



ME218: Risk Based Inspection for Static Equipment

Training Description:

Risk-Based Inspection (RBI) for Static Equipment is a specialized course designed to provide technical professionals with the knowledge and skills needed to implement RBI methodologies effectively. This intensive training course covers the principles and practices of assessing the risk of failure and optimizing inspection processes for static equipment in industrial settings. Participants will learn how to prioritize inspection resources based on risk assessment, ensuring safety, compliance, and cost-effectiveness.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Understand and apply the fundamentals of risk-based inspection
- ✓ Perform risk assessments for static equipment
- ✓ Develop and implement effective RBI programs
- ✓ Optimize inspection intervals and resource allocation. Enhance safety and reliability in industrial operations
- ✓ Conduct comprehensive risk assessments for static equipment
- ✓ Develop and implement effective RBI programs tailored to their specific industrial context
- ✓ Optimize inspection schedules and resources, improving safety and operational efficiency
- ✓ Apply best practices and lessons learned from real-world RBI implementations
- ✓ Enhance their professional expertise in risk management and inspection strategies

Training Designed for:

This training course is intended for Inspection and maintenance engineers, Safety and reliability engineers, Plant managers and supervisors, Risk management professionals and Anyone involved in the inspection and maintenance of static equipment in industrial environments.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ Introduction to Risk-Based Inspection (RBI)
 - Overview of RBI principles and methodologies
 - Importance of RBI in industrial safety and efficiency
- ❖ Risk Assessment Fundamentals
 - Understanding risk and its components
 - Techniques for risk assessment and analysis
- ❖ Static Equipment in Industrial Settings

- Types and functions of static equipment
- Common failure mechanisms and their impacts.
- ❖ **RBI Methodology and Implementation**
 - Steps to develop an RBI program
 - Data collection and analysis for RBI
- ❖ **Inspection Planning and Optimization**
 - Determining inspection intervals
 - Resource allocation based on risk prioritization
- ❖ **Case Studies and Practical Applications**
 - Real-world examples of RBI in action
 - Lessons learned and best practices
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

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|---------------|-------------------------------|
| 07:45 - 08:00 | Morning Coffee / Tea |
| 08:00 - 10:00 | First Session |
| 10:00 - 10:20 | Recess (Coffee/Tea/Snacks) |
| 10:20 - 12:20 | Second Session |
| 12:20 - 13:00 | Recess (Prayer Break & Lunch) |
| 13:00 - 14:00 | Last Session |

For training registrations or in-house enquiries, please contact:

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