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CONSTRUCTION MANAGEMENT | CM-049

Value Management in Construction Design

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Course content

Why Attend

The greatest opportunity to improve value on a construction project exists early, when design decisions are still flexible. Value management brings clients, designers, cost consultants and contractors together to clarify what the project must achieve and to find better ways of delivering those functions, avoiding both unnecessary cost and the loss of essential quality.

This Value Management in Construction Design training course explains the principles and practice of value management and value engineering. Participants learn how to define value for a project, analyse functions, generate creative alternatives, evaluate options using cost and performance criteria, consider whole-life costs and facilitate value workshops at different design stages.

Course Methodology

• The course is workshop-based and uses a case study project at concept and developed design stages. Participants conduct function analysis, generate and evaluate value improvement ideas, prepare whole-life cost comparisons and facilitate segments of a value management workshop.

Course Objectives

• Explain the principles of value management and value engineering

• Define project value in terms of client needs and priorities

• Apply function analysis to buildings and infrastructure

• Generate creative alternatives using structured techniques

• Evaluate options against cost, performance and risk criteria

• Apply whole-life costing to design decisions

Target Audience

• Client project managers and development managers

• Architects and design engineers

• Quantity surveyors and cost managers

Course content

• Contractors' design and preconstruction managers

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Course outline

Detailed course outline

Day-by-day outline for Value Management in Construction Design.

Day 1 - Principles of Value Management

- 09:00-09:30 | Definitions of value, value management and value engineering
- 09:30-10:00 | Value improvement compared with cost cutting
- 10:00-10:30 | When to apply value management in the project life cycle
- 10:30-11:00 | Standards and methodologies in overview
- 11:00-11:30 | Coffee break
- 11:30-12:00 | Benefits demonstrated on construction projects
- 12:00-13:00 | Roles of the client, design team and facilitator
- 13:00-14:00 | Exercise: defining value for a case study project

Day 2 - Understanding Needs and Functions

- 09:00-09:34 | Clarifying client objectives and stakeholder requirements
- 09:34-10:08 | Value trees and weighting of project objectives
- 10:08-10:42 | Function analysis using verb and noun descriptions
- 10:42-11:00 | Function analysis system technique diagrams
- 11:00-11:30 | Coffee break
- 11:30-11:46 | Function analysis system technique diagrams (continued)
- 11:46-12:20 | Linking functions to cost to find poor value
- 12:20-12:53 | Identifying unnecessary or overspecified elements
- 12:53-14:00 | Workshop: function analysis of a building design

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Day 3 - Creativity and Option Generation

- 09:00-10:00 | Creative thinking techniques for design teams
- 10:00-10:30 | Brainstorming and structured idea generation
- 10:30-11:00 | Benchmarking and lessons from other projects
- 11:00-11:30 | Coffee break
- 11:30-12:00 | Alternative materials, systems and construction methods
- 12:00-12:30 | Considering buildability and programme benefits
- 12:30-13:00 | Avoiding premature judgement of ideas
- 13:00-14:00 | Workshop: generating value improvement ideas

Day 4 - Evaluation and Whole-Life Costing

- 09:00-09:30 | Screening ideas for feasibility and risk
- 09:30-10:00 | Weighted evaluation and decision matrices
- 10:00-10:30 | Whole-life cost principles and discounting
- 10:30-11:00 | Operation, maintenance and energy cost considerations
- 11:00-11:30 | Coffee break
- 11:30-12:00 | Sustainability and carbon in value decisions
- 12:00-13:00 | Developing value proposals with supporting evidence
- 13:00-14:00 | Exercise: whole-life cost comparison of design options

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Day 5 - Workshops, Implementation and Governance

- 09:00-10:00 | Planning a value management workshop
- 10:00-10:30 | Facilitation skills for multidisciplinary teams
- 10:30-11:00 | Reporting value management outcomes
- 11:00-11:30 | Coffee break
- 11:30-12:00 | Tracking acceptance and implementation of proposals
- 12:00-12:30 | Embedding value thinking into project governance
- 12:30-13:30 | Facilitated workshop practice with feedback
- 13:30-14:00 | Personal action plan for value management

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Seminar dates

Available seminar dates

Live dates and pricing for Value Management in Construction Design generated from the course details page.

