



SEMINAR TITLE : Understanding TPM's Autonomous Maintenance (Jishu-Hozen Step's 1 to 3) - Part 1

Seminar Package Includes

- Morning / Afternoon meals and Lunch
- Complete Handouts on the course
- Articles on Condition-Based Maintenance
- Exercises and Handouts
- Certificate of completion

Who should attend ?

- This course is best suited for those who lead or influence the direction and success of their manufacturing plants including Maintenance Managers / Supervisors, Production Managers / Supervisors, Facilities Managers Key shop floor personnel, those in charge of Continuous Improvement Programs in their Plants, Reliability and Improvement groups, Key people who have the authority or leadership to drive the day to day process for improving their plant's reliability & performance Managers who sees continuous improvement programs as the key to industries survival



- Rolly Angeles is a seasoned technical trainer His portfolio of technical trainings includes TPM, Reliability-Centred Maintenance, Oil Analysis, Condition-Based Maintenance, P-M Analysis, Planned Maintenance, World Class Maintenance Strategies & many more
- Rolly previously worked with Amkor/Anam a multi-national company engaged in the manufacture of IC products and spearheaded Amkor's Planned Maintenance Organization composed of Maintenance Managers. He was responsible for the dramatic reduction of breakdowns in their TPM Journey as well as RCM implementation on Facilities AHU and Sub-stations
- Nominated as Key Technical Person in 1998 Rolly hails from Mapua Institute of Technology Batch 85', a licensed mechanical engineer, he brings with him a wide range of experience on best maintenance practices
- Our mandate is to elevate the knowledge of industries by sharing and adopting the best maintenance practices and the application of advance continuous improvement practices





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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 OPERATE to WE OPERATORS TAKE CARE OF OUR EQUIPMENT

What you will learn ?

- Provide an understanding on what TPM is
- Know the different Visual Control that can be adapted in the workplace
- Understand how oil is contaminated and how to control contamination at its source
- Understand the importance of Initial Cleaning and the need to expose abnormalities
- Understand how to implement the details of Step's 1 to 3 of Autonomous Maintenance
- Learn the different types of abnormalities and contamination at the workplace

And much, much more !!!

illuminate

the possibilities...



Autonomous Maintenance

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 the 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 importance of establishing Basic Equipment Condition



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Program Proper

DAY 1

- 0745 - 0815 - Coffee and Registration
- 0815 - 0830 - Take AM IQ Quiz
- 0830 - 1000 - **Module 1 : TPM Overview**
 - Getting the edge with TPM
 - TPM Basic Concept
 - TPM 8 Pillars and goals
 - OEE Measurement
 - JIPM Certification
- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1100 - Continue Module 1
- 1100 - 1200 - **Module 2 : AM Overview**
 - Concept of Jishu-Hozen
 - Establishing Basic Equip Condition
 - Skills operators need
- 1200 - 1300 - **Lunch**
- 1300 - 1500 - Exercise on why-why analysis
 - **Module 3 : Step 0 : Basic Training & Preparation**
 - Understanding Basic Machine Function
 - PM Guidance to Jishu-Hozen
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1630 - **Module 4 : Step 1 : Initial Cleaning**
 - Goal of Step 1
 - Importance of Cleaning
 - Types of Contamination
 - Step 1 Flow of Activities
 - Horizontal Replication
- 1515 - 1700 - Exercise on types of Abnormality
- 1700 - End of Day 1

DAY 2

- 0745 - 0815 - Coffee
- 0815 - 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
 - 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 : AM Basics of Lubrication & Contamination Control Awareness**
 - Understand how oil is contaminated
 - What contamination can do ?
 - 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 - 1600 - Exercise
- 1600 - 1700 - Take final IQ Quiz on AM
 - Closing Remarks
- 1700 - End of Seminar on AM1**