



HEALTH SAFETY AND ENVIRONMENT | HSE-019

Lifting Operations and Crane Safety Management

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Course content

Why Attend

Lifting operations involve heavy loads, complex equipment and many people, and failures can be catastrophic. Effective planning, competent personnel and well-maintained equipment are essential.

This Aractech course covers lifting legislation and standards, lift categorisation, lift planning, crane types and capabilities, rigging and slinging, inspection and certification of lifting equipment, roles and communication, and incident lessons. Participants prepare lift plans for typical and complex lifts.

Course Methodology

- Technical presentations
- Lift planning exercises
- Incident case studies
- Equipment inspection examples
- Group discussions

Course Objectives

- Understand legal requirements for lifting operations
- Categorise lifts and plan them appropriately
- Understand crane types, capacities and limitations
- Apply safe rigging and slinging practices
- Manage inspection and certification of equipment
- Coordinate roles and communication during lifts

Target Audience

- Lifting supervisors and appointed persons
- Construction and maintenance managers

Course content

- HSE professionals
- Engineers

Course outline

Detailed course outline

Day-by-day outline for Lifting Operations and Crane Safety Management.

Day 1 - Lifting Fundamentals

- 09:00-09:39 | Lifting hazards
- 09:39-10:18 | Legal requirements
- 10:18-10:57 | Roles and responsibilities
- 10:57-11:00 | Lifting equipment types
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Lifting equipment types (continued)
- 12:05-12:43 | Incident lessons
- 12:43-14:00 | Case study: Crane collapse

Day 2 - Lift Planning

- 09:00-09:39 | Lift categories
- 09:39-10:18 | Load assessment
- 10:18-10:57 | Ground conditions
- 10:57-11:00 | Lift plans
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Lift plans (continued)
- 12:05-12:43 | Weather limits
- 12:43-14:00 | Workshop: Preparing a lift plan

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Day 3 - Cranes and Capacity

- 09:00-09:39 | Mobile and tower cranes
- 09:39-10:18 | Load charts
- 10:18-10:57 | Outriggers
- 10:57-11:00 | Tandem lifts
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Tandem lifts (continued)
- 12:05-12:43 | Limitations
- 12:43-14:00 | Exercise: Load chart reading

Day 4 - Rigging and Equipment

- 09:00-09:39 | Slings and accessories
- 09:39-10:18 | Rigging practices
- 10:18-10:57 | Inspection
- 10:57-11:00 | Certification
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Certification (continued)
- 12:05-12:43 | Storage
- 12:43-14:00 | Exercise: Inspection checklist

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Day 5 - Managing Lifting Operations

- 09:00-09:45 | Communication and signals
- 09:45-10:30 | Exclusion zones
- 10:30-11:00 | Supervision
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Supervision (continued)
- 11:45-12:30 | Audits
- 12:30-13:15 | Improvement
- 13:15-14:00 | Capstone: Lifting management procedure

Seminar dates

Available seminar dates

Live dates and pricing for Lifting Operations and Crane Safety Management generated from the course details page.

Date	Location	Format	Fee
16 - 20 November 2026	Barcelona	Classroom	€2,815
7 - 11 December 2026	Munich	Classroom	€3,225
11 - 15 January 2027	Barcelona	Classroom	€2,815
8 - 12 February 2027	Amsterdam	Classroom	€2,830
8 - 12 March 2027	London	Classroom	€2,315
12 - 16 April 2027	Munich	Classroom	€3,225
10 - 14 May 2027	London	Classroom	€2,315
14 - 18 June 2027	Barcelona	Classroom	€2,815
12 - 16 July 2027	Munich	Classroom	€3,225
9 - 13 August 2027	Barcelona	Classroom	€2,815

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13 - 17 September 2027	Amsterdam	Classroom	€2,830
11 - 15 October 2027	London	Classroom	€2,315
8 - 12 November 2027	Munich	Classroom	€3,225
13 - 17 December 2027	London	Classroom	€2,315
16 - 20 November 2026	Online / Live	Online / Live	€1,815
7 - 11 December 2026	Online / Live	Online / Live	€1,815
11 - 15 January 2027	Online / Live	Online / Live	€1,815
8 - 12 February 2027	Online / Live	Online / Live	€1,815
8 - 12 March 2027	Online / Live	Online / Live	€1,815
12 - 16 April 2027	Online / Live	Online / Live	€1,815

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10 - 14 May 2027	Online / Live	Online / Live	€1,815
14 - 18 June 2027	Online / Live	Online / Live	€1,815
12 - 16 July 2027	Online / Live	Online / Live	€1,815
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