



OIL AND GAS | OG-067

Asset Management and Reliability in Oil and Gas

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Course content

Why Attend

Oil and gas companies manage portfolios of high-value, ageing assets in demanding environments. Systematic asset management helps maximise value, control risk and extend asset life.

This Aractech course explains asset management principles and standards, asset strategies, criticality assessment, maintenance optimisation, reliability engineering tools, integrity management, life extension, and performance measurement for oil and gas assets. Participants develop an asset management improvement plan.

Course Methodology

- Framework presentations
- Case studies
- Criticality workshops
- Reliability exercises
- Improvement planning

Course Objectives

- Apply asset management principles to oil and gas assets
- Assess asset criticality and risk
- Develop asset and maintenance strategies
- Use reliability tools to reduce failures
- Plan life extension and investment
- Measure asset performance and value

Target Audience

- Asset managers

Course content

- Reliability and maintenance engineers
- Integrity engineers
- Operations managers

Course outline

Detailed course outline

Day-by-day outline for Asset Management and Reliability in Oil and Gas.

Day 1 - Asset Management Principles

- 09:00-09:39 | Asset management concepts
- 09:39-10:18 | Standards and frameworks
- 10:18-10:57 | Value and risk
- 10:57-11:00 | Organisation and roles
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Organisation and roles (continued)
- 12:05-12:43 | Maturity
- 12:43-14:00 | Exercise: Maturity assessment

Day 2 - Criticality and Strategy

- 09:00-09:39 | Criticality assessment
- 09:39-10:18 | Asset strategies
- 10:18-10:57 | Maintenance strategies
- 10:57-11:00 | Spares strategy
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Spares strategy (continued)
- 12:05-12:43 | Decision-making
- 12:43-14:00 | Workshop: Criticality analysis

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Day 3 - Reliability Engineering

- 09:00-09:39 | Failure modes and patterns
- 09:39-10:18 | RCM concepts
- 10:18-10:57 | Reliability data
- 10:57-11:00 | Bad actors
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Bad actors (continued)
- 12:05-12:43 | Root cause analysis
- 12:43-14:00 | Exercise: Reliability analysis

Day 4 - Integrity and Life Extension

- 09:00-09:39 | Integrity management
- 09:39-10:18 | Ageing assets
- 10:18-10:57 | Life extension
- 10:57-11:00 | Investment planning
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Investment planning (continued)
- 12:05-12:43 | Obsolescence
- 12:43-14:00 | Case study: Life extension decision

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Day 5 - Performance and Improvement

- 09:00-09:45 | KPIs
- 09:45-10:30 | Cost and value
- 10:30-11:00 | Digital tools
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Digital tools (continued)
- 11:45-12:30 | Continuous improvement
- 12:30-13:15 | Culture
- 13:15-14:00 | Capstone: Asset management plan

Seminar dates

Available seminar dates

Live dates and pricing for Asset Management and Reliability in Oil and Gas generated from the course details page.

Date	Location	Format	Fee
16 - 20 November 2026	Istanbul	Classroom	€1,978
7 - 11 December 2026	Vienna	Classroom	€3,225
11 - 15 January 2027	London	Classroom	€2,315
8 - 12 February 2027	Munich	Classroom	€3,225
8 - 12 March 2027	Amsterdam	Classroom	€2,830
12 - 16 April 2027	Istanbul	Classroom	€1,978
10 - 14 May 2027	Rome	Classroom	€3,460
14 - 18 June 2027	Istanbul	Classroom	€1,978
12 - 16 July 2027	Vienna	Classroom	€3,225
9 - 13 August 2027	London	Classroom	€2,315

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11 - 15 October 2027	Amsterdam	Classroom	€2,830
8 - 12 November 2027	Istanbul	Classroom	€1,978
13 - 17 December 2027	Rome	Classroom	€3,460
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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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
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