



HEALTH SAFETY AND ENVIRONMENT | HSE-032

Machinery Safety and Guarding

Contact

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

Address

Waarderweg 50, 2031PB Haarlem - Netherlands.

Course content

Why Attend

Machinery causes many serious injuries, including amputations and crush injuries. Most are preventable with proper guarding, safety devices and safe working procedures.

This Aractech course covers machinery hazards, risk assessment, guarding types, safety devices and interlocks, safety-related control systems, lockout for maintenance, new and modified machinery requirements, and inspection programmes. Participants assess machines and recommend improvements.

Course Methodology

- Technical presentations
- Machine assessment exercises
- Case studies
- Group discussions
- Action planning

Course Objectives

- Identify machinery hazards
- Assess machinery risks
- Select appropriate guards and safety devices
- Understand safety-related control systems
- Apply lockout and safe maintenance procedures
- Manage machinery safety compliance

Target Audience

- Production and maintenance engineers
- Supervisors

Course content

- HSE professionals
- Machine operators' leaders

Course outline

Detailed course outline

Day-by-day outline for Machinery Safety and Guarding.

Day 1 - Machinery Hazards

- 09:00-09:39 | Mechanical hazards
- 09:39-10:18 | Non-mechanical hazards
- 10:18-10:57 | Incident statistics
- 10:57-11:00 | Legal requirements
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Legal requirements (continued)
- 12:05-12:43 | Risk assessment
- 12:43-14:00 | Exercise: Hazard identification

Day 2 - Guarding

- 09:00-09:34 | Fixed guards
- 09:34-10:08 | Interlocked guards
- 10:08-10:42 | Adjustable guards
- 10:42-11:00 | Guard design
- 11:00-11:30 | Coffee break
- 11:30-12:19 | Guard design (continued)
- 12:19-12:53 | Common failures
- 12:53-14:00 | Workshop: Guarding review

Course outline

Detailed course outline

Day-by-day outline for Machinery Safety and Guarding.

Day 3 - Safety Devices and Controls

- 09:00-09:39 | Light curtains and sensors
- 09:39-10:18 | Emergency stops
- 10:18-10:57 | Two-hand controls
- 10:57-11:00 | Safety-related control systems
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Safety-related control systems (continued)
- 12:05-12:43 | Performance levels
- 12:43-14:00 | Exercise: Control system review

Day 4 - Maintenance Safety

- 09:00-09:34 | Lockout and tagout
- 09:34-10:08 | Isolation
- 10:08-10:42 | Safe maintenance procedures
- 10:42-11:00 | Contractors
- 11:00-11:30 | Coffee break
- 11:30-11:46 | Contractors (continued)
- 11:46-12:53 | Case study: Maintenance injury
- 12:53-14:00 | Exercise: Lockout procedure

Course outline

Detailed course outline

Day-by-day outline for Machinery Safety and Guarding.

Day 5 - Compliance and Management

- 09:00-09:45 | New and modified machinery
- 09:45-10:30 | Conformity
- 10:30-11:00 | Inspections
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Inspections (continued)
- 11:45-12:30 | Training
- 12:30-13:15 | Improvement
- 13:15-14:00 | Capstone: Machinery safety plan

Seminar dates

Available seminar dates

Live dates and pricing for Machinery Safety and Guarding generated from the course details page.

Date	Location	Format	Fee
2 - 6 November 2026	Barcelona	Classroom	€2,815
21 - 25 December 2026	London	Classroom	€2,315
18 - 22 January 2027	Paris	Classroom	€3,825
15 - 19 February 2027	Frankfurt	Classroom	€1,875
15 - 19 March 2027	Barcelona	Classroom	€2,815
19 - 23 April 2027	Frankfurt	Classroom	€1,875
17 - 21 May 2027	Rome	Classroom	€3,460
21 - 25 June 2027	Kuala lumpur	Classroom	€1,925
19 - 23 July 2027	Barcelona	Classroom	€2,815
16 - 20 August 2027	Geneva	Classroom	€4,315

Seminar dates

Available seminar dates

Live dates and pricing for Machinery Safety and Guarding generated from the course details page.

Date	Location	Format	Fee
20 - 24 September 2027	Paris	Classroom	€3,825
18 - 22 October 2027	Frankfurt	Classroom	€1,875
15 - 19 November 2027	Barcelona	Classroom	€2,815
20 - 24 December 2027	Frankfurt	Classroom	€1,875
2 - 6 November 2026	Online / Live	Online / Live	€1,815
21 - 25 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

Seminar dates

Available seminar dates

Live dates and pricing for Machinery Safety and Guarding generated from the course details page.

Date	Location	Format	Fee
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
18 - 22 October 2027	Online / Live	Online / Live	€1,815
15 - 19 November 2027	Online / Live	Online / Live	€1,815
20 - 24 December 2027	Online / Live	Online / Live	€1,815