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COURSE BROCHURE

# Advanced Multi-Project Construction Site Management Training Course

25 July – 5 August 2027
Cairo

# Advanced Multi-Project Construction Site Management Training Course

**Ref:** 212_6481 **Date:** 25 July – 5 August 2027 **Location:** Cairo **Fees:** 6500 GBP

Multi-Project Construction Site Management is a 2-week training course for construction managers, site managers and programme directors who run several live sites at once, and who leave with a multi-site control and escalation plan for their own portfolio. Clients now expect parallel handovers while crews, plant and supervisors are shared between projects. Jupiter Prime Training offers this course on multi-project construction site management.

## Why Multi-Project Construction Site Management Matters Now

Three forces shape multi-project construction site management today: contractors winning clusters of housing, retail, utilities and infrastructure packages that run in parallel; scarce supervisors, crane time and specialist subcontractors that must be shared rather than duplicated; and clients and insurers who judge a contractor by its weakest site for safety and quality. Organisations that sequence sites as one portfolio protect margins, handover dates and their safety record; those that run each site in isolation suffer resource clashes, rework and incidents nobody escalated in time. The course rests on the Critical Path Method CPM for scheduling and Earned Value Management EVM for measuring progress across concurrent projects.

## Who Gains Most from Multi-Project Construction Site Management

- Construction leads who set the build sequence and handover order across a cluster of sites
- Site leads who run daily production, permits and subcontractor coordination on one of several sites
- Portfolio directors who allocate supervisors, plant and budget between competing projects
- Health, safety and quality leads who inspect and enforce standards on more than one site
- Planning and controls leads who consolidate progress, cost and forecasts for the board

Regional operations groups of contractors and developers gain most when a portfolio director, two site managers and a controls lead from the same cluster attend together.

## Multi-Project Construction Site Management Capabilities

Participants move from fighting fires on one site to steering a whole cluster from a single set of controls.

- Design a portfolio schedule that links milestones and shared resources across concurrent sites — Portfolio Directors
- Calculate resource histograms and levelling options for supervisors, crews and cranes — Site Resource Allocation Decisions
- Specify logistics plans for deliveries, laydown, access and waste on constrained sites — Site Managers and Neighbours
- Apply earned value indices to compare cost and schedule performance between sites — Commercial and Controls Leads
- Build safety leadership and quality inspection routines that work across several sites — Clients and Insurers
- Test escalation thresholds that move issues from site to portfolio level in time — Executive Sponsors

## Key Multi-Project Construction Site Management Terms

- Portfolio Schedule — one integrated schedule showing every site's milestones, interfaces and shared resources on a common timeline.
- Resource Levelling — adjusting activity timing so shared crews, plant or supervisors are not booked on two sites at once.
- Look-Ahead Plan — a short rolling plan, usually weeks ahead, confirming that labour, materials and access are ready for upcoming work.
- Earned Value — the budgeted cost of work actually completed, compared with planned and actual cost to judge performance.
- Schedule Performance Index — earned value divided by planned value; below one means a site is behind its plan.
- Escalation Threshold — a preset limit of delay, cost, safety or quality deviation that triggers portfolio-level action.

## Multi-Project Construction Site Management Day by Day

## Day 1: The Multi-Site Operating Model

- Portfolio Mapping of Live Sites — Ranking Projects by Risk and Margin
- Roles Matrix for Site and Portfolio Leads — Clarifying Decision Rights
- Site Clustering by Geography and Trade — Sharing Supervision Efficiently
- Client and Stakeholder Mapping per Site — Balancing Competing Demands
- Portfolio Operating Rhythm — Setting Weekly and Monthly Control Meetings

## Day 2: Portfolio Scheduling

- Critical Path Method Across Linked Projects — Locating Shared Constraints
- Master and Site Schedule Hierarchies — Keeping Levels Consistent
- Interface Milestones Between Sites — Protecting Handover Sequences
- Look-Ahead and Weekly Work Plans — Confirming Readiness Before Starting
- Schedule Risk Buffers — Placing Contingency Where It Protects Most

## Day 3: Shared Resources

- Resource Histograms for Crews and Supervisors — Spotting Overloads Early
- Resource Levelling and Smoothing — Choosing Between Delay and Overtime
- Crane and Heavy Plant Booking Systems — Avoiding Double Allocation
- Workforce Mobility Planning — Moving Gangs Between Sites Safely
- Make or Buy for Shared Services — Deciding In-House Versus Subcontracted Support

