

# Practical Best Maintenance Practices

Achieving a Culture of Reliability

September 29 to 30, 2011, El Cielito Inn, Sta. Rosa, Laguna, Phils.,



## To My Reliability and Maintenance Friends,

As we all know that the cost of Maintenance is generally much more than what it should be. Many techniques are rather talked about, learnt, planned and tried out but not much practiced maybe because it requires some discipline and detailed approach. With this in mind, I have designed this 2 days workshop to make you aware of what all maintenance systems and techniques are available which can be easily adopted to make your maintenance lean, productive and reliable by identifying and eliminating the wasteful practices. As the topic indicate, this will cover a wide range of maintenance practices which is a must for today's maintenance and hence will definitely reduce the cost of doing your day to day maintenance on your equipment and assets. It is a great pleasure to invite you all and to share and understand the best practices today in maintenance . Looking forward to seeing you. Rolly Angeles

### **Who Should Attend this Course**

- Decision Makers
- General Managers
- Project and Site Managers
- Engineering and Technical Services
- Maintenance Managers
- Facilities / Utilities Managers
- Preventive Maintenance Group
- Predictive Maintenance Groups
- Reliability Engineers and Managers
- Maintenance Planners
- Operations and Production Managers
- Management and Decision Makers
- Continuous Improvement Groups
- People in charge of their assets

### **Seminar Package Includes:**

- Morning / Afternoon meals and Lunch
- Complete Handouts on the course
- Selected Articles on Best Practices
- Exercises and Quizzes Best Practices
- Actual Case Studies
- Certificate of Attendance
- World Class Maintenance Book

### **If You Are Interested to Contact Us**

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Look for Marievic Angeles

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## Benefits of Attending this Training :

- **LEARN** how to make your maintenance department from a cost center to a profit center
- **UNDERSTAND** the different maintenance indices and KPI's you can use to track equipment reliability and prolong its life
- **APPLY** the actual application of Practical Best Maintenance Practices
- **AVOID** the most common lubrication errors and bearing failures
- **UNDERSTAND** what it takes to change the culture of the maintenance functions
- **LEARN** how to control your spare parts inventory
- **UNDERSTAND** the role operators play in improving equipment reliability
- **LEARN** the 6 major losses in manufacturing equipment and how to reduce them.
- **UNDERSTAND** the concept of both RCM and TPM and how to integrate them respectively
- **UNDERSTAND** how to effectively perform Root Cause Analysis and how deep our probe should be
- **FINALLY**, learn how to motivate the maintenance function in order to achieve a stage of World Class Maintenance Excellence

## Objective of this Course :

- Provide an understanding on practical best maintenance that can be applied to our equipment in order to improve equipment reliability
- Learn the basic principles and the different strategies that can be applied in maintenance
- Learn that in any maintenance improvement initiative, people and culture will play a very important function

## PBMP Master Class Photos



Practical Best Maintenance Practices Class  
Mumbai, India, May 19 to 20, 2010



Practical Best Maintenance Practices Class  
New Delhi, India, May 21 to 22, 2010



Practical Best Maintenance Practices Class

**ENROLL NOW !**



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### **DAY 1 : (Start 8:30 am to 5:00 pm)**

#### **1) Opening Session**

- Introduction and Workshop Objectives
- Common maintenance problems and their impact
- Modern maintenance challenges of today

#### **2) Practical Best Maintenance Practices**

- Different Maintenance Concepts and Strategies
- Practical Best Maintenance Practices concept, scope and benefits

#### **3) Maintenance Key Performances Indicators and Measurements**

- Reason for measuring performance in maintenance
- Understanding most common mean indicators MTBF, MTTF, MTBA and MTTR
- Important notes on Benchmarking

#### **4) Strategies to Reduce Equipment Losses**

- Understand the 6 Major Equipment Big Losses
- Relationship Between OEE and Equipment Losses
- Is Achieving 85% OEE on the equipment enough to be considered World Class
- Limitations of Overall Equipment Effectiveness explained

#### **5) Spare Parts Management**

- Understand Spare Parts Management
- Steps in improving your Spare Parts Management
- Practical Tips on Spare Parts Management

#### **7) Understanding Reliability-Centred Maintenance**

- Traditional Belief on Maintenance
- Learn the 7 Basic Questions on Classical RCM
- How to integrate RCM in the TPM process
- Practical Benefits of RCM

### **DAY 2 : (Start 8:30 am to 5:00 pm)**

#### **6) Understanding Total Productive Maintenance**

- Learn what TPM is all about
- Different pillars of TPM explained
- Practical Benefits of TPM
- Goals of each TPM Pillar
- Practical Tips on Total Productive Maintenance
- Comparing RCM and TPM respectively

#### **8) Preventive and Predictive Maintenance**

- The Concept of PM and when to use it
- When to Use Predictive Maintenance
- Limitations on the use of PM
- Common Predictive Maintenance Techniques
- Infrared Thermography

#### **9) Lubrication Management Strategy**

- Lubrication – the most neglected area on maintenance
- Basic Understanding on Lubrication
- Contamination – how to remove them in the Oil
- Difference between Nominal and Absolute Filtration
- Understanding Bearing Failures

#### **10) Understanding Root Cause Failure Analysis**

- Root Cause Failure Analysis Explained
- Evidence – lifeblood of Root Cause Failure Analysis
- How deep should our probe be in performing RCFA

#### **11) Operator's Role in Maintenance**

- The Concept of Autonomous Maintenance
- Importance of operators are important in maintenance
- Why Maintenance should always be a shared responsibility for both operators and maintenance

#### **12) Empowering the Maintenance Workforce**

- The Need to Change in order to improve bottom line results
- How to changing the maintenance culture
- Upgrading the Skills of the Maintenance function
- Practical Lessons Learned

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### Training Investment Costs:

#### Costs include WCM Book

- 1 Delegate: Php 18,000.00 + 12% VAT
- 2 Delegates: Php 35,000.00 + 12% VAT
- 3 Delegates: Php 51,000.00 + 12% VAT
- 4 Delegates: Php 68,000.00 + 12% VAT
- 5 Delegates: Php 84,500.00 + 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 from the total training cost provided industry joining the event will provide BIR form 2307 together with the payment during the registration period.

### 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.

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