

PREVENTIVE MAINTENANCE BEST PRACTICES

LEARN PM BEST PRACTICES THROUGH CLASSROOM LECTURE, EXERCISES, AND GROUP DISCUSSION

October 19-21, 2020 Southern Wesleyan University Clemson, South Carolina Virtual or Live

FOR MORE INFORMATION SEND YOU REQUEST TO:

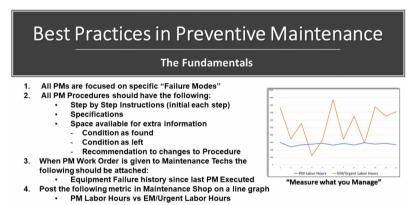
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ABOUT THIS WORKSHOP

This workshop is activity based and hands-on, with focus on the "Best Practices in Preventive Maintenance",



An Example of the Hawthorne Effect for Behavior Change in PM using this metric

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WHO SHOULD ATTEND?

- > Maintenance Planners
- > Maintenance Supervisors
- > Senior Maintenance Technicians (influential techs)
- > Maintenance Managers
- > Maintenance Engineers
- > Reliability Engineers
- > TPM Coordinators / SME



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Knowledge is the foundational requirement in all skills.

- Share Known PM Best Practices
- Definition of Preventive Maintenance
- How PM Compliance can be misleading
- Learn how write an effective PM Procedure
- Create a Continuous Improvement Process for PM
- Learn how to know if a PM or PM Program is effective or not
- Share Known Maintenance and Reliability Best Practices
- Describe the objective of PM
- Execute hands-on PM exercises in a group environment
- Learn how to measure if a PM function is effective
- How to engage Production / Operators to execute simple PMs
- Create a Proactive PM Workflow model to manage asset and process reliability
- Create and understand Leading and Lagging PM Metrics
- How to transition from current state to a proactive PM function
- Define how to measure and manage change
- Learn to implement a new way of thinking by and for plant staff
- Create a Master Plan, with timeline for PM implementation

... and so much more!

DAY 1 TRAINING SCHEDULE

Introduction to PM Best Practices

- Instructor and Attendee Introductions
- Your Current PM Program 2 Ups / 2 Downs per attendee
- Expectations from each attendee and instructor
- Course Overview: Objectives, Daily Training Schedule
- Why PM is not working in most organizations
- Proactive Maintenance Workflow Model/Process
- World Class Maintenance Case Study (Alumax/Alcoa Mt Holly John Day PE)
- Definition of key terms:
 - Maintenance
 - Reliability
 - Operator Care
 - Preventive Maintenance
 - Predictive Maintenance
 - Maintenance Planning
 Maintenance Schoduling
 - Maintenance Scheduling
 - Work Execution
 - Work Order Close Out
- Creation of the a Vision Statement, Mission Statement, and Guiding Principles for Successful Preventive Maintenance
- What are the expectations from PM?
- Failure Modes and mitigation strategies
- Developing and Managing an Effective PM Program
- PM Workflow Process
- Steps required to develop and manage an effective PM Program
- Best Practice PM Procedures Example
- PM Roles and Responsibilities (RACI)
- Managing a PM Program
- "Walk by" PMs
- PM Leading and Lagging KPIs and KPI Dashboards
- Group and Individual Exercises:
 - Create a PM Dashboard
 - One thing each person learned today

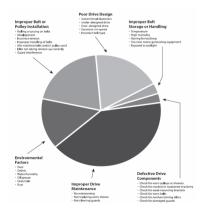


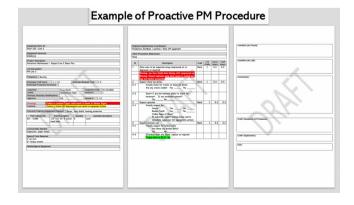


DAY 2 TRAINING SCHEDULE

Maintenance Planning

- Review of Day 1
- PM and the PF Curve
- Maintenance Planning definition, requirements, and expectations
- Proactive Maintenance Planning and Scheduling Process and why it is important for a successful PM Program
- PM Vision Statement, Mission Statement, and Guiding Principles
- Operator Care and PM
- Repeatable Procedure definition and how to create
- Why Repeatable Procedures are critical
- Examples of Repeatable procedures for PM
- Parts requirements
- Definition of Kitting and how to establish a kitting process
- Parts Ordered from Vendor vs Storeroom Stock
- Security of Scheduled Work Parts/Material
- Group and Individual Exercises:
 - Create PM Vision Statement, Mission Statement, and Guiding Principles
 - Create a PM Repeatable Procedure for a given example asset
 - $\circ~$ Create a Process Map for PM ~
 - $\circ~$ Create a RACI Chart (Roles and Responsibilities for PM)
 - Create a PM Procedure for a specific asset at your site



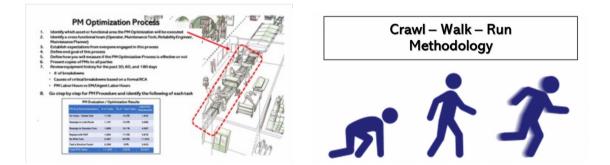




DAY 3 TRAINING SCHEDULE

Maintenance Planning and Scheduling Alignment

- What's one thing you learned so far?
- Benefits of a PM Optimization
- PM Optimization example
- PM Optimization Process
- Benefits of a PM Optimization Process
- Expectations of a PM Optimization Process
- Which asset or assets to perform a a PM Optimization (PMO)
- Principles for performing a PMO on a specific asset
- Example of a PMO and the results
- Steps to success in the PMO Process
- Best practices / lessons learned in PM Optimization
- Group and Individual Exercises:
 - PM Best Practices Exam
 - PM Optimization Process
 - Project Plan for when you return
- Final Exam
- Course Close Out / Evaluation







Such a fun, engaging, and informative course! I learned so much in only a few days.

- Caitlyn Young, CMRP

HOW TO ENROLL:

Complete the "Attendee Registration Form" on the next page and email your completed registration page to <u>rsmith@worldclassmaintenance.org</u>.

October 19-21, 2020 Southern Wesleyan University Clemson, South Carolina Virtual or Live Cost: \$750 per person. If you are signing up for two or more people, the cost is \$650 per person.

Go to worldclassmaintenance.org for more information. You'll also find free, downloadable resources at worldclassmaintenance.org with no email required.

Connect with us on social media: Email: <u>rsmith@worldclassmaintenance.org</u> LinkedIn: <u>Ricky Smith, CMRP, CMRT, CRL</u> Twitter: <u>@RickySmithCMRP</u> Facebook: <u>World Class Maintenance Inc.</u>





412 Simms School Road Central, SC 29630 864-722-3086

Attendee Registration Cost: \$750.00 USD Workshop: _____ PM Best Practices plus PM Optimization Workshop Date: <u>October 19-21, 2020</u>

Attendee Information

Attendee Name:	

Position: _____

Email: _____

Company Name: _____

Address: _____

Purchase Order: ___ Check: ___ Credit Card ___

PO #: _____

Email this document to rsmith@worldclassmaintenance.org