

# Reliability Centered Maintenance

## 3 to 5 Day Course

Reliability Centered Maintenance (RCM) is a tool that helps you identify your equipment's failure risks, mitigates and in many cases, eliminates them, by creating proactive strategies and tactics that drive improved safety, environmental compliance, uptime and profitability.

Our workshop walks you through this process step by step to help you achieve these benefits.



Our workshop explains, discusses and shows you how to apply the following topics:

- What is Reliability Centered Maintenance?
- How Reliability Centered Maintenance Supports Business Success
- Quantifying Risks
  - *What does your company consider a risk?*
    - Safety
    - Quality
    - Delivery
    - Cost
  - *How do you rank severity of a risk?*
  - *How often do these risks occur?*
  - *How easy is it to detect these risks?*
- Identifying Failure Modes
- Devising Strategies and Tactics to Prevent Failures From Occurring
  - *Predictive Maintenance*
  - *Preventative Maintenance*
  - *Precision (doing it right the first time) corrective maintenance*
  - *Schedule replacements*
  - *Failure Finding*
  - *Redesign*
  - *Run to Failure*
- How to Sustain Reliability Centered Maintenance
- Performing a Sample RCM Analysis
- Facilitating Your Implementation Plan

### About the Instructor



**Larry Bouvier, CMRP**  
**Vice President**  
**Fuss & O'Neill Manufacturing Solutions, LLC**

Larry has more than 25 years of experience in Engineering and Maintenance Management. A coach and mentor to his employees, peers, and clients, he develops and leads maintenance organizations, establishes maintenance best practices, and improves processes and equipment reliability. Larry is a natural leader, drawing on his organizational and hands-on skills to provide building, shop floor, and classroom training in TPM, RCM, maintenance excellence, maintenance skills, and productivity improvements, which translate to cost savings for his clients.



## The Fuss & O'Neill Difference

Our team averages over 25 years of multi-industrial experience including maintenance & reliability engineering management, consulting and engineering services that deliver sustainable results again and again. We won't just tell you what you can do to achieve your objectives – we'll show you how.

### We won't just tell you what you can do to achieve your objectives – we'll show you how.

- Industry Experience
- Change Management Experts
- Effective Integration with Ongoing Improvements
- Draw on Employee Expertise
- Minimal Disruption
- Immediate Results



#### Process/Methodology

- We teach the reliability centered maintenance process using common equipment as well as some of your assets as examples and your people 'teach back' the key principles.
- We show your people how to find the answers to seven key questions:
  1. *What are the functions and associated performance standards of your equipment?*
  2. *In what ways can it fail to fulfill its functions?*
  3. *What causes each functional failure?*
  4. *What happens when each failure occurs*
  5. *In what ways does each failure matter?*
  6. *What can be done to prevent each failure?*
  7. *What should you do if a suitable preventative task cannot be found?*
- We facilitate as your team performs its first analyses after learning the key principles.

#### Deliverables

- Your employees will understand how to perform an RCM analysis
- You will receive a working RCM analysis and implementation plan of an asset you select, that the class performs as its example.
- We provide a framework for carrying the RCM analysis forward after the training session so you can evaluate your entire plant and create the best risk-avoidance and elimination strategies and tactics.
- We provide a time-phased, high-level implementation plan that proceeds on pace based on what you can achieve, and that accelerates as you grow and improve.

#### Results You Can Expect

- Improved overall equipment effectiveness (OEE)
- Improved employee engagement
- Safer, environmentally compliant success
- Longer equipment life cycles
- Reduced waste
- Improved profitability

