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CONSTRUCTION MANAGEMENT | CM-042

Temporary Works Design and Management

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Course content

Why Attend

Falsework, formwork, excavation support, propping, scaffolding, crane bases and many other temporary structures make permanent construction possible. Because they are temporary, they are sometimes treated with less care than permanent works, yet temporary works failures have caused some of the most serious accidents and costly delays in the industry.

This Temporary Works Design and Management training course explains how to identify, design, check, install, inspect and remove temporary works safely. Participants learn about temporary works procedures, coordinator and supervisor roles, design briefs and categories of design check, loading and stability principles, ground conditions, permits to load and dismantle, and the interface with permanent works.

Course Methodology

• The course combines technical explanation with case studies of temporary works failures and practical exercises. Participants prepare a design brief, identify temporary works on a sample project, review designs for key risks and complete permit and inspection documentation for realistic scenarios.

Course Objectives

• Explain the importance and risks of temporary works

• Describe recognised good practice and procedures for temporary works control

• Define the roles of temporary works coordinators and supervisors

• Prepare clear temporary works design briefs

• Understand loading, stability and ground considerations

• Apply appropriate design check categories

Target Audience

• Temporary works coordinators and supervisors

• Site managers and construction managers

• Site and project engineers

Course content

- Temporary works designers

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Course outline

Detailed course outline

Day-by-day outline for Temporary Works Design and Management.

Day 1 - Temporary Works and Their Risks

- 09:00-09:30 | What temporary works are and why they matter
- 09:30-10:00 | Common types: falsework, formwork, shoring and scaffolding
- 10:00-10:30 | Lessons from temporary works failures and collapses
- 10:30-11:00 | Legal duties and recognised good practice in overview
- 11:00-11:30 | Coffee break
- 11:30-12:00 | Legal duties and recognised good practice in overview (continued)
- 12:00-12:30 | The temporary works life cycle from concept to removal
- 12:30-13:00 | Interfaces between temporary and permanent works
- 13:00-14:00 | Exercise: identifying temporary works on a sample project

Day 2 - Management Systems and Roles

- 09:00-09:30 | Temporary works procedures and registers
- 09:30-10:00 | Roles of coordinators, supervisors and designers
- 10:00-10:30 | Competence and appointment of key personnel
- 10:30-11:00 | Communication between site, design and procurement
- 11:00-11:30 | Coffee break
- 11:30-12:00 | Communication between site, design and procurement (continued)
- 12:00-12:30 | Managing temporary works by subcontractors
- 12:30-13:00 | Client and principal contractor responsibilities
- 13:00-14:00 | Workshop: setting up a temporary works register

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Day 3 - Design Briefs and Design Checks

- 09:00-09:49 | Preparing clear and complete design briefs
- 09:49-10:14 | Information on loads, ground and site constraints
- 10:14-10:39 | Proprietary equipment and manufacturer guidance
- 10:39-11:00 | Design check categories and independence
- 11:00-11:30 | Coffee break
- 11:30-11:58 | Design check categories and independence (continued)
- 11:58-12:22 | Reviewing designs for practicality and buildability
- 12:22-13:11 | Managing design changes during construction
- 13:11-14:00 | Exercise: writing a temporary works design brief

Day 4 - Technical Principles

- 09:00-09:30 | Loads, load paths and stability of temporary structures
- 09:30-10:00 | Wind, impact and dynamic loading effects
- 10:00-10:30 | Ground bearing capacity and foundation for temporary works
- 10:30-11:00 | Excavation support and groundwater control
- 11:00-11:30 | Coffee break
- 11:30-12:00 | Formwork pressures and concrete pour rates
- 12:00-13:00 | Lifting operations and crane platform design
- 13:00-14:00 | Case study: analysis of a falsework collapse

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Day 5 - Installation, Inspection and Removal

- 09:00-10:07 | Checking installation against the design
- 10:07-10:41 | Permits to load and to strike or dismantle
- 10:41-11:00 | Routine inspections and inspection records
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Routine inspections and inspection records (continued)
- 11:45-12:19 | Responding to changes, damage and unexpected conditions
- 12:19-12:53 | Safe removal and dismantling sequences
- 12:53-13:27 | Auditing temporary works management on site
- 13:27-14:00 | Personal action plan for temporary works management

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Seminar dates

Available seminar dates

Live dates and pricing for Temporary Works Design and Management generated from the course details page.

Date	Location	Format	Fee
7 - 11 December 2026	London	Classroom	**€2,915**
14 - 18 December 2026	Barcelona	Classroom	**€2,275**
21 - 25 December 2026	Frankfurt	Classroom	**€2,175**
25 - 29 January 2027	London	Classroom	**€2,915**
4 - 8 January 2027	Barcelona	Classroom	**€2,275**
11 - 15 January 2027	Frankfurt	Classroom	**€2,175**
18 - 22 January 2027	Kuala lumpur	Classroom	**€2,425**
1 - 5 February 2027	London	Classroom	**€2,915**
8 - 12 February 2027	Barcelona	Classroom	**€2,275**
15 - 19 February 2027	Frankfurt	Classroom	**€2,175**

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Seminar dates

Available seminar dates

Live dates and pricing for Temporary Works Design and Management generated from the course details page.

