

## Inspection and Integrity DP-MPI

*Barcelona (Spain)*

*29 September - 3 October 2025*

UK Training

# PARTNER



## Inspection and Integrity DP-MPI

Code: OG28 From: 29 September - 3 October 2025 City: Barcelona (Spain) Fees: 5100 Pound

### Introduction

Welcome to the Inspection NDT-DP-MPI Training Course! This comprehensive program is designed to provide participants with an in-depth understanding of Non-Destructive Testing NDT techniques, with a particular focus on Dye Penetrant Testing DP and Magnetic Particle Inspection MPI. In this course, you will learn about MPI properties, the advantages of MPI, and how MPI integration can enhance the safety and reliability of materials and components. The course covers essential MPI training, detailing MPI inspection techniques, practical applications, and certification requirements, all crucial for ensuring the structural integrity of various materials. This course will also help you understand the MPI plan and how to apply it in global MPI contexts.

### Course Objectives

By the end of this course, participants will:

- Gain an understanding of MPI and DP inspection methods, learning how these NDT techniques can improve product safety and reliability.
- Explore the definition of MPI, including the properties and ingredients of MPI materials.
- Learn how to implement MPI techniques effectively through hands-on practice and theoretical knowledge.
- Understand how to develop an MPI plan to ensure consistent quality and safety in a global context.
- Achieve proficiency in MPI inspection, including recognizing defects and interpreting MPI inspection results accurately.
- Comprehend the benefits of MPI and the essential safety measures during MPI implementation.
- Obtain an MPI certificate to demonstrate proficiency and competency in MPI procedures and standards.

### Course Outlines

#### Day 1: Introduction to NDT

- The importance of NDT techniques, with a focus on how MPI enhances product integrity and safety.
- An overview of various NDT methods and the fundamental principles behind MPI and DP inspection.
- Introduction to the significance of global MPI and its relevance in the industry.

#### Day 2: Dye Penetrant Testing DP

- Examination of penetrant materials and their properties, a key component in DP inspection.
- A step-by-step guide on conducting DP inspections and interpreting the results effectively.
- Discussing the limitations and advantages of DP inspection in different applications.

#### Day 3: Magnetic Particle Inspection MPI



- Understanding the principles of MPI, including the role of magnetic fields in the inspection process.
- Exploring the types of magnetic particles and MPI property carriers used for MPI inspections.
- Practical MPI implementation and effective inspection procedures for different materials.

#### Day 4: Defect Characterization

- Identifying different types of defects in materials and how they are influenced by inspection methods.
- Case studies and real-world examples that demonstrate effective MPI inspection results and defect characterization.
- How to accurately assess defects and understand the visibility of indications from MPI and DP inspections.

#### Day 5: Safety and Certification

- Discussing safety precautions during NDT inspections, including MPI retirement practices and their importance.
- An overview of MPI certification standards and the process of obtaining an MPI certificate.
- A guide on how to implement a successful MPI plan and integrate it into your enterprise's inspection strategy.

#### Why Attend this Course: Wins & Losses!

- What is MPI? This course answers all your questions about MPI inspection and helps you understand the MPI inspection meaning.
- By attending this course, you will gain practical knowledge on MPI properties and the advantages of MPI, making you well-equipped to handle real-world inspection tasks.
- Learn how to integrate MPI techniques into your work environment with an MPI plan that ensures global application and quality control.
- This course is ideal for anyone looking to obtain an MPI certificate, as it provides the essential knowledge needed for certification and career advancement.
- With hands-on exercises, you will master MPI inspection and gain insights into the MPI foundation necessary for high-quality defect detection.

#### Conclusion

By the end of the Inspection NDT-DP-MPI Training Course, you will possess a solid foundation in Non-Destructive Testing techniques, particularly focusing on MPI inspection and Dye Penetrant Testing. You will gain practical experience, enhance your proficiency in MPI inspection methods, and learn how to develop an MPI plan that ensures product integrity and safety. With the knowledge and skills acquired in this course, you will be well-positioned to implement MPI techniques across a wide range of industries and obtain an industry-recognized MPI certificate.

Don't miss this opportunity to advance your career and become an expert in MPI integration and NDT inspections.





# 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)  
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut





## 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 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,  
KSA



Mabruk Oil Company  
Libya



Saudi Electricity  
Company,  
KSA



BADAN PENGELOLA  
KEUANGAN Haji,  
Indonesia



NATO  
Italy



ENI CORPORATE  
UNIVERSITY,  
Italy



Gulf Bank  
Kuwait



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**



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



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

