



London TDM

Oil and Gas Industry Training Courses

Course Venue: United Arab Emirates - Dubai

Course Date: From 23 November 2025 To 27 November 2025

Course Place: Downtown Dubai

Course Fees: 5,000 USD

Introduction

The "Subsea Systems and Deepwater Operations" course is designed to provide participants with comprehensive knowledge and practical insights into the engineering, technical, and operational aspects of subsea systems and deepwater offshore operations. Over the span of five days, professionals will learn about technologies, challenges, and solutions associated with deepwater operations, enhancing their technical skills and operational decision-making abilities.

Objectives

- Understand the principles and components of subsea systems.
- Explore the engineering challenges and solutions for deepwater operations.
- Gain knowledge about the installation and maintenance of subsea equipment.
- Analyze safety and risk management in deepwater environments.
- Develop strategies for effective project management in subsea operations.

Course Outlines

Day 1: Introduction to Subsea Systems

- Overview of subsea engineering history and evolution
- Components of subsea production systems
- Types of subsea equipment and their functions
- Introduction to subsea system design and architecture
- Case studies on successful subsea projects

Day 2: Deepwater Exploration and Production

- Technologies and methods used in deepwater exploration
- Challenges faced during deepwater production
- Subsea drilling techniques and equipment
- Environmental considerations and impact assessments
- Deepwater development strategies and economics

Day 3: Installation, Operation, and Maintenance

- Subsea installation methodologies
- Operational challenges in deepwater environments
- Maintenance and inspection of subsea systems
- Intervention and repair techniques
- Advances in remote and autonomous subsea technologies

Day 4: Safety, Risk, and Environmental Management

- Risk assessment techniques for subsea operations
- Safety protocols and emergency response strategies
- Environmental regulations and compliance
- Contingency planning and incident management
- Understanding the role of technology in mitigating risks

Day 5: Project Management and Future Trends

- Project management strategies for subsea projects
- Budgeting and cost control in deepwater operations
- Training and competency development for personnel
- Industry trends and advancements impacting subsea systems
- Panel discussion: Future of subsea engineering and operations