CONCEPT

Construction Project Management: Delivery Methods, Site Coordination and Handover

10 – 14 May 2027
London - Central London four-star



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Introduction:

Construction project management breaks down on site when the delivery method is chosen without regard to risk, trade packages reach site before the design is buildable, RFIs sit unanswered and handover starts with incomplete test records. The result is rework, idle crews and owners who cannot occupy on time. This Core Concept course equips project managers, site managers and owner's representatives to run building and infrastructure works from pre-construction through mobilisation, trade coordination, cost and quality control to commissioning and handover. Participants produce a Construction Project Execution Plan for a live or recent project.

Course Objectives:

- Select a project delivery method for a building or infrastructure scheme and set out the owner, designer and contractor roles it implies
- Run a pre-construction constructability review and prepare a site mobilisation and logistics plan before work starts
- Coordinate subcontractors and trades through package interfaces, look-ahead plans and weekly work planning
- Control construction cost through monthly valuations, cost-to-complete forecasts and variation records
- Manage site quality and project information through inspection routines, snag lists, RFI and submittal registers and BIM coordination
- Produce a Construction Project Execution Plan that carries the project through testing, commissioning and handover

Target Audience:

- Managers accountable for delivering building or infrastructure projects on the contractor or construction management side
- Site leaders who direct daily production, trade supervisors and site logistics
- Owner-side representatives who monitor contractors, approve valuations and accept completed works
- Package managers who coordinate subcontractor scopes, interfaces and procurement lead times
- Project controls and document control leads who run registers, reports and progress records on site

Course Outline:

Day 1: Construction Project Delivery Methods and Team Structures

- Construction Management Scope: Scope, Time, Cost and Quality Across Five Project Phases
- Design-Bid-Build Sequence: Separate Design Appointment and Competitive Tender on Completed Design
- Design-Build Delivery: Single Point of Responsibility, Contractor-Led and Architect-Led Variants
- Construction Management at-Risk versus Agency Construction Management: Role and Risk Comparison
- Delivery Method Selection Matrix and Project Organisation Chart

Day 2: Pre-Construction Planning, Constructability and Site Mobilisation

- Pre-Construction Services Checklist: Site Investigation, Permitting and Team Assignment
- Constructability Review Workshop Using Design Drawings and Buildability Checklists
- Trade Package Breakdown and Procurement Lead-Time Register
- Site Mobilisation Plan: Temporary Facilities, Utilities Connections and Access Routes
- Site Logistics Layout Drawing: Laydown Areas, Crane Coverage and Delivery Scheduling

Day 3: Trade Coordination, Short-Term Planning and Site Information Flow

- Subcontractor Interface Matrix and Scope Gap Review
- Look-Ahead Programme for Six Weeks with Constraint Removal Log
- Last Planner Principles at Overview: Pull Planning, Weekly Work Plan and Percent Plan Complete
- RFI Register and Submittal Log: Raising, Tracking and Closing Design Queries
- Daily Site Diary, Progress Logs and Weekly Coordination Meeting Minutes

Day 4: Site Cost Control, Quality Inspection and Coordination Risks

- Monthly Valuation and Progress Payment Application Review
- Cost-to-Complete Forecast and Variation Tracking Sheet
- Site Inspection and Test Routine with Non-Conformance Reporting and Snag Lists
- BIM for Construction Management at Overview: Clash Detection, 4D Sequencing and Model-Based Quantities
- Stakeholder and Authority Coordination Register: Permits, Utility Providers and Neighbour Interfaces

Day 5: Handover Case Study and the Construction Project Execution Plan

- Case Study: Mixed-Use Building Package Clashes and Look-Ahead Recovery
- Testing and Commissioning Sequence: Systems Completion, Witness Tests and Commissioning Records
- Handover and Closeout Pack: As-Built Records, Operation Manuals, Warranties and Defects Period Plan
- Construction Project Execution Plan Drafting for a Participant Project
- Execution Plan Presentation and Peer Challenge Panel

Skills You Will Gain:

- Delivery Method Selection
- Constructability Review
- Site Logistics Planning
- Trade Interface Coordination
- Look-Ahead Planning
- Construction Valuation and Forecasting
- Snagging and Site Quality Control
- Commissioning and Handover Planning

Why Attend This Course:

- Return with a Construction Project Execution Plan built around a building or infrastructure project of your own
- Cut idle crew time by clearing constraints, RFIs and submittals before work fronts open
- Reach practical completion with test records, as-built drawings and snag lists ready for the owner
- Compare site delivery practice with contractors, construction managers and owners' teams from commercial, public and utility projects

Conclusion:

Building and infrastructure projects are delivered or lost in the detail between the delivery contract and the final handover certificate. The course moves from delivery methods and team structures, through pre-construction planning, constructability and mobilisation, to trade coordination, look-ahead planning, site information flow, valuations, inspections, BIM and authority coordination. The last day applies that material to a mixed-use building case and produces a Construction Project Execution Plan participants can use to run their next project from site set-up to occupation.