

➤ Maintenance Planning and Management

Course outlines

- ✓ Best Practice Tools In Maintenance
- Best Practices Overview
- Using the Excellence Cube to achieve Best practices
- Maintenance Assessments as the basis for improving Maintenance
- Benchmarking against other maintenance organizations
- Maintenance Optimization
- Best practices and how they relate to tools such as CMMS, RCM
 - ✓ Introduction to Reliability
- Purpose of Maintenance
- Existing Reliability Problems
- Reliability Centred Knowledge
- Failure curves, performance curves
- Defining and measuring downtime
- Cost and Risk in Maintenance
 - ✓ Maintenance Strategy
- Do we really need a Maintenance Strategy?
- How it fits with what we really do?
- Framework for developing a strategy
- Examples of changing strategies
 - ✓ Performance Improvement
- Performance Measurement overview
- Key Performance Indicators
- How to make Performance Management work for you
- Case Study of a company's KPI's.
- Lots of Examples
 - ✓ Computerized Maintenance Management Systems (CMMS) and Enterprise Asset Management systems (EAM)
- CMMS/EAM Background and Definitions
- How a CMMS works
- Measuring how you measure up – best practices in CMMS
- What sort of benefits should you get from CMMS?
- How to derive the pay-back --- a general formula
- Where do the problems arise with CMMS
- Increasing Payback --- Specific examples
 - ✓ Reliability Centered Maintenance (RCM)
- Definition and Basic RCM Questions

- RCM Expectations and Issues
- The RCM Process Steps – Equipment Selection, Defining the Functions,
- Identifying Failures and failure Modes, Root Cause Analysis, Effects and
- Consequences, Building the Maintenance Plan
- Implementation steps
- Keeping RCM current and useful – Living RCM and CMMS
 - ✓ Managing Change in Maintenance
- Change Management Issues and Challenges
- How to make Change Management easy
- Planning Change
- Implementing change
- Case study
 - ✓ Expert Systems
- Description of Expert Systems
- Defining the value they bring
- Examples of six expert systems and their benefits
- Implementing and using Expert systems
 - ✓ Finance in Maintenance (Reliability = Profitability)
- Understanding Accountants and Financial wizards
- What is ROI and Cash Flow all about?
- Building your Budget
- Project Proposals – Financial aspects
- Life Cycle Costing case study