



Optimizing Equipment Reliability

Step by Step Strategy From Reactive To Proactive Maintenance

(REFINEMENT OF THE RCM2 VERSION)



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Objective Of this Course :

- Provide a deeper understanding on what it takes for our maintenance to be most effective and efficient.
- Realize that the best maintenance tasks will always be based on the consequences of the failure itself
- Compare the 2 approaches of RCM and OER and learn why OER will be much faster to complete
- Learn how to improve our current structure of Preventive Maintenance System
- Learn the 6 failure pattern and how it affects us in our day to day maintenance activities

illuminate
the possibilities...

OER
TOOLKIT

Reliability-centred
Maintenance
Toolkit

Optimizing Equipment's Reliability



Introduction To OER Course Modules :

Day
1

Module 1 : Introduction : Changing the Maintenance Belief

- Traditional belief on maintenance
- Domino effect of being reactive
- Understanding the 6 failure patterns
- Why preventive maintenance is limited ?

Module 2 : Understanding The Different Mtce Tasks

- Reactive Maintenance
- Preventive Maintenance
- Predictive Maintenance
- Proactive Maintenance
- Workshop

Day
2

Module 3 : Using The Different Maintenance Tasks

- When to use the different tasks

Module 4 : Understanding The Consequences of Failure

- Hidden and Evident Failures
- Safety & Environmental Consequences
- Plant Shutdown Consequences
- Operational Consequences
- Non-operational consequences
- Exercises on consequences



Day
3

Module 5 : Understanding How To Derive The RCM Worksheet

- Understanding RCM Operating Context
- Deriving the RCM Information Worksheet

Module 6 : Step Approach to OER

- OER Information Worksheet
- Understanding The Decision Diagram
- OER Decision Worksheet

Module 7 : Benefits of using OER

- Advantages of using OER Strategy

Module 8 : Principles of Equipment's Reliability

- Learn the 12 New Mindset for Maintenance

Closing Remarks