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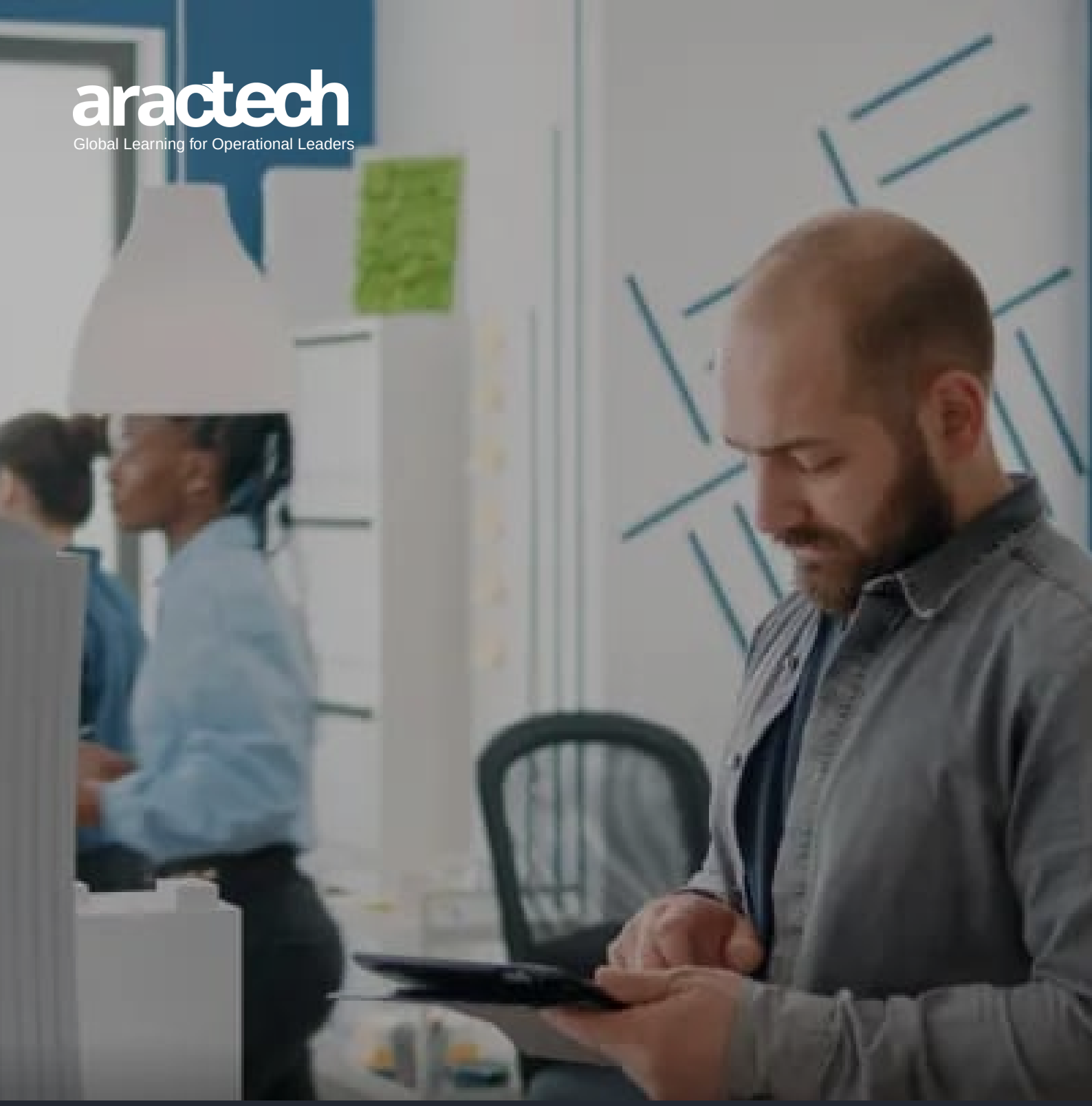

