FPSO Design and Technology

14 - 18 Oct 2018, Dubai
Introduction

This 5-day training seminar has been designed to provide a better understanding of the complexity of an FPSO. The training will guide the participant through all the phases of the FPSO project from concept design to handover.

The FPSO training seminar will focus on the key design concerns, technical challenges, critical drivers and risks associated with the execution of the FPSO project. It will arm the participant with a wealth of knowledge to help them advance their project.

This training seminar will feature:

- The key components of an FPSO development ranging from hull, topside, turrets, mooring, storage and SURF to offshore loading.
- An explanation of the FPSO process and an outline of systems involved and their particulars.
- An overview of applicable rules and regulations, industry standards and regulations and environmental considerations.
- Construction, fabrication, load-out, installation and hook-up, commissioning, start-up, and handover.

Objectives

By the end of this training seminar, participants will be able to:

- Identify the key design requirements for hull, mooring, swivels and fluid transfers systems and risers.
- Recognize the effects of the ocean environment on FPSO design.
- Understand main functions of topside process systems, its typical production capabilities and related disciplines.
- Interpret applicable rules and regulations, industry standards and regulations and environmental considerations.
- Appreciate safety in design and operation.

Training Methodology

This training seminar 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 training seminar director. The training will provide the participant with an in-depth knowledge through detailed information, real-life case studies, photos and video animation.

Organisational Impact

For the design and construction of an FPSO, a firm knowledge of the fundamental principles of the various systems is essential. To be capable of handling the numerous project challenges and stay within budget and schedule, it is important to have educated, knowledgeable and well-trained personnel that:

- Understand the entire project from the well to export of the end product.
- Is aware of the main selection criteria in regard to equipment operating conditions and safety considerations.
- Appreciate the interdisciplinary nature and teamwork required for successful projects.
- Understands the rules, regulations and industry standards.
- Adopts of the industry best practices.

In sending delegates to this training seminar, the organisation will gain the following benefits:

- Develop a technically strong team.
- Increase efficiency.
- Realise higher performance at lower costs within compliance.
- Control the project budget and prevent overruns.

Personal Impact

Understanding of the entire project will provide the participants with the tools necessary to find answers and solutions and to make appropriate decisions to progress in present and future projects.

This training seminar will provide a multidisciplinary understanding of:

- Key design considerations of the overall facility.
- The impact of rules and regulations on the design of the facility.
- The impact of your role in the project.
- The importance of interdisciplinary nature and teamwork required to achieve successful projects.
- How and why things could go wrong.

Who Should Attend?

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

- Designers, managers and operators.
- Technical staff, project engineers, engineering discipline leads, engineering specialists, and operating staff.
**Seminar Outline**

**DAY 1**

**Understanding the Basic Concept of an FPSO**

- What is an FPSO?
- Class, rules, design codes, industry standards and regulations
- Construction options
- Design basis
- Shipbuilding and offshore approach
- Safety in design and operation

**DAY 2**

**FPSO vessel**

- Key metocean design criteria
- Environmental influences affecting FPSO design
- Hull design
- Topside design requirements and layout
- Structural design and global analysis
- Configuration of the topside supports

**DAY 3**

**Station Keeping and Topside Process**

- Mooring design and arrangements
- Anchors and their particulars
- Turret and swivel system
- SURF and subsea interfaces
- FPSO process system
- Pigging
- Crude desalting

**DAY 4**

**Other Design Requirements**

- Power generation, heating and utility systems
- Control and safety system
- Other design requirements

**DAY 5**

**FPSO Construction, Fabrication, Load out & Installation, and Commissioning**

- Construction
- Fabrication
- Load-out
- Installation and hook-up
- Commissioning
- Start-up
- Handover

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PAYMENT DETAILS

☐ Please invoice my company
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CERTIFICATION

Successful participants will receive GLOMACS’ Certificate of Completion

4 WAYS TO REGISTER

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TERMS AND CONDITIONS

• Fees – Each fee is inclusive of Documentation, Lunch and refreshments served during the entire seminar.
• Mode of Payment – The delegate has the option to pay the course fee directly or request to send an invoice to his/her company/sponsor. Credit card and cheque payments are both acceptable.
• Cancellation / Substitution – Request for seminar cancellation must be made in writing & received three (3) weeks prior to the seminar date. A US$ 250.00 processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.
• Hotel Accommodation – is not included in the course fee. A reduced corporate rate and a limited number of rooms may be available for attendees wishing to stay at the hotel venue. Requests for hotel reservations should be made at least three (3) weeks prior to the commencement of the seminar. All hotel accommodation is strictly subject to availability and terms and conditions imposed by the hotel will apply.
• Attendance Certificate – a certificate of attendance will only be awarded to those delegates who successfully completed/attended the entire seminar including the awarding of applicable Continuing Professional Education Units/Hours.
• Force Majeure – any circumstances beyond the control of the Company may necessitate postponement, change of seminar venue or substitution of assigned Instructor. The Company reserves the right to exercise this clause and implement such amendments.
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<th>Date</th>
<th>Venue</th>
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<td>14 - 18 Oct 2018</td>
<td>Dubai - UAE</td>
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