Date	Location	Format	Fee
14 - 18 December 2026	London	Classroom	**€2,915**
21 - 25 December 2026	Barcelona	Classroom	**€2,275**
7 - 11 December 2026	Frankfurt	Classroom	**€2,175**
18 - 22 January 2027	London	Classroom	**€2,915**
25 - 29 January 2027	Barcelona	Classroom	**€2,275**
4 - 8 January 2027	Frankfurt	Classroom	**€2,175**
11 - 15 January 2027	Cape Town	Classroom	**€1,825**
22 - 26 February 2027	London	Classroom	**€2,915**
1 - 5 February 2027	Barcelona	Classroom	**€2,275**
8 - 12 February 2027	Frankfurt	Classroom	**€2,175**

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Seminar dates

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Live dates and pricing for Value Management in Construction Design generated from the course details page.

Date	Location	Format	Fee
15 - 19 February 2027	Dubai	Classroom	**€2,845**
1 - 5 March 2027	London	Classroom	**€2,915**
8 - 12 March 2027	Barcelona	Classroom	**€2,275**
15 - 19 March 2027	Frankfurt	Classroom	**€2,175**
22 - 26 March 2027	Geneva	Classroom	**€3,315**
12 - 16 April 2027	London	Classroom	**€2,915**
19 - 23 April 2027	Barcelona	Classroom	**€2,275**
26 - 30 April 2027	Frankfurt	Classroom	**€2,175**
5 - 9 April 2027	Istanbul	Classroom	**€2,825**
17 - 21 May 2027	London	Classroom	**€2,915**

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Seminar dates

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Live dates and pricing for Value Management in Construction Design generated from the course details page.

Date	Location	Format	Fee
24 - 28 May 2027	Barcelona	Classroom	**€2,275**
3 - 7 May 2027	Frankfurt	Classroom	**€2,175**
10 - 14 May 2027	Kuala lumpur	Classroom	**€2,425**
14 - 18 June 2027	London	Classroom	**€2,915**
21 - 25 June 2027	Barcelona	Classroom	**€2,275**
7 - 11 June 2027	Frankfurt	Classroom	**€2,175**
5 - 9 July 2027	London	Classroom	**€2,915**
12 - 16 July 2027	Barcelona	Classroom	**€2,275**
19 - 23 July 2027	Frankfurt	Classroom	**€2,175**
26 - 30 July 2027	Munich	Classroom	**€2,425**

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Seminar dates

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Live dates and pricing for Value Management in Construction Design generated from the course details page.

Date	Location	Format	Fee
9 - 13 August 2027	London	Classroom	**€2,915**
16 - 20 August 2027	Barcelona	Classroom	**€2,275**
23 - 27 August 2027	Frankfurt	Classroom	**€2,175**
2 - 6 August 2027	Paris	Classroom	**€2,810**
13 - 17 September 2027	London	Classroom	**€2,915**
20 - 24 September 2027	Barcelona	Classroom	**€2,275**
6 - 10 September 2027	Frankfurt	Classroom	**€2,175**
25 - 29 October 2027	London	Classroom	**€2,915**
4 - 8 October 2027	Barcelona	Classroom	**€2,275**
11 - 15 October 2027	Frankfurt	Classroom	**€2,175**

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Seminar dates

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Live dates and pricing for Value Management in Construction Design generated from the course details page.

