METRIUS / WORLD CLASS MAINTENANCE

COST
$950.00
USD

3 Days Intensive Learning with Ricky Smith, CMRP

MAINTENANCE TECHNICIAN BEST PRACTICES

Virtual (Zoom) and Live at **Southern Wesleyan University,** Central, SC

4 miles from Clemson, SC and 30 Minutes from Greenville/Spartanburg Airport AirportAirport

DATES	LOCATIONS
22-24 Feb	Classroom Training at SWU, South Carolina & Live Online
26-28 Apr	Classroom Training at SWU, South Carolina & Live Online
26-28 July	Classroom Training at SWU, South Carolina & Live Online
11-13 Oct	Classroom Training at SWU, South Carolina & Live Online

Email: register@metriusglobal.com | Phone: +1 (920) 389-1975

COURSE OVERVIEW

Maintenance Technician Best Practices will provide any organization proven methods and concepts to help their organization obtain a highly level of Maintainability and Reliability.

This is an interactive training course covering Maintenance Technician Best Practices as proven by the best Maintenance organizations in the world. The objective of this program is to equip participants with Known Maintenance and Reliability Best Practices (World Class Maintenance) along with Maintenance Technician Best Practices which will provide technicians with knowledge which will better prepare them for to transition any Maintenance Organization to a highly level of effectiveness and efficiency.

Known Best Maintenance Repair Practices will be defined and demonstrated, along with numerous "hands on exercises) to enhance learning, and attendees will work in groups on real-world issues in each functional area in maintenance and reliability allowing learning from the instructor and fellow attendees.

This workshop used multiple exercises to enhance the training experience.

What "you" should expect to take away from this training

- Better understanding of Maintenance and Reliability Best Practices and how to apply in any organization.
- Knowledge of Maintenance Best Technician Practices
- A simple plan one can implement when they return.
- Feel pride in your Maintenance Work through the knowledge one has gained.
- Less stress through new knowledge and skills gained.

… and so much more

WHAT SHOULD "YOUR LEADERSHIP" EXPECT TO SEE WHEN YOU RETURN?

01

A more confident professional based on knowledge gained in the training.

02

A simple plan with "quick wins" and long-term sustainment

03

A simple but effective Maintenance Dashboard which can be implemented.

04

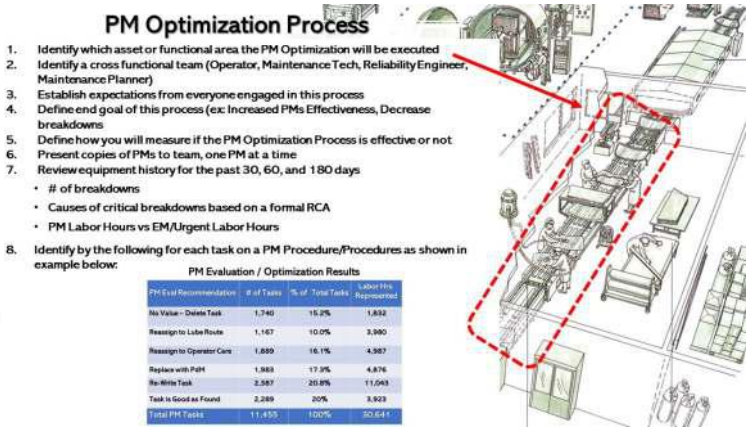
Procedure Templates and other items which can be used upon return.

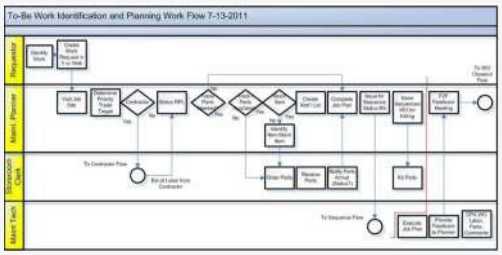
WORKSHOP OBJECTIVES

- Learn what are Known Maintenance and Reliability Best Practices and their alignment with Known Maintenance Technician Best Practices and how to apply in any organization.
- Review what is “World Class Maintenance”, workflow, attributes, and benchmarks.
- Develop Maintenance Leading and Lagging KPIs for any Organization and learn how to create Maintenance KPI Dashboards

PM Compliance	# Breaks to PM Schedule	PM/PdM Yield	PM/PdM Overdue	#PMS Evaluate	#PMS Optimized	EM/Urgent Labour Hours	PM Hrs.	PM Cost
100%	13	7	42	0	7	234	48	$3K
SMRP		SMRP						SMRP

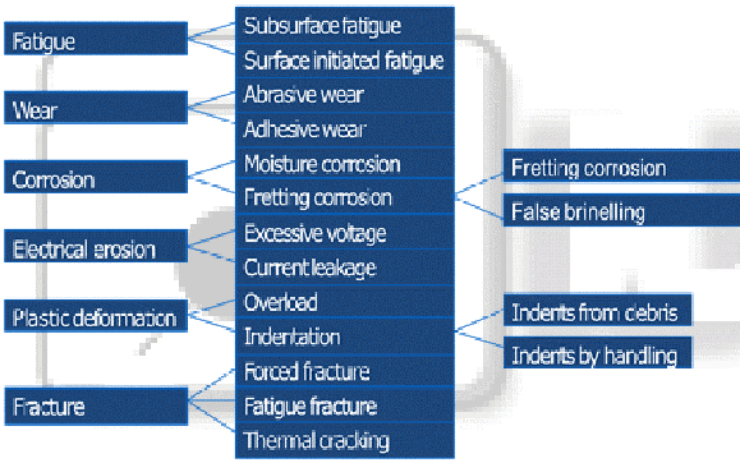
- Identify where Proactive Work comes from and why it is critical to success in any Maintenance Organization.
- Define what is Preventive and Predictive Maintenance and how they impact proactive maintenance.
- Learn how to perform a PM Optimization Process at your site.





