An LDI Training Course

INTEGRATED MAINTENANCE MANAGEMENT

by

Prof. Dr. Rachman Setiawan

BACKGROUND

- To provide information on how to obtain strict supervision and to improve communication in order to gain better control over maintenance jobs.
- Directing the preparation of the format-work order system using daily schedules, weekly and monthly, timely programs and planning changes to keep the cost of maintenance costs remain low.
- Give orders on how to recognize the changing operating costs by operating the plants and use of equipment, how to analyze factors that affect efficiency employees and how to work within a fixed budget can complete maintenance work on time
- Presenting coverage for all major elements of preventive maintenance programs and how to implement it

OBJECTIVE

After the training, the participants will have the knowledge and skill to:

- Reduce the frequency and non productive time
- Optimizing maintenance costs
- Increase employee productivity
- Organize maintenance work, including emergency work, effectively
- Understand how to make planning and scheduling
- Improve efficiency procedures

COURSE OUTLINE

Introduction

- Maintainability versus maintenance
- Maintenance Category

- Maintenance Function
- Maintenance Challenge
- Maintenance Time Relationship

Key Requirements For Effective Maintenance

- Gambling With Maintenance
- Profit-and Customer-Centered Maintenance
- Where is Your CMO?
- Key Requirements

Reliability Factors

- Reliability Function
- Failure rate and MTBF
- Series, Parallel and Combined Network
- Probability of Survival
- Reliability Growth Curves

Maintenance Information Flow

- Maintenance Excellence Pyramid
- Managing maintenance work
- Work Planning
- Work Scheduling
- Work Execution
- Long-term Follow-up Aactivities

Managing Preventive Maintenance

- Preventive Maintenance
- PM Strategy for 3 Equip. Life Cycles
- Justifying PM Expenditures
- Installing PM Systems
- Access to Equipment
- PM FREQUENCY: How often to Perform the PM
- Common Task
- Staffing the PM Effort
- Strategies to Get PM Done
- PM System Increase Professionalism

Estimating Maintenance Budget

- Introduction
- Zero-Based Budget (Z-BB)
- How to Start?
- Estimating Maintenance Budget

Maintenance Store And Inventory Control

- Introduction
- Maintenance Store Component
- Conditions Tending to Increase Maintenance Stores Inventory
- Conditions Tending to Reduce Maintenance Stores Inventory
- Centralized vs Decentralized Storeroom
- Principles of Maintenance Stores Control
- Procedural Guidance and Recommendations

Computerized Maintenance Management Systems (CMMS)

- Benefits of Improved CMMS

- CMMS Justification
- Determining the True Need for CMMS
- Determining Maintenance Best Practices Needed
- CMMS Evaluation and Selection Process
- Establish the CMMS Team
- Get Outside Help when Needed

Maintenance Performance Indicators

- Performance Measures versus Benchmarking
- Benchmarking
- Performance Measures
- Measuring MPI

WHO SHOULD ATTEND

- Maintenance Manager/ Superintendent/ Supervisor/ Engineer
- Plant Manager/ Superintendent/ Supervisor/ Engineer
- Operation Manager/ Superintendent/ Supervisor/ Engineer
- Everybody or professional who want to get benefit or broaden knowledge from this course

COURSE DELIVERY

This offline (face to face) course is conducted in Bahasa Indonesia
Training hours are from 08:00 to 16:00 WIB
Participants will receive course materials
Participants will receive a certificate after completing the training

INSTRUCTOR's PROFILE:

Prof. Dr. Rachman Setiawan is a professor in Design for Reliability and Safety. He earned his Bachelor of Engineering degree from Mechanical Engineering Dept. ITB in 1996, and continued his study in 1998 to achieve his M. Sc. Degree in Mechanical Engineering Design From UMIST, UK in 1999 and Ph. D degree in University of Southampton, UK, for the research in Computational Engineering Design. He currently lectures in Fac. Mechanical and Aerospace Engineering ITB on a number of subjects, including Strength of materials, Numerical methods, Risk-based Asset Integrity, Maintenance Engineering, Design of piping, pipeline, pressure vessels, material handling equipment. His engineering concultancy experiences include, among which with, PT Timah (Tbk.), PT Pertamina (and its subsidiaries), PT. Kereta Api Indonesia (Persero) and PT Pertamina (Persero), PT KPC, etc., in the areas of: Mechanical engineering design, Structural crashworthiness, Optimisation, Piping/pipeline, Maintenance Technology and Management, etc. As an instructor, he has been involved in a number of Industrial Training, among which are: Piping and Pipeline technology, Maintenance Management, Mechanical design, and Tank and Pressure vessel technology.

This course is presented by LDITraining.

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