

Oil and Gas Project Management Training Course

Introduction:

This oil and gas project management program introduces the latest methodologies for project delivery, planning, and monitoring, as well as negotiation strategies and innovative technologies specifically designed for managing oil and gas projects. The course provides concrete examples of effective practices and common pitfalls.

The comprehensive training emphasizes advanced skills and knowledge for managing projects within the oil and gas sector. It integrates a variety of concepts relevant to professionals aiming to enhance their expertise in oil and gas project management, with a focus on developing core project management competencies.

Certification in Oil and Gas Project Management:

Participants who complete this highly specialized training will gain a thorough understanding of the complexities involved in managing oil and gas projects. This may support them in achieving a recognized certificate in oil and gas management, demonstrating both theoretical knowledge and practical skills. Such certification can enhance a professional profile and signal expertise to future employers, positioning participants as proficient project managers in the oil and gas industry.

Targeted Groups:

- Project management professionals
- Commercial management professionals
- Contracts management professionals
- Financial management professionals
- Other business services professionals responsible for planning, decision-making, and controlling project schedules and costs in client or contracting companies

Course Objectives:

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

- Analyze advanced issues in project delivery systems
- Explain the nature and importance of design in oil and gas projects
- Apply management techniques to mitigate projects with compressed schedules
- Identify key factors and characteristics that contribute to project success
- Implement advanced applications of lead and lag scheduling in construction
- Address challenges related to schedule updating, cost control, and cash flow management

- Develop negotiation skills to resolve conflicts efficiently, saving time and resources
- Explain critical warranty and contractual considerations
- Recognize challenges when integrating advanced management methods and technologies into construction projects
- Utilize the latest computer tools for project management

Targeted Competencies:

- Identifying and managing stakeholders and their communication needs within the oil and gas sector
- Maintaining continuous control over project performance and delivery
- Accurately estimating and allocating project costs and resources
- Adjusting project schedules to meet unexpected circumstances
- Developing a project close-out plan aligned with defined success criteria

Course Content:

Unit 1: Project Delivery Systems and Project Finance

- Key project management terminology
- Advantages and disadvantages of various delivery systems
- Critical success factors
- Build, Operate, and Transfer project considerations, functional specifications, issues, and concerns
- Economic evaluation and project finance fundamentals

Unit 2: Project Finance, Cash Flow, and Advanced Project Estimating

- Phases of projects and challenges associated with each phase
- Methods for financial evaluation
- Cash flow management for owners and contractors
- Developing project scope
- Work breakdown structure
- Computer-based technologies for project estimating

Unit 3: Advanced Topics in Scheduling and Project Estimation

- Conceptual and parametric estimation methods
- Lead and lag scheduling techniques
- Resource allocation for construction projects

- Time-cost tradeoff analysis
- Linear scheduling method
- Computer-based project scheduling technologies

Unit 4: Project Control and Negotiation in Construction Management

- Project control systems and update methods
- Earned value management
- Team development and effective collaboration
- Developing and implementing negotiation strategies and tactics
- Understanding the Best Alternative to a Negotiated Agreement
- Managing negotiation breakdowns and countering negotiation tactics

Unit 5: Advanced Issues in Project Management

- Building information modeling applications
- Material management strategies
- Lean project management principles