

Asset Management Improvement Best Practice Series

# MAINTENANCE PLAN DEVELOPMENT (OMM)

## What is it all about?

Asset Management is a strategic function of an organisation that ensures the highest level of plant performance. At the heart of this function is the Maintenance Plan that consists of a large amount of maintenance tasks. Tasks that must manage the inherent failure modes of all your equipment.

The OMM methodology was developed by PRAGMA with the specific objective of assisting companies to develop the tactical maintenance plan for their plant. A plan that consists of the optimum mixture of preventive, predictive, pro-active and reactive tactics so as to ensure the highest overall equipment effectiveness at optimum cost; A program that will turn the maintenance function into your organisation's competitive advantage to gain World Class Competitiveness.

This course covers all the best practices of modern maintenance tactics. It will empower you to develop a tactical maintenance plan for your organisation by applying the practical and structured OMM approach.



## Who should attend?

- Asset & Maintenance Managers
- Maintenance & Production Engineers
- Production or Operation Managers
- Engineering Planners
- People who want to improve the performance of their physical assets to optimise the return on their capital investments.

## Format

- Public Training - scheduled at all major cities across Southern Africa
- On-site Training - anyplace, anywhere



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# COURSE OUTLINE

## Modules covered in this 3 day intervention:

### The changing world of Maintenance

First to fourth generation practices; Challenges facing asset managers

### Strategy Development

Developing an Asset Management Strategy; Strategy Maps; Balanced Scorecards for Asset Management introduction

### Performance Management

What influence the performance of assets?; How do we measure the performance of assets? What to measure

### Autonomous Maintenance

What is TPM & Autonomous Maintenance; The need for Autonomous Maintenance; Benefits & Barriers; The new operator & artisan; Autonomous Maintenance implementation

### Problem Solving

Root Cause Analysis; 5 Why's; 6 M's

### Failure Behaviour

How components/systems fail; Failure Modes and Effect Analysis; Assessing Criticality; Consequences; PF intervals; Probabilities of failures

### Tactical options

Tactical Maintenance: 1. Condition-based; 2. Usage-based; 3. Run-to-Failure; 4. Design Improvement

### Availability Modelling

Estimating Availability; Reliability Block diagrams

### Criticality Analysis

Significant Item Selection; Pareto Principle; Consequence Tables;

### Criticality Analysis

Implementation & Execution  
1. Significant Item Selection  
2. Availability Modelling  
3. Failure Analysis  
4. Tactic Selection  
5. Task Detail Development  
6. Task Implementation  
7. Maintenance Plan Execution

### The OMM Game

Put your knowledge to the test and show how good you can manage your maintenance function! Playing the OMM game, the seven implementation steps and the importance of choosing the right tactic for each application are identified in a practical and fun way.

### Maintenance Plan Management

Management of your Maintenance Plan; Measuring the effectiveness of your Plan; Essential Business Processes for Asset Management; Continuous Improvement of your Tactical Maintenance Plan

## What makes it different?

PRAGMA's OMM utilises powerful principles of reliability maintenance in a structured and practical format. This course aims to:

- **develop the most cost effective tactical maintenance plan** by applying the 7 step OMM methodology
- **avoid the analysis paralysis trap** with criticality analysis and applying the 80/20 principle to maximise the initial benefit and then add to the system through continuous improvement according to world class principles
- **establish world-class asset management best practices** within your organisation
- **develop effective root cause analysis capability** within the asset management function
- **develop essential knowledge management capability** to ensure sustainable improvement

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