



Advanced Multi-Project Construction Management Course

25 January – 5 February 2027
Kuala Lumpur

Advanced Multi-Project Construction Management Course

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Overview

Advanced Multi-Project Construction Management Course is a ten-day advanced course for construction directors, programme managers, senior project managers, client representatives, portfolio-controls leaders, and regional operations managers. Participants govern multiple construction projects through selection, prioritization, common controls, inter-project dependencies, shared resources, contractor capacity, cross-project risk, consolidated schedules and costs, assurance reviews, escalation, recovery, benefits, and executive decisions. Agile Leaders Training Center presents an integrated oversight workflow that produces a Multi-Project Construction Oversight Pack.

Who Should Attend

- Construction directors overseeing several concurrent projects or regions
- Programme and senior project managers coordinating related construction projects
- Client representatives governing capital programmes and contractor portfolios
- Portfolio-controls leaders consolidating schedule, cost, risk, and performance information
- Operations and commercial leaders allocating scarce resources and resolving cross-project conflicts

The course assumes substantial experience managing construction delivery. It focuses on multi-project governance and integration rather than detailed control of one project, trade supervision, or generic portfolio theory.

Departments and Industries

The course supports organizations directing groups of construction projects and capital investments.

- Building, civil, infrastructure, utilities, and industrial construction
- Programme management, portfolio controls, capital delivery, and executive governance
- Contractors, developers, consultants, asset owners, and public delivery organizations
- Commercial, finance, procurement, risk, assurance, and resource-management functions
- Energy, transport, property, facilities, and public works portfolios

Learning Objectives

By the end of this course, participants will be able to:



- Design governance and decision rights for multiple construction projects
- Prioritize projects and align scope, funding, capacity, and expected benefits
- Manage dependencies, shared resources, contractor capacity, and programme interfaces
- Consolidate schedule, cost, risk, change, and performance information reliably
- Conduct assurance reviews, escalate exceptions, and direct coordinated recovery
- Build a Multi-Project Construction Oversight Pack

Course Agenda

Day 1: Multi-Project Context and Governance

- Project, Programme, and Portfolio Operating Model
- Construction Programme Vision and Outcome Map
- Governance Board, Sponsorship, and Decision-Rights Charter
- Component Project Mandate and Accountability Matrix
- Multi-Project Management Office Service Catalogue

Day 2: Selection Prioritization and Funding

- Project Intake and Strategic-Alignment Screen
- Priority Criteria, Scoring, and Decision Matrix
- Portfolio Balance, Risk Appetite, and Capacity Test
- Funding Gate and Investment-Release Schedule
- Pause, Rephase, Accelerate, or Stop Decision Record

Day 3: Integrated Scope and Dependency Management

- Component Scope Boundary and Interface Map
- Inter-Project Dependency Register
- Milestone, Handover, and Enabling-Work Network
- Common Design, Utility, Access, and Stakeholder Interfaces
- Dependency Ownership and Escalation Protocol

Day 4: Shared Resources and Contractor Capacity

- Programme Resource Demand and Supply Model
- Scarce Skill, Plant, Material, and Facility Allocation
- Contractor Capacity and Delivery-Load Assessment
- Procurement Packaging and Market-Capacity Strategy
- Resource Conflict and Reallocation Decision Matrix



Day 5: Consolidated Schedule and Delivery Control

- Integrated Master Schedule Structure and Coding
- Cross-Project Critical Path and Milestone Analysis
- Schedule Data-Cutoff and Status Governance
- Programme Lookahead and Interface-Readiness Review
- Consolidated Delay Exposure and Scenario Model

Day 6: Consolidated Cost and Commercial Oversight

- Common Cost Breakdown and Control Framework
- Project Budget, Commitment, Actual, and Forecast Consolidation
- Portfolio Cash-Flow and Funding-Demand Profile
- Cross-Project Change and Contingency Governance
- Commercial Exposure and Contractor-Performance Dashboard

Day 7: Risk Change and Benefits Integration

- Cross-Project Risk and Systemic-Exposure Register
- Programme Change Impact and Configuration Review
- Cumulative Change, Interface, and Contingency Analysis
- Benefit Definition, Ownership, and Measurement Map
- Outcome Transition and Benefits-Realization Tracker

Day 8: Assurance Reporting and Executive Decisions

- Common Data Definition and Quality-Control Standard
- Project Health, Confidence, and Exception Assessment
- Stage-Gate and Independent Assurance Review
- Executive Dashboard and Decision Narrative
- Governance Meeting, Action, and Decision Log

Day 9: Escalation Recovery and Portfolio Adaptation

- Exception Threshold and Escalation Route Map
- Root-Cause and Cross-Project Impact Analysis
- Recovery Option, Trade-Off, and Scenario Evaluation
- Coordinated Schedule, Resource, and Funding Recovery Plan
- Portfolio Rebalancing and Lessons-Learned Loop



Day 10: Multi-Project Construction Practice

- Exercise: Govern and Prioritize a Construction Project Portfolio
- Exercise: Resolve Dependencies and Shared-Resource Conflicts
- Exercise: Consolidate Schedule, Cost, Risk, and Benefit Signals
- Exercise: Direct Assurance, Escalation, and Coordinated Recovery
- Capstone Exercise: Multi-Project Construction Oversight Pack

Practical Exercises

The course uses suggested activities to turn inconsistent project data and competing demands into coordinated programme decisions.

- Suggested activity: score candidate projects, test capacity and funding, and record a portfolio decision.
- Suggested activity: map project dependencies and negotiate scarce-resource allocation across conflicting milestones.
- Suggested activity: reconcile schedule, cost, risk, change, and benefits data into an executive exception dashboard.
- Suggested activity: investigate a cross-project performance problem and build a coordinated recovery and rebalancing plan.

FAQs

Who suits the Advanced Multi-Project Construction Management Course?

It suits experienced leaders who govern, integrate, assure, or support several construction projects and must make decisions across competing priorities, dependencies, resources, and risks.

How does multi-project construction management differ from managing one project?

Single-project management optimizes one delivery system. Multi-project management must balance collective outcomes, priorities, interfaces, shared resources, contractor capacity, funding, systemic risks, and benefits across projects.

What is an inter-project dependency?

It is a relationship in which one project's decision, output, milestone, access, resource, approval, or risk affects another project's ability to proceed or achieve its intended result.

How can executives trust consolidated project reports?

Trust comes from common definitions, coding, data cutoffs, accountable owners, validation rules, exception checks, reconciliation, assurance reviews, and transparent confidence statements.



What does the capstone deliverable contain?

The Multi-Project Construction Oversight Pack includes governance, prioritization, dependency, resource, contractor-capacity, integrated-schedule, consolidated-cost, risk, change, benefit, assurance, dashboard, escalation, and recovery tools.

Conclusion

Participants take back a Multi-Project Construction Oversight Pack that connects strategy, governance, prioritization, dependencies, shared resources, contractor capacity, consolidated controls, risks, benefits, assurance, escalation, and recovery. The pack supports coherent executive decisions across projects without replacing component-level authority, specialist reviews, or investment approvals.