



CONSTRUCTION MANAGEMENT | CM-029

Infrastructure Asset Management

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Course content

Why Attend

Roads, bridges, water networks, rail and public buildings must be managed over long life cycles with limited budgets. Infrastructure asset management helps owners optimise investment and service levels.

This Aractech course covers asset management principles and ISO 55000, asset inventories and condition assessment, levels of service, risk and criticality, life cycle costing, investment planning and asset management plans. Participants prepare an asset management plan outline.

Course Methodology

- Framework presentations
- Case studies
- Condition assessment exercises
- Planning workshops
- Group discussions

Course Objectives

- Apply asset management principles to infrastructure
- Build asset inventories and assess condition
- Define levels of service
- Assess risk and criticality
- Apply life cycle costing
- Develop asset management and investment plans

Target Audience

- Infrastructure asset managers
- Municipal and utility engineers

Course content

- Public works managers
- Planners

Course outline

Detailed course outline

Day-by-day outline for Infrastructure Asset Management.

Day 1 - Asset Management Principles

- 09:00-09:45 | ISO 55000
- 09:45-10:30 | Asset life cycle
- 10:30-11:00 | Value and risk
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Value and risk (continued)
- 11:45-12:30 | Organisation
- 12:30-14:00 | Exercise: Maturity assessment

Day 2 - Inventory and Condition

- 09:00-09:45 | Asset registers
- 09:45-10:30 | Condition assessment
- 10:30-11:00 | Data collection
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Data collection (continued)
- 11:45-12:30 | Data systems
- 12:30-14:00 | Workshop: Condition rating

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Day 3 - Service and Risk

- 09:00-09:45 | Levels of service
- 09:45-10:30 | Customer expectations
- 10:30-11:00 | Criticality
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Criticality (continued)
- 11:45-12:30 | Risk assessment
- 12:30-14:00 | Exercise: Risk ranking

Day 4 - Life Cycle Planning

- 09:00-09:45 | Life cycle costing
- 09:45-10:30 | Maintenance versus renewal
- 10:30-11:00 | Deterioration modelling
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Deterioration modelling (continued)
- 11:45-12:30 | Prioritisation
- 12:30-14:00 | Case study: Bridge renewal decision

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Day 5 - Investment Planning

- 09:00-09:54 | Long-term plans
- 09:54-10:48 | Funding
- 10:48-11:00 | Asset management plans
- 11:00-11:30 | Coffee break
- 11:30-12:12 | Asset management plans (continued)
- 12:12-13:06 | Performance
- 13:06-14:00 | Capstone: Asset management plan outline

Seminar dates

Available seminar dates

Live dates and pricing for Infrastructure Asset Management generated from the course details page.

Date	Location	Format	Fee
9 - 13 November 2026	Istanbul	Classroom	€1,978
14 - 18 December 2026	Rome	Classroom	€3,460
18 - 22 January 2027	Kuala lumpur	Classroom	€1,925
15 - 19 February 2027	Barcelona	Classroom	€2,815
15 - 19 March 2027	London	Classroom	€2,315
19 - 23 April 2027	Munich	Classroom	€3,225
17 - 21 May 2027	Amsterdam	Classroom	€2,830
21 - 25 June 2027	Istanbul	Classroom	€1,978
19 - 23 July 2027	Rome	Classroom	€3,460
16 - 20 August 2027	Kuala lumpur	Classroom	€1,925

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20 - 24 September 2027	Barcelona	Classroom	€2,815
18 - 22 October 2027	London	Classroom	€2,315
15 - 19 November 2027	Munich	Classroom	€3,225
20 - 24 December 2027	Amsterdam	Classroom	€2,830
9 - 13 November 2026	Online / Live	Online / Live	€1,815
14 - 18 December 2026	Online / Live	Online / Live	€1,815
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15 - 19 February 2027	Online / Live	Online / Live	€1,815
15 - 19 March 2027	Online / Live	Online / Live	€1,815
19 - 23 April 2027	Online / Live	Online / Live	€1,815

Seminar dates

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17 - 21 May 2027	Online / Live	Online / Live	€1,815
21 - 25 June 2027	Online / Live	Online / Live	€1,815
19 - 23 July 2027	Online / Live	Online / Live	€1,815
16 - 20 August 2027	Online / Live	Online / Live	€1,815
20 - 24 September 2027	Online / Live	Online / Live	€1,815
18 - 22 October 2027	Online / Live	Online / Live	€1,815
15 - 19 November 2027	Online / Live	Online / Live	€1,815
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