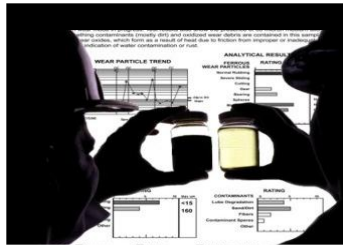
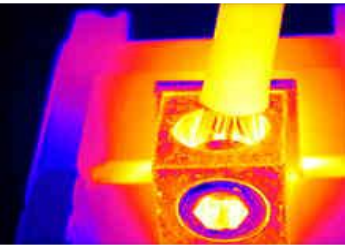


Predictive/Preventive Maintenance for Industries

September 22, 2021, Online Training – Microsoft Teams



Thermography

Oil Analysis

Vibration Analysis

Ultrasonics

Training Package Includes:

- Link to be provided on PdM/PM materials in ppt
- Lifetime access to RSA Reliability Newsletter
- 1 RSA book of your choice
- Certificate of Attendance to be given via email
- Quizzes and Exercises to be given online

Who Should Attend This Course :

- All Maintenance Professionals
- Maintenance Managers
- Maintenance Supervisors
- Lubrication Engineers and Technicians
- Facilities Managers
- Preventive Maintenance Group
- Predictive Maintenance and CBM Group
- Reliability Engineers and Managers
- Maintenance Schedulers and Planners
- Management and Decision Makers
- People in Charge of CBM
- Vibration and Thermographers

Brief Course Overview :

- This course shows the importance and benefits of a Condition-Based Maintenance (CBM) program. The benefits of such a program will be realized in greater equipment reliability and longevity while at the same time enhancing budgetary cost containment goals
- Operations and Maintenance will make a sound maintenance and operating decisions based on actual equipment performance rather than relying on the old standard of Time-Based maintenance intervals or even less desirable circumstance or waiting for the equipment to fail in service

About the Resource Speaker:

Rolly, is a seasoned international reliability and maintenance consultant with 29 years of solid experience in the field. He had been invited in different countries and have conducted reliability and maintenance trainings in United Arab Emirates, India, Malaysia, Indonesia, Nigeria, China, Brunei, Bangladesh, South Africa, Thailand, Botswana. His portfolio of maintenance trainings include Maintenance Management courses on TPM, Lubrication, Tribology, Condition-Based Maintenance, RCM, RCFA, Planned Maintenance, World Class Maintenance Management, The 12 Disciplines, Oil Contamination Control, Life Cycle Management, Maintenance Indices and KPI, Maintenance Management Strategies and much more. Rolly previously worked with Amkor Philippines, as a TPM Senior Engineer, an industry engaged in the manufacture of IC products and spearheaded their Planned Maintenance organization compose of maintenance managers and engineers. He was also responsible for the dramatic reduction of unplanned breakdowns in their TPM journey as well as RCM implementation on their Facilities AHU units and as well as their substation equipment. Rolly is currently working as an independent maintenance consultant and had written 6 books regarding the subject matter.

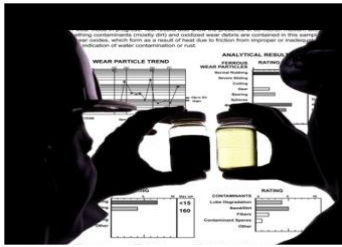
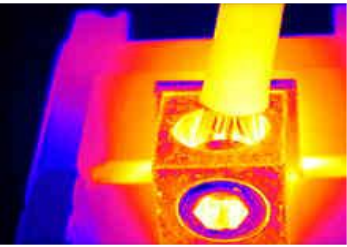
What to Expect on this Training

- Why doing Preventive Maintenance is limited and costly ?
- Understand when to use CBM and PdM Strategy
- Learn the basics about the most common type of CBM
- Learn why is Condition-Based Maintenance more cost effective than traditional Preventive Mtce ?
- What are the advantages and disadvantages on using CBM
- Why knowing the P-F curve in important in performing Condition-Based Maintenance
- How PdM/CBM can save you on maintenance costs



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One Day Online Training

Module 1: Preventive Maintenance Strategy

- Preventive Maintenance Explained
- Feasibility of Using Preventive Maintenance
- What Preventive Maintenance Includes
- Traditional belief by most maintenance people
- Infant mortality, random and age-related Failures
- Understanding the 6 types of failure pattern
- Understand when Predictive Maintenance is feasible
- Comparing Preventive versus Predictive Maintenance
- Concept of Planning and Scheduling
- Limitations of Preventive Maintenance
- Survey on Top Ten Problems on PM

Module 2: Understanding Predictive Maintenance

- Predictive Maintenance defined
- Understanding the P-F interval
- Requirements for Predictive Maintenance
- Difference between In-line and Online Monitoring
- Determining potential failure for equipment
- Determining the P-F interval for Predictive Maintenance
- Similarities and Difference between CBM and Predictive Maintenance
- Benefits of a CBM program in your plant
- Understanding Oil Analysis
- Overview on Vibration Analysis
- Overview on Infrared Thermography
- Overview on Ultrasonic Monitoring
- Starting a Condition-Based Maintenance Strategy in your Plant

