

Process Plant Start-Up, Commissioning & Troubleshooting

Oil & Gas Engineering
Brussels (Belgium)
15 - 19 Sep 2025

UK Training

PARTNER

A close-up photograph of chess pieces on a checkered board. In the foreground, a large, ornate gold king piece stands prominently. To its left, a smaller silver pawn is visible. Further back, another silver pawn is positioned. The background features concentric circles, creating a sense of depth and focus on the king piece.

Process Plant Start-Up, Commissioning & Troubleshooting

Ref: 3277_137873 **Date:** 15 - 19 Sep 2025 **Location:** Brussels (Belgium) **Fees:** 4400 **Euro**

Course Description

This comprehensive 5-day course covers essential aspects of process plant start-up, commissioning, and troubleshooting. Participants will learn strategies for efficient plant operations, from initial start-up to ongoing maintenance. The course combines theoretical knowledge with practical applications to enhance problem-solving skills and operational efficiency.

Learning Objectives

- Understand the critical stages of process plant start-up and commissioning
- Develop effective troubleshooting techniques for common plant issues
- Learn to optimize plant performance through systematic problem-solving
- Gain insights into risk management and safety procedures during start-up and operations
- Master the use of advanced tools and technologies for plant monitoring and control

Course Modules

Day 1: Introduction to Process Plant Operations

- Overview of process plant systems and components
- Pre-commissioning activities and checklists
- Safety considerations in plant start-up
- Introduction to commissioning documentation

Day 2: Start-Up Procedures and Best Practices

- Step-by-step plant start-up methodology
- Critical parameters monitoring during start-up
- Common start-up challenges and solutions
- Case studies of successful plant start-ups

Day 3: Commissioning Techniques and Strategies

- Mechanical completion and integrity checking
- Instrumentation and control system commissioning
- Process system commissioning
- Performance testing and acceptance criteria

Day 4: Troubleshooting Methodologies

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

UK Training
PARTNER

- Systematic approach to problem identification
- Root cause analysis techniques
- Advanced diagnostic tools and their applications
- Developing effective troubleshooting procedures

Day 5: Optimization and Continuous Improvement

- Key performance indicators for process plants
- Strategies for minimizing downtime and maximizing efficiency
- Implementing preventive maintenance programs
- Future trends in plant operations and automation

Practical Wins for Participants

- Ability to lead and manage plant start-up and commissioning projects effectively
- Enhanced troubleshooting skills to quickly identify and resolve operational issues
- Improved understanding of plant optimization techniques for increased productivity
- Development of a comprehensive toolkit for ongoing plant maintenance and improvement

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



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.



Authority for

UK Training
PARTNER



LONDON TRAINING PROVIDER



www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335