



*Training Course:
Risk Based Inspection Certification*

*23 - 27 June 2025
Kigali (Rwanda)*

Training Course: Risk Based Inspection Certification

Training Course code: MA1938 From: 23 - 27 June 2025 Venue: Kigali (Rwanda) - Training Course Fees: 5950 € Euro

Introduction:

Welcome to the Risk-Based Inspection training program, designed by Global Horizon Training Center. This comprehensive training aims to equip participants with the knowledge and skills required to implement effective risk-based inspection strategies in their respective industries. By understanding the principles and methodologies of risk-based inspection, participants will be able to optimize inspection efforts, prioritize resources, and enhance safety and reliability.

Objectives:

- Understand the concept of risk-based inspection and its importance in various industries.
- Learn the principles and methodologies of risk assessment and risk management.
- Develop the skills to identify and evaluate risks associated with equipment and assets.
- Gain knowledge of inspection techniques and methodologies used in risk-based inspection.
- Acquire the ability to develop and implement risk-based inspection plans.
- Learn how to interpret and utilize inspection data for decision-making and maintenance strategies.

Methodology:

The training program will employ a combination of interactive lectures, case studies, group discussions, and practical exercises to enhance the learning experience. Real-world examples and industry best practices will be shared to provide participants with practical insights. The program will encourage active participation and engagement to ensure a comprehensive understanding of the concepts and methodologies.

Target Audience:

This training program is suitable for professionals involved in maintenance, inspection, asset management, reliability engineering, and safety management across various industries. It is particularly relevant for engineers, supervisors, technicians, and managers responsible for ensuring the integrity and reliability of equipment and assets.

Outlines:

Day 1:

Introduction to Risk-Based Inspection

- Importance of risk-based inspection in ensuring safety and reliability
- Overview of relevant industry standards and regulations
- Introduction to risk assessment and risk management principles

Day 2:

Risk Identification and Evaluation

- Techniques for identifying risks associated with equipment and assets
- Qualitative and quantitative risk assessment methods
- Prioritizing risks based on severity, probability, and detectability

Day 3:

Inspection Techniques and Methodologies

- Overview of various inspection techniques visual, non-destructive testing, etc.
- Understanding inspection methodologies API 580, RBI software, etc.
- Selection and optimization of inspection methods based on risk analysis

Day 4:

Developing Risk-Based Inspection Plans

- Components of a risk-based inspection plan
- Developing inspection schedules and intervals based on risk profiles
- Integration of risk-based inspection with maintenance and reliability programs

Day 5:

Data Analysis and Decision-Making

- Collection and interpretation of inspection data
- Using data to make informed decisions on maintenance strategies
- Continuous improvement and optimization of risk-based inspection programs
- Final Exam

Registration form on the Training Course: Risk Based Inspection Certification

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