



*Training Course:
Offshore Operations & Floating Storage Unit
(FSU) Management*

2 - 6 March 2025

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: Offshore Operations & Floating Storage Unit (FSU) Management

Training Course code: HE235778 From: 2 - 6 March 2025 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 3875 € Euro

Introduction:

This Offshore Operations & Floating Storage Unit FSU Management training program is specifically designed for professionals in the Barging & Cargo Operations Unit to provide essential knowledge and skills in managing offshore operations and the associated logistics of Floating Storage Units FSUs. As LNG operations shift toward more flexible and cost-effective solutions like FSUs, understanding their role, operations, and safety requirements is critical for personnel involved in LNG transport and cargo handling. The course covers the design, management, and operational challenges of FSUs, as well as the coordination between offshore facilities, vessels, and terminal operations, ensuring smooth cargo management, safety compliance, and optimal operations.

Objectives:

- Understand the role and operational processes of Floating Storage Units FSUs in offshore LNG operations.
- Gain insights into offshore cargo handling, logistics, and transportation related to FSUs.
- Learn about the safety, environmental, and regulatory considerations for managing FSUs.
- Develop skills for coordinating offshore operations and managing FSU-related logistics.
- Understand the challenges and best practices for ensuring efficient and safe FSU operations.
- Gain knowledge about the integration of FSUs into the broader LNG supply chain and terminal operations.

Organizational Impact:

- **Optimized Offshore Operations:** Training personnel to manage FSU operations more effectively will lead to improved offshore cargo handling, reduced delays, and increased operational efficiency.
- **Enhanced Safety and Compliance:** Understanding safety protocols and regulatory frameworks related to FSUs will improve the safety of offshore operations, reduce risks, and ensure compliance with local and international standards.
- **Improved Coordination:** With better knowledge of FSU operations, employees will be able to improve coordination with offshore facilities, vessels, and terminal operations, leading to more streamlined processes.
- **Cost-Efficiency:** Increased understanding of FSU management and offshore logistics will help minimize operational costs through better scheduling, optimization, and resource management.

Target Audience:

- Professionals involved in barging and cargo handling for offshore LNG operations.
- Cargo operations supervisors and managers working with FSUs.
- Offshore logistics teams and FSU operation coordinators.
- Safety, environmental, and risk management personnel in barging and cargo operations.
- Vessel operators and offshore coordination teams in the Barging & Cargo Operations Unit.

Outlines:

Day 1: Introduction to Offshore Operations and Floating Storage Units FSUs

- Overview of Offshore LNG Operations and the Role of FSUs
- Types of Offshore Facilities: FSUs vs. Floating Liquefied Natural Gas FLNG Units
- The Importance of FSUs in the LNG Supply Chain
- Design and Components of Floating Storage Units FSU
- Integration of FSUs with LNG Terminals and Vessels

Day 2: FSU Operations and Logistics Management

- Offshore Cargo Operations: Loading, Unloading, and Transferring LNG
- FSU Storage Systems: Tanks, Pressure Maintenance, and Temperature Control
- Coordination Between FSUs, Vessels, and LNG Terminals
- FSU-Based Logistics: Scheduling, Route Planning, and Docking Procedures
- Managing LNG Cargo in Offshore Conditions

Day 3: Safety, Environmental, and Regulatory Considerations for FSUs

- International and Local Safety Standards for FSUs IMO, SOLAS, etc.
- Risk Management and Hazard Analysis for Offshore LNG Operations
- Safety Protocols for FSU Operations: Leak Detection, Fire, and Spill Prevention
- Environmental Impact of Offshore Operations and FSUs
- Emergency Response Plans and Offshore Contingency Planning

Day 4: FSU Maintenance, Inspection, and Operational Optimization

- Regular and Preventive Maintenance of FSUs
- Key Equipment on FSUs: Pumps, Compressors, Safety Systems, and Control Units
- Inspection and Monitoring Procedures for Offshore Operations
- Optimizing FSU Storage and Offloading Operations for Efficiency
- Data-Driven Decision Making and Monitoring in FSU Management

Day 5: Best Practices, Challenges, and Future Trends in Offshore FSU Management

- Addressing Operational Challenges in Offshore LNG and FSU Operations
- Future Technologies in Offshore LNG: Automation, Digitalization, and AI Integration
- Sustainability and Green LNG Practices in Offshore Operations
- Case Studies on Successful FSU Operations and Lessons Learned
- Review, Q&A, and Practical Applications in Offshore Operations and FSU Management

Registration form on the Training Course: Offshore Operations & Floating Storage Unit (FSU) Management

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Company Information

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Full Name (Mr / Ms / Dr / Eng):

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Payment Method

- Please find enclosed a cheque made payable to Global Horizon
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