

Reciprocating & Screw Compressors Operation Mastery Course

Oil & Gas Engineering
Istanbul (Turkey)
26 - 30 Apr 2026

UK Traininig

PARTNER



Reciprocating & Screw Compressors Operation Mastery Course

Ref: 321556_135902 **Date:** 26 - 30 Apr 2026 **Location:** Istanbul (Turkey) **Fees:** 3900 **Euro**

Course Description

This intensive 5-day course provides a comprehensive understanding of reciprocating and screw compressors used in industrial applications. Participants will learn the working principles, operation, maintenance, and optimization techniques for both compressor types. The course combines theoretical knowledge with practical hands-on exercises to ensure a well-rounded learning experience.

Learning Objectives

- Understand the working principles of reciprocating and screw compressors
- Master operation and maintenance procedures for both compressor types
- Learn to optimize compressor efficiency and performance
- Develop troubleshooting skills for common compressor issues
- Gain practical experience through hands-on exercises and simulations

Course Modules

Day 1: Introduction to Compressor Technology

- Overview of compression technologies
- Reciprocating compressor basics
- Screw compressor fundamentals
- Comparison of reciprocating and screw compressors

Day 2: Reciprocating Compressor Deep Dive

- Working principle and components
- Operation and control systems
- Maintenance procedures
- Performance optimization techniques

Day 3: Screw Compressor In-depth Study

- Screw compressor design and operation
- Lubrication and cooling systems
- Maintenance best practices
- Efficiency improvement strategies

UK Training

PARTNER



Day 4: Advanced Topics and Troubleshooting

- Energy efficiency in compressor systems
- Common faults and diagnostics
- Troubleshooting techniques
- Case studies and problem-solving exercises

Day 5: Practical Applications and Future Trends

- Industry-specific applications
- Compressor selection criteria
- Emerging technologies and trends
- Hands-on exercises and simulations

Practical Wins for Participants

- Ability to optimize compressor performance, leading to energy savings
- Enhanced troubleshooting skills, reducing downtime in industrial operations
- Improved maintenance practices, extending equipment lifespan
- Confidence in selecting and operating the right compressor for specific applications

Blackbird training cities



Amman (Jordan)



Amsterdam (Netherlands)

Accra (Ghana)

Annecy (France)

Baku (Azerbaijan)

Bali (Indonesia)

Bangkok (Thailand)

Bangkok (Thailand)

Barcelona (Spain)

Batumi (Georgia)

Beijing (China)

Beirut (Lebanon)

Berlin (Germany)

Birmingham (UK)

Bordeaux (France)

Boston, Massachusetts (USA)

Brussels (Belgium)

Cairo (Egypt)

Cape Town (South Africa)

Casablanca (Morocco)

Cascais (Portugal)

Copenhagen (Denmark)

Doha (Qatar)

Dubai (UAE)

Düsseldorf (Germany)

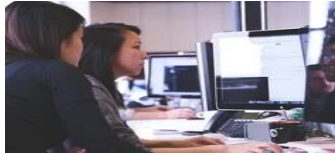
UK Training
PARTNER



Blackbird Training Category



Human Resource



Audit & Quality Assurance



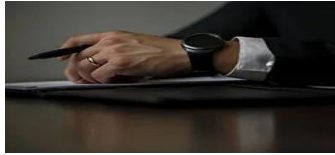
Finance, Accounting, Budgeting



Marketing, Sales, Customer Service



Secretary & Admin



Law and Contract Management



Project Management



IT & IT Engineering



Supply Chain & Logistics



Management & Leadership



Professional Skills



Oil & Gas Engineering



Health & Safety



Telecom Engineering



Hospital Management



Customs & Safety



Aviation



C-Suite Training



Agile and Refinement



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



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



LONDON TRAINING PROVIDER



www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335