Date	Location	Format	Fee
18 - 22 October 2027	Vienna	Classroom	**€3,425**
1 - 5 November 2027	London	Classroom	**€2,915**
8 - 12 November 2027	Barcelona	Classroom	**€2,275**
15 - 19 November 2027	Frankfurt	Classroom	**€2,175**
22 - 26 November 2027	Amsterdam	Classroom	**€3,215**
13 - 17 December 2027	London	Classroom	**€2,915**
20 - 24 December 2027	Barcelona	Classroom	**€2,275**
27 - 31 December 2027	Frankfurt	Classroom	**€2,175**
6 - 10 December 2027	Cape Town	Classroom	**€1,825**
14 - 18 December 2026	Online / Live	Online / Live	**€1,625**

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Live dates and pricing for Value Management in Construction Design generated from the course details page.

Date	Location	Format	Fee
21 - 25 December 2026	Online / Live	Online / Live	**€1,625**
7 - 11 December 2026	Online / Live	Online / Live	**€1,625**
18 - 22 January 2027	Online / Live	Online / Live	**€1,625**
25 - 29 January 2027	Online / Live	Online / Live	**€1,625**
4 - 8 January 2027	Online / Live	Online / Live	**€1,625**
11 - 15 January 2027	Online / Live	Online / Live	**€1,625**
22 - 26 February 2027	Online / Live	Online / Live	**€1,625**
1 - 5 February 2027	Online / Live	Online / Live	**€1,625**
8 - 12 February 2027	Online / Live	Online / Live	**€1,625**
15 - 19 February 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
1 - 5 March 2027	Online / Live	Online / Live	**€1,625**
8 - 12 March 2027	Online / Live	Online / Live	**€1,625**
15 - 19 March 2027	Online / Live	Online / Live	**€1,625**
22 - 26 March 2027	Online / Live	Online / Live	**€1,625**
12 - 16 April 2027	Online / Live	Online / Live	**€1,625**
19 - 23 April 2027	Online / Live	Online / Live	**€1,625**
26 - 30 April 2027	Online / Live	Online / Live	**€1,625**
5 - 9 April 2027	Online / Live	Online / Live	**€1,625**
17 - 21 May 2027	Online / Live	Online / Live	**€1,625**
24 - 28 May 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
3 - 7 May 2027	Online / Live	Online / Live	**€1,625**
10 - 14 May 2027	Online / Live	Online / Live	**€1,625**
14 - 18 June 2027	Online / Live	Online / Live	**€1,625**
21 - 25 June 2027	Online / Live	Online / Live	**€1,625**
7 - 11 June 2027	Online / Live	Online / Live	**€1,625**
5 - 9 July 2027	Online / Live	Online / Live	**€1,625**
12 - 16 July 2027	Online / Live	Online / Live	**€1,625**
19 - 23 July 2027	Online / Live	Online / Live	**€1,625**
26 - 30 July 2027	Online / Live	Online / Live	**€1,625**
9 - 13 August 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
16 - 20 August 2027	Online / Live	Online / Live	**€1,625**
23 - 27 August 2027	Online / Live	Online / Live	**€1,625**
2 - 6 August 2027	Online / Live	Online / Live	**€1,625**
13 - 17 September 2027	Online / Live	Online / Live	**€1,625**
20 - 24 September 2027	Online / Live	Online / Live	**€1,625**
6 - 10 September 2027	Online / Live	Online / Live	**€1,625**
25 - 29 October 2027	Online / Live	Online / Live	**€1,625**
4 - 8 October 2027	Online / Live	Online / Live	**€1,625**
11 - 15 October 2027	Online / Live	Online / Live	**€1,625**
18 - 22 October 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
1 - 5 November 2027	Online / Live	Online / Live	**€1,625**
8 - 12 November 2027	Online / Live	Online / Live	**€1,625**
15 - 19 November 2027	Online / Live	Online / Live	**€1,625**
22 - 26 November 2027	Online / Live	Online / Live	**€1,625**
13 - 17 December 2027	Online / Live	Online / Live	**€1,625**
20 - 24 December 2027	Online / Live	Online / Live	**€1,625**
27 - 31 December 2027	Online / Live	Online / Live	**€1,625**
6 - 10 December 2027	Online / Live	Online / Live	**€1,625**