



HEALTH SAFETY AND ENVIRONMENT | HSE-020

Safety Culture and Human Factors

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Course content

Why Attend

Even with good procedures and equipment, incidents occur when human factors and culture are neglected. Fatigue, workload, communication failures and organisational pressures influence how people actually work.

This Aractech course explores human performance, error types, situational awareness, fatigue, communication, procedures design, organisational culture and how to assess and improve safety culture. Participants learn practical tools to reduce error-likely situations and build a resilient safety culture.

Course Methodology

- Interactive presentations
- Case studies
- Culture assessment tools
- Group workshops
- Action planning

Course Objectives

- Explain human factors and their role in incidents
- Distinguish types of human error and violations
- Identify error-likely situations and reduce them
- Understand fatigue, workload and situational awareness
- Assess safety culture maturity
- Implement practical culture improvement initiatives

Target Audience

- HSE professionals
- Managers and supervisors

Course content

- Engineers designing work systems
- Operations staff

Course outline

Detailed course outline

Day-by-day outline for Safety Culture and Human Factors.

Day 1 - Human Factors Fundamentals

- 09:00-09:39 | What human factors are
- 09:39-10:18 | Human performance
- 10:18-10:57 | Lessons from major accidents
- 10:57-11:00 | Systems thinking
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Systems thinking (continued)
- 12:05-12:43 | Just culture
- 12:43-14:00 | Case study: Human factors accident

Day 2 - Human Error

- 09:00-09:34 | Error types
- 09:34-10:08 | Violations
- 10:08-10:42 | Error-likely situations
- 10:42-11:00 | Error reduction techniques
- 11:00-11:30 | Coffee break
- 11:30-11:46 | Error reduction techniques (continued)
- 11:46-12:53 | Procedure design
- 12:53-14:00 | Workshop: Error trap analysis

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Day 3 - Individual Factors

- 09:00-09:39 | Fatigue
- 09:39-10:18 | Stress and workload
- 10:18-10:57 | Situational awareness
- 10:57-11:00 | Communication
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Communication (continued)
- 12:05-12:43 | Teamwork
- 12:43-14:00 | Exercise: Fatigue risk review

Day 4 - Safety Culture

- 09:00-09:39 | Culture models
- 09:39-10:18 | Culture assessment
- 10:18-10:57 | Leadership influence
- 10:57-11:00 | Reporting culture
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Reporting culture (continued)
- 12:05-12:43 | Psychological safety
- 12:43-14:00 | Workshop: Culture survey analysis

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Day 5 - Improving Culture

- 09:00-09:45 | Improvement strategies
- 09:45-10:30 | Learning teams
- 10:30-11:00 | Engagement
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Engagement (continued)
- 11:45-12:30 | Measuring progress
- 12:30-13:15 | Sustaining change
- 13:15-14:00 | Capstone: Culture improvement plan

Seminar dates

Available seminar dates

Live dates and pricing for Safety Culture and Human Factors generated from the course details page.

Date	Location	Format	Fee
16 - 20 November 2026	Frankfurt	Classroom	€1,875
7 - 11 December 2026	Barcelona	Classroom	€2,815
11 - 15 January 2027	London	Classroom	€2,315
8 - 12 February 2027	Istanbul	Classroom	€1,978
8 - 12 March 2027	Cape Town	Classroom	€1,625
12 - 16 April 2027	Barcelona	Classroom	€2,815
10 - 14 May 2027	Paris	Classroom	€3,825
14 - 18 June 2027	Frankfurt	Classroom	€1,875
12 - 16 July 2027	Barcelona	Classroom	€2,815
9 - 13 August 2027	London	Classroom	€2,315

Seminar dates

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Live dates and pricing for Safety Culture and Human Factors generated from the course details page.

Date	Location	Format	Fee
13 - 17 September 2027	Istanbul	Classroom	€1,978
11 - 15 October 2027	Vienna	Classroom	€3,225
8 - 12 November 2027	Barcelona	Classroom	€2,815
13 - 17 December 2027	Paris	Classroom	€3,825
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

Seminar dates

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Date	Location	Format	Fee
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
9 - 13 August 2027	Online / Live	Online / Live	€1,815
13 - 17 September 2027	Online / Live	Online / Live	€1,815
11 - 15 October 2027	Online / Live	Online / Live	€1,815
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