Date	Location	Format	Fee
22 - 26 February 2027	Madrid	Classroom	**€3,400**
8 - 12 March 2027	London	Classroom	**€2,915**
15 - 19 March 2027	Barcelona	Classroom	**€2,275**
22 - 26 March 2027	Frankfurt	Classroom	**€2,175**
1 - 5 March 2027	Munich	Classroom	**€2,425**
19 - 23 April 2027	London	Classroom	**€2,915**
26 - 30 April 2027	Barcelona	Classroom	**€2,275**
5 - 9 April 2027	Frankfurt	Classroom	**€2,175**
12 - 16 April 2027	Paris	Classroom	**€2,810**
24 - 28 May 2027	London	Classroom	**€2,915**

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Seminar dates

Available seminar dates

Live dates and pricing for Temporary Works Design and Management generated from the course details page.

Date	Location	Format	Fee
3 - 7 May 2027	Barcelona	Classroom	**€2,275**
10 - 14 May 2027	Frankfurt	Classroom	**€2,175**
17 - 21 May 2027	Rome	Classroom	**€2,830**
7 - 11 June 2027	London	Classroom	**€2,915**
14 - 18 June 2027	Barcelona	Classroom	**€2,275**
21 - 25 June 2027	Frankfurt	Classroom	**€2,175**
12 - 16 July 2027	London	Classroom	**€2,915**
19 - 23 July 2027	Barcelona	Classroom	**€2,275**
26 - 30 July 2027	Frankfurt	Classroom	**€2,175**
5 - 9 July 2027	Amsterdam	Classroom	**€3,215**

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Live dates and pricing for Temporary Works Design and Management generated from the course details page.

Date	Location	Format	Fee
16 - 20 August 2027	London	Classroom	**€2,915**
23 - 27 August 2027	Barcelona	Classroom	**€2,275**
2 - 6 August 2027	Frankfurt	Classroom	**€2,175**
9 - 13 August 2027	Cape Town	Classroom	**€1,825**
6 - 10 September 2027	London	Classroom	**€2,915**
13 - 17 September 2027	Barcelona	Classroom	**€2,275**
20 - 24 September 2027	Frankfurt	Classroom	**€2,175**
4 - 8 October 2027	London	Classroom	**€2,915**
11 - 15 October 2027	Barcelona	Classroom	**€2,275**
18 - 22 October 2027	Frankfurt	Classroom	**€2,175**

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Seminar dates

Available seminar dates

Live dates and pricing for Temporary Works Design and Management generated from the course details page.

Date	Location	Format	Fee
25 - 29 October 2027	Geneva	Classroom	**€3,315**
8 - 12 November 2027	London	Classroom	**€2,915**
15 - 19 November 2027	Barcelona	Classroom	**€2,275**
22 - 26 November 2027	Frankfurt	Classroom	**€2,175**
1 - 5 November 2027	Istanbul	Classroom	**€2,825**
20 - 24 December 2027	London	Classroom	**€2,915**
27 - 31 December 2027	Barcelona	Classroom	**€2,275**
6 - 10 December 2027	Frankfurt	Classroom	**€2,175**
13 - 17 December 2027	Kuala lumpur	Classroom	**€2,425**
7 - 11 December 2026	Online / Live	Online / Live	**€1,625**

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Live dates and pricing for Temporary Works Design and Management generated from the course details page.

Date	Location	Format	Fee
14 - 18 December 2026	Online / Live	Online / Live	**€1,625**
21 - 25 December 2026	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**
18 - 22 January 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**
22 - 26 February 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
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**
1 - 5 March 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**
12 - 16 April 2027	Online / Live	Online / Live	**€1,625**
24 - 28 May 2027	Online / Live	Online / Live	**€1,625**
3 - 7 May 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
10 - 14 May 2027	Online / Live	Online / Live	**€1,625**
17 - 21 May 2027	Online / Live	Online / Live	**€1,625**
7 - 11 June 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**
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**
5 - 9 July 2027	Online / Live	Online / Live	**€1,625**
16 - 20 August 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
23 - 27 August 2027	Online / Live	Online / Live	**€1,625**
2 - 6 August 2027	Online / Live	Online / Live	**€1,625**
9 - 13 August 2027	Online / Live	Online / Live	**€1,625**
6 - 10 September 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**
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**
25 - 29 October 2027	Online / Live	Online / Live	**€1,625**

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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**
1 - 5 November 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**
13 - 17 December 2027	Online / Live	Online / Live	**€1,625**