PROJECT MANAGEMENT | PM-046

Advanced Project Control and Earned Value Management

Contact

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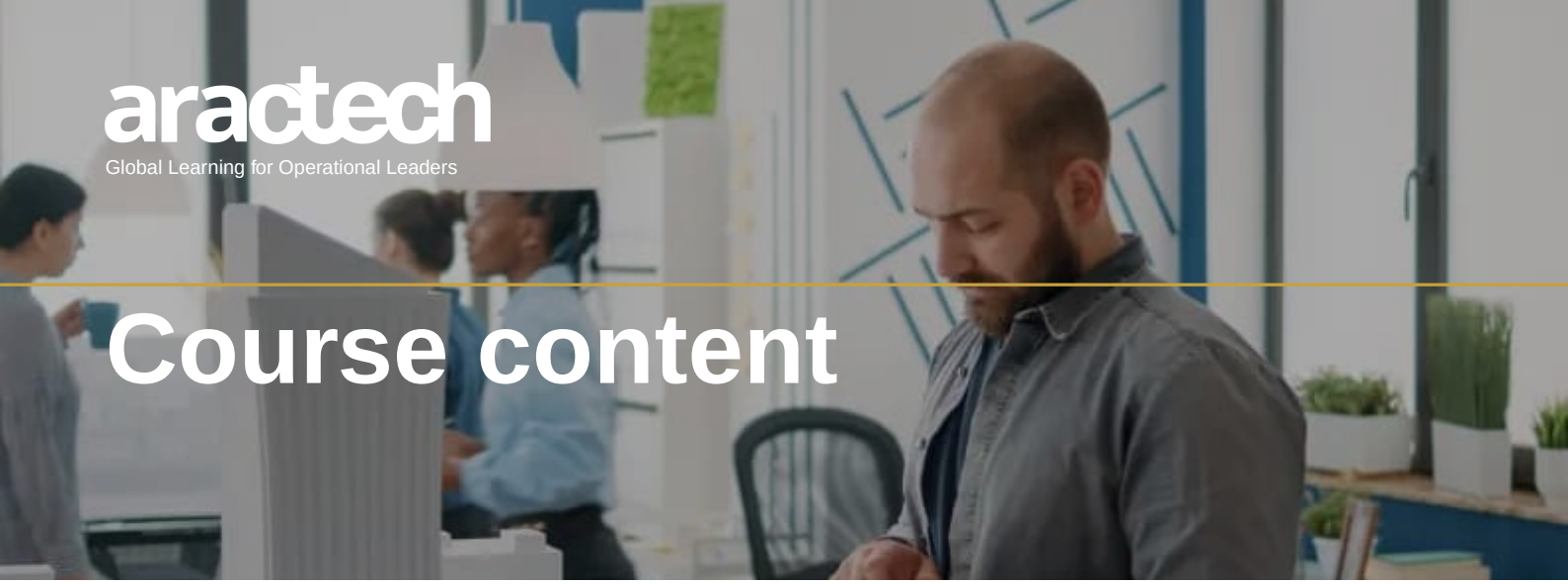

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Course content

Why Attend

Projects rarely fail suddenly. They drift, a little behind schedule and a little over budget each month, until recovery becomes impossible. Effective project control detects these trends early and gives managers time to act.

Earned Value Management (EVM) is the most widely recognised method for integrating scope, schedule and cost into a single, objective measure of performance. It answers the questions every sponsor asks: are we on track, and what will the project finally cost?

Course Methodology

• This training course will utilise a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes an interactive mixture of lecture-led learning, case studies, practical exercises and group discussions.

Course Objectives

• Understand core principles and best practices covered in Advanced Project Control and Earned Value Management.

• Apply practical techniques to day-to-day operational challenges.

• Build an implementation action plan suitable for your organization.

Target Audience

• Project managers and project control professionals

• Planners, schedulers and cost engineers

• PMO analysts

• Engineering and construction managers



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Course outline

Detailed course outline

Day-by-day outline for Advanced Project Control and Earned Value Management.

Day 1 - Foundations of Project Control

• 09:00-09:30 | The Project Control Cycle: Plan, measure, analyse, forecast and act

• 09:30-10:00 | Why Projects Overrun: Optimism bias, scope creep, poor estimates and late detection

• 10:00-10:30 | Integrated Project Control: Linking scope, schedule, cost, risk and change

• 10:30-11:00 | Control Standards and Guidelines: PMI, ANSI EIA-748 and AACE references

• 11:00-11:30 | Coffee break

• 11:30-12:00 | Roles in Project Control: Project manager, control account manager, planner and cost engineer

• 12:00-13:00 | Control System Maturity: Assessing current practice

• 13:00-14:00 | Case Study: Tracing how early warning signs were missed on a failed project

Day 2 - Building the Performance Baseline

• 09:00-09:54 | Work Breakdown Structure: Designing a WBS that supports control and reporting

• 09:54-10:21 | Control Accounts and Work Packages: Assigning responsibility and budget

• 10:21-10:48 | Scheduling for Control: Critical path, logic quality and resource loading

• 10:48-11:00 | Cost Estimating and Budgeting: Building time-phased budgets

• 11:00-11:30 | Coffee break

• 11:30-12:12 | Cost Estimating and Budgeting: Building time-phased budgets (continued)

• 12:12-12:39 | The Performance Measurement Baseline: Integrating scope, time and cost

• 12:39-13:06 | Management Reserve and Contingency: Sizing and controlling reserves

• 13:06-14:00 | Exercise: Build a time-phased baseline for a sample project



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Day 3 - Measuring Progress and Earned Value

