

Maintenance & Reliability Best Practices

Lowering Life Cycle Cost of Equipment

Upcoming Dates

Code	Date	Venue	Fees
MN002	11 - 15 Dec 2016	Dubai	\$4,500
MN002	08 - 12 Jan 2017	Dubai	\$4,500
MN002	09 - 13 Apr 2017	Dubai	\$4,500
MN002	30 Jul - 03 Aug 2017	Dubai	\$4,500
MN002	10 - 14 Dec 2017	Dubai	\$4,500

Introduction

Maintenance & Reliability Best Practices are critical for every successful individual and company. This training seminar delivers many practical and new Maintenance and Reliability Best Practices concepts and tools. You will discuss these concepts and practice using practical tools in case studies and discussion groups.

The costs associated with equipment downtime and reduced production can be significant. Learning how to effectively manage all aspects of your industrial facility is a must.

This training seminar is a combination of instructor-led topic areas and class discussions. Interactive discussions will allow you to hear and learn best in class applications relating to maintenance planning and cost management strategies. You will have the opportunity to ask lots of questions in order to consider how best to apply these tools and techniques in your organisation.

- Maintenance best practice improves competitive position
- Initiatives such as Six Sigma & Lean depend on reliable equipment
- Technical and people aspects are fully covered
- Hard and soft copy of practical improvement tools are provided
- Important points are reinforced by workshop sessions

Objectives

- Evaluate and justify your maintenance programs using Value = Benefit - Cost
- Apply Life Cycle cost and risk planning to your facility assets
- Target Maintainability and/or Reliability in the development of your facility maintenance plans
- Learn the PLAN, DO, REVIEW cycle of continuous improvement
- Apply the theory of this session using practical case studies
- Practice using improvement techniques

Training Methodology

This training seminar is a combination of instructor-led topic areas and class discussions. Interactive discussions will allow you to hear and learn best in class applications relating to maintenance planning and cost management strategies.

Organisational Impact

By sending your staff on this seminar you will achieve:

- Lower life-cycle costs for equipment
- More reliable equipment
- Lower maintenance costs
- Better planning

- Improved team working between maintenance and production
- Increased equipment performance

Personal Impact

- Strategies aligned to the business goals
- Introduction to the latest tools and techniques
- Exposure to best practices drawn from a range of different industries
- Methodology to enable successful permanent changes
- Application of the most appropriate reliability improvement technique
- Consideration of technical and human aspects of reliability improvement

Who Should Attend?

It is highly recommended that all Maintenance, Reliability, Engineering and technical support staff including leadership and management attend this training course.

- Planners
- Maintenance Supervisors
- Engineers
- Crafts and Tradesmen
- Reliability Engineers
- Operations Supervisors

SEMINAR OUTLINE

DAY 1

Asset Cost Management Introduction

- Definitions of reliability, maintenance & asset management
- The total cost of maintenance
- Best practice reliability and maintenance processes
- Elements of asset management best practice
- Auditing performance
- Overview of TPM, RCM, BCM, QCM, and other asset management buzzword
- Open discussion sessions

DAY 2

Laying the Groundwork

- Team-work maintenance, operations, stores
- The importance of standards such as PAS 55, JA1011
- Corporate asset management expectations
- Asset performance expectations
- The forms of asset failure and degradation
- The causes and nature of asset failure and degradation
- The effects, cost and risks of asset degradation
- Practical Application and Open Discussion sessions

DAY 3

Applying the Value-based Process

- Breaking the cycle of failure and degradation
- Select PM tactics on the basis of costs and risks
- How to determine PM intervals
- Condition based maintenance types and the PF-curve
- The four important reliability functions
- Implementing best practice maintenance programs
- Optimising spares to support the maintenance program
- Maintenance program cost and risk based justification
- Practical Application and Open Discussion Sessions

DAY 4

Ensuring the Continuity of the Value-based Process

- Complete the PLAN, DO, REVIEW Improvement cycle with FRACAS
- Failure Reporting, Analysis and Corrective Action System requirements
- Structure and code data collection to support reliability analysis
- How to quantify chronic failures and losses
- Use Pareto analysis and stratification to focus the value-based analysis
- Quantify losses in life cycle terms
- Hypothesize root causes of failure and verify on the basis of evidence
- Reliability Analysis Case Study
- Discussion of software and templates to support analysis

DAY 5

Supporting Process that Lower Life-cycle Costs

- Planning and scheduling best practice
- Cost effective manpower and skills deployment
- Performance indicators to drive continuous improvement
- Overall review of concepts learned



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