

SUBSEA PRODUCTION SYSTEMS - OFFSHORE SOLUTIONS

“Gain practical insights into subsea production systems for efficient offshore operations”

Schedule

Date	Venue	Fees (Online)
10 - 11 Nov 2026	Online	USD 700 per delegate

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

Introduction

Subsea production systems are critical for offshore oil and gas operations, ensuring safe and efficient extraction and transportation of hydrocarbons. This 2-day online training provides participants with an in-depth understanding of subsea production systems, including components, operational principles, and maintenance practices. Attendees will gain practical knowledge to support offshore production operations and optimize system performance.

The program combines theoretical concepts with case studies, practical examples, and interactive exercises. Participants will learn how to design, operate, and maintain subsea systems while addressing safety, environmental, and operational challenges commonly encountered in offshore production.

Objectives

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

- Understand the fundamentals of subsea production systems.
- Identify key components and their functions in offshore systems.
- Analyze operational processes and optimize performance.
- Implement safety, maintenance, and environmental best practices.
- Apply industry standards and best practices in offshore subsea operations.

Why Attend

- Gain practical knowledge of subsea production systems.
- Learn techniques to optimize offshore operational performance.
- Enhance safety and compliance awareness in offshore operations.
- Network with professionals in offshore oil and gas production.
- Acquire skills applicable to subsea system management and operations.

Target Audience

This program is designed for:

- Offshore engineers and production personnel.
- Subsea operations and maintenance specialists.
- Project engineers involved in offshore system design and management.
- Technical professionals supporting offshore oil and gas operations.

Individual Benefits

Key competencies that will be developed include:

- Understanding subsea production system components and operation.
- Skills in optimizing system performance and reliability.
- Knowledge of safety and environmental best practices.
- Ability to troubleshoot and maintain offshore subsea systems.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced offshore operational efficiency and system reliability.
- Improved safety and compliance in subsea production systems.
- Better management of maintenance and operational challenges.
- Increased technical competency of offshore operations teams.

Instructional Methodology

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

- Strategy Briefings - Fundamentals of subsea production systems and offshore solutions.
- Case Studies - Examples of successful offshore subsea operations.
- Workshops - Hands-on exercises in system analysis, maintenance planning, and troubleshooting.
- Peer Exchange - Group discussions on operational challenges and best practices.
- Tools - Templates, checklists, and guidelines for subsea system operations and maintenance.

Course Outline

Detailed 2-Day Course Outline

Training Hours: 9:00 AM – 5:00 PM Daily Format: 3–4 Learning Modules | Coffee Breaks & Lunch included

Day 1: Fundamentals of Subsea Production Systems (09:00 – 04:00)

Module 1: Introduction to Subsea Systems (09:00 – 11:00)

- Overview of subsea production systems and offshore applications.
- Key components and operational principles.

Module 2: Subsea Equipment and Technology (11:15 – 01:00)

- Subsea trees, manifolds, umbilicals, and risers.
- Operational considerations and maintenance practices.

Module 3: Offshore Operations and Safety (02:00 – 04:00)

- Operational challenges and safety protocols.
- Environmental compliance and risk management.

Day 2: Optimization and Troubleshooting (09:00 – 04:00)

Module 4: Performance Optimization (09:00 – 11:00)

- Techniques to enhance subsea system efficiency and reliability.
- Monitoring and operational best practices.

Module 5: Maintenance and Troubleshooting (11:15 – 01:00)

- Preventive and corrective maintenance strategies.
- Common issues and solutions in offshore subsea systems.

Module 6: Case Studies and Action Planning (02:00 – 04:00)

- Real-world examples of offshore subsea operations.
- Developing actionable plans for improved performance and compliance.

Certification

Participants will receive a Certificate of Completion in Subsea Production Systems – Offshore Solutions, validating their expertise in offshore subsea operations, system optimization, and maintenance practices.

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Interested in running this course for your team?

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