

Training Title

FPSO OPERATIONS ENGINEER: FLOATING PRODUCTION SYSTEMS MANAGEMENT

Training Duration

5 days

Training Venue and Dates

FPSO Operations Engineer: Floating Production Systems Management	5	01st t 05th December 2025	\$5,500	Dubai, UAE.
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Trainings will be conducted in any of the 4 or 5 star hotels.

Training Fees

- *5,500 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch.*

Training Certificate

Prolific Consultants FZE Certificate of Course Completion will be issued to all attendees.

COURSE OVERVIEW

COURSE DESCRIPTION

For the successful operation of the FPSO it is of vital importance to understand the process from the wellhead through the top side 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 FPSO Operation and Maintenance training course will focus on the key technical challenges and risks associated with 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*

COURSE OBJECTIVES:

By the end of this course delegates 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*

SUITABLE FOR:

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

- ✓ *Technical staff*
- ✓ *Project engineers*
- ✓ *Engineering discipline leads*
- ✓ *Engineering specialists*
- ✓ *Operating staff*
- ✓ *Maintenance technicians*
- ✓ *Supervisors, and managers, as well as other non-engineering personnel.*

TRAINING METHODOLOGY:

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course. Very useful Course Materials will be given.

COURSE OUTLINE :-

DAY 1

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

DAY 2

- *Corrosion and corrosion protection*
- *Stress buckling and fatigue*
- *Hull structural assessment*
- *Topsides*
- *Mooring lines and anchors*
- *Turret and swivel system*

- *SURF and subsea interfaces*
- *Accommodation and lifesaving equipment*

DAY 3

- *Cargo pumping system characteristics*
- *Cargo storage*
- *Cargo heating*
- *Cargo blanketing and venting*
- *Crude oil wash*
- *Cargo control system*
- *Cargo metering*
- *Tank entry*
- *Ballast system*
- *Cargo loading and stability*
- *Cargo transfer operations and procedures*
- *Offloading crude*
- *Custody transfer*
- *Diesel oil storage treatment transfer*
- *Pressure safety valves*
- *Emergency shutdown valves (QC valves)*

DAY 4

- *Power generation and heating*
- *Power distribution system*
- *Heating sources and generators*
- *UPSs and batteries*
- *Cooling system*
- *Utility systems*
- *Electrical system*
- *Piping*
- *Instrumentation*
- *Telecommunication*
- *HVAC*

DAY 5

- *Control and safety systems*
- *Safety instrumentation*
- *Accessibility to the FPSO offshore plant*
- *Fire prevention and control (F&G)*
- *Hazards associated with process fluids*
- *Assessment of hazards*

- *Emergency plan – equipment and procedures*
- *Fire prevention and control*
- *Electrical safety*
- *Emergency shutdown*

Case Studies, Last Day Review, Discussions & Pre & Post Assessments will be carried out.

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