

A Successful 3-Day In-house Training Course

FPSO Operation



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WHY CHOOSE THIS TRAINING COURSE?

This intensive 3-day training provides participants with an understanding of FPSO (Floating, Production, Storage and Offloading) operations and its requirements. It is intended to give a comprehensive overview of FPSO design, required tests and various issues related to the function.

WHAT ARE THE GOALS?

- To gain a comprehensive overview of the upstream oil and gas facilities associated with onshore, offshore, shallow to ultradeep water depths, FPSO and subsea developments
- To understand the relevance of FPSO operation and its requirements
- To understand how the different components are integrated into full field developments from the wellbore to product export and delivery
- To review the key oil and gas processing requirements based on end user specifications and the effects that fluid contaminants such as wax, asphaltenes, H₂S and CO₂ can have on the processing and development configurations and project costs
- To understand the key stages from project idea, through exploration, development, production and abandonment
- To gain an understanding of field development planning and associated lifecycle cost estimates and schedules required to produce the investment profile, which is the key input for project economic evaluation
- To understand the nomenclature and terminology used in the industry

WHO IS THIS TRAINING COURSE FOR?

- Engineers, Engineering Trainees and Technicians
- Project and Technical Managers
- Geologists, Geophysicists, Petrophysicists and Chemists
- Other Technical Disciplines

HOW WILL THIS TRAINING COURSE BE PRESENTED?

This Course will utilise a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes series of highly interactive instructor and student led discussions, critical observations and evaluations, videos, case studies, best practices, participatory and engaging class and reflective exercises.

Daily Topics

DAY ONE

- Introduction to offshore production systems
- Application of Floating-Production System
- Fields development with floaters and subsea production systems
- Selection Criteria for FPSOs
- FPSOs vs. Semi-Submersible, SPAR and TLP
- System Requirements
- FPSO safety
- Functional
- Mooring
- Wells
- Drilling consideration
- Intervention issues

DAY TWO

- FPSO design requirement
- Required tests for FPSO design
- CFD
- Wind testing
- Hydrodynamic testing
- Mooring system design
- Turret design

DAY THREE

- Operation of FPSO
- Power requirement
- Gas /LNG issues
- Size of tankers
- Upgrading/modification issues

Quality Certifications

ISO 29990 : 2010 Certified



ISO 9001: 2015 Certified



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