

Water, Oil, and Gas Sampling and Analysis

Barcelona (Spain)

2 - 6 February 2026

UK Training

PARTNER



Water, Oil, and Gas Sampling and Analysis

Code: OG28 From: 2 - 6 February 2026 City: Barcelona (Spain) Fees: 5100 Pound

Introduction

This course provides participants with a solid foundation in the techniques and best practices for sampling and analyzing water, oil, and gas. It covers the composition and properties of these substances, along with proper sampling methods, safety precautions, and environmental compliance. By the end of the course, participants will be equipped to ensure accurate, reliable analysis results using advanced water analysis tools such as comprehensive water analysis equipment, as well as appropriate systems for oil sampling and gas sampling.

Course Objectives

By the end of this training, participants will be able to:

- Understand the composition and properties of water, oil, and gas in detail.
- Learn the correct sampling methods and systems for water, oil, and gas, including gas sampling pumps and oil sampling equipment.
- Identify the optimal sampling locations and understand the potential hazards and safety precautions associated with each sample.
- Ensure sample quality and integrity throughout the sampling process, while adhering to safety and environmental standards.
- Gain hands-on experience in analysis, monitoring, and assessment techniques, including natural gas sampling and soil gas sampling methods.

Course Outlines

Day 1: Fundamentals of Composition and Sampling

- Overview of the composition and properties of water, oil, and gas.
- The importance of accurate sampling in the analysis process.
- Introduction to various sampling systems and methods, including gas sampling systems and oil sampling supplies.
- Identifying optimal sampling locations and assessing potential hazards.
- Understanding safety and environmental compliance requirements.

Day 2: Water Sampling Techniques

- Methods and systems for water sampling, including comprehensive water analysis tools.
- Selecting sampling locations and identifying potential hazards.
- Ensuring sample quality and integrity throughout the process.
- Key safety considerations in water sampling.
- Addressing environmental concerns and compliance protocols.



Day 3: Oil Sampling Techniques

- Overview of oil sampling equipment and methods, including oil sampling apparatus and oil sampling supplies.
- Manual sampling techniques and special precautions.
- General procedures and types of oil sampling.
- Best practices for accurate sample collection and transport.
- Practical exercises focusing on oil sampling methods, including crude oil sampling.

Day 4: Gas Sampling Techniques

- Introduction to gas sampling systems and methods.
- Selecting sampling locations and identifying associated hazards.
- Maintaining gas sample quality and integrity throughout the process.
- Criteria for gas analysis, monitoring, and assessment.
- Troubleshooting common challenges in gas sampling, including passive soil gas sampling and natural gas sampling.

Day 5: Integration and Practical Application

- Comparative analysis of sampling methods for water, oil, and gas.
- Hands-on exercises on sampling, analysis, and reporting.
- Monitoring, assessment, and effective reporting techniques.
- Real-world case studies on sampling and compliance practices.
- Course wrap-up, Q&A, and participant feedback.

Why Attend This Course? Wins & Losses!

- Enhance technical skills: Learn advanced sampling techniques and use specialized tools such as gas sampling pumps and oil sampling equipment.
- Improve analysis accuracy: Understand how to perform comprehensive water analysis and oil analysis to ensure precise, reliable results.
- Follow best practices: Learn the correct procedures for oil and gas sampling, as well as water sampling techniques, with strict adherence to environmental and safety standards.
- Boost career prospects: This course opens up significant opportunities in the fields of water, oil, and gas analysis, with participants gaining proficiency in the use of modern equipment like oil sampling supplies and gas sampling systems.

Conclusion

Attending this course will equip participants with the knowledge and tools needed to excel in sampling and analyzing water, oil, and gas. By gaining practical experience in oil sampling, natural gas sampling, and comprehensive water analysis, participants will be ready to apply their skills in real-world environments. Invest in learning the latest sampling and analysis techniques to ensure safe, accurate, and environmentally compliant results.



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)
(Switzerland)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

ASIA



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
Korea



Phuket (Thailand)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Seoul (South)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut



Blackbird Training Cities

AFRICA



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



المؤسسة العامة للتأمينات الاجتماعية
General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



هيئة تنظيم الكهرباء - عمان
AUTHORITY FOR ELECTRICITY REGULATION, OMAN
Authority for

UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

