



## FPSO Operation and Maintenance

Date	Venues	(\$)Fees	Book your seat
15 Dec -19 Dec 2024	Cairo	2900	<a href="#">Register Now</a>

### Introduction

For the successful operation of the FPSO it is of vital importance to understand the process from the wellhead through the topside process, storage and offload. Often putting together an operations team receives scarce publicity despite being one of the most important steps to a successful project. This 5-day training course will present the process from the wellhead through topside process, storage and offload.

The course will focus on the key technical challenges and risks associated the operation and maintenance of an FPSO. It will arm the participant with a wealth of knowledge to help them advance their project.

#### **This training course will feature:**

- Operation and maintenance – Guidance and General Requirements
- Environmental Influences affecting FPSO operation
- Cargo and ballast tanks
- Offloading operations
- Control and safety systems
- Safety in operation and maintenance

### Objectives

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

- Identify the key operational requirements
- Recognize the effects of the ocean environment on FPSO operation
- Understand the FPSO process system
- Appreciate safety in operation and maintenance

### Training Methodology

This training course will utilise a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. The daily workshops will be highly interactive and participative. This involves regular discussion between both delegates and course director. The training course will provide the participant with an in-depth knowledge through detailed information, real-life case studies, photos and video animation.

### Who Should Attend?

**This training course is suitable to a wide range of professionals but will greatly benefit:**

- Technical staff, project engineers, engineering discipline leads, engineering specialists, and operating staff
- Maintenance technicians, supervisors, and managers, as well as other non-engineering personnel

## **SEMINAR OUTLINE**

### **DAY 1**

#### **Introduction to Floating Production, Storage and Offload**

- Introduction to FPSO design and technology
- Rules and regulations, codes and standards
- Operation requirements
- Maintenance – Guidance and general requirements
- Plant inspection
- Plans and procedures and records
- Processing operations
- FPSO process system

### **DAY 2**

#### **Environmental and Design affecting Operation**

- Corrosion and corrosion protection
- Stress, buckling and fatigue
- Hull structural assessment
- Topsides
- Mooring lines and anchors
- Turret and swivel system
- SURF and subsea interfaces

### **DAY 3**

#### **Storage and Offloading**

- Cargo and ballast system
- Tank entry
- Offloading crude
- Custody transfer
- Desalting crude
- Diesel Oil Storage Treatment Transfer

### **DAY 4**

#### **Power, Heating and Utility systems**

- Power generation system
- Power distribution system
- Heating sources and generators
- UPS and batteries
- Cooling system
- Utility systems
- Electrical system

- Piping systems
- Instrumentation
- Telecommunication

## DAY 5

### Safety in Operation and Maintenance

- Control and safety systems
- Hazards associated with process fluids
- Assessments of hazards
- Emergency plan – equipment and procedures
- Fire prevention and control
- Electrical safety



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