Construction Cost Estimating and Control: 1-Week Intensive

13 – 17 September 2027
Tokyo (Japan)



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Ref: 322990_221272 **Date:** 13 – 17 September 2027 **Location:** Tokyo (Japan) **Fees:** 5900 GBP

Course Description

This intensive 1-week course provides a comprehensive overview of construction cost estimating and control techniques. Participants will learn industry-standard methods for accurate cost estimation, from conceptual design to detailed project phases. The course covers essential topics including quantity take-offs, pricing strategies, cash flow management, and earned value analysis.

Learning Objectives

- Develop accurate cost estimates for various construction project phases
- Apply effective cost control methods to monitor and manage project expenses
- Utilize earned value analysis for project performance measurement
- Implement strategies for optimizing project cash flow
- Understand and apply industry best practices in construction cost management

Course Modules

Day 1: Fundamentals of Construction Cost Estimating

- Introduction to cost estimating principles
- Types of estimates: conceptual, preliminary, and detailed
- Cost estimation tools and software
- Industry standards and best practices

Day 2: Quantity Take-offs and Pricing

- Quantity surveying techniques
- Material and labor cost analysis
- Overhead and profit considerations
- Developing unit prices

Day 3: Cost Control Fundamentals

- Budgeting and cost baseline development
- Cost coding and work breakdown structures
- Progress measurement techniques
- Change order management



Day 4: Earned Value Management

- EVM principles and terminology
- Calculating and interpreting EVM metrics
- Performance analysis and forecasting
- Reporting and corrective actions

Day 5: Cash Flow Management and Advanced Topics

- Project cash flow analysis and optimization
- Risk assessment in cost estimating
- Value engineering principles
- Technology trends in cost management

Practical Wins for Participants

- Ability to create accurate and comprehensive cost estimates for construction projects
- Skills to implement effective cost control systems on job sites
- Proficiency in using earned value management for project performance tracking
- Strategies to optimize project cash flow and financial performance

