



Introduction to Offshore Operations

INSTRUCTOR LED

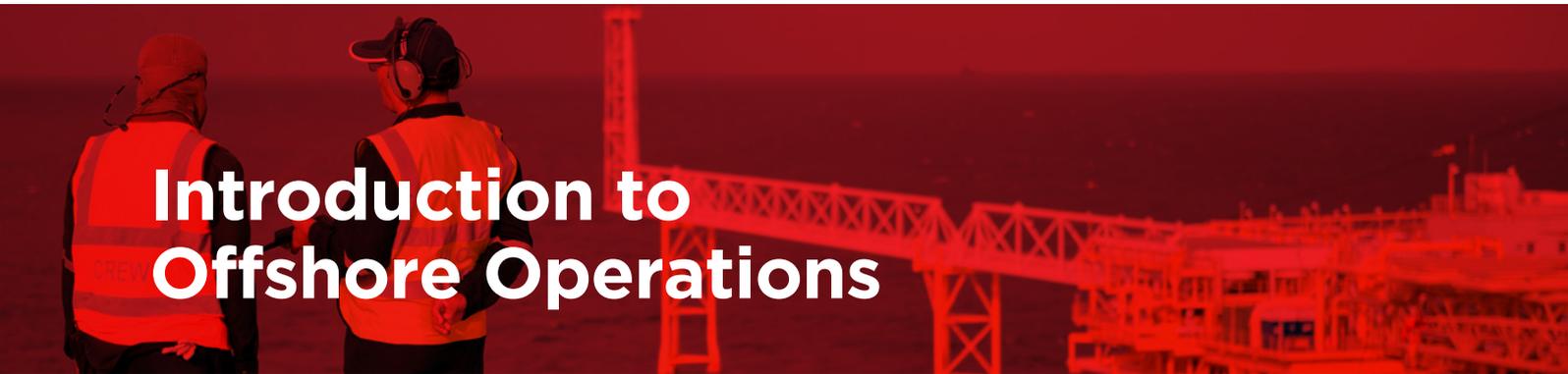
Introduction to Offshore Operations provides all newcomers to the industry with an understanding of the offshore installations, subsea production facilities and onshore support requirements which ensure that the oil and gas industry can function as a cost effective and viable business. This course helps them to understand terminologies and abbreviated names that experienced staff take for granted.

Those going offshore for the first time will gain a good understanding of offshore installations, functions and capabilities and the various systems monitoring and controlling topside and subsea equipment. Staff based onshore will have an appreciation of offshore operations and the associated challenges, as well as an understanding of the equipment essential to produce process and maintain our need for oil and gas.

The material covered in this course is instructor led, including interactive classroom activities.

- Exploration
- Well drilling
- Exploration drilling
- Development drilling
- Production
- Transportation





Introduction to Offshore Operations

Training Course Objective

This course is aimed at any new start to the industry, onshore and offshore, including engineers, technicians, supervisors, graduates and apprentices. This course is designed to give a clear understanding to learners of the basic components of the offshore oil and gas industry and provide an opportunity for all participants, both technical and non-technical, to have the basics explained in a clear and concise format.

The material covered in this course is instructor led, including interactive classroom activities.

Course topics and activities include:

- **Introduction:** Detailing initial offshore operations and the scope of offshore operations.
- **Oil and gas:** Investigating the characteristics of oil and gas, characteristics of rock, the types of rocks, the origin of oil and gas, the migration of oil and gas and traps.
- **Exploration:** Detailing magnetic surveys, gravity surveys, seismic surveys, survey locations and how to obtain drilling rights.
- **Drilling rigs:** Detailing bottom-supported units and floating units.
- **Drilling a well:** Investigating bits and drilling fluid, circulating systems, rotating systems, power systems, hoisting systems, and drilling personnel.
- **Exploration drilling:** Discussing how to select a rig, drilling from bottom supported units, drilling from floating units, formation valuation and well abandonment.
- **Development drilling and completion:** Detailing drilling platforms, mobile offshore drilling units, directional and horizontal drilling and well completion.
- **Production and workover:** Investigating reservoir drive mechanisms, how to handle oil, gas and water, artificial lift, additional recovery techniques, and well servicing and workover.
- **Oil and gas transportation:** Covering transportation by pipeline and transportation by tanker.

Outcome

Upon completion of this course, the learner will possess a sound knowledge of the basics of offshore oil and gas exploration and production.

Delivery and Duration

This classroom course has a one day duration.

Customisation

This course can be customised to reflect any company's specific operations.

Pre-requisites

There are no pre-requisites for this course.