

Maintenance and Operation Planning

Manchester (UK)

5 - 16 January 2026

UK Training

PARTNER



Maintenance and Operation Planning

Code: SC28 From: 5 - 16 January 2026 City: Manchester (UK) Fees: 7400 Pound

Introduction

In today's fast-paced industrial world, an efficient operations and maintenance plan is essential for the smooth functioning of equipment and facilities. This Advanced Course in Maintenance and Operation Planning is designed to provide participants with the knowledge and hands-on skills necessary to develop a robust facility operation and maintenance plan. Participants will dive deep into the latest trends in operation and maintenance management, focusing on maintenance repair and operations MRO, preventive maintenance strategies, and modern technologies that help maximize equipment reliability, reduce downtime, and optimize resources. With a combination of theoretical learning, practical exercises, and real-life case studies, this course prepares you to effectively manage operation and maintenance activities and achieve long-term operational success.

Course Objectives

- Understand the importance of maintenance and operation planning: Learn the role of maintenance and operations in enhancing equipment reliability and availability.
- Explore trends and best practices: Gain insights into the most effective operations and maintenance solutions, including preventive and predictive maintenance.
- Master maintenance scheduling and resource allocation: Develop strategies for maintenance repair and operating supplies and optimize scheduling to improve efficiency.
- Learn failure analysis techniques: Understand how to conduct root cause analysis RCA and failure modes and effects analysis FMEA to address equipment issues proactively.
- Implement predictive maintenance technologies: Learn advanced techniques such as vibration analysis and thermography to monitor and predict potential equipment failures.
- Use performance metrics: Track key performance indicators KPIs to assess the effectiveness of your maintenance and operation efforts and improve them over time.
- Understand budgeting and cost control: Develop skills in maintenance budgeting and managing operations and maintenance funds efficiently.
- Leverage CMMS and EAM software: Learn to implement Computerized Maintenance Management Systems CMMS and Enterprise Asset Management EAM tools in real-world settings to streamline your operation and maintenance contract.
- Enhance team management skills: Gain insights into the maintenance and operations definition, organizational structures, and team management strategies to ensure smooth operation within your team.

Course Outlines

Day 1: Introduction to Maintenance and Operation Planning

- The critical role of maintenance and operation planning for equipment reliability and operational efficiency.
- Overview of different maintenance strategies: reactive, preventive, predictive, and proactive.
- Introduction to operation and maintenance management tools and software solutions, such as CMMS.

UK Training
PARTNER



Day 2: Objectives and Benefits of Preventive Maintenance

- Understanding preventive maintenance for asset longevity and cost reduction.
- Developing and implementing preventive maintenance schedules for operational efficiency.
- Implementing condition-based monitoring techniques as part of a comprehensive facility operation and maintenance plan.

Day 3: Maintenance Planning and Scheduling

- Effective maintenance scheduling and resource allocation.
- Optimizing maintenance repair and operations by utilizing best practices in planning.
- Key considerations in work order management and operation and maintenance activities.

Day 4: Failure Analysis and Root Cause Identification

- Root cause analysis RCA methodologies and their application in maintenance management.
- Tools and methods for effective failure analysis and developing corrective action plans.
- Understanding failure modes and effects analysis FMEA to predict and mitigate issues.

Day 5: Predictive Maintenance Technologies

- Introduction to predictive maintenance technologies and their role in reducing downtime.
- Using vibration analysis and infrared thermography for early fault detection.
- Implementing predictive strategies in your maintenance and operation activities.

Day 6: Maintenance Performance Metrics and KPIs

- Key performance indicators KPIs for assessing maintenance and operational effectiveness.
- Techniques for using maintenance performance metrics to drive continuous improvement.
- Establishing and refining performance measurement systems in maintenance operations.

Day 7: Maintenance Budgeting and Cost Control

- Key budgeting strategies for maintenance repair and operating supplies.
- Cost control techniques for efficient use of operations and maintenance funds.
- Understanding total cost of ownership TCO in maintenance decision-making.

Day 8: Computerized Maintenance Management Systems CMMS

- Overview of CMMS and EAM software for efficient maintenance management.
- Key features and benefits of CMMS in operation and maintenance management.
- Implementing CMMS and operation and maintenance contract management in real-world scenarios.

Day 9: Maintenance Organization and Team Management

- Structuring maintenance teams for optimal productivity.
- Understanding roles and responsibilities within the maintenance department.
- Effective communication and collaboration in maintenance repair and operations.

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. The text 'UK Training PARTNER' is overlaid on the right side of the board.

UK Training
PARTNER

Day 10: Maintenance Optimization and Continuous Improvement

- Strategies for optimizing maintenance workflows to maximize efficiency.
- Implementing Lean maintenance principles and continuous improvement methodologies like Six Sigma and Kaizen.
- Developing a culture of continuous improvement in facility operation and maintenance.

Why Attend This Course: Wins & Losses!

If you're wondering why you should attend this course, here's why:

- **Practical Skills for Real-World Applications:** Learn how to design a comprehensive operations and maintenance plan for your facility, optimizing both preventive and predictive maintenance.
- **Boost Operational Efficiency:** Implement strategies that reduce downtime, enhance equipment reliability, and ensure smoother facility operation and maintenance.
- **Gain Mastery of Cutting-Edge Tools:** Get hands-on experience with advanced CMMS and EAM software that help you streamline maintenance repair and operating supplies management.
- **Improve Budgeting and Cost Management:** Master maintenance budgeting techniques and strategies for managing operations and maintenance funds effectively.
- **Enhance Career Opportunities:** Whether you are a maintenance technician, a manager, or a professional involved in maintenance and operation activities, this course will provide you with a competitive edge in the field.

Conclusion

By the end of the Advanced Course in Maintenance and Operation Planning, you will be equipped with the essential knowledge and practical skills to enhance your facility's maintenance strategies. From mastering maintenance and operation planning, to implementing predictive technologies, and optimizing maintenance repair and operations, you will be ready to reduce downtime, lower costs, and ensure maximum operational efficiency.

Don't miss the opportunity to upgrade your expertise and stay ahead in the evolving world of operations and maintenance management!

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles and the text 'UK Training PARTNER'.

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

UK Training
PARTNER

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 CORPORATION MANNAI Trading Company WLL, Qatar	 GAC UNE FILIALE D' EGA Alumina Corporation Guinea	 Booking.com Booking.com Netherlands	 OXFAM Oxfam GB International Organization, Yemen	 Capital Markets Authority Kuwait
 Waltersmith Waltersmith Petroman Oil Limited Nigeria	 QNB Qatar National Bank (QNB), Qatar	 Qatar Foundation Qatar	 AFRICAN UNION ADVISORY BOARD ON CORRUPTION Tanzania	 KFAS KFS 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
 BPKH Badan Pengelola Keuangan Haji BADAN PENGELOLA KEUANGAN Haji, Indonesia	 NATO Italy	 ENI ENI CORPORATE UNIVERSITY, Italy	 GULF BANK 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 STC Solutions, KSA
 North Oil Company North Oil company,	 EKO Electricity EKO Electricity	 OMAN BROADBAND Oman Broadband	 UNITED NATIONS UN.	 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

UK Training
PARTNER

