

# INTRODUCTION TO RELIABLE MANUFACTURING®

## OVERVIEW

This half-day session defines and raises awareness for the roles, responsibilities, and cultural changes required to achieve Reliable Manufacturing® excellence. Participants examine the sources of most machine failures, review what best-in-class performers do today, and understand the profitable results that come from a higher-skilled, more engaged workforce. Delivered through presentations, live demonstrations, field observations, and challenges, the session provides a practical foundation for beginning the path to Reliable Manufacturing®.

## Why This Training Matters

- ✓ Builds leadership awareness & organizational alignment
- ✓ Connects reliability improvement to bottom-line business results
- ✓ Defines what «good» looks like across four reliability pillars
- ✓ Establishes the case for structured skill development and investment

## Who Should Attend?

- ✓ Corporate and Senior Leadership
- ✓ Area/Line Managers and Superintendents
- ✓ Maintenance and Operations Supervisors
- ✓ Leaders responsible for reliability initiatives

## Format

- ✓ Half-day session delivered on-site at your facility
- ✓ Presentations, live demonstrations, and field observations
- ✓ Reliability observation notes for current-state assessment

## Subject

1. Foundations Of Reliable Manufacturing®
2. How Machines Fail, Becoming Reliable & Predictable
3. Reliable Manufacturing Through Precision Maintenance®
4. Craft Skills, Misalignment, Unbalance, Assembly Errors, Value And Costs
5. Reliable Manufacturing Through Essential Operator Care
6. Operator Inspections, P-F Curve, Routes, Tools, And Training
7. Reliable Manufacturing Through Condition Monitoring
8. Asset Condition Assessment, Roles, Responsibilities, And Value
9. Bringing It All Together
10. Asset Strategies, Work Systems, Improvement Planning, Sustainability

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## SESSION OUTLINE

### Foundations of Reliable Manufacturing®

- Introduction to Reliability Solutions Defining Reliable Manufacturing®
- The journey to Reliable Manufacturing®
- How machines fail – studying patterns of failure
- Becoming reliable and predictable S
- Symptom vs. source – what are you treating?
- Stating the case for hard skills training

### Reliable Manufacturing through Precision Maintenance

- Understanding today's craft technicians
- How misalignment, unbalance, and assembly errors reduce life cycle performance
- Value and costs of Precision Maintenance®

### Reliable Manufacturing through Essential Operator Care

- Making N.I.R.D.s out of operators
- Working on the P-F curve
- Value of the right routes, right tools, and right training

### Reliable Manufacturing through Condition Monitoring

- Defining asset condition assessment
- Understanding roles and responsibilities
- Understanding the value

### Bringing It All Together

- Asset strategies: defining, developing, validating
- Defining work system essentials
- Creating an improvement plan and proving added value
- Moving forward at the corporate and site level Identifying early signs of success
- Communicating success and qualification recognition
- Implement, sustain, institutionalize

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## LEARNING OBJECTIVES & EXPECTED POST-TRAINING CAPABILITIES

Upon successful completion, participants will be capable of:

### Reliability Awareness & Alignment

- Understanding Reliable Manufacturing® principles and the improvement journey
- Recognizing the sources of most machine failures and their business impact
- Reviewing current practices against best-in-class benchmarks

### Four Pillars of Reliable Manufacturing

- Articulating the value of precision maintenance, operator care, and condition monitoring
- Understanding the roles and responsibilities required to sustain reliability
- Recognizing how skill development drives workforce engagement and results

### Path Forward & Implementation

- Developing asset strategies and defining work system essentials
- Creating an improvement plan that qualifies people, quantifies value, and reports progress
- Identifying early wins and communicating success to leadership

### Participants are expected to:

- ✓ Engage in presentations, demonstrations, and field observations
- ✓ Complete reliability observation notes for current-state assessment
- ✓ Identify improvement priorities for their facility or organization
- ✓ Support the path forward with sponsorship and advocacy