

Course No. 1596

Oil and Gas Project Management Training Course

**MANAGEMENT, LEADERSHIP & DIGITAL TRANSFORMATION
OIL & GAS**

DURATION

5 Days

DELIVERY

Classroom



Course Overview

Oil and Gas projects are among the most complex and demanding projects, involving multiple disciplines, stakeholders, contractors, significant capital investment, long execution cycles, and extensive engineering, operational, commercial, contractual, and safety requirements.

Successful project management requires an integrated approach to planning, execution, cost, schedule, quality, risk, resources, and stakeholder coordination. Project teams must also maintain effective collaboration between engineering, procurement, construction, commissioning, operations, contractors, suppliers, and management.

This course provides a practical and integrated approach to Oil and Gas Project Management, covering the complete project lifecycle from project definition and planning through engineering, procurement, construction, commissioning, handover, and closeout.

The course focuses on developing participants' ability to deliver projects safely, on schedule, within budget, and to the required quality standards while effectively managing risks, changes, contracts, contractors, and operational challenges.

Objectives

- By the end of this course, participants will be able to:
- Understand the fundamental principles of Oil and Gas Project Management.
- Apply an integrated approach to managing projects throughout their lifecycle.
- Develop effective project scope, schedule, cost, and resource plans.
- Manage engineering, procurement, construction, and commissioning activities.
- Identify and monitor critical project activities and schedules.
- Apply effective cost and schedule control techniques.
- Identify, assess, and manage Oil and Gas project risks.
- Manage project changes, claims, issues, and deviations.
- Improve contractor, supplier, and stakeholder management.
- Strengthen coordination across project disciplines and functions.
- Apply Key Performance Indicators to measure project performance.
- Improve project decision-making and problem-solving.
- Strengthen the ability to deliver projects safely, on time, and within budget.

Who Should Attend

This course is designed for Project Managers, Project Engineers, Planning Engineers, Project Controls Professionals, Engineering Managers, Procurement Managers, Construction Managers, and professionals involved in Oil and Gas project delivery.

It is also suitable for professionals working in Contracts, Procurement, Supply Chain, Risk Management, Operations, Maintenance, Commissioning, HSE, and Project Management Offices.

The course is particularly valuable for managers, engineers, supervisors, and specialists seeking to strengthen their capabilities in managing complex, multidisciplinary Oil and Gas projects and improving project performance.

Learning Outcomes

- Upon successful completion of this course, participants will be able to:
- Manage Oil and Gas projects using an integrated project management approach.
- Define project scope, objectives, requirements, and key deliverables.
- Develop project plans aligned with resources, schedules, and budgets.
- Develop and monitor project schedules.
- Manage project costs and control cost and schedule deviations.
- Coordinate engineering, procurement, construction, and commissioning activities.
- Identify, analyze, and respond to project risks.
- Manage project changes, claims, issues, and variations.
- Monitor contractor and supplier performance.
- Apply Key Performance Indicators to evaluate project performance.
- Improve coordination between project teams and stakeholders.
- Make effective decisions under time, cost, and risk pressures.
- Apply structured problem-solving techniques to project challenges.
- Support project delivery in accordance with safety, quality, schedule, and cost requirements.
- Targeted Competencies
- Oil and Gas Project Management.
- Project Planning and Scheduling.
- Cost Management and Project Controls.

- Project Scope Management.
- Project Risk Management.
- Change and Claims Management.
- Contract and Contractor Management.
- Procurement and Supply Chain Management.
- Engineering and Construction Management.
- Commissioning and Handover Management.
- Stakeholder Management.
- Project Performance Measurement.
- Problem-Solving and Decision-Making.
- Multidisciplinary Project Team Management.
- Project Quality and Safety Management.

Course Outline

DAY 01

Oil and Gas Project Management Fundamentals and Project Planning

- Understanding the nature and characteristics of Oil and Gas projects.
- Oil and Gas project lifecycle.
- Project development from concept to final delivery.
- Defining project objectives, scope, and requirements.
- Developing the Work Breakdown Structure.
- Defining project deliverables and work packages.
- Establishing project roles and responsibilities.
- Project resource planning.
- Developing the Project Management Plan.
- Identifying stakeholders and communication requirements.
- Coordinating multidisciplinary project teams.

DAY 01 — CONTINUED

PRACTICAL APPLICATION

Developing an initial management framework for an Oil and Gas project.

DAY 02

Project Scheduling, Cost Management and Performance Control

- Fundamentals of Oil and Gas project planning and scheduling.
- Activity identification and sequencing.
- Critical Path Method and schedule analysis.
- Developing the project schedule baseline.
- Project resource planning and allocation.
- Developing and controlling the project budget.
- Capital expenditure and project cost management.
- Monitoring cost and schedule performance.
- Analyzing cost and schedule variances.
- Project Key Performance Indicators.
- Project performance reports and dashboards.

PRACTICAL APPLICATION

Developing and monitoring an Oil and Gas project schedule and budget.

DAY 03

Engineering, Procurement and Construction Management

- Managing the engineering and design phase.
- Coordination across engineering disciplines.
- Procurement and supply chain management.
- Managing long-lead equipment and materials.
- Supplier selection and performance management.

DAY 03 — CONTINUED

- Construction management and site activities.
- Integrating engineering, procurement, and construction.
- Contractor and subcontractor management.
- Monitoring construction progress and quality.
- Managing project interfaces and dependencies.

PRACTICAL APPLICATION

Developing an integrated engineering, procurement, and construction management framework.

DAY 04

Risk, Contract and Change Management

- Identifying Oil and Gas project risks.
- Risk assessment and prioritization.
- Developing risk response and mitigation plans.
- Managing technical, commercial, financial, and operational risks.
- Contract management and contractual responsibilities.
- Contractor and claims management.
- Managing change orders and project variations.
- Analyzing causes of delays and additional costs.
- Managing project issues and critical problems.
- Escalation and decision-making for critical project situations.

PRACTICAL APPLICATION

Developing a project risk register and risk response plan.

DAY 05

Commissioning, Handover and Project Excellence

- Planning commissioning and start-up activities.
- Managing system and equipment testing.

DAY 05 — CONTINUED

- Coordination between project, operations, and maintenance teams.
- Project handover and final acceptance.
- Managing technical documentation and project records.
- Quality and safety requirements before handover.
- Measuring final project performance.
- Evaluating project results against approved objectives.
- Lessons learned and project knowledge management.
- Improving project management practices.
- Strengthening the ability to deliver projects safely, on schedule, and within budget.

PRACTICAL APPLICATION

Developing an integrated framework for Oil and Gas project handover and closeout.

Register or Request More Information

Course page: <https://quest-training.com/courses/oil-and-gas-project-management-training-course>

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