

# INTRODUCTION TO OIL & GAS: UPSTREAM OVERVIEW

## PROGRAM OVERVIEW

The petroleum industry includes the global processes of exploration, extraction, refining, transporting (often by oil tankers and pipelines), and marketing petroleum products. The upstream sector, or more commonly known as Exploration & Production (E&P) is more focus in searching for potential underground or underwater crude oil and natural gas fields, drilling exploratory wells, and subsequently drilling and operating the wells that recover and bring the crude oil and/or raw natural gas to the surface.

In the current challenging landscape of oil & gas industry, it is so vital that everyone who involve directly or indirectly with the industry to understand and appreciate the life-cycle of an oilfield. This course gives an overall picture of industry-specific functionality together with an appreciation of the challenges to produce hydrocarbons and an understanding of where the different job roles are involved.

At the end of the day, the delegates will have an understanding of each upstream phases from exploration to decommissioning. Delegates also will gain an appreciation of the geological, technical and economic aspects of the industry, features of the onshore and offshore environments, as well as the exploration, development and production phases. The course offers an invaluable opportunity to understand the key characteristics and global context of Malaysia's oil and gas industry, and come to grips with its key concepts and terminology.

### Duration

1 Day

### Learning Outcome

The course is designed to give understanding of each upstream phases from exploration to decommissioning. Delegates also will gain an appreciation of the geological, technical and economic aspects of the industry, features of the onshore and offshore environments, as well as the exploration, development and production phases. The course offers an invaluable opportunity to understand the key characteristics and global context of Malaysia's oil and gas industry, and come to grips with its key concepts and terminology.

### Benefits

The delegates will benefit from the knowledge and understanding of:

- History and Characteristics of Oil and Gas
- Exploration and Surveys
- Drilling Rigs and Drilling a Well
- Developing an oilfield
- Production and Work-over
- Oil and Gas Transportation and Decommissioning

### At the end of this program participants will be able to:

- Learn and understand the technical jargons in the upstream sector.
- Describe the main activities in the upstream sector.
- Understand the inter dependency of activities from exploration until abandonment.
- Understand the value chains across the industry.

## KEY MODULES

### WHO SHOULD ATTEND

- Employees new to the industry
- Contractors
- Government policy-makers
- Professionals and advisors
- Members of the community seeking a basic understanding of the industry
- Businesses intending to enter the industry

### PROGRAM METHODOLOGY

- Interactive Lecture
- Group Dynamics
- Case Studies

- Introduction to Oil & Gas
- Exploration Activity
- Drilling Operation
- Oil & Gas Field Development
- Producing the Hydrocarbon and Production Facilities
- Decommissioning the Facilities



**HRDF / SBL  
CLAIMABLE**





### AHMAD FARIZ AZHAR

Ahmad Fariz Azhar has extensive experience in the oil and gas industry. Currently he is a training consultant specializing in upstream activities and project management. He is experienced with offshore drilling operation specializing in Measurement & Logging While Drilling (MLWD) with and was heavily involved with the execution phase of the job where Safety & Service Quality are mandatory. Throughout his career in offshore drilling, he had involved with exploration and development drilling campaign with various E&P Operators in Malaysia.

Fariz was also experienced in managing the engineering and business development aspect in the oil & gas specialty oilfield chemicals specializing in the Production Chemicals and Completion & Workover Chemicals. He also had experience in Project Management related to Petroleum Engineering Project such as Area Development Plan (ADP) and Seismic Data Processing & Seismic Interpretation. Knowledgeable on different working cultures as have working experience locally (Malaysia) and internationally (Thailand, Myanmar, Vietnam, Brunei, Singapore, UAE, US, and UK).