gas industry has very stringent design criteria, requiring adherence to international standards to ensure safety and technical integrity. The talk will highlight the design sequences from a mechanical piping engineer perspective in an Oil and Gas design consultant office. It will also give participants who are interested in other industries such as power plants, waste water treatments etc, some useful insights as the design steps are almost similar. A simple platform will be used on a case study. Participants will be familiar with the procedures involved and have a better understanding of project and industrial requirements.

The second part of the talk, the speaker will share his experience on industry expectations of graduate engineers. Also, some interview tips will be given especially in the current challenging pandemic environment.

### **Speaker Profile**

#### **Ananthakumar Balasundram, B.Eng (UM), M.Adv Eng (Monash)**

Ananthakumar Balasundram, is a mechanical engineer who graduated from University Malaya and did his post-graduate studies in Energy and Sustainability in Monash University Malaysia. He has over 20 years experience in oil and gas mechanical piping systems, working in companies like Technip, SBM Offshore and Bluewater Energy Services. He has worked on local and overseas projects and was also based in the Netherlands and Middle East. He has experience on onshore refineries, offshore platforms, floating production storage and offloading (FPSO) units and subsea systems dealing with many challenging situations and adverse environments.

Currently, he is pursuing his PhD in energy systems focusing on sustainable practices. He hopes to impart these green practices in upcoming projects and academia. He is also passionate to disseminate his knowledge to the younger generation in a practical, industrial relevant manner.

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**Agenda**

| Activity            | Time                |
|---------------------|---------------------|
| Attendees Login     | 9.45 am - 10.00 am  |
| Technical Talk      | 10.00 am - 11.15 am |
| Questions & Answers | 11.15 am - 11.30 am |