

# Virtual Online Training on Understanding the Relationship between Equipment Losses and OEE

January 22, 2021, Online Platform – Microsoft Teams



## Online Training Package

- Link to be provided on OEE 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

## About the Resource Speaker:

**Rolly**, is a seasoned international reliability and maintenance consultant with 30 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, Bangladesh, Botswana, Brunei, Thailand, China and South Africa. 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, Maintenance Indices and KPI's, Maintenance Management Strategies and much more. Rolly previously worked w/ Amkor Technology Philippines, as a TPM Senior Engineer, an industry engaged in the manufacture of IC products and spearheaded their Planned Maintenance initiative 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 have written 6 books on reliability and maintenance which is also available at amazon.com.

The same quality and contents with face to face public training, the only difference is that the cost is lower.

## Objective of the Course :

- Understand the different equipment losses and its relationship with OEE
- Understand what to include and not to include in the breakdown loss
- Learn how to analyze OEE data to determine equipment constraints
- Understand the 8 equipment losses and how to minimize them in order to improve OEE
- Learn how to deal and address these individual equipment losses and what is the individual KPI to address each of them
- Understand how to calculate an accurate and meaningful OEE

## Who Should Attend:

- Maintenance Managers
- Facilities and Utilities Managers
- Preventive Maintenance Group
- Predictive Maintenance Groups
- Reliability Engineers and Managers
- Operations and Production Managers
- Management and Decision Makers
- Continuous Improvement Groups
- People in charge of their assets
- CMMS and Spare Parts Group
- People in charge of lubrication
- Maintenance Planners
- CMMS Groups
- Decision Makers
- Maintenance Managers
- Reliability Managers
- Continuous Improvement Leaders
- Those in Charge of Reliability and Maintenance



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## Module 1 : Breakdown Loss

- What constitute a failure ?
- Understanding Primary & Secondary Failures
- How to reduce breakdown loss
- MTBF to measure breakdown loss
- Reducing breakdown losses

## Module 2 : Set-Up & Conversion Loss

- Set-up and conversion defined
- Shigeo Shingo on reducing set-up time
- Mean Time to Set Up (MTTS)

## Module 3 : Start-up Losses

- Start-up failure defined
- What is Infant Mortality Failure
- How PM affects start-up losses
- How to reduce start-up losses

## Module 4 : Idling and Minor Stoppage

- Understanding Chokotei
- Best TPM Pillar to reduce Minor Stops
- MTBA Snapshot for Minor Stoppages

## Module 5 : Design Speed Loss

- Design Speed Loss defined
- Improving Design Speed Loss

## Module 6 : Defect & Rework Loss

- Understanding Chronic Defects
- Analytical tools for defects

## Module 7 : Understanding OEE

- Relationship between OEE and Equipment Losses
- Components of OEE
- Confusion on Availability
- Calculating an accurate Performance Rate
- How to compute for OEE

## Conclusion



OEE Class with Thailand, Malaysia, Indonesia last December 1, 2020 using MS Teams



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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.



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