



MP2 Advanced - Planning and Scheduling

3 Days

Objectives

Participants will be given the knowledge and skills required to create and apply a successful maintenance plan for their entire organization based on MP2 data.

Workshop Description

Hands-on course focused mainly on practice exercises using actual facility data.

The following elements of Maintenance Planning are included:

- ❖ Differences between Maintenance Planning and Maintenance Scheduling
- ❖ How equipment failures, failure patterns and criticality are used to determine Maintenance Strategy
- ❖ Understanding the importance of, and how to select, appropriate maintenance strategies
- ❖ Creating and using Standardized Operating Procedures (SOP's) to improve consistency
- ❖ Value of an Annual Maintenance Plan and how it relates to daily maintenance activities
- ❖ Performance measures (KPI's) necessary to evaluate and optimize Maintenance Plan

Who Should Attend?

Maintenance professionals interested in learning Maintenance Planning industry best-practices techniques that can immediately be applied at their own organization.

Prerequisites

MP2 Complete

Sample Schedule

The workshop runs 3 Days as follows:

Day 1

- ❖ Maintenance Strategy
- ❖ Designing a PM Program
- ❖ What is an SOP
- ❖ What is the difference between Planning and Scheduling
- ❖ Annual Work Plan

Day 2

- ❖ Implementing the Annual Plan
- ❖ Planning Day to Day Work
- ❖ KPIs used to monitor and evaluate plan
- ❖ PM Audits
- ❖ PM Reviews

Day 3

- ❖ Planner's Workbook
- ❖ Participants will design their own cheat sheet and develop a Planner's workbook.
- ❖ The following questions are meant as a coaching tool.

1. The role of the Planner is _____.

a. What is the kind of information:

- i. _____
- ii. _____

2. Labor capacity is _____

a. Labor capacity is important to know because:

- i. _____
- ii. _____

b. What information is needed to calculate labor capacity

- i. _____
- ii. _____
- iii. _____

c. How do you calculate labor capacity

- i. _____
- ii. _____

d. Calculation of available hours is:

i. Total available hours per person per year is:

ii. _____

1. Example 40 hours per week x 52 weeks = 2080
2. Daily non-productive time is 2 hours per day or 520 hours per year
3. Vacation is 80 per year
4. Sick time is 24 hours per year
5. Total available hours are 2080-520-80-24=1456



- 3. Parts availability "need to knows" are:
 - i. _____
 - ii. _____

- 4. For scope of work, information needed to know is:
 - a. Time estimate to do the job which is provided by the Maintenance Supervisor
 - b. Scope of work includes:
 - i. _____
 - ii. _____

5. The annual plan is important because

- a. Pitfalls in developing an annual plan are:
 - i. ___
 - ii. ___

b. What are the elements needed to know to develop an annual plan?
For example: I have 5 cranes that need the same maintenance which takes me 1 hour to do every month. Work plan hours would be 5 x 1 x 12 or 60 hours per year.)

- i. ___
- ii. ___

- 1. Information needed to do annual plan is:
 - a. _____
 - b. _____

c. The difference between an annual plan and a daily plan is

d. Calculations for annual plan:

e. Calculations for daily plan:

SCHEDULING

The things you need to consider when scheduling PMs for the year are:

- 1. _____
- 2. _____

Scheduling is completed:

- 1. _____
- 2. _____

Considerations in yearly scheduling are

- 1. _____
- 2. _____

Considerations in monthly and weekly scheduling are:

- 1. _____
- 2. _____

Additional considerations in daily scheduling that are in addition to the ones in monthly/weekly scheduling are:

- 1. _____
- 2. _____

Calculations needed to know:

Name of Calculation	Calculation