



CONSTRUCTION MANAGEMENT | CM-030

Road and Highway Construction Management

Contact

+31 85 7444446
info@aractech.com
<https://aractech.com>

Address

Waarderweg 50, 2031PB Haarlem - Netherlands.

Course content

Why Attend

Road and highway projects involve earthworks, pavements, structures and traffic management, often under live traffic and tight budgets. Strong management ensures quality and safety.

This Aractech course covers road project planning, design basics, earthworks, pavement materials and construction, drainage, structures, traffic management during construction, quality control and contract management. Participants plan a road construction project.

Course Methodology

- Technical presentations
- Case studies
- Planning exercises
- Quality workshops
- Group discussions

Course Objectives

- Plan road and highway projects
- Understand road design basics
- Manage earthworks and pavement construction
- Control drainage and structures works
- Manage traffic during construction
- Ensure quality and contract compliance

Target Audience

- Highway engineers
- Construction managers

Course content

- Site engineers
- Project managers

Course outline

Detailed course outline

Day-by-day outline for Road and Highway Construction Management.

Day 1 - Road Projects

- 09:00-09:39 | Project types
- 09:39-10:18 | Planning
- 10:18-11:00 | Design basics
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Design basics (continued)
- 12:05-12:43 | Stakeholders
- 12:43-14:00 | Exercise: Project review

Day 2 - Earthworks

- 09:00-09:45 | Earthworks planning
- 09:45-10:30 | Compaction
- 10:30-11:00 | Equipment
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Equipment (continued)
- 11:45-12:30 | Testing
- 12:30-14:00 | Workshop: Earthworks plan

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Day 3 - Pavements

- 09:00-09:45 | Pavement types
- 09:45-10:30 | Materials
- 10:30-11:00 | Asphalt construction
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Asphalt construction (continued)
- 11:45-12:30 | Concrete pavements
- 12:30-14:00 | Exercise: Pavement quality plan

Day 4 - Drainage, Structures and Traffic

- 09:00-09:45 | Drainage
- 09:45-10:30 | Culverts and bridges
- 10:30-11:00 | Traffic management
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Traffic management (continued)
- 11:45-12:30 | Safety
- 12:30-14:00 | Case study: Highway project

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Day 5 - Quality and Contracts

- 09:00-09:54 | Quality control
- 09:54-10:48 | Testing
- 10:48-11:00 | Contract management
- 11:00-11:30 | Coffee break
- 11:30-12:12 | Contract management (continued)
- 12:12-13:06 | Handover
- 13:06-14:00 | Capstone: Road project plan

Seminar dates

Available seminar dates

Live dates and pricing for Road and Highway Construction Management generated from the course details page.

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

Seminar dates

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9 - 13 November 2026	Online / Live	Online / Live	€1,815
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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
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