



CONSTRUCTION MANAGEMENT | CM-023

Construction Quality Control and Assurance

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Course content

Why Attend

Quality failures in construction lead to rework, delays, safety risks and disputes. Systematic quality assurance and control ensure work meets specifications the first time.

This Aractech course covers construction quality management systems, quality plans, inspection and test plans, materials control, workmanship inspection, non-conformance management, testing and commissioning links and quality records. Participants develop inspection and test plans.

Course Methodology

- Practical presentations
- ITP workshops
- Case studies
- Inspection exercises
- Group discussions

Course Objectives

- Establish construction quality management systems
- Prepare project quality plans
- Develop inspection and test plans
- Control materials and workmanship
- Manage non-conformances and corrective actions
- Maintain quality records for handover

Target Audience

- QA/QC engineers and inspectors
- Construction managers

Course content

- Site engineers
- Project managers

Course outline

Detailed course outline

Day-by-day outline for Construction Quality Control and Assurance.

Day 1 - Construction Quality

- 09:00-09:45 | Quality in construction
- 09:45-10:30 | Cost of poor quality
- 10:30-11:00 | Standards
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Standards (continued)
- 11:45-12:30 | Roles
- 12:30-14:00 | Exercise: Quality issues review

Day 2 - Quality Planning

- 09:00-09:45 | Quality plans
- 09:45-10:30 | Inspection and test plans
- 10:30-11:00 | Hold and witness points
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Hold and witness points (continued)
- 11:45-12:30 | Method statements
- 12:30-14:00 | Workshop: ITP development

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Day 3 - Materials and Workmanship

- 09:00-09:45 | Material approvals
- 09:45-10:30 | Testing
- 10:30-11:00 | Workmanship inspection
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Workmanship inspection (continued)
- 11:45-12:30 | Subcontractor quality
- 12:30-14:00 | Exercise: Inspection checklist

Day 4 - Non-Conformance

- 09:00-09:45 | NCR process
- 09:45-10:30 | Root causes
- 10:30-11:00 | Corrective actions
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Corrective actions (continued)
- 11:45-12:30 | Rework
- 12:30-14:00 | Case study: Structural defect

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Day 5 - Records and Handover

- 09:00-09:54 | Quality records
- 09:54-10:48 | Audits
- 10:48-11:00 | Handover documentation
- 11:00-11:30 | Coffee break
- 11:30-12:12 | Handover documentation (continued)
- 12:12-13:06 | Lessons learned
- 13:06-14:00 | Capstone: Quality management plan

Seminar dates

Available seminar dates

Live dates and pricing for Construction Quality Control and Assurance generated from the course details page.

Date	Location	Format	Fee
9 - 13 November 2026	Barcelona	Classroom	€2,815
14 - 18 December 2026	Paris	Classroom	€3,825
18 - 22 January 2027	Rome	Classroom	€3,460
15 - 19 February 2027	Kuala Lumpur	Classroom	€1,925
15 - 19 March 2027	Barcelona	Classroom	€2,815
19 - 23 April 2027	London	Classroom	€2,315
17 - 21 May 2027	Munich	Classroom	€3,225
21 - 25 June 2027	Barcelona	Classroom	€2,815
19 - 23 July 2027	Cape Town	Classroom	€1,625
16 - 20 August 2027	Rome	Classroom	€3,460

Seminar dates

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Date	Location	Format	Fee
20 - 24 September 2027	Kuala Lumpur	Classroom	€1,925
18 - 22 October 2027	Barcelona	Classroom	€2,815
15 - 19 November 2027	London	Classroom	€2,315
20 - 24 December 2027	Munich	Classroom	€3,225
9 - 13 November 2026	Online / Live	Online / Live	€1,815
14 - 18 December 2026	Online / Live	Online / Live	€1,815
18 - 22 January 2027	Online / Live	Online / Live	€1,815
15 - 19 February 2027	Online / Live	Online / Live	€1,815
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19 - 23 April 2027	Online / Live	Online / Live	€1,815

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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
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