MERCURY

Estimating, Planning & Scheduling of Projects for Oil & Gas Production

6 – 10 June 2027
Cairo (Egypt)



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Ref: 9396_302559 **Date:** 6 – 10 June 2027 **Location:** Cairo (Egypt) **Fees:** 4000 Euro

Introduction:

Working within the Oil and Gas industry provides a complex project environment that presents particular project management challenges. This detailed and integrated oil and gas project management, estimating, planning, and scheduling course will assist anyone in the industry in making better project decisions, whether they are involved in project selection, management, or project leadership.

Participants in this oil and gas project management, estimating, planning, and scheduling training course will provide hands-on experience using industry project case studies and follow one current offshore project example from the cradle to the grave.

This interactive oil and gas project management, estimating, planning, and scheduling training course provides participants with the skills required to deliver projects effectively, from decision-making concepts used by business development and commercial departments to FEED and planning and delivery.

Participants in this oil and gas project management, estimating, planning, and scheduling training focus on industry-best-practice project management examples merged into practical instruction. It digs deep into tried-and-tested processes and tools to support the likelihood of future projects achieving their desired results and benefits.

This oil and gas project management, estimating, planning, and scheduling course has been designed as a roadmap to ensure the reasoning behind project selection is understood. When we combine that with the development of skills in detailed planning, organizing, execution delivery, and closing out the project successfully, we are looking to progress our project management career with confidence.

Targeted Groups:

- Project Managers.
- Senior-related Project Support Managers.
- Senior management decision-makers.
- Commercial Management Personnel.
- Project Lead Engineers.
- Project control and business services professionals responsible for planning and controlling project schedules and costs for client and contracting companies.

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Course Objectives:

At the end of this oil and gas project management, estimating, planning, and scheduling course, the participants will be able to evolve:

- Cover the management techniques for mitigating projects with compressed schedules.
- Identify project success factors and characteristics.
- Apply advanced applications of Lead/Lag scheduling in construction.
- Discuss the unique problems related to schedule updating, cost control, and cash flow.
- Gain negotiation skills to defuse and resolve disputes, thus saving time and money.
- Explain important warranty and contractual issues.
- Recognize the challenges of integrating state-of-the-art management methods and technologies for construction projects.

Targeted Competencies:

Upon the end of this oil and gas project management, estimating, planning, and scheduling training, the target competencies will:

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

What is Estimating, Planning, and Scheduling of Oil and Gas Production Projects?

Enroll in our comprehensive course on estimating, planning, and scheduling of projects for oil and gas production to gain essential oil and gas project management skills. This specialized training covers the intricacies of oil and gas production processes, equipment, and technologies. Learn how to effectively plan and schedule projects within the oil and gas industry, including business planning and project execution.

Discover the cost estimation fundamentals for oil and gas projects, equipping you to become a proficient estimator. This oil and gas project management, estimating, planning, and scheduling course delves into

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project management methodologies explicitly tailored to the oil and gas sector, ensuring you grasp the nuances of production operations, facilities, and analytics.

By the end of this oil and gas project management, estimating, planning, and scheduling program, you'll be well-versed in oil and gas production systems and equipped with the tools to generate insightful production reports. Whether new to the industry or seeking to enhance your skills, this course provides essential knowledge for excelling in oil and gas project management.

Course Content:

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

- Projects and Programs.
- Project Life Cycles and Stage Gates.
- Project Sanctioning and Approval Process PSAP for the Oil and 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 and Gas Projects:

- Appreciation of the Macro-environment of Project Choice.
- Understand who the stakeholders are and how they may impact the project.
- Regulatory Framework, Institutional Factors, and Infrastructure.
- Project Feasibility Decision-makers.
- Project Preparation and Planning responsibilities.
- Project Financial Modelling and Project Leadership Skills.
- Structuring project finance deals.
- Financing/Credit Risk Considerations for the Oil and Gas Project.
- Learn about the time value of money and 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 more excellent performance and profit.
- Understand the Project Organisation in a typical Oil and Gas project.
- Project Manager-Unique Requirements.

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Unit 3: Identify Reasons for Project Failures and Prepare for Successful Delivery and Integration:

- Understand why some projects fail.
- Gain an understanding of successful projects and analyze reasons for success.
- Development of the Project Charter.
- Define success criteria and KPIs of an example Oil and Gas project.
- Capture Project Requirements.
- Understand the need for a project team approach.
- Importance of Communication in an Oil and Gas Project.
- Working Collaboratively.

Unit 4: Development Project Stakeholder Relationships and Project Communication:

- Identify and plan to engage with the project's key stakeholders.
- Create project dashboards.
- Presenting Decisions to the Project Board.
- Recognize the need for Project Recovery.
- Control Decision-making.

Unit 5: 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 6: Project Planning - Schedule, Cost and Resources:

- Develop a network diagram.
- Develop the precedence Network Diagram with Total and Free Float calculations.
- Develop a Gantt Chart of the schedule baseline.
- Understand how to estimate project cost baseline.
- Familiarize yourself with different Contract types according to risk distribution.
- Learn the difference between Fixed Price and Cost-Plus Contracts.
- Resource Allocation Algorithms for Resource Prioritization.
- Planning and Scheduling Limited Resources.
- Options for Accelerating the Schedule and How to Deliver.

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Unit 7: Manage Risks and Resources:

- Risk Management Process and Model.
- Identify Potential Risk Events typical in an Oil and Gas project.
- Understand qualitative and quantitative analysis techniques.
- Design appropriate risk response planning strategies.
- Challenges of an Oil and Gas Project Team.
- Learn about different leadership models.
- Dynamics of Team Development and Motivation.

Unit 8: Managing Project Changes while Maintaining Quality:

- Manage change in projects.
- Understand the best-practice change processes used in projects.
- Track 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 and Gas industry.
- Understand the benefits of utilizing a Project Support Office.
- Project Reviews.
- Learn about Project Quality Management.
- Differentiate between Quality Planning, Assurance, and Control.
- Understand how quality tools can be used.

Unit 9: Staying Focused, Delivering, and Closing Your Project:

- Recognize the operational considerations that need to be met and prepared for.
- Learn about Project Cost and Schedule Recovery Techniques relevant to the Oil and Gas industry.
- The Implications of Late Recovery Practices.
- Project Management Reporting.
- Project Handover and closure.

Conclusion:

This estimating, planning, and scheduling project for oil and gas production course equips participants with indispensable skills for effective oil and gas project management. Attendees deeply understand oil and gas production processes, equipment, and technologies through training.

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Participants become proficient in planning and scheduling within the oil and gas industry, mastering business planning and project execution strategies. They acquire expertise in cost estimation explicitly tailored for oil and gas projects, enhancing their capabilities as estimators.

This course covers project management methodologies specific to the oil and gas sector, providing insights into production operations, facilities, and analytics. Graduates emerge equipped to generate insightful production reports and optimize oil and gas production systems.

Whether participants are new to the industry or looking to enhance their skills, this oil and gas project management, estimating, planning, and scheduling course offers essential knowledge and practical tools for excelling in this field.