

OSFP (Offloading and Storage of Floating Production) Maintenance and Operation

OSFP maintenance ensures efficient offshore production operations.

Introduction

Understanding the process from the wellhead through the topside process, storage, and offload is essential for the OSFP to operate successfully. Even though it's one of the most crucial phases to a project's success, assembling an operations team frequently goes unnoticed. The process from the wellhead to topside process, storage, and offload will be covered in this 5-day Course N Carry Oil & Gas Technology training seminar on OSFP Operation and Maintenance.

The main technical difficulties and dangers related to the operation and maintenance of an OSFP will be the subject of this Course N Carry OSFP Operation and Maintenance training conference. The participant will gain a plethora of knowledge that will enable them to progress their project.

Featured in this Course N Carry training seminar are:

- General requirements and guidance for operation and maintenance
- Environmental Factors Impacting OSFP Performance
- Tanks for Ballast and Cargo
- Offloading Procedures
- Systems of Control and Safety
- Operational and Maintenance Safety

Objectives

Following this GLOMACS training seminar, attendees will be qualified to:

- Determine the Crucial Requirements for Operations
- Understand How the Ocean Environment Affects OSFP Operations
- Gain knowledge of the OSFP Process System.
- Recognise safety in maintenance and operation

Training Methodology

A range of tried-and-true adult learning strategies will be employed in this Course N Carry OSFP Operation and Maintenance training conference to guarantee that the

material is understood, comprehended, and retained to the greatest extent possible. There will be a lot of interaction and participation in the daily workshops. This calls for frequent communication between the director of the training session and the delegates. The participant will get extensive knowledge from this Course N Carry Oil & Gas Technology training course through the use of in-depth text, real-world case studies, images, and video animation.

Organizational impacts

Solid system knowledge is necessary for the operation and upkeep of an OSFP. To guarantee the seamless daily operation of the OSFP, it is critical to have staff members that are well-educated, knowledgeable, and trained in the following areas:

- Recognise the topsides and the complete vessel.
- Understands the specifications and operating conditions of the equipment
- Recognises how dependencies and process systems work and interact
- Possesses knowledge of operational and maintenance safety

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Personal Impact

Gaining an understanding of the complete system (process and marine) will give the participants the skills they need to solve problems, come up with wise choices, and advance in their current and future roles.

A interdisciplinary grasp of the following will be provided by this Course N Carry training seminar:

- Relevant policies and guidelines
- The ocean environment's effects on operations
- The process system's effect on safety
- Equipment upkeep and problem prevention
- Managing risky circumstances: HAZID, HAZOP, and risk evaluation
- How and why may something go awry?

Who should attend?

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Professionals of all stripes can benefit from this Course N Carry training programme, but the following will be very helpful:

- Technical Staff: Operating Staff, Project Engineers, Engineering Specialists, and Engineering Discipline Leads
- Supervisors, managers, and other non-engineering staff members, as well as maintenance technicians

Course Outline

Day 1

Overview of Offloading and Storage of Floating Production

- Overview of OSFP Technology and Design Laws, Rules, Codes, and Standards
- Operational Conditions
- General guidelines and requirements for maintenance
- Plans, Procedures, and Records for Plant Inspection and Processing Activities
- The OSFP Process System

Day 2

Aspects of the environment and design that impact operation

- Corrosion, as well as its prevention, fatigue, and stress buckles
- Hull Structural Evaluation
- Topsides Anchors and Mooring Lines
- Subsea Interfaces with Turret and Swivel Systems
- Housing and Life-Saving Devices

Day 3

Keeping and Unloading

- Characteristics of the cargo pumping system
- Storage of Cargo
- Warming of Cargo
- Venting and Cargo Blanketing
- Cargo Control System for Crude Oil Washing

- **Measuring Cargo**

- Loading and Stability of Cargo
- Operations and Protocols for Cargo Transfer
- Transferring Crude Custody Offloading
- Pressure Safety Valves for the Treatment and Transfer of Diesel Oil Storage
- QC valves, or emergency shut-down valves

Day 4

Strengthen Heating and Utilities Systems

- Power Distribution System for Heating and Power Generation
- Sources of Heat and Generators
- Batteries and UPSs
- Utility Systems for Cooling Systems
- Instrumentation and Piping for the Electrical System
- Communication
- Air Conditioning

Day 5

Operational and Maintenance Safety

- Safety Instrumentation and Control Systems Safety Systems
- Fire Prevention and Control (F&G) Offshore Plant Accessibility to the OSFP
- Risks related to Process Fluids
- Evaluation of Risks
- Emergency Preparedness: Tools and Techniques
- Preventing and managing fires
- Safety in Electricals: Emergency Cutoff