

## Predictive Maintenance Planning

*Washington (USA)*

*15 - 19 December 2025*

UK Training

# PARTNER



## Predictive Maintenance Planning

Code: QM28 From: 15 - 19 December 2025 City: Washington (USA) Fees: 4700 Pound

### Introduction

This training program provides a comprehensive introduction to Predictive Maintenance PdM, an advanced approach that leverages data-driven insights to anticipate and prevent equipment failures. The course emphasizes essential principles, tools, and techniques for implementing an effective predictive maintenance strategy. Participants will explore preventive maintenance planning, predictive analytics, sensor technologies, and condition-monitoring tools to optimize maintenance schedules, minimize unplanned downtime, and extend equipment lifespan.

By integrating predictive maintenance with preventive maintenance plans, organizations can enhance their maintenance efficiency, ensure preventive maintenance compliance, and achieve significant cost savings. Understanding the concept of preventive maintenance will allow businesses to balance reactive and preventive maintenance, ensuring long-term asset reliability.

### Course Objectives

By completing this course, participants will:

- Grasp the fundamentals of predictive maintenance and how it contrasts with reactive and preventive maintenance.
- Apply predictive maintenance techniques using condition-monitoring tools and data analytics.
- Design a predictive maintenance plan that aligns with preventive maintenance procedures.
- Utilize software and tools for preventive maintenance optimization and cost reduction.
- Evaluate and refine preventive maintenance solutions for continuous improvement.

### Course Outlines

#### Day 1: Foundations of Predictive Maintenance

- Introduction to Predictive Maintenance PdM: Definition, principles, and benefits.
- Comparing predictive maintenance with preventive maintenance plans and corrective maintenance.
- Understanding preventive maintenance benefits and their role in reliability.

The logo for UK Training Partner features the text 'UK Training' in a small, black sans-serif font above the word 'PARTNER' in a large, bold, black sans-serif font. The background of the logo is a stylized chessboard with several chess pieces (a king, a queen, and a pawn) in gold and silver, set against a backdrop of concentric circles.

- The purpose of preventive maintenance is to minimize failures and optimize performance.
- Key PdM technologies: Sensors, IoT, vibration analysis, thermography, and ultrasound testing.

## Day 2: Tools and Techniques for Predictive Maintenance

- Overview of preventive maintenance requirements and compliance standards.
- Building preventive maintenance into predictive maintenance strategies.
- Condition monitoring technologies: Vibration sensors, infrared thermography, and oil analysis.
- Selecting PdM techniques based on asset types and potential failure modes.
- Integrating predictive maintenance solutions with preventive maintenance training.

## Day 3: Crafting a Predictive Maintenance Plan

- Asset criticality assessment: Identifying high-priority assets for PdM.
- Strategy development: Establishing a roadmap that includes comprehensive preventive maintenance.
- Building preventive maintenance plan into PdM frameworks.
- Combining predictive maintenance with preventive maintenance agreements.
- Managing risks and failure modes to enhance asset reliability.

## Day 4: Advanced Software and Analytics for PdM

- Overview of predictive maintenance software and its integration with preventive maintenance solutions.
- Using CMMS and ERP systems for predictive maintenance scheduling.
- Understanding predictive models and preventive maintenance compliance standards.
- Enhancing PdM efficiency through automation and AI-driven analytics.
- Case studies of predictive and preventive maintenance success across industries.

## Day 5: Performance Evaluation and Continuous Improvement

- Key KPIs for preventive maintenance optimization and PdM effectiveness.
- Program performance monitoring: Conducting audits and reviews.

A graphic of a chessboard with several chess pieces, including a king, queen, and pawns, arranged on the board. The pieces are gold and silver.

UK Training  
**PARTNER**

- Root Cause Analysis RCA to refine building preventive maintenance plans.
- Implementing feedback loops for continuous improvement in predictive maintenance.
- Final project: Developing a predictive maintenance plan incorporating preventive maintenance procedures.

## Why Attend this Course: Wins & Losses!

- Gain in-depth knowledge of predictive maintenance and its synergy with preventive maintenance plans.
- Learn how preventive maintenance training enhances maintenance workforce efficiency.
- Master preventive maintenance optimization techniques to reduce costs and improve asset lifespan.
- Develop expertise in leveraging preventive maintenance solutions for maximum reliability.
- Improve risk management by balancing reactive and preventive maintenance approaches.

## Conclusion

This course is essential for professionals looking to master predictive maintenance while strengthening their preventive maintenance planning capabilities. By integrating preventive maintenance agreements with data-driven predictive maintenance solutions, organizations can enhance operational efficiency, extend equipment lifespan, and reduce maintenance costs.

**Enroll now and transform your maintenance strategy with cutting-edge predictive insights!**



## 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

 <b>MANNAI CORPORATION</b> MANNAI Trading Company WLL, Qatar	 <b>GAC</b> UNE FILIALE D' EGA Alumina Corporation Guinea	 <b>Booking.com</b> Booking.com Netherlands	 <b>OXFAM</b> Oxfam GB International Organization, Yemen	 <b>Capital Markets Authority</b> Kuwait
 <b>Waltersmith</b> Waltersmith Petroman Oil Limited Nigeria	 <b>QNB</b> Qatar National Bank (QNB), Qatar	 <b>Qatar Foundation</b> Qatar	 <b>AFRICAN UNION ADVISORY BOARD ON CORRUPTION</b> Tanzania	 <b>KFAS</b> KFS Kuwait
 <b>Reserve Bank of Malawi</b> Malawi	 <b>Central Bank of Nigeria</b> Nigeria	 <b>Ministry of Interior Kingdom of Saudi Arabia</b> KSA	 <b>Mabruk Oil Company</b> Libya	 <b>Saudi Electricity Company</b> KSA
 <b>BPKH</b> Badan Pengelola Keuangan Haji BADAN PENGELOLA KEUANGAN Haji, Indonesia	 <b>NATO Italy</b>	 <b>ENI</b> ENI CORPORATE UNIVERSITY, Italy	 <b>GULF BANK</b> Gulf Bank Kuwait	 <b>General Organization for Social Insurance</b> KSA
 <b>Defence Space Administration</b> Nigeria	 <b>National Industries Group (Holding)</b> Kuwait	 <b>Hamad Medical Corporation</b> Qatar	 <b>USAID</b> Pakistan	 <b>STC</b> STC Solutions, KSA
 <b>North Oil Company</b> North Oil company,	 <b>EKO Electricity</b> EKO Electricity	 <b>OMAN BROADBAND</b> Oman Broadband	 <b>UNITED NATIONS</b> UN.	 <b>Authority for Electricity Regulation, Oman</b> 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**