- 09:00-09:34 | Progress Measurement Methods: Milestones, weighted steps, percent complete and units completed
- 09:34-10:08 | Earned Value Concepts: Planned value, earned value and actual cost
- 10:08-10:42 | Variances: Schedule variance and cost variance and what they reveal
- 10:42-11:00 | Performance Indices: CPI, SPI and their trends over time
- 11:00-11:30 | Coffee break
- 11:30-11:46 | Performance Indices: CPI, SPI and their trends over time (continued)
- 11:46-12:20 | Earned Schedule: A more reliable measure of schedule performance
- 12:20-12:53 | Data Quality: Ensuring progress and cost data are accurate and timely
- 12:53-14:00 | Lab: Calculate and interpret EVM metrics for a project at mid-point

Day 4 - Forecasting and Change Control

- 09:00-09:34 | Estimate at Completion: Formulas, assumptions and choosing the right method
- 09:34-10:08 | To-Complete Performance Index: Testing whether targets are realistic
- 10:08-10:42 | Schedule Forecasting: Predicting completion dates using performance trends
- 10:42-11:00 | Risk-Adjusted Forecasting: Combining EVM with risk analysis
- 11:00-11:30 | Coffee break
- 11:30-11:46 | Risk-Adjusted Forecasting: Combining EVM with risk analysis (continued)
- 11:46-12:20 | Change Control: Evaluating, approving and incorporating changes into the baseline
- 12:20-12:53 | Corrective Action: Recovery options and their trade-offs
- 12:53-14:00 | Exercise: Prepare a forecast and recovery recommendation



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Day 5 - Reporting and Embedding Project Control

- 09:00-09:34 | Performance Reporting: Dashboards, S-curves and variance narratives
- 09:34-10:08 | Reporting for Different Audiences: Teams, sponsors, clients and boards
- 10:08-10:42 | Tools and Software: Primavera P6, Microsoft Project, Excel and EVM tools
- 10:42-11:00 | EVM in Agile Projects: Adapting earned value to iterative delivery
- 11:00-11:30 | Coffee break
- 11:30-11:46 | EVM in Agile Projects: Adapting earned value to iterative delivery (continued)
- 11:46-12:53 | Implementing EVM in an Organisation: Policy, training and surveillance
- 12:53-13:27 | Lessons Learned and Continuous Improvement: Using historical data for better estimates
- 13:27-14:00 | Capstone: Participants present a full performance report and forecast



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Seminar dates

Available seminar dates

Live dates and pricing for Advanced Project Control and Earned Value Management generated from the course details page.

Date	Location	Format	Fee
4 - 8 January 2027	London	Classroom	**€2,815**
11 - 15 January 2027	Berlin	Classroom	**€3,400**
18 - 22 January 2027	Dubai	Classroom	**€2,745**
25 - 29 January 2027	Cape Town	Classroom	**€1,895**
1 - 5 February 2027	Paris	Classroom	**€2,210**
8 - 12 February 2027	Stockholm	Classroom	**€3,400**
15 - 19 February 2027	Amsterdam	Classroom	**€2,415**
22 - 26 February 2027	Istanbul	Classroom	**€2,250**
1 - 5 March 2027	London	Classroom	**€2,815**
8 - 12 March 2027	Cape Town	Classroom	**€1,895**



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Date	Location	Format	Fee
15 - 19 March 2027	Malmo	Classroom	**€3,400**
22 - 26 March 2027	Dubai	Classroom	**€2,745**
5 - 9 April 2027	Barcelona	Classroom	**€2,175**
12 - 16 April 2027	Cape Town	Classroom	**€1,895**
19 - 23 April 2027	Frankfurt	Classroom	**€2,215**
26 - 30 April 2027	Dubai	Classroom	**€2,745**
3 - 7 May 2027	Kuala lumpur	Classroom	**€2,425**
10 - 14 May 2027	Copenhagen	Classroom	**€3,400**
17 - 21 May 2027	Istanbul	Classroom	**€2,250**
24 - 28 May 2027	Dubai	Classroom	**€2,745**



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Date	Location	Format	Fee
7 - 11 June 2027	Cape Town	Classroom	**€1,895**
14 - 18 June 2027	Paris	Classroom	**€2,210**
21 - 25 June 2027	Dubai	Classroom	**€2,745**
5 - 9 July 2027	Amsterdam	Classroom	**€2,415**
12 - 16 July 2027	Dubai	Classroom	**€2,745**
19 - 23 July 2027	Oslo	Classroom	**€4,200**
26 - 30 July 2027	Cape Town	Classroom	**€1,895**
2 - 6 August 2027	Dublin	Classroom	**€3,360**
9 - 13 August 2027	Dubai	Classroom	**€2,745**
16 - 20 August 2027	Barcelona	Classroom	**€2,175**



