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OIL AND GAS | OG-017

Essential Skills for Oil and Gas Professionals

UK
+44 33 000 111 90
info@informatech.co.uk
https://informatech.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 The oil and gas industry operates in a dynamic environment shaped by market volatility, technological advancements, regulatory changes, and evolving energy demands. This course provides participants with a comprehensive understanding of the industry's value chain, commercial drivers, project economics, risk management, and strategic decision-making, enabling them to contribute more effectively to upstream, midstream, and downstream operations.

Course Methodology The course combines instructor-led presentations, industry case studies, practical exercises, group discussions, project evaluation workshops, financial analysis activities, and real-world examples from the global oil and gas sector.

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

- Understand the structure and commercial drivers of the oil and gas industry
- Explain upstream, midstream, and downstream operations and business models
- Evaluate oil and gas projects using financial and economic analysis techniques
- Understand contracting strategies and project development processes
- Apply project risk management principles within oil and gas projects
- Analyze project performance using industry-standard financial indicators
- Assess current industry trends and geopolitical influences on energy markets

Target Audience

- Petroleum engineers
- Production and operations engineers
- Project engineers and project managers
- Finance and commercial professionals in oil and gas
- Procurement and contracts professionals
- Business development professionals

Course content

Target Audience

• Professionals new to the oil and gas industry

Target Competencies

• Oil and gas industry knowledge

• Project economics

• Commercial awareness

• Risk management

• Project planning and control

• Financial analysis

• Strategic thinking

• Decision-making

Course outline

Day 1: The Oil and Gas Industry and Commercial Environment

• Understanding the structure and value chain of the global oil and gas industry

• Exploring upstream, midstream, and downstream operations and their interrelationships

• Reviewing exploration, field evaluation, production processes, and reserve estimation concepts

• Understanding industry business models, production economics, and operating cost structures

• Examining the commercial drivers that influence investment and operational decisions

• Identifying strategic opportunities and challenges affecting the global energy sector

Day 2: Project Development and Commercial Arrangements

• Understanding contractual and fiscal arrangements used within the oil and gas industry

• Reviewing the roles of international and national oil companies in project development

Course content

Course outline

- Exploring commercial models, investment structures, and risk-sharing mechanisms
- Understanding front-end project planning and development processes
- Identifying common project delivery challenges and mitigation approaches
- Developing effective project governance and project control frameworks

Day 3: Project Economics and Financial Evaluation

- Evaluating investment opportunities using project economic principles
- Understanding cash flow analysis and the time value of money
- Applying financial performance indicators to support investment decisions
- Developing discounted cash flow models for project evaluation
- Understanding cost estimation methodologies and key cost drivers
- Applying earned value management techniques to monitor project performance and progress

Day 4: Risk Management in Oil and Gas Projects

- Understanding the principles and objectives of project risk management
- Applying risk management processes throughout project lifecycles
- Identifying project objectives, uncertainties, and potential threats
- Assessing technical, commercial, operational, and environmental risks
- Developing and maintaining project risk registers and response strategies
- Identifying and engaging key stakeholders to support successful project delivery

Day 5: Industry Trends, Strategic Challenges, and Capstone Case Study

- Examining the impact of unconventional energy developments on global markets
- Analyzing the influence of technological innovation on the oil and gas industry
- Understanding geopolitical factors affecting energy supply, demand, and pricing

Course content

Course outline

• Evaluating strategic challenges facing energy companies in changing market conditions

• Participating in an integrated case study applying project economics, commercial analysis, and risk management principles

• Course review, lessons learned, and action planning for professional development

Seminar dates

Available seminar dates

Live dates and pricing for Essential Skills for Oil and Gas Professionals generated from the course details page.

Date	Location	Format	Fee
4 - 8 January 2027	Amsterdam - Netherlands	Classroom	**€3,040.-**
1 - 5 February 2027	London - U.K	Classroom	**€3,360.-**
1 - 5 March 2027	Istanbul - Turkey	Classroom	**€2,240.-**
5 - 9 April 2027	Vienna - Austria	Classroom	**€3,600.-**
3 - 7 May 2027	Barcelona - Spain	Classroom	**€2,560.-**
7 - 11 June 2027	Paris - France	Classroom	**€3,600.-**
5 - 9 July 2027	Frankfurt - Germany	Classroom	**€2,720.-**
2 - 6 August 2027	Barcelona - Spain	Classroom	**€2,560.-**
6 - 10 September 2027	Amsterdam - Netherlands	Classroom	**€3,360.-**
4 - 8 October 2027	London - U.K	Classroom	**€3,360.-**
1 - 5 November 2027	Istanbul - Turkey	Classroom	**€2,800.-**
6 - 10 December 2027	Vienna - Austria	Classroom	**€3,920.-**

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