

Introduction to Upstream Oil & Gas: Exploration to Decommissioning

1 July 2025 • 1 Day • Kota Kinabalu, Sabah

Introduction

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.

This course is delivered by Semarak Training in partnership with MIDAS Events Management in conjunction of Sabah Oil, Gas & Energy Conference & Exhibition (SOGCE) 2025. The course is HRD Corp claimable.

Objectives

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.

Learning Outcome

By the end of the course, the delegate 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.

Who Should Attend

- New hired technical professionals in Upstream Oil & Gas
- Non-technical professionals in administration, business development, sales, marketing, tender and contract.
- Health, safety & environment (HSE) professionals
- IT & data professionals
- Senior management new to Oil & Gas industry

Module 1: Overview of Upstream Oil & Gas

- Definition of Upstream & Downstream
- Brief history of Oil & Gas (World & Malaysia)
- Malaysia's Oil & Gas sector
- Different types of oil & gas companies

Module 2: Petroleum Geology & Exploration

- Definition of Petroleum and its Theory of Origin
- Different type of traps
- Hydrocarbon drives mechanism
- Basic exploration operation



Module 3: Drilling & Completion

- Different types of drilling rigs and the selection process
- Components on a drilling rig
- Process involved in drilling a well
- Type of wells

Module 4: Field Development & Planning

- Field development planning & studies
- Case study on different approach and strategy to evacuate the hydrocarbon
- Introduction to Production Sharing Agreement and typical cash flow

Module 5: Production Facilities

- Facilities on production platform
- Typical installation of an offshore platform
- Health, safety & environment
- Case study on Offshore Accident



Module 6: Decommissioning

- Definition of decommissioning
- Understand different stages in decommissioning
- Case study of decommissioning in Malaysia.

Ts. Faiz Latip



Ts. Faiz Latip is a Principal Trainer at Semarak Training, specialising in Upstream Oil & Gas fundamentals with over 10 years of experience in the industry. He is a HRD Corp Certified Trainer since 2020 and has successfully delivered technical training to over 200 participants.

With a strong foundation in field operations, Ts. Faiz began his career as a Wireline Services Field Engineer with Baker Hughes, one of the world's leading oilfield service companies. He completed an intensive 6-month engineering training programme in Dubai, U.A.E. in 2015 and was later deployed to PETRONAS's Exploration & Production operations offshore Sabah.

He also served as a Completion Tools Trainee Field Engineer with Halliburton, where he gained hands-on experience in downhole tool preparation and testing at the company's Kemaman facility in Terengganu.

Ts. Faiz holds a Bachelor's Degree in Petroleum Engineering from Universiti Teknologi Malaysia (UTM), where he served as President of the Society of Petroleum Engineers (SPE) UTM Student Chapter.

He is a Professional Technologist (Ts.) registered with the Malaysia Board of Technologists (MBOT) and a member of both the Energy Institute (EI) and the Society of Petroleum Engineers (SPE).

Driven by a passion for knowledge sharing, Ts. Faiz is committed to delivering practical, engaging, and outcome-driven training that enhances participant performance and supports industry excellence.

Testimonials from Past Delegates

"Trainer is very well spoken, and grasps my attention with his teaching style, with incorporation of his offshore industrial experience."

Project Engineer, Offshore Engineering Centre, Universiti Teknologi PETRONAS

"Very good training for us who has non-related background on this upstream field. Everything explained clearly and the flow of each session is smooth ."

Lab Scientist, SGS Malaysia

"Good explanation from instructor and make it easier for us the beginner in Oil & Gas industry to understand."

Proposal Engineer, Cekap Technical Services



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Standard	Early Bird	Team
MYR 1,700 / pax	MYR 1,500 / pax	MYR 1,300 / pax
Register before 6 June 2025	Register before 23 May 2025	Join with team min. 3 pax

Delegate Details

Name: _____
Job Title: _____
Email: _____
Contact No.: _____

Name: _____
Job Title: _____
Email: _____
Contact No.: _____

Name: _____
Job Title: _____
Email: _____
Contact No.: _____

Company Details

Company: _____
Address: _____
Telephone: _____
Fax: _____

Send Invoice To

Attention Invoice To: _____
Email: _____
Contact No: _____

Notes:

- Price above is excluding SST.
- To register, kindly submit completed registration form to haziqah.fadzli@semaraksolutions.com

Registration Terms & Conditions

Payment Method

- Cheque made payable to Semarak Solutions Sdn. Bhd.
 Credit Card
 Direct Transfer

Transfer to : Semarak Solutions Sdn. Bhd.
Bank : Maybank Islamic Berhad
Account No. : 564810532861
Swift Code : MBBEMYKL

*All bank charges to be borne by payer. Please ensure that Semarak Solutions Sdn. Bhd. receives the full invoiced amount.

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Payment is due in full at the time of registration. Full payment is mandatory for event attendance. By submitting this registration form, you have agreed to Semarak Solutions Sdn. Bhd.'s payment terms.

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For cancellations received seven (7) days or less prior to an event (including day 7), no credit will be issued. In addition, a cancellation fee equivalent to 15% of the course fee will be charged.

In the event that Semarak Solutions Sdn. Bhd. postpones or cancels a course, delegate payments at the date of cancellation or postponement will be credited to a future Semarak Solutions Sdn. Bhd. course. This credit will be available for up to one year from the date of issuance, and it is transferable to other persons in the same company and applicable against any future Semarak Solutions Sdn. Bhd. public course.

We shall assume no liability whatsoever in the event this training course is cancelled, rescheduled or postponed.

Semarak Solutions Sdn. Bhd. does not provide refunds for cancellations and postponements or waive fees for unpaid invoices upon receipt of registration.

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