

A Successful 3-Day In-house Training Course

Production Optimization



ISO 29990:2010 Certified



ISO 9001:2015 Certified



This course is Designed, Developed, and Delivered under
ISO 29990:2010 Standards & ISO 9001:2015

Production Optimization

WHY CHOOSE THIS TRAINING COURSE?

This training course will present a detailed overview of FPSO production operations and yield optimization, from the wellhead to a marketable quality product. An overview of refining processes and the crude oil product specifications are presented and discussed, product properties, and economics will also be addressed.

The seminar is oriented toward the practical aspects of topside operations as well as the terminology and economics of FPSO's.

WHAT ARE THE GOALS?

- Act as a primer into the processing and optimization of FPSO topside modules
- Familiarize industry professionals with the topside processes associated with the processing of petroleum to export quality
- Equip new engineers into the industry, with the basic tools for understanding the complex nature of FPSO and its operations

HOW WILL THIS TRAINING COURSE BE PRESENTED?

Process yields is a hands on, stimulating learning experience. The course will be highly interactive, with opportunities to advance your opinions and ideas. Participation is encouraged in a supportive environment.

To ensure the concepts introduced during the seminar are understood, they will be reinforced through a mix of learning methods, including lecture style presentation, open discussion, case studies, and group work.

Attendees will have the opportunity to develop personal competencies and build up expert knowledge of crude oil yield processes in a range of equipment.

QUALITY CERTIFICATIONS



Daily Topics

DAY ONE

Crude Oil

- Introduction
- Crude Oil Properties
- Crude Oil Products & Specifications
 - » Gasoline
 - » Kerosene/ Jet Fuel
 - » Fuel Oil/ Diesel Fuels
 - » Petrochemical Feedstocks
- Refinery Complexity
- FPSO Process Flow Scheme

DAY TWO

FPSO Topside processes I

- Introduction to Petroleum Refinery Processes
 - » Physical Separation
 - » Chemical Conversion Processes
 - » Residue Reduction
 - » Blending and Storage
- FPSO Topside Processes I
- Crude Processing & Stabilization
 - » Pig Launcher / Receiver
 - » Slug Catcher
 - » Crude Heaters
 - » Separation Processes HP/ LP
 - » Dehydration and Desalting
- Case study I – Crude Stabilizing Example

DAY THREE

FPSO Topside Processes II

- FPSO Utilities
- FO/ FG systems
- Flare System
- Water Treatment
 - » Produced water
 - » Fresh water
 - » Injection water
- Steam Generation
- FPSO economics
- Case study II - FPSO Cost Estimation
- Group Discussions
- Program Evaluation & Summary



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