

## Applied Project Management for Oil & Gas

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### Introduction

This intensive five-day course is designed specifically for professionals working in the oil and gas industry who wish to enhance their project management skills and apply advanced project management techniques to their projects. The course focuses on the effective estimation, planning, management, and control of projects, especially in the context of the oil and gas sector. Through this program, participants will explore risk identification, assessment, and control, with an emphasis on both qualitative and quantitative risk analysis. Given the inherent uncertainty in projects, particularly in technical, financial, schedule, legal, and quality aspects, this course offers a comprehensive approach to addressing these challenges.

In addition to traditional project management principles, the course will delve into advanced topics such as risk mitigation, contingency planning, and the integration of risk with earned value management, equipping participants with the skills required to manage complex projects effectively within the oil and gas sector.

### Course Objectives

By the end of this course, participants will be able to:

- Contribute to the preparation of a Project Execution Plan Project Management Plan based on an understanding of the Capital Value Process.
- Understand Decision Support Packages and their contribution to project management performance in the oil and gas industry.
- Recognize the technical and non-technical e.g., financial issues relating to project approval and funding within oil and gas projects.
- Understand basic methods for defining and estimating activities involved in oil and gas project management.
- Develop an understanding of both qualitative and quantitative risk assessment.
- Appreciate risk mitigation strategies, preliminary contingency levels, and the identification of critical variables.
- Effectively integrate risk with earned value for better project control and outcomes in the oil and gas industry.

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A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) positioned on it. The board is white and black, and the pieces are gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

## Course Outlines

### Day 1: Project Delivery Systems & Project Finance

- Overview of project management terminology.
- Pros and cons of various delivery systems in oil and gas project management.
- Key success factors in project delivery, and what to look for.
- Introduction to Build-Operate-Transfer BOT, functional specifications, issues, and concerns.
- Economic evaluation and its impact on oil and gas project finance.
- Introduction to project finance and its role in the oil and gas sector.

### Day 2: Project Finance, Cash Flow, and Advanced Project Estimating

- Project phases and the specific issues pertinent to each phase in oil and gas projects.
- Financial evaluation methods and their application in project management.
- Owner and contractor cash flow management in the oil and gas industry.
- Developing the Project Scope and creating the Work Breakdown Structure.
- Technologies used for project estimating and their application in the oil and gas sector.

### Day 3: Advanced Topics in Scheduling and Estimating of Projects

- Conceptual & parametric estimating and their relevance in oil and gas project management.
- Techniques for lead/lag scheduling and resource allocation in construction projects.
- Managing the time-cost tradeoff in complex oil and gas projects.
- Introduction to the Linear Scheduling Method and its application.
- Technologies for computer-based project scheduling in oil and gas.

### Day 4: Project Control & Negotiations in Construction Management

- Project control systems and their role in ensuring successful oil and gas project execution.
- Project updating methods and their application to keep projects on track.
- Introduction to Earned Value Management EVM for better control of oil and gas projects.
- Techniques for team development and building effective teamwork.
- Developing effective negotiation strategies and understanding BATNA Best Alternative to a Negotiated Agreement.
- Handling negotiation breakdowns and responding to common negotiation tricks in the oil and gas industry.

### Day 5: Advanced Issues in Project Management

- The role of Building Information Modeling BIM in modern project management.
- Material management in oil and gas projects, and strategies to optimize the supply chain.
- Introduction to Lean Project Management and its application in the oil and gas sector.

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## Why Attend This Course: Wins or Losses!

- **Practical Application:** Gain hands-on experience in applying project management techniques specifically tailored to the oil and gas industry. Learn how to estimate, plan, manage, and control projects in this high-risk, high-reward environment.
- **Risk Management Skills:** Equip yourself with the tools to manage both qualitative and quantitative risks, a crucial skill for any oil and gas project manager. Learn how to assess and mitigate risks, ensuring the success of your projects.
- **Improved Decision-Making:** Learn how to create Decision Support Packages that enhance project outcomes and performance, particularly in complex oil and gas projects.
- **Comprehensive Knowledge:** Develop a deep understanding of project finance, advanced estimating, and scheduling techniques—key components for successful project execution in the oil and gas industry.
- **Earned Value Management:** Understand how to integrate earned value with project performance, helping you to stay on track and within budget throughout the life of your oil and gas projects.

## Conclusion

This comprehensive Project Management for oil gas certification courses is an essential program for professionals looking to master the complexities of managing projects in the oil and gas sector. Whether you are a project manager, an aspiring manager, or a professional looking to enhance your project management skills, this course will provide you with the knowledge and techniques needed to excel in the dynamic and challenging field of oil and gas project management. By applying the principles learned in this course, you will be equipped to manage risk, improve decision-making, and drive successful project execution. Don't miss this opportunity to enhance your skills and become a leader in oil and gas project management.

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