

Professional Oil and Gas Project Management

Cape Town (South Africa)

23 - 27 December 2024

UK Training

PARTNER



Professional Oil and Gas Project Management

Code: OG28 From: 23 - 27 December 2024 City: Cape Town (South Africa) Fees: 4000 Pound

Introduction

Anyone working within the Oil & Gas industry knows that it is a complex project environment that throws up its own particular challenges. This detailed and integrated course will assist anyone in the industry to make better decisions on projects, whether they are responsible for project selection, management, or leading aspects of projects through any point of the project life cycle.

This interactive course provides participants with the advanced skills required to execute business strategies effectively, from decision-making models for commercial departments, through to FEED and into planning and delivery. Using industry best practice examples merged into practical instruction, with tried and tested processes and tools, this 10-days course is designed as a road map to provide the skills for planning, organising, execution and closing out of a project

Course Objectives

- Identify with and manage stakeholders and communication needs in the Oil & Gas industry.
- Maintain continuous project performance and delivery control.
- Accurately estimate and allocate project costs and resources.
- Compress or accelerate the schedule when required by adverse circumstances.
- Develop a project close-out plan in line with expected success criteria.

Course Outlines

Day 1: Concepts of Project Management & Intricacies of Project Approval in 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.
- 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.

Day 2: Project Context for Oil & Gas Projects

- 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.
- 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.

Day 3: Project Financial Modelling and Project Leadership Skills

- Identify and plan to engage with the project's key stakeholders.
- Creating project dashboards.
- Presenting decisions to the project board.
- Recognizing need for Project Recovery.
- Control Decision-making.
- Understand who the key stakeholders are and how they may impact upon the project.
- Consider 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.
- Utilise relevant techniques for project estimating.

Day 4: Identify Reasons for Project Failures & Prepare for Successful Delivery and Integration

- 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.
- 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.

Day 5: Development Project Stakeholder Relationships & Project Communication



- 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.
- Recognising 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.



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BLACKBIRD
FOR TRAINING



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

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