- Learn why a Maintenance Planning and Scheduling Process Map is so critical to optimization of wrench-time.

- Define Failures Modes for Specific Components and Assets
- How to transition Technicians and Production Leadership to Proactive Maintenance believes and attributes.



METRIUS

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DAY 1: MAINTENANCE AND RELIABILITY

Maintenance and Reliability Overview

- Definition of Maintenance
- Definition of Reliability
- What does “World Class Maintenance” look like and where was it created?
- World Class Maintenance Benchmarks
- Maintenance Leading and Lagging KPIs
- Work Identification
- Definition and expectations from PM and PdM
- The PF Curve and How does it Work.
- Repeatable Procedures
- Repeatable Procedure Exercise
- The RACI Model to define Roles and Responsibilities.
- RACI Exercise

Preventive Maintenance

- Failure Modes and how to manage and mitigate them
- Developing and Managing a PM Program/Process
- Steps required to develop an Effective PM Program
- Writing a Repeatable/Effective PM Procedure
- Preventive Maintenance Roles and Responsibilities (RACI)
- Managing a PM Program
- Preventive Maintenance Leading and Lagging KPIs
- 14 Steps of a PM Optimization Process
- How to Manage a PdM Program
- Preventive Maintenance Exercise
- CMRP Practice Test

Predictive Maintenance (PdM) / Condition Monitoring (CBM)

- Definition of PdM and CBM)
- The Objective of PdM / CBM
- Vibration analysis
- Ultrasonic analysis
- Infrared analysis
- Oil analysis
- Laser-shaft alignment
- Motor circuit analysis
- Non-Destructive Testing
- Day 1 Review
- 2 things you learned today.

COURSE CURRICULUM

DAY 2 - WORKFLOW PROCESSES

- World Class Maintenance (Alumax Mt Holly – John Day PE, one of the founding members of SMRP)

Maintenance Planning

- Maintenance Planning Definition
- Maintenance Planning Workflow
- Maintenance Planning Leading and Lagging KPIs
- Maintenance Planning Roles and Responsibilities

Maintenance Scheduling

- Maintenance Scheduling Definition
- Maintenance Scheduling Workflow
- Maintenance Scheduling Roles and Responsibilities (RACI)
  - Maintenance Planning and Scheduling Exercise

Work Execution

- Work Execution Definition
- Work Execution Leading and Lagging KPIs
- Work Execution Roles and Responsibilities (RACI)

Work Order Closeout

- Work Order Close Out Definition
- Work Order Close Out Leading and Lagging KPIs
- Work Order Close Out Roles and Responsibilities (RACI)

Maintenance Dashboards

- Objective of Maintenance Dashboards
- Maintenance Dashboard Fundamentals
- Steps to Creating a Maintenance Dashboard

Why Use Best Maintenance Repair Practices?

- Human Induced Failures
- Repeatable Procedures
- Maintenance Skills Assessment
- Safety First, Safety Always

Parts and their Failure Modes

- Bearings
- Electrical Devices
- Chain Drives
- Centrifugal Pumps
- Hydraulic Pumps
- Control Valves
- Couplings

Components and their Failure Modes

- Dust Collectors
- Fans, Blowers
- Gears and Gearboxes
- Lubrication

Hydraulic Systems

- Pumps
- Reservoirs
- Filtration
- Control Valves

COURSE CURRICULUM

DAY 3 – BEST MAINTENANCE COMPONENT PRACTICES

- How to Prepare for the CMRT (Certified Maintenance and Reliability Technician) Exam
- Lubrication Best Practices
- Maintenance of Electrical Devices
- Maintenance of Hydraulic Systems
- Maintenance of Large Motors
- **Exercise:** Day in the Life of a Proactive Maintenance Technician
- **Exercise:** Day in the Life of a Proactive Maintenance Planner
- **Exercise:** Day in the Life of a Proactive Maintenance Supervisor

Final Exercise

Creating a Plan to transition your organization to a higher level of reliability and maintainability

If you would like to attend see the next page for the registration form or if you have questions of need more information send an email to rsmith@worldclassmaintenance.org

HOW TO REGISTER?

Course Fee

Workshop Only	USD $950.00
Workshop plus CMRT Exam	USD $1550.00

3 Ways to Register

E: register@metriusglobal.com
T: +1 (920) 389-1975
W: https://metrius.academy/

In-House

If interested to run this course in-house please contact us at:

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