



OIL AND GAS | OG-037

# Well Integrity Management

## Contact

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## Address

Waarderweg 50, 2031PB Haarlem - Netherlands.

# Course content

## Why Attend

Well integrity is the application of technical, operational and organisational solutions to reduce the risk of uncontrolled release of fluids throughout the life of a well. Loss of well integrity can lead to blowouts, environmental contamination and major financial losses.

This Aractech course covers well barrier philosophy, well design for integrity, barrier verification and testing, annulus pressure management, integrity during production, intervention and abandonment, and the management systems that support well integrity. Participants learn how to assess well integrity status, manage anomalies and maintain compliance with industry standards.

## Course Methodology

- Technical lectures with industry standards
- Barrier schematic exercises
- Case studies of well integrity incidents
- Anomaly management workshops
- Group discussions

## Course Objectives

- Explain well barrier principles and envelopes
- Understand well design factors affecting integrity
- Verify and test well barriers
- Manage annulus pressure and integrity anomalies
- Maintain integrity during operations, intervention and abandonment
- Build a well integrity management system

# Course content

## Target Audience

- Well integrity engineers
- Drilling and completion engineers
- Production and petroleum engineers
- Well intervention supervisors

# Course outline

## Detailed course outline

Day-by-day outline for Well Integrity Management.

### Day 1 - Well Integrity Principles

- 09:00-09:39 | Definition and importance of well integrity
- 09:39-10:18 | Primary and secondary barriers
- 10:18-10:57 | Well barrier schematics
- 10:57-11:00 | Industry standards and guidelines
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Industry standards and guidelines (continued)
- 12:05-12:43 | Well life cycle phases
- 12:43-14:00 | Exercise: Drawing barrier envelopes

### Day 2 - Design for Integrity

- 09:00-09:54 | Casing and cementing design
- 09:54-10:48 | Completion design
- 10:48-11:00 | Material selection and corrosion
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Material selection and corrosion (continued)
- 11:45-12:12 | Wellhead and tree integrity
- 12:12-13:06 | Design reviews
- 13:06-14:00 | Case study: Design-related integrity failure

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Day-by-day outline for Well Integrity Management.

### Day 3 - Verification and Monitoring

- 09:00-09:39 | Barrier testing and verification
- 09:39-10:18 | Annulus pressure monitoring
- 10:18-10:57 | Sustained casing pressure
- 10:57-11:00 | Integrity surveillance tools
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Integrity surveillance tools (continued)
- 12:05-12:43 | Data management
- 12:43-14:00 | Exercise: Interpreting annulus pressure data

### Day 4 - Operations, Intervention and Abandonment

- 09:00-09:39 | Integrity during production and injection
- 09:39-10:18 | Well intervention risks
- 10:18-10:57 | Suspended and shut-in wells
- 10:57-11:00 | Plug and abandonment principles
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Plug and abandonment principles (continued)
- 12:05-12:43 | Regulatory requirements
- 12:43-14:00 | Workshop: Planning a well abandonment

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### Day 5 - Well Integrity Management Systems

- 09:00-09:45 | Organisation and responsibilities
- 09:45-10:30 | Risk assessment and categorisation
- 10:30-11:00 | Anomaly management
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Anomaly management (continued)
- 11:45-12:30 | KPIs and audits
- 12:30-13:15 | Continuous improvement
- 13:15-14:00 | Capstone: Well integrity management plan

# Seminar dates

## Available seminar dates

Live dates and pricing for Well Integrity Management generated from the course details page.

| Date                 | Location     | Format    | Fee    |
|----------------------|--------------|-----------|--------|
| 2 - 6 November 2026  | Barcelona    | Classroom | €2,815 |
| 7 - 11 December 2026 | Dubai        | Classroom | €1,845 |
| 4 - 8 January 2027   | Cape Town    | Classroom | €1,625 |
| 1 - 5 February 2027  | Amsterdam    | Classroom | €2,830 |
| 1 - 5 March 2027     | London       | Classroom | €2,315 |
| 5 - 9 April 2027     | Istanbul     | Classroom | €1,978 |
| 3 - 7 May 2027       | Munich       | Classroom | €3,225 |
| 7 - 11 June 2027     | Paris        | Classroom | €3,825 |
| 5 - 9 July 2027      | Frankfurt    | Classroom | €1,875 |
| 2 - 6 August 2027    | Kuala Lumpur | Classroom | €1,925 |

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## Available seminar dates

Live dates and pricing for Well Integrity Management generated from the course details page.

| Date                  | Location      | Format        | Fee    |
|-----------------------|---------------|---------------|--------|
| 6 - 10 September 2027 | Rome          | Classroom     | €3,460 |
| 4 - 8 October 2027    | Vienna        | Classroom     | €3,225 |
| 1 - 5 November 2027   | Geneva        | Classroom     | €4,315 |
| 6 - 10 December 2027  | Madrid        | Classroom     | €3,400 |
| 2 - 6 November 2026   | Online / Live | Online / Live | €1,815 |
| 7 - 11 December 2026  | Online / Live | Online / Live | €1,815 |
| 4 - 8 January 2027    | Online / Live | Online / Live | €1,815 |
| 1 - 5 February 2027   | Online / Live | Online / Live | €1,815 |
| 1 - 5 March 2027      | Online / Live | Online / Live | €1,815 |
| 5 - 9 April 2027      | Online / Live | Online / Live | €1,815 |

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## Available seminar dates

Live dates and pricing for Well Integrity Management generated from the course details page.

| Date                  | Location      | Format        | Fee    |
|-----------------------|---------------|---------------|--------|
| 3 - 7 May 2027        | Online / Live | Online / Live | €1,815 |
| 7 - 11 June 2027      | Online / Live | Online / Live | €1,815 |
| 5 - 9 July 2027       | Online / Live | Online / Live | €1,815 |
| 2 - 6 August 2027     | Online / Live | Online / Live | €1,815 |
| 6 - 10 September 2027 | Online / Live | Online / Live | €1,815 |
| 4 - 8 October 2027    | Online / Live | Online / Live | €1,815 |
| 1 - 5 November 2027   | Online / Live | Online / Live | €1,815 |
| 6 - 10 December 2027  | Online / Live | Online / Live | €1,815 |