

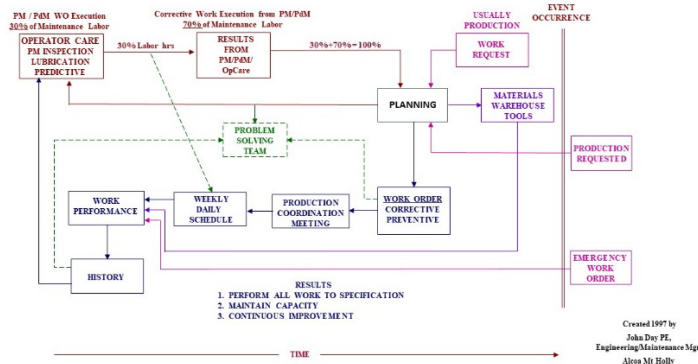
Maintenance Planning and Scheduling

“Learning through Hands-On Exercise and Knowledge Sharing”

Designed by Ricky Smith CMRP, CMRT, CRL

What you can expect to learn?

➤ World Class Maintenance Model



- World Class Maintenance Practices and how P&S impacts this process
- World Class Maintenance Planning and Scheduling Model
- Maintenance Planning and Scheduling Guiding Principles
- What is Wrench-time and how it impacts Asset Reliability
- Proactive Maintenance Planning and Scheduling Workflow Model
- Proactive Planning and Scheduling Metrics
- How to transition from to current state to a more Proactive Planning and Scheduling Process
- How to use Leading and Lagging Metrics/KPIs to manage and optimize Maintenance Planning and Scheduling
- Attributes of Maintenance Planning and Scheduling
- Attributes of Proactive Planning
- Attributes of Proactive Scheduling
- How to create a Maintenance Strategy (PM/PdM/RTF)
- How to use Asset Criticality / Defect Severity for Maintenance Scheduling
- Proactive Kitting Process
- Managing Maintenance Storeroom
- How to Manage Change
- Create a Master Plan, with timeline for Proactive Maintenance Planning and Scheduling Implementation
- How to create a Leading and Lagging Metrics Dashboards
- How to Define Roles and Responsibilities in any organization to align everyone's vision of success in Maintenance Planning and Scheduling

Training Schedule

Day 1: Maintenance Planning and Scheduling Overview

- ❖ Instructor and Attendee Introductions
 - ❖ Expectations from training
 - ❖ Expectations from each attendee
 - ❖ Expectations from instructor
 - ❖ Daily Training Schedule
 - ❖ Proactive Maintenance Workflow Model/Process
 - ❖ Definition of:
 - Maintenance
 - Reliability
 - Preventive Maintenance
 - Predictive Maintenance / Condition Monitoring
 - Maintenance Planning
 - Maintenance Scheduling
 - Wrench-Time
 - Work Identification
 - ❖ What does “World Class Planning and Scheduling look like
 - ❖ Maintenance Planning and Scheduling Guiding Principles
 - ❖ Planning and Scheduling Leading and Lagging KPIs
 - ❖ How to use Asset Criticality and Defect Severity to Schedule Maintenance
 - ❖ Definition and expectations from PM and PdM
 - ❖ Failure Modes and how to manage and mitigate them
 - ❖ Developing and Managing a Maintenance Planning and Scheduling
 - Planning and Scheduling Workflow Process
 - Steps required to develop an Effective Planning and Scheduling Program
 - Writing a Repeatable/Effective Procedure
 - Planning and Scheduling Roles and Responsibilities (RACI)
 - Managing Planning and Scheduling Program
 - Maintenance Planning and Scheduling Leading and Lagging KPIs
 - ❖ Developing and Managing an effective Planning/Scheduling process
 - ❖ Day 1 Review
 - ❖ 2 things you learned today
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Day 2: Maintenance Planning and Scheduling Process

- ❖ Review of Day 1
- ❖ World Class Maintenance (Alumax Mt Holly – John Day PE)
- ❖ Developing an effective Maintenance Planning process
 - Maintenance Planning Definition
 - Maintenance Planning Workflow
 - Maintenance Planning Leading and Lagging KPIs
 - Maintenance Planning Guiding Principles

- ❖ Developing an effective Maintenance Scheduling process
 - Maintenance Scheduling Definition
 - Maintenance Scheduling Leading and Lagging KPIs (RACI)
 - Maintenance Scheduling Roles and Responsibilities
 - 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)
 - ❖ Failure Reporting, Analysis, and Corrective Action System (FRACAS)
 - What is FRACAS
 - FRACAS Process
 - Expectations from FRACAS
 - ❖ Best Maintenance Repair Practices
 - ❖ How to write a Repeatable Procedure
 - ❖ Day 2 Review
 - ❖ 2 Things one learned from today
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Day 3 – Maintenance Planning and Scheduling

- ❖ Maintenance Planning and Scheduling Best Practices (World Class Maintenance Model)
 - ❖ Maintenance Planning and Scheduling Process Mapping
 - ❖ Maintenance Parts managements impact on Planning
 - ❖ Maintenance Repeatable Procedure Writing Exercise
 - ❖ Maintenance Planning Exercise
 - ❖ Maintenance Scheduling Exercise
 - ❖ Maintenance Work Order Process
 - ❖ Maintenance Scheduling Guiding Principles
 - ❖ Maintenance Scheduling KPIs / Metrics
 - ❖ Step by Step designing and implementation/Optimization of a Proactive Maintenance Planning and Scheduling Process
 - ❖ Managing Change
 - ❖ Planning and Scheduling Optimization/Implementation plan with KPIs
 - ❖ Maintenance Planning and Scheduling Final Exercise
 - ❖ Recap of last 3 days
 - ❖ Creation of an action plan for when you return
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For more information: rsmith@worldclassmaintenance.org