

Autonomous Maintenance 7 Steps Operators Journey to Empowerment

Autonomous Maintenance 7 Steps – Operators Journey to Empowerment



Training Package Includes:

- 1 Complete Handouts on the course
- Selected Articles on AM
- Exercises and Handouts on RCFA
- CD Copy of AM Training per Delegate
- Certificate of completion

Who Should Attend:

- Operators and Maintenance Managers
- Production Operators
- Preventive Maintenance Group
- Predictive Maintenance Groups
- Reliability Engineers and Managers
- Maintenance Planners
- People in charge of Lubrication
- Operations and Production Supervisors
- Management and Decision Makers
- TPM Office and Facilitators
- Continuous Improvement Groups



About the Resource Speaker

Rolly, is a seasoned international reliability and maintenance consultant with 23 years of experience in the field. He had been invited in different countries and have conducted reliability and maintenance trainings in India, Kuala Lumpur, Indonesia, Nigeria and Bangladesh. His portfolio of maintenance trainings include Maintenance Management courses such as Total Productive Maintenance (TPM), Lubrication and Tribology, Condition-Based Maintenance, Reliability-Centred Maintenance (RCM), Root Cause Failure Analysis, Planned Maintenance, World Class Maintenance Management, The 12 Disciplines, Oil Contamination Control, Maintenance Indices and KPI's, Maintenance Management System and much more. Rolly previously worked with Amkor Technology Philippines. As a TPM Senior Engineer, an industry engaged in the manufacture of Integrated Circuit products and spearheaded their Planned Maintenance organization compose of maintenance managers and engineers. He was responsible for the dramatic reduction of unplanned breakdowns in their TPM Journey as well as RCM implementation on their Facilities Air Handling Units and as well as their sub-station equipment. Rolly is currently working as an independent reliability and maintenance consultant. He had released his first book on World-Class Maintenance Management - The 12 Disciplines a book that makes every maintenance feel proud that they belong to the maintenance function.

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Brief Course Overview

- This course shows the importance and benefit of introducing an Autonomous Maintenance program and what it will achieve if correctly applied in the workplace.
- Autonomous Maintenance is the activities in which each worker performs daily cleaning, lubrication, inspection and parts replacement in order to establish Basic Equipment Condition
- This course tells us the importance that Autonomous Maintenance is not just the transfer of task to operators but teaching operator that their responsibility does not end from just operating the machine itself Autonomous Maintenance is changing the mindset of operators from the traditional I fix you operated to we operators take care of our equipment together

AM Course Objective

- To provide an overview and awareness on the benefits that can be derived in implementing Autonomous Maintenance
- Understand the detailed step by step approach in implementing Autonomous Maintenance pillar
- To develop reliable manufacturing assets through involvement of all shop floor people in a structured and detailed step
- To develop an in house Autonomous Maintenance people that will drive the implementation of the pillar in their plant
- Understand the role of maintenance in developing their Autonomous Maintenance Pillar



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Autonomous Maintenance Day 1

- 0830 - 0830 - Take AM Pre IQ Quiz
- 0830 - 1000 - **Module 1 : TPM Overview**
 - Getting the edge with TPM
 - TPM Basic Concept & TPM Pillars
 - Operators and Maintenance – Industry partners for life
 - Importance of Autonomous Maintenance in improving the reliability of equipment
- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1100 - Continue Module 1
- 1100 - 1200 - **Module 2 : AM Overview**
 - Typical operator's culture
 - Concept of Autonomous Maintenance
 - Establishing Basic Equip Condition
 - Skills operators need
- 1200 - 1300 - **Lunch**
- 1300 - 1500 - **Module 3 : Step 0 : Basic Training & Preparation**
 - Understanding Basic Machine Function
 - Maintenance guidance for Autonomous Maintenance activities
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1630 - **Module 4 : Step 1 : Perform Initial Cleaning**
 - Importance of Cleaning the machine
 - Understanding abnormalities
 - Types of Contamination
 - Step 1 Flow of Activities
- 1630 - 1700 - Exercise on types of Abnormality

Autonomous Maintenance DAY 2

- 0830 - 9000 - **Module 5 : Visual Control In The Workplace**
 - Samples of Visual Control
- 0900 - 1000 - **Module 6 : Step 2 : Address Sources of Contamination**
 - Improving Hard to access areas
 - Different types of Contamination
 - Step 2 Flow of Activities

- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1100 - Continue Module 6
 - Take quiz on Types of Contamination
- 1100 - 1200 - **Module 7 : Basics of Lubrication & Contamination Control**
 - Understand how oil is contaminated
 - Contamination Control Awareness
- 1200 - 1300 - **Lunch**
- 1300 - 1400 - Continue Module 7
- 1400 - 1500 - **Module 8 - Step 3 : Establish Equipment Standards**
 - Types of standards
 - Step 3 Flow of Activities
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1700 - **Module 9 - Step 4 : Develop General Equipment Inspection Procedures**
- 1700 - **End of Seminar on AM1**

Autonomous Maintenance Day 3

- 0830 - 1000 - **Module 10 : Step 5 : Conduct General Equipment Inspection Autonomously**
 - Finalize inspection process
 - Step 5 Roadmap of Activities
- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1200 - **Module 11 : Step 6: Manage Systematic Autonomous Maintenance in their Workplace**
 - Developing 5s in the workplace
 - Step 6 Roadmap of Activities
- 1200 - 1300 - **Lunch**
- 1300 - 1400 - **Module 8 - Step 7 : Achieve Empowered Autonomous Maintenance in the Workforce**
 - Achieving an empowered workforce
 - Step 7 Flow of Activities
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1600 - Workshop and Exercise
- 1600 - 1700 - Take final IQ Quiz on AM
 - Closing Remarks