

A Successful 3-Day In-house Training Course

Topside Processing Systems



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WHY CHOOSE THIS TRAINING COURSE?

The objective of offshore production facilities is to receive the reservoir fluids and to separate the oil and gas for export and prepare the produce water for disposal. This is carried out by the facilities topsides processing system.

What is unique about offshore projects is their integrated nature; they are highly sensitive to the initial assumptions and decisions that are utilized to formulate the design. This three-day training course will discuss the development of an optimized topside facilities design for oil/gas production.

WHO IS THIS TRAINING COURSE FOR?

Anyone connected with the oil industry including management, field engineers, operators, equipment suppliers, safety engineers, shipping and maritime personnel

WHAT ARE THE GOALS?

At the end of this training course, you will learn to:

- Understand the requirements for processing the fluids for the reservoir
- Review of the processing specifications of the outgoing components
- Understand the functions of the main topside processing system
- Evaluate the criteria for setting the topsides layout for good operation and safety
- Appreciate the interconnection of the performance requirements of the processing and utility components
- Recognise the particular needs of plant operating on a moving deck if on a FPSO vessel
- Learn from detailed examples of existing facility topsides

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Daily Topics

DAY ONE

Introduction to offshore production systems

- Development concepts
- Reservoirs
- Typical well fluids compositions
- Export/disposal specifications

DAY TWO

Overview of oil and gas processing facilities

- Oil separation systems
- Gas compression and treatment systems
- Produced water treatment systems
- Water injection system
- Produced gas system

DAY THREE

Summary of field production facilities

- FPSO power generation
- Other process functions
- Equipment layout
- Offshore support vessels

Quality Certifications

ISO 29990 : 2010 Certified



ISO 9001: 2015 Certified



American Welding Society




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