

CONSTRUCTION MANAGEMENT | CM-031

MEP Coordination in Construction Projects

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Course content

Why Attend

Mechanical, electrical and plumbing systems account for a large share of building costs and complexity. Poor coordination leads to clashes, rework and delays.

This Aractech course covers MEP systems overview, design coordination, BIM and clash detection, installation sequencing, interfaces with structure and finishes, testing and commissioning, and MEP handover. Participants resolve coordination issues in case drawings.

Course Methodology

- Technical presentations
- Coordination exercises
- Case studies
- BIM demonstrations
- Group discussions

Course Objectives

- Understand major MEP systems
- Coordinate MEP design across disciplines
- Use BIM for clash detection
- Plan installation sequencing
- Manage interfaces and changes
- Plan testing, commissioning and handover

Target Audience

- MEP engineers and coordinators
- Construction managers

Course content

- Project managers
- Site engineers

Course outline

Detailed course outline

Day-by-day outline for MEP Coordination in Construction Projects.

Day 1 - MEP Systems

- 09:00-09:45 | HVAC
- 09:45-10:30 | Electrical
- 10:30-11:00 | Plumbing and drainage
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Plumbing and drainage (continued)
- 11:45-12:30 | Fire protection
- 12:30-14:00 | Exercise: System overview

Day 2 - Design Coordination

- 09:00-09:45 | Coordination process
- 09:45-10:30 | Shop drawings
- 10:30-11:00 | Space allocation
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Space allocation (continued)
- 11:45-12:30 | Responsibility matrices
- 12:30-14:00 | Workshop: Coordination review

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Day 3 - BIM and Clashes

- 09:00-09:45 | BIM coordination
- 09:45-10:30 | Clash detection
- 10:30-11:00 | Resolution
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Resolution (continued)
- 11:45-12:30 | Model management
- 12:30-14:00 | Demonstration: Clash resolution

Day 4 - Installation

- 09:00-09:45 | Sequencing
- 09:45-10:30 | Interfaces
- 10:30-11:00 | Quality
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Quality (continued)
- 11:45-12:30 | Changes
- 12:30-14:00 | Case study: MEP rework

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Day 5 - Commissioning and Handover

- 09:00-09:54 | Testing
- 09:54-10:48 | Commissioning
- 10:48-11:00 | Documentation
- 11:00-11:30 | Coffee break
- 11:30-12:12 | Documentation (continued)
- 12:12-13:06 | Training
- 13:06-14:00 | Capstone: MEP coordination plan

Seminar dates

Available seminar dates

Live dates and pricing for MEP Coordination in Construction Projects generated from the course details page.

Date	Location	Format	Fee
9 - 13 November 2026	London	Classroom	€2,315
14 - 18 December 2026	Munich	Classroom	€3,225
18 - 22 January 2027	Barcelona	Classroom	€2,815
15 - 19 February 2027	Frankfurt	Classroom	€1,875
15 - 19 March 2027	Rome	Classroom	€3,460
19 - 23 April 2027	Kuala Lumpur	Classroom	€1,925
17 - 21 May 2027	Barcelona	Classroom	€2,815
21 - 25 June 2027	London	Classroom	€2,315
19 - 23 July 2027	Geneva	Classroom	€4,315
16 - 20 August 2027	Barcelona	Classroom	€2,815

Seminar dates

Available seminar dates

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Date	Location	Format	Fee
20 - 24 September 2027	Frankfurt	Classroom	€1,875
18 - 22 October 2027	Rome	Classroom	€3,460
15 - 19 November 2027	Kuala lumpur	Classroom	€1,925
20 - 24 December 2027	Barcelona	Classroom	€2,815
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
15 - 19 March 2027	Online / Live	Online / Live	€1,815
19 - 23 April 2027	Online / Live	Online / Live	€1,815

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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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