

Crude Oil Pipeline Operations

Barcelona (Spain)

15 - 19 September 2025

UK Traininig

PARTNER



Crude Oil Pipeline Operations

Code: OG28 From: 15 - 19 September 2025 City: Barcelona (Spain) Fees: 5100 Pound

Introduction

This course is meticulously designed to provide participants with a comprehensive understanding of crude oil pipeline operations, focusing on technical knowledge, operational expertise, and safety measures. The program delves deep into the critical aspects of crude oil pipelines, including pipeline design, commissioning, startup, shutdown procedures, and emergency response. Whether you're a professional working with oil pipeline companies, managing oil pipeline projects, or involved in oil pipeline services, this course will equip you with the skills to optimize pipeline operations and ensure safe, efficient management. It will also cover crucial factors such as crude oil pipeline pressure, insulation, and protection strategies, giving you a holistic view of crude oil pipeline systems.

Course Objectives

By completing this course, participants will:

- Develop a solid understanding of the fundamentals of crude oil pipeline operations and the key processes involved in their management.
- Gain insight into the design and function of critical pipeline facilities and equipment, including pump stations and filtration systems.
- Learn how to effectively commission, purge, and execute startup and shutdown procedures for crude oil pipelines.
- Understand the impact of fluid properties, including crude oil behavior and wax formation, on pipeline operations.
- Acquire the skills needed to respond effectively to emergencies, including spill management, containment strategies, and regulatory compliance.
- Master best practices in oil pipeline management, ensuring smooth and safe pipeline operations.

Course Outlines

Day 1: Fundamentals of Pipeline Operations

- Overview of crude oil pipelines and their operational workflows
- Introduction to crude oil pipeline commissioning and purging/filling procedures
- Crude oil pipeline startup and shutdown processes
- Understanding pigging operations and pig receiver functionality
- Measurement and sampling techniques in pipeline operations
- Identifying oil pipeline problems and strategies to address them

Day 2: Pipeline Facilities and Equipment



- Overview of critical pipeline facilities such as pump stations, filtration systems, and oil pipeline insulation
- Metering, sampling, and testing equipment used in oil pipeline operations
- Types of pigging equipment and operational considerations
- Role of tank terminals and truck/rail loading facilities in crude oil pipeline operations
- Design considerations for oil pipeline pump stations and the impact on operational efficiency

Day 3: Fluid Properties and Behavior

- Operational implications of crude oil properties on pipeline efficiency
- Understanding wax behavior in crude oil and strategies for mitigation
- Temperature management in crude oil pipeline systems
- The use of drag-reducing agents DRA to optimize pipeline performance
- Case studies on managing fluid behavior challenges in crude oil pipelines

Day 4: Emergency Response and Safety

- Identifying and managing risks associated with crude oil pipeline operations
- Emergency response strategies for handling pipeline spills
- Containment measures to prevent crude oil loss and environmental damage
- Specialized equipment for oil pipeline protection and spill management
- Regulatory compliance and industry best practices for maintaining oil pipeline safety

Day 5: Integrated Operations and Practical Applications

- Simulation exercises for commissioning and purging/filling operations
- Hands-on practice with pigging and measurement techniques in crude oil pipeline management
- Testing and sampling procedures to ensure pipeline integrity
- Emergency response scenario drills to prepare for real-life pipeline incidents
- Course wrap-up, Q&A session, and participant feedback

Why Attend This Course: Wins & Losses!

- **Master Crude Oil Pipeline Operations:** Gain a thorough understanding of oil pipeline operations, from commissioning to shutdown. This knowledge is crucial for anyone working in crude oil pipeline companies or managing oil pipeline projects.
- **Optimize Pipeline Management:** Learn best practices in oil pipeline management, ensuring you can effectively monitor and maintain your oil pipeline infrastructure, avoid oil pipeline problems, and minimize risks.
- **Understand Fluid Dynamics and Oil Pipeline Pressure:** Get to grips with the impact of crude oil properties, wax behavior, and temperature management on pipeline pressure and efficiency.
- **Boost Safety Standards:** By mastering the safety protocols and emergency response strategies for oil pipeline operations, you'll be prepared to handle spills and ensure the protection of personnel, equipment, and the environment.
- **Enhance Your Practical Skills:** Through hands-on exercises and simulation drills, you'll apply your theoretical knowledge in real-world scenarios, preparing you for any challenges that may arise in the field of crude oil pipeline operations.

Conclusion



This course offers invaluable insights into the world of crude oil pipelines, covering everything from the design and operation of pipeline systems to the essential safety and emergency response measures. With a solid foundation in crude oil pipeline operations, you'll be equipped to handle the complexities of pipeline management, overcome operational challenges, and respond effectively to emergencies. Whether you're working with crude oil pipeline companies, involved in pipeline protection and insulation, or managing oil pipeline pressure and flow, this course will significantly enhance your expertise and confidence in this vital industry.

By attending this course, you will gain the knowledge and practical skills needed to ensure the safe, efficient, and optimal operation of crude oil pipelines.



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)



Salzburg (Austria)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



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,
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



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.



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

