BLACKBIRD FOR TRAINING

advance project management office PMO & project control

23 – 27 May 2027
Cairo (Egypt)



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Introduction

Engineering projects are some of the most intricate and challenging endeavors, requiring advanced expertise, modern technology, and seamless coordination. The stakes are incredibly high—failure in managing these projects effectively can lead to severe consequences such as environmental disasters, financial losses, or safety risks. This is why the Project Management Office PMO plays a pivotal role in ensuring the successful delivery of engineering projects by implementing robust project controls and effective management practices.

This Project Control Engineer training course is designed to empower participants with essential skills and knowledge to master project management office functions, deliver high-performing projects, and mitigate risks. Whether you are an aspiring PMO project manager officer, project control analyst, or an experienced engineer, this course equips you to overcome complexities and deliver engineering projects with excellence.

Course Objectives

By the end of this course, participants will:

- Understand what is project management office PMO and its importance in engineering projects.
- Master key project management office functions and their role in optimizing engineering projects.
- Learn project controls techniques to ensure proper planning, scheduling, and resource allocation.
- Acquire skills to manage PMO project management office processes, ensuring alignment with project goals.
- Develop strategies for risk identification and mitigation using project control services.
- Enhance leadership skills, including communication, motivation, and stakeholder management, for effective project delivery.
- Understand the duties of a project controller and how they contribute to project success.
- Learn PMO best practices to achieve project alignment with organizational strategies.



Course Outlines

Day 1: Engineering Project Fundamentals

- What is a project management office PMO? Definition, responsibilities, and benefits.
- Overview of the engineering project lifecycle and its connection to project control services.
- Identifying complexity factors in engineering projects and their impact on PMO strategy.
- Defining the scope of engineering projects and aligning it with PMO project management office roles.
- Introduction to financial concepts in project management office training and budgeting.

Day 2: Engineering Project Planning & Organizing

- Setting project objectives and priorities within PMO project management office processes.
- Mastering engineering project planning tools used by project management office analysts.
- Developing effective Work Breakdown Structures WBS to organize tasks and resources.
- Defining project management office duties, including assigning roles and responsibilities.
- Exploring estimating techniques and accurate forecasting to align with project management office strategy.
- Scheduling projects with advanced tools for progress tracking and timeline optimization.

Day 3: Implementing & Controlling Engineering Projects

- Managing resources effectively, including personnel and equipment allocation.
- Developing robust project control systems to monitor and adjust project progress.
- Implementing formal management of change to address shifting requirements.
- Conducting document reviews to ensure quality and consistency in engineering projects.
- Understanding the risk management process and its importance in project controls.

Day 4: Performance & Progress Measurement

- Measuring project success using key performance metrics and earned value management EVM.
- Identifying project management office activities to improve performance monitoring.
- Analyzing key performance indicators KPIs to assess progress and adjust plans.
- Understanding the time-cost trade-off and strategies for optimizing schedules and budgets.
- Aligning team efforts with PMO project management office responsibilities and success factors.



Day 5: Engineering Project Leadership

- Managing interfaces between stakeholders and project teams for smooth collaboration.
- Enhancing team-building skills and fostering high-performance cycles.
- Mastering communication, delegation, and motivation for effective leadership.
- Running productive project meetings with clear objectives and accountability.
- Successfully closing projects with proper documentation, delivery, and transition.

Why Attend This Course: Wins & Losses!

- Gain advanced skills in project controls and learn how to implement project management office processes effectively.
- Master the responsibilities of a PMO project manager officer, enabling you to lead engineering projects to success.
- Learn PMO best practices for managing engineering projects efficiently, minimizing risks, and ensuring optimal outcomes.
- Develop expertise in project control services to monitor, adjust, and deliver high-performing projects.
- Equip yourself with leadership skills to manage project teams and stakeholders, ensuring alignment with organizational goals.

Conclusion

The Project Control Engineer Training Course offers an in-depth exploration of project management office functions, project controls, and leadership techniques. Participants will gain the tools and skills necessary to navigate complex engineering projects, ensuring successful delivery while minimizing risks.

With a focus on PMO project management office strategy and project management office training, this course prepares participants to excel in their roles as PMO officers, project control analysts, and engineering leaders. Join this course to master the art of project control, align with industry best practices, and deliver outstanding results for your organization and stakeholders.

