

Predictive Maintenance Planning

Cairo (Egypt)

25 - 29 January 2026

UK Training

PARTNER



Predictive Maintenance Planning

Code: QM28 From: 25 - 29 January 2026 City: Cairo (Egypt) Fees: 3300 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, featuring the text 'UK Training' in a smaller font above the word 'PARTNER' in a large, bold, black font. The background of the logo is a stylized chessboard with chess pieces.

- 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. 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' in a bold, black, sans-serif font.

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

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

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

