

Dismantling of Offshore Structures

A Comprehensive Course on Project Management Addressing Every Aspect of Decommissioning

Introduction

Individuals and groups involved in the ultra-late life and decommissioning process are the target audience for this Course N Carry training session. It will provide them a more strategic understanding of decommissioning and the ways in which important decisions are made, interact, and affect success. It will also present chances for them to enhance their own and their organization's delivery.

The chance to participate in "real life" exercises pertaining to the decommissioning of a typical offshore asset will be a major learning experience for delegates.

The following will be covered in this training session on decommissioning offshore oil and gas installations:

- The strategic choices to be taken and the influence your business can have
- Process streamlining enhancements for decommissioning
- Seize chances to provide value additions
- A stronger understanding of decommissioning and related tactics through interactive training and activities linked to common field
- Acquiring supply chain, legal, and cutting-edge technological solutions

Objectives

Upon completion of this Course N Carry training programme, attendees will:

- Become knowledgeable about the issues and actions associated with oil and gas decommissioning worldwide.
- Provide solutions for the major issues facing your sector.
- Recognise different late-life and decommissioning approaches and the important choices that need to be taken.
- Learn more about your organization's and your own roles in the late-life and decommissioning decision-making process, as well as where to best provide value.
- Create a strategy for applying your knowledge to important choices and future learning requirements.

Training Methodology

When necessary, a mix of lectures, hands-on activities, case studies, and teamwork will be used to give the training. The focus is on the delegate's engagement with one another and their discussion of and contribution to practical and strategic issues.

All of the important facets of decommissioning will be covered, with an emphasis on learning from real projects and case studies.

The delegates will embark on a tour that begins in the latter stages of the field, around eight years after production has ceased. The participants to this 5-day training course on Decommissioning Offshore Oil and Gas Installation will go through the stages of early planning, preparation, execution, and closing out of an offshore field. Throughout this period, the delegates will take part in developing a decommissioning strategy, timeline, and estimate for a typical field through a series of exercises.

Organizational impacts

From a strategic and delivery standpoint, the organisation will have a better understanding of its position, potential, and possibilities throughout the late life and decommissioning phase.

In order to expedite the decommissioning process, operators, regulators, and stakeholders will train their workforce to facilitate more effective decision-making.

Supply chain companies and sponsors will also obtain more knowledge on how to strategically position their services and products and chances to address industry challenges related to decommissioning.

Personal Impact

Participants will acquire strategic information, get a better awareness of their own roles, and respect the strategies of all important parties in addition to gaining a deeper understanding of every aspect of the late life and decommissioning process.

Important effects on oneself are:

- A thorough understanding of decommissioning
- Acquiring new abilities
- Fresh possibilities for learning
- Boost the worth of his or her company even more
- Professional growth

Who should attend?

This Course N Carry training course is designed for essential professionals who need a thorough understanding of every facet of decommissioning. It is organised at the project management level.

Though a wide range of professionals can benefit from this training, the following will be especially noted:

- Key Management for Oil and Gas Operators
- Lead and project engineers are among the project personnel.
- Experts in Asset Management
- Employees in Operations,
- Submarine Experts
- Managers of Commercial Operations
- Engineers in the Sea
- Engineers in Structure
- HSE Experts
- Engineers for Maintenance
- Personnel in Supply Chain Management
- Important Regulator Employees Involved in Decommissioning
- The engineering staff and key management of the certifying authority
- Important Stakeholders

Course Outline

Day 1

Planning and Strategy for Decommissioning

- Overview and "icebreaker"
- **First Session: Decommissioning: The Truth and Myths**
- Decommissioning's scope
- Data (kinds and quantities of installations)
- Experience with North Sea and worldwide decommissioning
- Forecasts for decommissioning and activity expenditure
- Participants
- Views and standing
- **Session 2: Rules for Decommissioning**
- Rules at the national, regional, and international levels
- Regulations in the UK, Malaysia, Brazil, and West Africa compared
- An overview of the major O&G countries' regulatory needs
- Road Map for navigating the legal system
- Uncertainties and problems
- **Session 3: Options for Decommissioning**
- Reuse and alternate applications, such as man-made reefs

• Deferment and NUI

- Obstacles and problems (learned lessons)
- **Session 4: day-end summary**
- **Comments and conversation**

Day 2

Planning and Strategy (Continued)

- **Session 5: Plan for decommissioning**
- Late stages of a field's life
- Engagement of stakeholders
- Contracting approach
- Establishments
- Motivators, difficulties, and dangers
- Chain of supply
- **Session 6: Making Decommissioning Plans**
- Phases and WBS
- Timetable
- Sanctioning procedure for operators
- Estimating and spending on decommissioning
- Perils and difficulties
- **Session 7: day-end summary**
- **Comments and conversation**

Day 3

Getting Ready for Discontinuation

- **Session 8: Engineering and Project Management in**
- Data collection
- Questionnaires and availability
- System engineering downsizing
- Life support options and temporary utilities
- Management and interfaces
- Waste categories and management
- Tidying up
- Alas, desertion
- Safety and HSE Case Studies
- **Session 9: Evaluation via Comparison**
- Procedure
- Methods
- **Session 10: Day's recap**
- **Comments and conversation**

Day 4

Getting Ready for Decommissioning (Part II)

- **Session 11: Activities offshore**
- Changeover from manufacturing to decommissioning
- Instruction
- Ensuring safety and releasing hydrocarbons
- Range of the preliminary actions
- Alas, desertion
- Division of modules
- Authorization to work
- Hazards to HSE
- Important things to remember
- **Session 12: The "Toolbox" for Decommissioning Equipment**
- Take a look
- Severing
- Tidying up
- Alas, desertion
- Dredging
- Brief elevation
- **Session 13: day's recap**
- Comments and conversation

Day 5

The Final Round

- **Session 14: Transportation and Removal**
- Examining the alternatives for removal
- Fragment-small
- Just one lift
- Installation in reverse
- Reverse float-over
- An overview of the equipment used in heavy lifting
- Examining the alternatives for removal
- Considerations for removing a jacket
- Examining the possibilities for unloading and transportation
- **Session 15: Dismantling Underwater Infrastructure**
- Range of offshore operations
- Pipeline decommissioning on-site
- Pipeline and umbilical removal
- Subsea component removal
- Decommissioning of FPSO

- **Session 16: Closeout and onshore disposal/recycling**
- Onshore amenities and standards
- Duty holder factors
- Closeout operations
- Continuous Liability
- **Session 17: Training concludes**
- Comments and conversation
- Recognition and suggestions for additional reading