



# Autonomous Maintenance 7 Steps To Operators Journey to Empowerment

June 27, 28 to 29, 2011, El Cielito Inn, Sta. Rosa, Laguna, Philippines

## Training Package Includes:

- 1 Complete Handouts on the course
- AM/PM and Lunch included
- Selected Articles on AM
- Exercises and Handouts on AM
- CD Copy of AM Training per Delegate
- Certificate of completion
- Roadmap of Activities per Step
- WCM Book

## 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, Malaysia, Indonesia, Nigeria and Bangladesh. His portfolio of maintenance trainings include Maintenance Management courses such as Total Productive Maintenance, Lubrication and Tribology, Condition-Based Maintenance, Reliability-Centered 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 substation equipment. Rolly is currently working as an independent reliability and maintenance consultant. Rolly 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.



**Autonomous Maintenance Master Class**  
Team Energy, Pagbilao, Quezon, March 2011

**ENROLL NOW !**

**049-837-07-64**

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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. Maintenance can only escape the viscous cycle of being reactive if operators partner with them in improving the reliability of their equipment.

## 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
- To enable operators to understand that maintenance is a shared responsibility for both the operators and maintenance function

Long term benefits of Autonomous Maintenance to plant equipment especially with an ageing plant like Pagbilao as well as to the plant operators. Autonomous Maintenance can improve or will help improve operator skills in equipment monitoring and maintenance. From Eric Salvacion, Shift Manager, Team Energy Corporation, Pagbilao

Learnt how to properly monitor and maintain equipment and raise the knowledge of operators in maintaining their machines. Learnt how to document and create a super A type of operators. From A. Galang, Shift Supervisor, Team Energy Corporation, Pagbilao

There were no dull moments during the 3 days training on Autonomous Maintenance. Technical learning's were more strengthened and clearly understood through easy to relate stories, videos and clips. I wish that a time will come when people in the workplace will all think and do like this. From Jun Sainz, Coal Superintendent, Team Energy Corporation, Pagbilao

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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

- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1100 - Continue Module 6
  - Take quiz on Types of Contamination
- 1100 - 1200 - **Module 7 : Basics of Lubrication and 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 AM Day 2**

## 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 12 - 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

## 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

ENROLL NOW !

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## Training Investment Costs:

Costs include WCM Book

- 1 Delegate: Php 23,000.00 + 12% VAT
- 2 Delegates: Php 45,000.00 + 12% VAT
- 3 Delegates: Php 63,000.00 + 12% VAT
- 4 Delegates: Php 82,000.00 + 12% VAT
- 5 Delegates: Php 100,000.00 + 12% VAT

This book is available only through RSA Reliability and Maintenance Consultancy Firm only.

## Payment Procedure and Policy:

- Payment can only be accepted through cash or check basis. For payments in check kindly Pay to RSA Reliability and Maintenance Consultancy Firm. Kindly complete the name of the firm on the check.
- An Official Receipt will be provided after issuance of complete payment for this event.
- Payment should be done during registration, kindly advise the delegates to carry with them the payment for this training. To avoid future problems on our part. No payment, No entry policy would be enforced on this seminar workshop.
- 2% tax will be deducted provided industry joining the event to provide BIR form 2307 together with the payment

## How To Register for this Event:

Step 1: Send us an email on the following:

- Full Name of Delegates: (FN, MI, LN)
- Position or Designation / Department
- Name of Industry
- Type of Industry
- How is payment to be made Cash or Check

Step 2: Once we have confirmed the names of those you will send, we will provide a confirmation email.

## Cancellation, Postponement Policy

- For delegates who will not complete the duration of the training seminar and workshop, RSA Reliability and Maintenance Consultancy Firm will offer no refunds regarding this matter, certificates of attendance will only be provided to those delegates that will complete the three day seminar and workshop
- In the event that the seminar will be cancelled as a result of unforeseen events such as Acts of God or other uncontrolled reasons, RSA Reliability and Maintenance Consultancy Firm shall assume no liability whatsoever in the event this seminar and workshop be cancelled, postponed, move or rescheduled due to this fortuitous and unforeseen event.
- In case of a low turn out of delegates for this event, RSA Reliability and Maintenance Consultancy Firm reserves the right to cancel the event. An email will be sent to concerned parties regarding the cancellation.
- In the event you would like to cancel your participation in this seminar, kindly send us an email one week before the event is due. If you have made an advance payment and your delegates did not attend and have not informed us one week before the event, you will be charged with the full amount of the training fee.
- In case the delegate register for this event will not make it on this event, kindly notify us by email the changes in the name of the delegates.

## 100% Money Back Guarantee



- If for any reasons you were not happy or satisfied with the outcome of the training. Our small firm offers you **Unconditional 100% Payment Back** and you keep the WCM Book and all the materials provided during the training provided payment had been received during the registration period.