



OIL AND GAS | OG-045

Flaring, Venting and Emissions Management in Oil and Gas

Contact

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

Address

Waarderweg 50, 2031PB Haarlem - Netherlands.

Course content

Why Attend

Flaring and venting waste valuable resources and contribute significantly to greenhouse gas emissions. Regulators, investors and host governments now expect oil and gas companies to reduce routine flaring and manage emissions transparently.

This Aractech course explains the sources of flaring, venting and fugitive emissions, measurement and reporting methods, flare system design and operation, and practical reduction options such as gas recovery, utilisation and process changes. Participants also examine regulatory and voluntary initiatives and develop emissions reduction plans.

Course Methodology

- Technical presentations
- Emission quantification exercises
- Case studies of reduction projects
- Economic evaluation workshops
- Group planning

Course Objectives

- Identify sources of flaring, venting and fugitive emissions
- Measure, quantify and report emissions
- Understand flare system design and operation
- Evaluate flare gas recovery and utilisation options
- Understand regulations and industry initiatives
- Develop an emissions reduction plan

Course content

Target Audience

- Environmental and sustainability engineers
- Production and facility engineers
- Operations managers
- HSE professionals

Course outline

Detailed course outline

Day-by-day outline for Flaring, Venting and Emissions Management in Oil and Gas.

Day 1 - Emissions in Oil and Gas

- 09:00-09:39 | Greenhouse gases and the industry
- 09:39-10:18 | Sources of flaring and venting
- 10:18-10:57 | Fugitive emissions
- 10:57-11:00 | Regulatory pressure
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Regulatory pressure (continued)
- 12:05-12:43 | Industry commitments
- 12:43-14:00 | Exercise: Emissions source inventory

Day 2 - Measurement and Reporting

- 09:00-09:39 | Measurement technologies
- 09:39-10:18 | Estimation methods
- 10:18-10:57 | Reporting frameworks
- 10:57-11:00 | Data quality
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Data quality (continued)
- 12:05-12:43 | Verification
- 12:43-14:00 | Exercise: Quantifying emissions

Course outline

Detailed course outline

Day-by-day outline for Flaring, Venting and Emissions Management in Oil and Gas.

Day 3 - Flare Systems

- 09:00-10:07 | Flare system design
- 10:07-10:41 | Flare operation and maintenance
- 10:41-11:00 | Combustion efficiency
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Combustion efficiency (continued)
- 11:45-12:19 | Safety considerations
- 12:19-12:53 | Monitoring
- 12:53-14:00 | Case study: Flare performance

Day 4 - Reduction Options

- 09:00-09:39 | Flare gas recovery
- 09:39-10:18 | Gas utilisation options
- 10:18-10:57 | Vapour recovery units
- 10:57-11:00 | Electrification
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Electrification (continued)
- 12:05-12:43 | Economics of reduction
- 12:43-14:00 | Workshop: Evaluating reduction projects

Course outline

Detailed course outline

Day-by-day outline for Flaring, Venting and Emissions Management in Oil and Gas.

Day 5 - Emissions Management Programmes

- 09:00-09:45 | Targets and roadmaps
- 09:45-10:30 | Governance and accountability
- 10:30-11:00 | Stakeholder communication
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Stakeholder communication (continued)
- 11:45-12:30 | Monitoring progress
- 12:30-13:15 | Future trends
- 13:15-14:00 | Capstone: Emissions reduction plan

Seminar dates

Available seminar dates

Live dates and pricing for Flaring, Venting and Emissions Management in Oil and Gas generated from the course details page.

Date	Location	Format	Fee
2 - 6 November 2026	Rome	Classroom	€3,460
21 - 25 December 2026	Istanbul	Classroom	€1,978
18 - 22 January 2027	Kuala lumpur	Classroom	€1,925
15 - 19 February 2027	Barcelona	Classroom	€2,815
15 - 19 March 2027	Geneva	Classroom	€4,315
19 - 23 April 2027	Munich	Classroom	€3,225
17 - 21 May 2027	Amsterdam	Classroom	€2,830
21 - 25 June 2027	Istanbul	Classroom	€1,978
19 - 23 July 2027	Rome	Classroom	€3,460
16 - 20 August 2027	Istanbul	Classroom	€1,978

Seminar dates

Available seminar dates

Live dates and pricing for Flaring, Venting and Emissions Management in Oil and Gas generated from the course details page.

Date	Location	Format	Fee
20 - 24 September 2027	Kuala Lumpur	Classroom	€1,925
18 - 22 October 2027	Barcelona	Classroom	€2,815
15 - 19 November 2027	Geneva	Classroom	€4,315
20 - 24 December 2027	Munich	Classroom	€3,225
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 Flaring, Venting and Emissions Management in Oil and Gas 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