MERCURY

Project Delivery System

28 February – 4 March 2027
Online



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Ref: 121230_1083335 **Date:** 28 February – 4 March 2027 **Location:** Online **Fees:** 1900 Euro

Introduction:

A modern project delivery system supports organizations in achieving predictable outcomes, controlled costs, and effective stakeholder coordination. This Project Delivery System course provides a structured understanding of delivery frameworks used across construction, infrastructure, engineering, IT, and organizational projects. It explores how delivery methods influence risk, performance, and quality across the project lifecycle.

Participants gain clarity on selecting appropriate delivery systems and managing their implementation. The Project Delivery System program also covers collaborative models and performance-driven approaches. By the end, they will understand how delivery decisions shape overall project success.

Targeted Groups:

This Project Delivery System training targets professionals seeking specialized knowledge and skills:

- Ideal for project managers.
- Suitable for engineers and technical leads.
- Beneficial for construction professionals.
- Useful for planners and schedulers.
- Supports procurement and contract teams.
- Helps consultants and project advisors.
- Assists quality and compliance officers.
- Relevant to stakeholders in project governance.

Course Objectives:

Participants will achieve the following objectives by completing the Project Delivery System course:

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- Understand core delivery models.
- Identify differences between traditional and modern systems.
- Analyze roles and responsibilities in each approach.
- Evaluate delivery methods for specific project types.
- Recognize contractual structures and risk allocations.
- Explore lifecycle impacts on cost and performance.
- Apply selection criteria for delivery strategies.
- Strengthen decision-making for system adoption.
- Enhance integration across cross-functional teams.
- Improve alignment between delivery method and project goals.
- Support quality and value optimization.
- Promote timely and efficient project execution.

Targeted Competencies:

Participants will gain the following competencies during the Project Delivery System program:

- Ability to assess delivery approaches.
- Skill in comparing contract models.
- Capability to align delivery with scope and risk.
- Knowledge of collaborative delivery systems.
- Understanding of performance management.
- Competence in analyzing cost and schedule impacts.
- Proficiency in evaluating team roles.
- Insight into lifecycle planning.
- Ability to support delivery system implementation.

Studying Scenarios:

In this Project Delivery System training, participants will develop their skills through the analysis of the following scenarios:

- Selecting a delivery system for a complex project.
- Managing risks under various contract models.
- Optimizing coordination between multiple stakeholders.
- Addressing schedule delays within chosen delivery systems.
- Evaluating performance outcomes of different models.
- Balancing cost, scope, and quality under each approach.
- Applying delivery decisions in real organizational settings.

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Course Content:

Unit 1: Foundations of Project Delivery Systems:

- Definition and purpose of delivery systems.
- Key components influencing project outcomes.
- Traditional vs. modern delivery frameworks.
- Contractual structures shaping responsibilities.
- Core principles of project lifecycle integration.
- Factors affecting delivery method selection.
- Impacts of delivery systems on cost, time, and quality.
- Alignment of delivery frameworks with organizational strategy.

Unit 2: Traditional Delivery Models and Their Applications:

- Characteristics of Design-Bid-Build.
- Strengths and limitations of sequential processes.
- Owner, contractor, and designer roles.
- Cost predictability and risk distribution.
- Typical uses in public and regulated projects.
- Performance challenges in linear delivery.
- Documentation and specification requirements.
- Strategies for enhancing coordination.

Unit 3: Collaborative and Integrated Delivery Systems:

- Overview of Design-Build and variations.
- Early contractor involvement benefits.
- Integration of design and construction teams.
- Improving collaboration and reducing conflicts.
- Lean and integrated project delivery principles.
- Shared goals and shared risk models.
- Performance improvement through joint solutions.
- Tools supporting communication and alignment.

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Unit 4: Advanced Contracting and Risk Allocation:

- Contract types influencing delivery success.
- Fixed-price, cost-reimbursable, and hybrid forms.
- Impact of contract choice on performance.
- Risk allocation across stakeholders.
- Methods for reducing uncertainty.
- Managing complexity in high-value projects.
- Accountability and reporting structures.
- Techniques supporting contract compliance.

Unit 5: Strategic Selection and Implementation of Delivery Systems:

- Criteria for choosing delivery systems.
- Matching delivery approach to project scale.
- Assessing organizational capabilities.
- Ensuring governance and oversight.
- Integrating delivery decisions into planning.
- Monitoring and evaluating performance.
- Managing expectations and communications.
- Enhancing value through informed system selection.

Final Insights & Key Takeaways:

Effective project delivery systems support stronger outcomes and reduce project risks. Choosing and applying the right system ensures alignment between objectives, performance, and overall project value.