

## **SEMINAR TITLE : Optimizing Equipment's Reliability - Gearing From Reactive To Proactive Maintenance**

### **Seminar Package Includes**

- Morning / Afternoon meals and Lunch
- Complete Handouts on the course
- Articles on Optimizing Equipment Reliability
- Exercises and Handouts
- Certificate of completion

### **Brief Course Overview**

- OER is a method for improving the effectiveness of current maintenance programs and strategies.
- It starts with the existing maintenance program used within the plant. Working in cross-functional teams from the shop floor, the team identifies what type of duplication exists within their own environment and what elements of the current maintenance program are useful and what are inappropriate.
- Once this is completed, team establishes the most efficient & effective method for managing the maintenance of the asset.

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

- Why doing Preventive Maintenance is costly ?
- What does OER have to say on "Wear and Tear" principle and why we still remain reactive ?
- Why OER is much easier to apply than the traditional RCM ?
- Why is Condition-Based Maintenance more cost effective than traditional Preventive Maintenance ?
- Why do operations blame us on the issue that after a PM had been performed equipment does not run ?
- How to effectively select the best maintenance tasks for a specific maintenance function ?

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

illuminate

the possibilities...

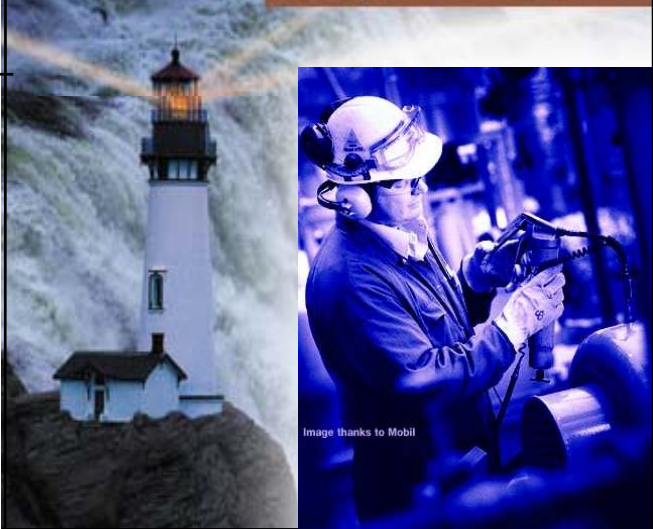


Image thanks to Mobil

## **Optimizing Equipment's Reliability**

### **Course Objective**

- Provide a deeper understanding on what it takes for our maintenance to be most effective and efficient.
- Realize that the best maintenance tasks will always be based on the consequences of the failure itself
- Compare the 2 approaches of RCM and OER and learn why OER will be much faster to complete
- Learn how to improve our current structure of Preventive Maintenance System
- Learn the 6 failure pattern & how it affects us in our day to day maintenance activities



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### **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

### **About the resource speaker**

- Rolly Angeles has a wide range of training capabilities 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 w/ Amkor/Anam and spearheaded Amkor's Planned Maintenance Organization composed of Maintenance Managers and 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 1998 A BSME graduate of Mapua batch 85' and Licensed ME, Rolly as he wanted to be called provides a wide range of experience on the best maintenance practices





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### Program Proper

#### DAY 1

- 0745 - 0815 - Coffee and Registration
- 0815 - 0830 - Welcome and Introduction of resource speaker
- 0830 - 0900 - Take OER IQ Quiz  
- Take Maintenance Survey
- 0830 - 1030 - **Module 1 : Changing The Maintenance Belief**  
- Domino effect of being reactive  
- Understanding the 6 failure pattern  
- Why preventive mtce is limited
- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1100 - **Continue Module 1**
- 1100 - 1200 - **Module 2 : Understanding The Different Mtce Task**  
- Understanding reactive maintenance
- 1200 - 1300 - **Lunch**
- 1300 - 1500 - **Continuation of Module 2**  
- Understanding Preventive Mtce  
- Understanding Predictive Mtce
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1600 - **Continuation of Module 2**  
- Understanding Proactive Maintenance
- 1515 - 1600 - **Workshop**
- 1700 - End of Day 1

#### DAY 2

- 0745 - 0830 - Coffee
- 0815 - 0900 - **Module 3 : Understanding when to use the different maintenance task**  
- Sample on Bearing
- 0900 - 1000 - **Module 4 : Consequences of Failure**
- 1000 - 1015 - **Morning Break / Meals**
- 1015 - 1100 - Exercise on Hidden / Evident Failures

#### DAY 2

- 1100 - 1200 - Exercise on the different consequences of failure
- 1200 - 1300 - **Lunch**
- 1300 - 1500 - **Module 5 : RCM Information Worksheet**  
- RCM Decision Worksheet Form
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515- 1700 - **Workshop on RCM Information Worksheet**
- 1700 - End of Day 2

#### DAY 3

- 0745 - 0830 - Coffee
- 0830 - 1000 - **Module 6 : Step by step approach to OER**  
- Prepare OER Information WS  
- Prepare OER Decision WS  
- Understanding Decision Diagram
- 1000 - 1015 - **Morning Break / Meals**
- 1100 - 1200 - **Continue Module 6**
- 1200 - 1300 - **Lunch**
- 1300 - 1400 - How to use the OER Decision Diagram or Algorithm
- 1400 - 1500 - **Module 7 : Benefits of OER**
- 1500 - 1515 - **Afternoon Break / Meal**
- 1515 - 1600 - **Module 8 : Principles of Equipment's Reliability**  
- New paradigm for Mtce
- 1600 - 16700 - Take OER Post Test  
- **Awarding of Certificates**  
- **Summary and Closing**
- 1700 - End of Seminar