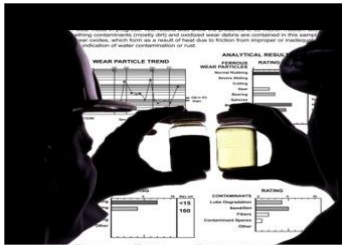
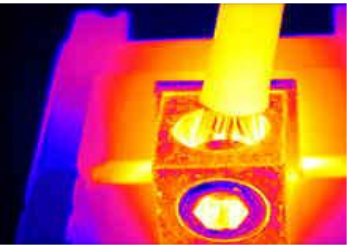
Module 3: Combing Preventive and Predictive Maintenance

- Why both Preventive and Predictive Maintenance Activities Needs to be Adopted
- Conclusion



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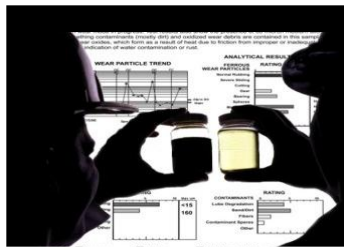
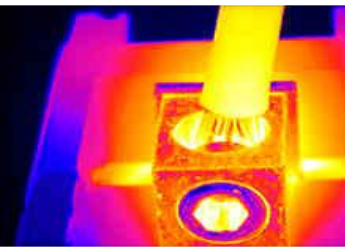
Testimonies and Feedback

- Facts on failure mode and on how PM cannot cover all these failures. Provide a basic understanding on the various types of CBM approaches and on how to start a CBM program. *From Billy Laja, Mechanical Engineer, Sarawak Energy, Berhad, Malaysia*
- The topics discussed are an eye-opener especially in the field of maintenance. I learned a lot of things from this seminar in relation to maintenance. *From Joel Libed. Chem and Mechanical Testing Networks, Meralco*
- It showed me and made me realize the importance of doing maintenance in our equipment based on its condition and not just merely doing it in a periodic or time-based method which we usually adapt to our office right now. *From Robbie Dizer, Pasig Sector, Meralco*
- Learned that PM does not alone prevent equipment failure. Should be a combination of CBM and PM. Learned the different CBM methods. Learned that in order for CBM to succeed, top management commitment and ownership of the program is needed. *From Marlon Guinto, Team Leader, Facilities Operation, Meralco*
- The training is very informative, the speaker/trainer is very well experience in the field of CBM. The environment is quite good and the food is ok. *From Jofrey Natividad. Power Metering Department, Aboitiz*
- We were able to know the pros and cons of the different maintenance programs and the applications of them. *From Christopher Martin Ocampo, Facilities Maintenance, Meralco*
- The facilitator is very well prepared, effective and shared a lot of his experience and knowledge. *From Liana Gatongal, Senior engineer, DMC.Org*
- Before this training I have a little knowledge regarding maintenance (preventive) but the trainer was able to explain well the technical approaches and techniques in performing Preventive Maintenance. I can say that I had a deep understanding of the course and we plan to apply this knowledge in our current work. *Kudos to the trainer. From Lovella Mendoza, Senior Engineer, Panasonic Manufacturing*
- Able to understand the difference between Preventive and Predictive Maintenance. Understand the different tools that can be use to perform Predictive Maintenance activity. Able to gain knowledge about oil analysis, vibration, ultrasonic and thermography. *From Mark Joseph Salalima, Specialists, Panasonic Manufacturing*



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Training Investment Costs:

- 1 Delegate: Php 7,500.00 + 12% VAT
- 2 Delegates: Php 14,700.00 + 12% VAT
- 3 Delegates: Php 21,750.00 + 12% VAT
- 4 Delegates: Php 28,400.00 + 12% VAT
- 5 Delegates: Php 35,000.00 + 12% VAT

If your company is NON-VAT send us your supporting documents.

Payment Procedure and Policy:

- Since this is an Online training, we accept bank or wire transfer or cheque payments. For check payment kindly pay to RSA Reliability and Maintenance Consultancy Firm. Do not shortcut my company name to avoid problems with the bank..
- Official Receipt will be provided after issuance of the complete payment together with BIR form 2307 for Philippine clients only.
- Payment should be done during the day of the training. If this is not possible, provide us a clear date on when we can get the payment.
- 10% Tax can be deducted from the total cost of training provided industry joining the training to provide BIR form 2307 together with the payment

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.



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 whole training.
- In the event that the seminar will be cancelled as a result of unforeseen events such as Acts of God or blackouts or problems on internet connectivity. We shall resume the training the following day or we shall send you an email on the date that the training will be resumed.
- 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 through email regarding the changes in the name of the delegates.

How To Register for this Event:

Step 1: Send us an email on the following:

- Full Name of Delegates: (FN, MI, LN)
- Email of participating delegates
- Position or Designation / Department
- Name of Industry
- Type of Industry
- How is payment to be made Cash or Check
- Is your industry VAT or NON-VAT

Step 2: Once we have confirmed the names of those you will send, we will provide a confirmation email. Strictly No last minute registration will be allowed. We will be using MS Teams as the online platform.

0919-451-1708
0920-482-8225



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marievic_angeles@rsareliability.com



<http://www.rsareliability.com>