



## Fields Development Project

16 - 27 Sep 2024  
Barcelona (Spain)



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**Ref.:** 15343\_304883 **Date:** 16 - 27 Sep 2024 **Location:** Barcelona (Spain) **Fees:** 9500 **Euro**

## Introduction:

Working within the Oil & Gas industry provides a complex project environment that throws up its own particular project management challenges. This detailed and integrated Project Management for the Oil and Gas Industry training course will assist anyone in the industry to make better decisions on projects, whether they are involved in project selection, management, or leading aspects of projects. This training course provides the opportunity for hands-on experience using industry project case studies - and follows one current offshore project example from the cradle to the grave. This interactive Project Management for the Oil & Gas Industry training course provides participants with the skills required to deliver projects effectively, from decision-making concepts used by business development and commercial departments, through to FEED and into planning & delivery. This training course focuses on industry best practice Project Management examples merged into practical instruction. Digging deep into tried and tested processes and tools, in order to best support the likelihood of future projects achieving their desired results and benefits delivered by the project.

## Targeted Groups:

- Program and Project Managers.
- Project Management Professionals.
- Senior-related Project Support Managers.
- Senior Management Decision Makers.
- Commercial Management Personnel.
- Project Lead Engineers.
- Project Control and business services professionals who have the responsibility for planning and controlling project schedules and costs in client and contracting companies.

## Course Objectives:

### At the end of this course the participants will be able to:

- Understand the importance of integrating scope, time, resources, and cost management into a dynamic, manageable project management plan.
- Systematically define, design, and integrate end-user requirements into the project.
- Identify risk sources and learn how to mitigate potential risks and deal with uncertainty.
- Develop project network diagrams for CPM and advanced PERT calculations to identify schedule and cost risks.
- Develop a project recovery plan for budget and schedule overruns.
- Produce clear and concise project progress reports.
- Measure, forecast, and control project performance by employing earned value techniques.

## Targeted Competencies:

- The need to undertake Front End Design & Survey in an Oil & Gas environment.
- How to establish the key requirements necessary to support Oil & Gas project approval.
- How Oil & Gas organizations ascertain the strategic fit and relevant options for project delivery.
- The route to successful project integration and delivery.
- The importance of leading and managing a successful project team.

## Course Content:

### Unit 1: Concepts of Project Management & Intricacies of Project Approval in the Oil & Gas Industry:

- Projects and Programmes
- Project Life Cycles and Stage Gates
- Project Sanctioning and Approval Process PSAP for the Oil & Gas Industry
- Development of the Strategic Project Business Case
- Project Identification - Awareness of Accountability of Project Ideas
- Exploratory Decision-analysis

### Unit 2: Project Context for Oil & Gas Projects:

- Appreciation of Macro-environment in relation to Project Choice
- Understand Who Stakeholders Are and How They May Impact Upon The Project
- Regulatory Framework, Institutional Factors, and Infrastructure
- Project Feasibility Decision Makers
- Project Preparation & Planning Responsibilities

### Unit 3: Project Financial Modelling and Project Leadership Skills:

- Structuring Project Finance Deals
- Financing / Credit Risk Considerations for the Oil & Gas Project
- The Time Value of Money - How it applies to project finance?
- Yields and Rate of Return - Discounted Cash Flow DCF Analysis
- Build an Executive Leadership Style that guides the project toward greater performance and profit
- Understand the Project Organisation in a typical Oil & Gas project
- Project Manager - Unique Requirements

## **Unit 4: Identify Reasons for Project Failures & Prepare for Successful Delivery and Integration:**

- Understand Why some projects fail
- Gain an Understanding of Successful Projects and Analyse Reasons for Success
- Development of the Project Charter
- Define Success Criteria and KPIs of an example Oil & Gas Project
- Capture Project Requirements
- Understand the Need for a Project Team Approach
- Importance of Communication in an Oil & Gas project
- Working Collaboratively

## **Unit 5: Development Project Stakeholder Relationships & Project Communication:**

- Identify and Plan to engage with the Project's Key Stakeholders
- Creating Project Dashboards
- Presenting Decisions to the Project Board
- Recognizing the need for Project Recovery
- Control Decision-making
- Delivering Successful Projects within the Oil and Gas Industry

## **Unit 6: Preparing for Project Delivery:**

- Understand who the key stakeholders are and how they may impact the project
- Consider the implications of unclear needs and expectations
- Understand the Project Success Criteria and How the Project will be measured as Successful
- Define the Project Requirements
- Develop the Scope - using product and work breakdown structures
- Utilize Relevant Techniques for Project Estimating

## **Unit 7: Project Planning - Schedule, Cost & Resources:**

- Develop a Network Diagram
- Developing the Precedence Network Diagram with Total and Free Float Calculations
- Develop a Gantt Chart -The Schedule Baseline
- Understand How to Estimate Project Cost Baseline
- Familiarise Yourself with Different Contract Types according to Risk Distribution
- Learn the Difference between Fixed Price & Cost-Plus Contracts
- Resource Allocation Algorithms for Resource Prioritisation
- Planning and Scheduling Limited Resources
- Options for Accelerating the Schedule and How to Deliver

## **Unit 8: Manage Risks & Resources:**

- Risk Management Process & Model
- Identifying Potential Risk Events Typical in an Oil & Gas project
- Understand Qualitative and Quantitative Analysis Techniques
- Design Appropriate Risk Response Planning Strategies
- Challenges of an Oil & Gas Project Team
- Learn about Different Leadership Models
- Dynamics of Team Development & Motivation

## **Unit 9: Managing Project Changes while Maintaining Quality:**

- Managing Change in Projects
- Understanding the Best Practice Change Processes used in Projects
- Tracking the Project - Using Earned Value Management EVM
- Managing Variable Conditions - managing the tensions
- Learn about the Critical Chain and its Growing Popularity in the Oil & Gas Industry
- The Benefits of Utilising a Project Support Office
- Project Reviews
- Learn about Project Quality Management
- Differentiate between Quality Planning, Assurance & Control
- Understand How Quality Tools can be Used

## **Unit 10: Staying Focused, Delivering, and Closing your Project:**

- Recognizing the Operational Considerations that need to be Met and Prepared For
- Learn about Project Cost and Schedule Recovery Techniques Relevant to the Oil & Gas Industry
- The Implications of Late Recovery Practices
- Project Management Reporting
- Project Handover & Closure
- Lessons Learned



**Registration form on the :  
Fields Development Project**

**code:** 15343 **From:** 16 - 27 Sep 2024 **Venue:** Barcelona (Spain) **Fees:** 9500 **Euro**

Complete & Mail or fax to Mercury Training Center at the address given below

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