

€ TRAINING

Conference on FPSO Marine Operation And
Maintenance





Conference on FPSO Marine Operation And Maintenance

Introduction:

The use of Floating Production Storage and Offloading FPSO vessels has seen significant growth due to their cost-effectiveness and suitability for deepwater oil fields. Understanding FPSO environmental factors and design elements is crucial for successful operations. This conference integrates FPSO operation and maintenance training to address technical challenges and enhance project management capabilities.

Conference Objectives:

At the end of this conference, participants will:

- Understand the fundamentals of procurement management and administrative coordination.
- Apply best practices in procurement and supply chain processes.
- Identify key operational requirements and environmental impacts on FPSO operations.
- Gain insights into FPSO process systems and safety measures in operation and maintenance.
- Develop skills to manage cross-functional teams and enhance project efficiency.

Target Audience:

- Project engineers and managers involved in FPSO operations.
- Procurement and supply chain managers.
- Technical staff and engineering specialists.
- Administrative coordinators and managers.
- Maintenance technicians and supervisors.

Conference Outline:

Unit 1:

Environmental and Design Aspects Affecting FPSO Operations

- Corrosion and Corrosion Protection.
- Stress Buckling and Fatigue.

- Hull Structural Assessment.
- Topsides and Mooring Lines.
- Turret and Swivel System.
- Subsea Interfaces and Accommodation Equipment.

Unit 2:

Introduction to FPSO Operation

- FPSO Design and Technology Overview.
- Regulatory Compliance and Standards.
- Operational Requirements.
- Maintenance Guidelines and Inspections.
- Processing Operations.
- FPSO Process Systems.

Unit 3:

FPSO Storage, Offloading, and Safety:

- Cargo Pumping and Storage Systems.
- Cargo Heating and Venting.
- Cargo Control and Metering.
- Tank Entry Procedures.
- Ballast Systems and Stability.
- Emergency Shutdown and Safety Systems.

Unit 4:

Power, Heating, and Utility Systems:

- Power Generation and Distribution.
- Heating Sources and Generators.
- UPS and Battery Systems.

- Cooling and HVAC Systems.
- Electrical and Instrumentation Systems.
- Telecommunication Infrastructure.

Unit 5:

Safety and Emergency Procedures:

- Control and Safety Systems.
- Fire Prevention and Emergency Response.
- Hazardous Process Fluids Management.
- Safety Instrumentation and Equipment Accessibility.
- Emergency Shutdown and Evacuation Plans.
- Electrical Safety and Compliance Measures.