

# Precision Maintenance

## 3-Day Interactive Workshop

Maintenance and downtime are effects, not causes. To reduce maintenance costs and production downtime, it is necessary to understand, proactively combat, and reduce their causes.

In this course, participants will learn to improve competitiveness and profitability by maximizing equipment life cycles, from installation to repair, by getting it done right the first time.

We'll show your people how to apply best practices to the installation and repair of industrial machinery and equipment through real-world examples on your shop floor.

You can expect to see an improved overall equipment effectiveness (OEE); improved employee engagement; safer, environmentally compliant success; longer equipment life cycles; reduced waste; and improved profitability.

### Proven Success

1. Targeted to your craftspeople - language, experiences, and examples are specific to your business.
2. Identifies and teaches practical strategies for optimal equipment care that work within the framework of your operation.
3. Establishes key opportunities that can be quickly implemented, enabling you to gain ground and accelerate your progress on a sustained basis.
4. Uses hands-on, real-life examples to enable practical knowledge gathering and ensure ease of implementation.



### 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

We have done this before.

Our team averages more than 25 years of multi-industrial experience, including maintenance and 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.**



### Course Outline

- What is Precision Maintenance?
  - The value of accuracy versus speed.
  - Application of continuous improvement to repair procedures.
- How Precision Maintenance Supports Business Success
  - Maximizes useful component life to minimize waste.
  - Incorporates failure analysis and mistake proofing to eliminate repeat failures.
- The Disciplines of Precision Maintenance
 

<i>Torques and Bolted Joint Preparation</i>	<i>Fits and Tolerances</i>
<i>Runout and Thrust</i>	<i>Alignment</i>
<i>Balancing</i>	<i>Vibration</i>
<i>Tensioning</i>	<i>Calibration</i>
<i>Electrical Power Quality</i>	<i>Rigidity of Supports and Mounts</i>
<i>Distortion Free Equipment</i>	<i>Right Tools in Right Condition Used Correctly</i>
<i>In-Specification Parts and Supplies</i>	<i>Failure Cause Analysis</i>
<i>Proof Testing</i>	
- How to Sustain Precision Maintenance
  - Quality Assurance
  - Auditing

### Deliverables

- Clearly defined, measurable preventative and predictive maintenance tasks specifically built for your equipment.
- A method your people will understand and be able to apply to all of your facility's needs.

### Results You Can Expect

- Improved overall equipment effectiveness (OEE).
- Improved safety and environmental compliance.
- Consistent, improved quality.
- Longer equipment life cycles.
- Reduced waste.
- Improved profitability.

