

advance project management office PMO & project control

Istanbul (Turkey)

28 September - 2 October 2025

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Introduction

Engineering projects are among the most challenging and complex endeavors, as they continuously push the boundaries of modern technology and human expertise. These projects are carried out in diverse environments, each with unique demands and challenges. The stakes in engineering projects are incredibly high—failure can lead to catastrophic consequences such as health and safety impacts, environmental damage, and significant financial loss.

Therefore, effective and efficient management of engineering projects is crucial. Without proper management, projects may suffer from delays, cost overruns, and in the worst cases, human fatalities and environmental disasters. This Project Control Engineer training course is designed to equip both aspiring and experienced Project Managers, Engineers, and Team Leaders with the essential skills to successfully manage and deliver engineering projects of any size and complexity, ensuring optimal outcomes and minimizing risks.

Course Objectives

By the end of this course, participants will:

- Gain a deep understanding of the fundamentals of engineering project control, including key concepts and methodologies.
- Develop key project management skills necessary for maximizing project performance and ensuring successful delivery.
- Learn how to effectively plan, organize, implement, and control engineering projects in diverse settings.
- Understand how to manage engineering project risks, identifying and mitigating potential hazards.
- Master engineering project scheduling and progress measurement techniques, including advanced tools for monitoring project success.

Course Outlines

Day 1: Engineering Project Fundamentals

- Key project terms and definitions in project management office PMO.
- Understanding the engineering project lifecycle and its relationship to project control services.
- Identifying engineering project complexity factors and their impact on overall project management.
- Analyzing the project environment and context to enhance decision-making.
- Defining the scope of engineering projects in alignment with PMO strategy and processes.
- Introduction to key financial concepts in project control and budgeting.

Day 2: Engineering Project Planning & Organizing

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

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- Identifying project objectives and prioritizing goals within the framework of PMO functions.
- Mastering engineering project planning methods, including tools used by project management office analysts.
- Developing effective work and cost breakdown structures WBS to organize tasks and resources.
- Defining project management roles and responsibilities, with a focus on the project management office officer.
- Exploring project estimating techniques and best practices for accurate forecasting.
- Learning project scheduling methods, utilizing tools to track progress and timelines.

Day 3: Implementing & Controlling Engineering Projects

- Effective project resource management, including allocation and tracking of personnel and equipment.
- Developing and managing project control systems for consistent project monitoring and adjustment.
- Implementing formal management of change to adapt to shifting project requirements.
- Conducting engineering document reviews and control to maintain quality and consistency.
- Understanding the project risk management process, ensuring risks are proactively identified and mitigated.

Day 4: Performance & Progress Measurement

- Measuring project success through consistent performance monitoring and effective metrics.
- Identifying project management success factors and aligning team efforts with key objectives.
- Implementing project monitoring and reporting methods, utilizing earned value management EVM.
- Analyzing key performance indicators KPIs to measure project performance and assess progress.
- Understanding the time-cost trade-off and how to optimize project timelines while managing costs.

Day 5: Engineering Project Leadership

- Managing project interfaces, ensuring smooth collaboration between stakeholders and project teams.
- Enhancing team building and fostering development cycles for high-performance teams.
- Mastering communication, delegation, and motivation skills to lead effectively and keep projects on track.
- Running effective project meetings, ensuring clear objectives and accountability.
- Managing stakeholder expectations to maintain project alignment and ensure satisfaction.
- Successfully closing engineering projects, ensuring proper documentation, delivery, and transition.

Conclusion

This Project Control Engineer training course provides participants with essential knowledge and skills to manage and deliver engineering projects successfully. With a focus on project controls, project management office PMO best practices, and the latest project control services, participants will be well-equipped to manage the complexities of engineering projects and lead them to success. Whether you are a project manager officer, project control analyst, or aspiring leader, this course offers the expertise necessary to navigate the most challenging engineering projects, ensuring optimal outcomes for your organization and stakeholders.

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a knight) on it, set against a background of concentric circles.

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