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BEST MAINTENANCE TECHNICIAN PRACTICES plus CMRT Preparation

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10am - 6:00pm ET

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WORKSHOP OBJECTIVES

The objective of the course is to align Maintenance Technicians with Maintenance and Reliability Leadership in “Known Best Maintenance and Repair Practices”. This alignment will bring down barriers most organizations face when trying to optimize asset reliability.

- o To enhance communication between maintenance, reliability, production, and plant leadership and maintenance technicians.
 - o To provide the vision of proactive and maintenance to all Maintenance technicians.
 - o To increase knowledge and skills for maintenance technicians through education and knowledge sharing.
 - o To define roles and responsibilities between technicians and managers.
 - o To reduce the turnover of maintenance technicians because of lack of understanding between management and technicians.
 - o To provide Confidence for Maintenance Technicians because of Knowledge Gained in the training.
 - o To provide knowledge which impacts equipment reliability once they return to work.
 - o To focus on improving equipment reliability everyday
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COURSE OUTLINE

- o Definition of Maintenance of Reliability Best Practices (World Class Maintenance)
- o Definition of Maintenance and Reliability “Best Repair” Practices
- o Causes of Equipment Failures
 - Inconsistent Execution of Work
 - Lack of effective Maintenance Processes
 - Lack of Knowledge
 - Lack of Repeatability
 - Lack of proper alignment with Leading and Lagging KPIs
- o Best Practices in Preventive Maintenance / Predictive Maintenance
- o PM Optimization
- o Maintenance Planning and Scheduling Best Practices
- o Importance of Accurate Work Order Close Out
- o Why Maintenance Scorecards are critical to success.
- o Work Order Expectations and Outcomes
 - o Optimization of Equipment Reliability through accurate data.
 - o Failure Reporting, Analysis and Corrective Action
 - o CMMS/EAM Fundamentals and Outputs D ISO 14224 and why Maintenance Data is critical to reduce equipment failures.
 - o Best Storeroom Practices
- o Min/Max/Reorder Point / Safety Stock
- o Maintenance Kitting
- o Roles and Responsibilities
- Equipment Problems and Solutions
 - Equipment Problem Board with Pictures
 - Problems
 - Cause
 - Corrective Action Taken
 - Verification
 - Root Cause Analysis at the Technician Level
- o 5’s
- o Other RCA Techniques
- o FRACAS (Failure Reporting, Analysis, Corrective Action System)
- o Repeatable procedures and why they are critical.
- o Work Execution
 - Discipline requirements for an expected outcome
 - Maintenance Knowledge and Skill (training)
 - Causes of Maintenance Rework
 - Tool Requirements
 - Parts and Material Requirements
 - Verification and Validation of Work Execution
- o Best Practices for Installation and Maintaining Practices
 - Bearings
 - Hydraulics
 - Lubrication
 - V-Belts
 - Gearboxes
 - Electrical Components
 - Electric Motors and Drives, etc.
- o Create a plan to improve plant performance based on what your learned in the training

“15 Hands On” Exercises” to Enhance Learning

- 📄 7 Days to Better Equipment Reliability
- 📄 7 Reasons Why Work Orders are not Closed Properly
- 📄 CMRT Candidate Guide for Certification and Recertification
- 📄 DILO Maintenance Technician Article
- 📄 DILO Proactive Maintenance Planner
- 📄 Doing Too Much PM
- 📄 Electrical PMs
- 📄 Exterminate Lube Problems
- 📄 Failure Elimination Made Simple
- 📄 Human Reliability Impacts Asset Reliability
- 📄 MAINTENANCE and RELIABILITY ASSESSMENT
- 📄 Maintenance of Hydraulic Systems
- 📄 MOTOR MAINTENANCE
- 📄 Procedure Template
- 📄 Six Tips For Optimizing a Preventive Maintenance Program

Need more information? Email me at rsmith@worldclassmaintenance.org