

A LDI TRAINING COURSE

MAINTENANCE MANAGEMENT

INTRODUCTION

In this maintenance management course, participants will understand the concepts and learn the practical skills to build a solid maintenance program. Participants will be able to anticipate and avoid costly problems and ultimately make operations more efficient and productive.

The course instructor will show participants the importance of supervision and communication to manage the maintenance activities.

Here are the benefits of attending this training:

- Reduce the frequency and nonproductive time
- Optimizing maintenance costs
- Increase employee productivity
- Organize maintenance work, including emergency work, effectively
- Understand how to make planning and scheduling
- Improve efficiency procedures
- Implement a preventive maintenance program
- Complete maintenance works on time

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 Activities

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 getting 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 supervisors
- Maintenance engineers
- Plant supervisors
- Operation supervisors
- All maintenance personnel

ABOUT THE INSTRUCTOR

Ir. In Jumanda Kasdadi is an experienced instructor and he has been conducting training for oil and gas companies since 1997. He has BS and MS in chemical engineering degrees from the Institute Technology Bandung.

Companies that have received Mr. Kasdadi's in-house training include Chevron, Pertamina Hulu Energi–ONWJ, ConocoPhillips, Total, Medco, Petrochina, Pertamina, Star Energy, and many others.

Ir. In Jumanda Kasdadi was involved in several Front-End Engineering Design (FEED) and Risk-Based Inspection projects.

IJK has also taken courses for 9 topics in The Oil & Gas fields at PETEX (Petroleum Extension), University of Texas at Austin, in Houston, Texas, USA (2018).



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