informatech

OIL AND GAS | OG-016

# Wireline Operations and Techniques


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# Course content

## Why Attend

Why Attend Wireline operations are essential to safe and efficient well intervention, completion, production optimization, and maintenance activities. This course provides participants with practical knowledge of wireline equipment, pressure control systems, downhole tools, gas lift operations, and fishing techniques while emphasizing operational safety, well integrity, and industry best practices.

Course Methodology The course combines technical presentations, practical demonstrations, equipment familiarization, case studies, group discussions, field operation simulations, and hands-on workshops to develop operational competence and safe working practices.

Course Objectives By the end of this course, participants will be able to:

- Understand the fundamentals of wireline operations and well completion systems
- Identify and operate key wireline tools and pressure control equipment
- Assemble and deploy wireline toolstrings safely and efficiently
- Perform gas lift valve and flow-control operations
- Apply wireline fishing techniques and retrieval methods
- Strengthen operational safety and well integrity practices
- Improve troubleshooting and decision-making during wireline interventions

## Target Audience

- Wireline operators and supervisors
- Well intervention engineers
- Production engineers
- Completion engineers
- Petroleum engineers
- Field service personnel
- Oil and gas professionals involved in well operations

# Course content

## Target Competencies

- Wireline operations
- Well intervention techniques
- Pressure control operations
- Gas lift systems
- Fishing operations
- Well integrity management
- Operational safety
- Equipment troubleshooting

## Course outline

### Day 1: Fundamentals of Wireline Operations and Well Completion

- Understanding the evolution and applications of wireline operations in oil and gas production
- Reviewing well completion systems and downhole equipment configurations
- Identifying wireline units, power systems, and operational support equipment
- Understanding depth measurement systems and wireline instrumentation
- Reviewing wireline cable types, specifications, inspection, and maintenance practices
- Understanding well integrity principles and safe operating limits
- Exploring routine wireline intervention activities and operational planning
- Applying safety principles and hazard awareness during wireline operations

### Day 2: Wireline Tools and Pressure Control Systems

- Understanding the purpose and operation of pressure control equipment
- Reviewing lubricators, stuffing boxes, grease injection systems, and associated equipment
- Understanding toolstring components and mechanical jar operations

# Course content

## Course outline

- Identifying common wireline service and remedial tools
- Applying running and pulling techniques for downhole equipment
- Understanding flow-control devices, landing systems, and completion accessories
- Reviewing commonly used lock systems and flow-control equipment
- Understanding gas lift principles and surface-controlled subsurface safety valve operations

### Day 3: Toolstring Assembly and Operational Procedures

- Performing wire inspection and testing procedures
- Rigging up and operating pressure control equipment safely
- Assembling wireline toolstrings using appropriate components
- Operating pulling and retrieval tools for downhole interventions
- Applying shifting tools during production equipment operations
- Understanding sliding sleeve and completion equipment operations
- Operating kickover tools for gas lift valve interventions
- Troubleshooting operational challenges while maintaining safe work practices

### Day 4: Gas Lift Systems and Downhole Equipment Operations

- Understanding gas lift systems and mandrel configurations
- Identifying common lock types and their operational applications
- Setting, retrieving, and equalizing flow-control devices safely
- Preparing equipment for open-hole and cased-hole wireline operations
- Performing wireline deployment and retrieval procedures for production equipment
- Applying best practices for gas lift valve inspection, servicing, and storage
- Identifying operational challenges associated with locks, nipples, and gas lift systems

# Course content

## Course outline

### Day 5: Wireline Fishing and Electric Line Operations

- Understanding the principles and objectives of wireline fishing operations
- Planning fishing jobs using operational calculations and risk assessments
- Identifying common fishing scenarios and selecting appropriate retrieval methods
- Understanding gas lift mandrel replacement procedures and operational considerations
- Reviewing electric line equipment and operational applications
- Applying operational best practices to improve efficiency, safety, and reliability
- Final workshop: Practical wireline intervention scenarios, lessons learned, and course review

# Seminar dates

## Available seminar dates

Live dates and pricing for Wireline Operations and Techniques generated from the course details page.

| Date | Location | Format | Fee |
|---|---|---|---|
| 11 - 15 January 2027 | Amsterdam - Netherlands | Classroom | **€3,040.-** |
| 8 - 12 February 2027 | London - U.K | Classroom | **€3,360.-** |
| 8 - 12 March 2027 | Istanbul - Turkey | Classroom | **€2,240.-** |
| 12 - 16 April 2027 | Cape Town - South Africa | Classroom | **€3,600.-** |
| 10 - 14 May 2027 | Barcelona - Spain | Classroom | **€2,560.-** |
| 14 - 18 June 2027 | Paris - France | Classroom | **€3,600.-** |
| 12 - 16 July 2027 | Frankfurt - Germany | Classroom | **€2,720.-** |
| 9 - 13 August 2027 | Barcelona - Spain | Classroom | **€2,560.-** |
| 13 - 17 September 2027 | Amsterdam - Netherlands | Classroom | **€3,360.-** |
| 11 - 15 October 2027 | London - U.K | Classroom | **€3,360.-** |
| 8 - 12 November 2027 | Istanbul - Turkey | Classroom | **€2,800.-** |
| 13 - 17 December 2027 | Vienna - Austria | Classroom | **€3,920.-** |

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| **Live online option** | Online delivery is available at €1,850.-. |