

## TYPES OF SUBSEA PRODUCTION SYSTEMS - SELECTION AND APPLICATION

*"Understanding subsea production technologies for optimal selection and operational efficiency"*

### Schedule

Date	Venue	Fees (Online)
13 May 2026	Online	USD 450 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

### Introduction

Subsea production systems are vital components of offshore oil and gas operations, enabling efficient extraction and transport of hydrocarbons from underwater reservoirs. Understanding the different types of systems and their applications is essential for engineers, project managers, and technical staff involved in offshore operations.

This 1-day intensive training provides participants with practical knowledge on subsea production systems, including their selection, design considerations, and operational applications. Through interactive sessions and case studies, participants will gain insights into system functionality, advantages, limitations, and best practices for effective deployment.

### Objectives

By the end of this course, participants will be able to:

- Identify different types of subsea production systems and their components
- Understand criteria for selecting appropriate systems for specific applications
- Evaluate operational advantages and limitations of each system
- Apply best practices for subsea system design, installation, and maintenance
- Enhance decision-making for offshore production projects
- Ensure safe and efficient subsea operations
- Integrate subsea system knowledge into project planning and execution

## Why Attend

- Gain practical knowledge of subsea production technologies
- Improve decision-making for system selection and deployment
- Enhance understanding of design and operational considerations
- Learn from real-world case studies and best practices
- Strengthen skills for efficient and safe offshore operations

## Target Audience

This program is designed for:

- Offshore and subsea engineers
- Project managers and technical staff in oil and gas operations
- Maintenance and operations personnel
- HSE and safety professionals involved in subsea activities
- Professionals involved in subsea design, installation, and operation

## Individual Benefits

Key competencies that will be developed include:

- Understanding subsea production system types and applications
- Ability to select and evaluate systems for project requirements
- Knowledge of operational and safety considerations
- Skills to integrate subsea technology into offshore projects
- Enhanced professional confidence in subsea operations

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved decision-making in subsea system selection
- Enhanced operational efficiency and safety
- Reduced risk of system failures and downtime
- Better planning and execution of offshore production projects
- Strengthened technical capabilities in subsea engineering

## Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Overview of subsea production system types and selection criteria
- Case Studies – Real-world applications and operational challenges
- Workshops – Hands-on exercises in evaluating system selection and functionality
- Peer Exchange – Group discussions on lessons learned and best practices
- Tools – Templates, diagrams, and checklists for subsea system assessment

## Course Outline

Detailed 1-Day Course Outline

Training Hours: 9:00 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks included

Day 1: Subsea Production Systems – Selection and Application

Module 1: Introduction to Subsea Production Systems (09:00 – 10:30)

- Overview of subsea systems and components
- Key terminology and technologies

Module 2: System Types and Applications (10:45 – 12:15)

- Umbilicals, manifolds, trees, and control systems
- Advantages and limitations of each system

Module 3: Selection Criteria and Best Practices (01:00 – 02:15)

- Criteria for choosing appropriate systems for specific reservoirs
- Design, installation, and operational considerations

Module 4: Workshop – System Evaluation Exercise (02:30 – 03:30)

- Hands-on exercise to select systems for project scenarios
- Group discussion and review

## Certification

Participants will receive a Certificate of Completion in Types of Subsea Production Systems – Selection and Application, validating their knowledge and practical competence in selecting and applying subsea production technologies in offshore operations.

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