informatech



OIL AND GAS | OG-016

Wireline Operations and Techniques

UK
+44 33 000 111 90
info@informatech.co.uk
https://informatech.co.uk
63-66 Hatton Garden Hatton Garden
EC1N 8LE , London

NL
+31 85 74 444 46
info@infomatech.nl
https://infomatech.nl
Waarderweg 50 - 2031PB
Haarlem - Netherlands



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.-**

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