

Natural Gas Compressors and Turbines (Siemens Equipment)

*Barcelona (Spain)*

*11 - 15 August 2025*

UK Training

**PARTNER**



# Natural Gas Compressors and Turbines (Siemens Equipment)

Code: OG28 From: 11 - 15 August 2025 City: Barcelona (Spain) Fees: 5100 Pound

## Introduction

This course is designed to equip participants with comprehensive knowledge of Siemens natural gas compressors and turbines. It covers their operation, troubleshooting, startup, and shutdown procedures, while also providing the essential skills needed to boost operational efficiency and build operator confidence.

## Course Objectives

By the end of this training, participants will:

- Acquire effective troubleshooting skills for Siemens equipment.
- Master the proper procedures for startup and shutdown.
- Strengthen their understanding of core engineering concepts and control systems.
- Gain a clear insight into the fundamental operations of compressors and turbines.
- Build confidence and improve operational skills for greater efficiency.

## Course Outlines

### Day 1: Introduction to Compressors and Turbines

- Overview of Siemens natural gas compressors and turbines
- Breakdown of key components and their functions
- Basic operational principles of compressors and turbines
- Understanding system configurations and workflows
- Safety protocols for compressor and turbine operations

### Day 2: Troubleshooting and Maintenance

- Common issues encountered in compressors and turbines
- Troubleshooting techniques and best practices
- Hands-on exercises in fault diagnosis
- Maintenance strategies for Siemens equipment
- Case studies on operational challenges and their solutions

### Day 3: Startup and Shutdown Procedures

- Safe and efficient startup processes for compressors and turbines
- Shutdown protocols to maximize equipment life
- Pre-startup checks and post-shutdown procedures

- Minimizing risks during transitions
- Interactive exercises on startup and shutdown scenarios

#### Day 4: Core Unit Operations

- Understanding the unit operations in natural gas compression
- Key principles of heat exchangers, separators, and pumps
- The role of control systems in compressor and turbine performance
- Techniques for optimizing operations
- Practical application of unit operations in real-world scenarios

#### Day 5: Skill Development and Confidence Building

- Enhancing decision-making and problem-solving skills
- Developing proficiency in both console and field operations
- Team activities to improve communication and coordination
- Simulations for applying skills in practical contexts
- Course wrap-up, Q&A session, and evaluation





# 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)  
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



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)

## Africa



Baku (Azerbaijan)  
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)





## Blackbird Training Cities

### Asia



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



UK Training  
**PARTNER**



## Blackbird Training Categories

### Management & Admin

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

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



**BLACKBIRD**  
FOR TRAINING

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

 +44 7401 1773 35  
+44 7480 775526

 [Sales@blackbird-training.com](mailto:Sales@blackbird-training.com)

 [www.blackbird-training.com](http://www.blackbird-training.com)