## Day 4: Site Logistics

- Site Logistics Plans — Access, Laydown, Hoisting and Welfare Layouts
- Just-in-Time Delivery Scheduling — Reducing Storage on Tight Sites
- Consolidation Centres and Shared Stores — Serving Several Sites From One Hub
- Traffic Management and Neighbour Liaison — Limiting Disruption Around Sites
- Waste Segregation and Material Reuse — Cutting Disposal Across the Cluster

## Day 5: Subcontractor Supervision

- Package Scope and Interface Schedules — Preventing Gaps Between Trades
- Subcontractor Prestart Meetings — Aligning Method Statements and Resources
- Daily Coordination Briefings — Sequencing Trades on Shared Work Faces
- Subcontractor Performance Scorecards — Comparing Trades Across Sites
- Defaulting Subcontractor Recovery Plans — Protecting Programme When a Trade Fails

## Day 6: Health and Safety Leadership

- Safety Leadership Walks — Visible Commitment on Every Site
- Permit to Work Systems — Controlling High-Risk Activities Consistently
- Leading and Lagging Safety Indicators — Comparing Site Safety Performance
- Incident Investigation and Root Cause Analysis — Sharing Lessons Across Sites
- Emergency Response Planning for Several Sites — Coordinating Cover and Drills

## Day 7: Quality Inspections

- Inspection and Test Plans — Setting Hold and Witness Points per Package
- Hold Point Release Procedures — Avoiding Rework From Premature Covering
- Non-Conformance Reports and Trend Logs — Finding Repeat Defects Across Sites
- Snagging and Handover Checklists — Preparing Clean Completion
- Quality Audits Rotated Between Sites — Testing Consistency of Standards

## Day 8: Progress Measurement With Earned Value

- Work Breakdown Structures Across Projects — Measuring on a Common Basis
- Planned, Earned and Actual Cost Curves — Reading Site Performance
- Schedule and Cost Performance Indices — Comparing Sites Fairly
- Estimate at Completion Forecasts — Predicting Final Cost per Site
- Physical Progress Measurement Rules — Agreeing Credit for Partial Work

## Day 9: Daily Reporting and Escalation

- Daily Site Reports and Digital Diaries — Capturing Labour, Plant and Weather
- Portfolio Dashboards — Consolidating Key Indicators for Directors
- Escalation Thresholds and Routes — Moving Issues to the Right Level
- Cross-Site Recovery Decisions — Reallocating Resources to Rescue a Project
- Client Progress Reporting — Presenting Status and Forecasts Credibly

## Day 10: Practising the Multi-Site Control and Escalation Plan

- Portfolio Schedule Build for a Case Cluster — Applying Interface Milestones
- Resource Clash Resolution Exercise — Applying Levelling and Plant Booking
- Earned Value Review of Three Sites — Applying Performance Indices
- Safety and Quality Escalation Simulation — Applying Thresholds Under Pressure
- Multi-Site Control and Escalation Plan — Completing the Portfolio-Ready Document

## Applying Multi-Project Construction Site Management After the Course

- Build a resource histogram for supervisors and cranes across current sites and resolve the two largest clashes in the next look-ahead plan.
- Set earned value reporting on every live site using one measurement rule set and present the first comparative dashboard to the portfolio director.

## Multi-Project Construction Site Management Questions FAQ

### What is multi-project construction site management and why does it matter now?

Multi-project construction site management is the scheduling, resourcing and control of several construction sites as one portfolio. It matters now because contractors run more parallel projects with shared supervisors, plant and subcontractors, so one weak site can damage the whole cluster.

### Who gains most from multi-project construction site management training?

Construction managers, site managers and programme directors gain most, alongside safety, quality and controls leads. Each of them makes decisions that affect more than one site, from crane bookings to escalation of a failing subcontractor.

### How does multi-project construction site management training differ from a single-project site management course?

Multi-project construction site management training works at portfolio level rather than inside one site. A single-project course covers running one site well, while this course trains shared resourcing, cross-site logistics, comparative earned value and escalation between concurrent projects.

## What do you bring back from multi-project construction site management training?

You bring back a multi-site control and escalation plan for your own portfolio, with a linked schedule, resource levelling choices, logistics arrangements, earned value reporting and escalation thresholds your directors can adopt.

## Multi-Project Construction Site Management: The Way Forward

The multi-site control and escalation plan first informs where shared supervisors, crews and plant go over the coming weeks. Portfolio directors, site managers and controls leads use it as one reference for priorities and triggers. After its first cycle, revisit whether the escalation thresholds caught problems early enough, then tune them and the reporting rhythm for the next cluster of sites.