



## SEMINAR TITLE : World Class Maintenance Management - The 12 Disciplines

### 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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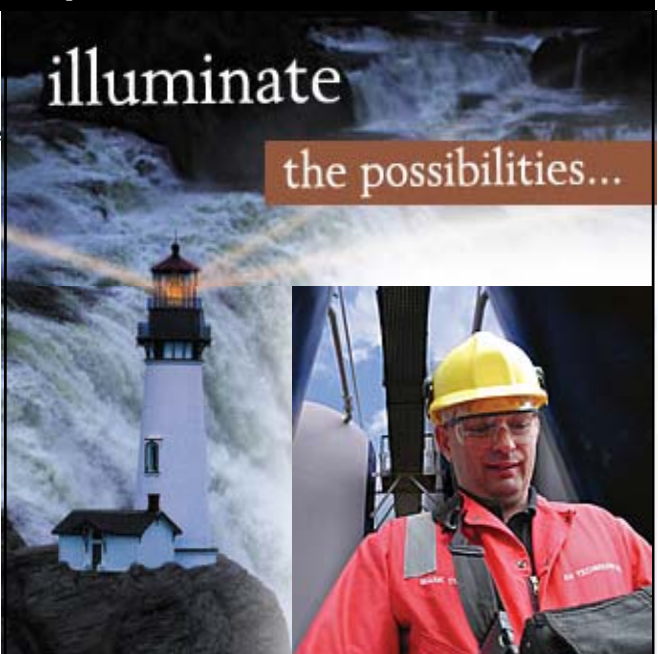
### **Brief Course Overview**

- Being World Class means the ability to compete anywhere in the world. World Class Maintenance Management simply means the art & science of managing maintenance resources performed by best in class industries from around the world. But in most industries, the question is often raised, is it really possible to control maintenance or the pressure over maintenance is controlling us
- This course provides a discussion on how failure occurs in 3 zones and why most of our efforts on maintenance only addresses one zone which is the wear out failures. This course also covers the 12 Discipline in order to improve equipment's reliability. These 12 Disciplines are categorized into 3, The Basics, The Strategies & Advance Discipline. Learn what these disciplines are that most World Class Companies perform

### **What you will learn ?**

- Understand the importance of performing the basic discipline before advancing to any advance continuous improvement efforts
- Understand what failure is and how it occurs and that not all parts will wear out as most maintenance professionals assumed
- Learn how World Class Maintenance People think and what are their priorities
- Know the important lessons to be learned from each of these disciplines

**And much, much more !!!**



## **World Class Maintenance Management - The 12 Disciplines**

### **Course Objective**

- Understand the need for an effective and World Class Maintenance Management structure in our plant
- Understand when to effectively use each of the different maintenance strategies in order to fully improve equipment's reliability
- Develop a Corporate Strategy for the maintenance function
- Provide a basic understanding on the 12 Disciplines of Maintenance Management
- Understand the real focus of a true & meaningful Maintenance Management Structure



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### DAY 1 : Program Proper

- 0745 - 0815 - Coffee and Registration
- 0815 - 0830 - Take Pre-post Test on World Class Maintenance
- 0830 - 0835 - Welcome and Introduction of resource speaker
- 0835 - 1000 - **Module 1 : Understanding Equipment Failures**
  - Changing The Way We Think About Failures
  - Three Types Of Failure Zone
  - Take Quiz : Determine The Type Of Failure
- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1200 - **Module 2 : Changing Our Maintenance Culture From Reactive To Proactive**
  - **Module 3 : Understanding World Class Maintenance**
    - Introduction to the 12 Disciplines
- 1200 - 1300 - **Lunch**
- 1300 - 1500 - **Module 4 : Basic Discipline**
  - Discipline 1 : Training & Skills
  - Discipline 2 : Measuring KPI's
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1700 - Discipline 3 : Setting -up Autonomous Maintenance
- 1700 - End of Day 1

### DAY 2 : Program Proper

- 0745 - 0815 - Coffee
- 0815 - 1000 - Discipline 4 : Addressing Basic Equipment Condition
  - Discipline 5 : Preventive Mtce
- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1130 - Perform Workshop on Basic Discipline

### DAY 2 : Program Proper

- 1130 - 1200 - Workshop Presentation
- 1200 - 1300 - **Lunch**
- 1300 - 1500 - **Module 5 : Maintenance Management Strategies**
  - Introduction
  - Discipline 6 : Spare Parts
  - Discipline 7 : Life Cycle Management
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1700 - Discipline 8 : Lubrication
  - Discipline 9 : Root Cause Failure Analysis
  - Discipline 10 : Reliability Improvement Initiative
- 1700 - End of Day 2

### DAY 3 : Program Proper

- 0745 - 0815 - Coffee
- 0815 - 1000 - Workshop On Maintenance Strategies / Presentation
- 1000 - 1015 - **Morning Break / Meals**
- 1000 - 1200 - **Module 6 : Advance Discipline**
  - Discipline 11 : Predictive Mtce
  - Discipline 12 : CMMS
- 1200 - 1300 - **Lunch**
- 1300 - 1500 - Continue discussion on Module 6 : Mtce Strategies
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1600 - **Module 7 : Principles Of Equipment's Reliability**
  - Take Post Quiz
  - Awarding of Certificates
  - Closing Remarks
- 1600 - 1700 - End of Seminar
- 1700 - End of Seminar