

## A Live Online 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).

## **COURSE DELIVERY METHOD**

- This is a live online course delivered using Virtual via the Zoom application.
- Training time is from 09:00 to 15:00 with several breaks in between.
- Participants need to prepare a computer to join this program.
- Participants will receive course material in the form of hard copy and soft file, and stationary which we will send to the participant's address via courier (freight services).
- Participants will receive a certificate after the training is complete.

## **REGISTRATION**

Two ways to register:

- Email your message to PT Loka Datamas Indah – [lditrain@indo.net.id](mailto:lditrain@indo.net.id) or
- Register online on our website [www.lditraining.com](http://www.lditraining.com)

**For more information about the course, please contact PT Loka Datamas Indah.**

**Email: [lditrain@indo.net.id](mailto:lditrain@indo.net.id).**

**Phone: +62-21-6326911**