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Date	Location	Format	Fee
23 - 27 August 2027	Cape Town	Classroom	**€1,895**
6 - 10 September 2027	Frankfurt	Classroom	**€2,215**
13 - 17 September 2027	Dubai	Classroom	**€2,745**
20 - 24 September 2027	Kuala lumpur	Classroom	**€2,425**
4 - 8 October 2027	London	Classroom	**€2,815**
11 - 15 October 2027	Manchester	Classroom	**€3,360**
18 - 22 October 2027	Dubai	Classroom	**€2,745**
25 - 29 October 2027	Cape Town	Classroom	**€1,895**
1 - 5 November 2027	Paris	Classroom	**€2,210**
8 - 12 November 2027	Dubai	Classroom	**€2,745**



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Date	Location	Format	Fee
15 - 19 November 2027	Amsterdam	Classroom	**€2,415**
22 - 26 November 2027	Dubai	Classroom	**€2,745**
6 - 10 December 2027	Liverpool	Classroom	**€3,360**
13 - 17 December 2027	Cape Town	Classroom	**€1,895**
20 - 24 December 2027	Istanbul	Classroom	**€2,250**
27 - 31 December 2027	Dubai	Classroom	**€2,745**
4 - 8 January 2027	Online / Live	Online / Live	**€1,515**
11 - 15 January 2027	Online / Live	Online / Live	**€1,515**
18 - 22 January 2027	Online / Live	Online / Live	**€1,515**
25 - 29 January 2027	Online / Live	Online / Live	**€1,515**



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Date	Location	Format	Fee
1 - 5 February 2027	Online / Live	Online / Live	**€1,515**
8 - 12 February 2027	Online / Live	Online / Live	**€1,515**
15 - 19 February 2027	Online / Live	Online / Live	**€1,515**
22 - 26 February 2027	Online / Live	Online / Live	**€1,515**
1 - 5 March 2027	Online / Live	Online / Live	**€1,515**
8 - 12 March 2027	Online / Live	Online / Live	**€1,515**
15 - 19 March 2027	Online / Live	Online / Live	**€1,515**
22 - 26 March 2027	Online / Live	Online / Live	**€1,515**
5 - 9 April 2027	Online / Live	Online / Live	**€1,515**
12 - 16 April 2027	Online / Live	Online / Live	**€1,515**



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19 - 23 April 2027	Online / Live	Online / Live	**€1,515**
26 - 30 April 2027	Online / Live	Online / Live	**€1,515**
3 - 7 May 2027	Online / Live	Online / Live	**€1,515**
10 - 14 May 2027	Online / Live	Online / Live	**€1,515**
17 - 21 May 2027	Online / Live	Online / Live	**€1,515**
24 - 28 May 2027	Online / Live	Online / Live	**€1,515**
7 - 11 June 2027	Online / Live	Online / Live	**€1,515**
14 - 18 June 2027	Online / Live	Online / Live	**€1,515**
21 - 25 June 2027	Online / Live	Online / Live	**€1,515**
5 - 9 July 2027	Online / Live	Online / Live	**€1,515**



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12 - 16 July 2027	Online / Live	Online / Live	**€1,515**
19 - 23 July 2027	Online / Live	Online / Live	**€1,515**
26 - 30 July 2027	Online / Live	Online / Live	**€1,515**
2 - 6 August 2027	Online / Live	Online / Live	**€1,515**
9 - 13 August 2027	Online / Live	Online / Live	**€1,515**
16 - 20 August 2027	Online / Live	Online / Live	**€1,515**
23 - 27 August 2027	Online / Live	Online / Live	**€1,515**
6 - 10 September 2027	Online / Live	Online / Live	**€1,515**
13 - 17 September 2027	Online / Live	Online / Live	**€1,515**
20 - 24 September 2027	Online / Live	Online / Live	**€1,515**



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11 - 15 October 2027	Online / Live	Online / Live	**€1,515**
18 - 22 October 2027	Online / Live	Online / Live	**€1,515**
25 - 29 October 2027	Online / Live	Online / Live	**€1,515**
1 - 5 November 2027	Online / Live	Online / Live	**€1,515**
8 - 12 November 2027	Online / Live	Online / Live	**€1,515**
15 - 19 November 2027	Online / Live	Online / Live	**€1,515**
22 - 26 November 2027	Online / Live	Online / Live	**€1,515**
6 - 10 December 2027	Online / Live	Online / Live	**€1,515**
13 - 17 December 2027	Online / Live	Online / Live	**€1,515**



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Date	Location	Format	Fee
20 - 24 December 2027	Online / Live	Online / Live	**€1,515**
27 - 31 December 2027	Online / Live	Online / Live	**€1,515**

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