

An LDI Training Course

MAINTENANCE PLANNING AND SCHEDULING

Introduction

Maintenance are those activities required to keep a facility in as-built condition, so that it continues to have its original productive capacity. The responsibility of the maintenance function is to ensure that production plant and equipment is available for productive use at minimum cost, for the scheduled hours, operating at agreed standards with minimum waste. The objective is the systematic and scientific upkeep of equipment for prolonging its life, assuring instant operational readiness and optimal availability for production at all times while making sure that the safety of man and machine is at no time jeopardized.

Benefits of Attending

- Understand the behavior of machines and equipments
- Know what maintenance systems are suitable for the equipments
- Know how to measure the performance of equipments
- Know how to predict machine breakdowns
- Know what factors affecting low machine performance
- Know how successful companies do their maintenance programs

Course outline

- What is maintenance management
- Asset management
- Optimum maintenance cost
- The bathtub curve of equipment lifetime
- 16 losses
 - Failure losses - Breakdown loss
 - Setup / adjustment losses
 - Cutting blade loss
 - Start up loss
 - Minor stoppage / Idling loss.
 - Speed loss - operating at low speeds.
 - Defect / rework loss
 - Scheduled downtime loss

- Management loss
- Operating motion loss
- Line organization loss
- Logistic loss
- Measurement and adjustment loss
- Energy loss
- Die, jig and tool breakage loss
- Yield loss.
- Maintenance systems
 - Breakdown maintenance
 - Routine maintenance
 - Planned maintenance
 - Preventive maintenance
 - Predictive (condition-based) maintenance
 - Corrective maintenance
 - Design-out maintenance
 - Total productive maintenance (TPM)
- Criticality Analysis
- Reliability Analysis
- The statistics of MTBF (mean time between failures)
- MTTR (mean time to repair)
- OEE (overall equipment effectiveness)
- TPM Activities
 - Elimination of six big losses
 - Planned maintenance
 - Autonomous maintenance
 - Preventive engineering
 - Easy-to-manufacture product design
 - Education
- Autonomous maintenance program
- Zero breakdown, zero defect, and zero accident
- Case studies

Who Should Attend

- Maintenance supervisors and managers
- Production and operations managers
- Maintenance engineers and supervisors
- Engineering managers and supervisors
- Asset managers
- Procurement managers
- Logistics managers

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

TRAINING CONFIRMATION

LDI Training will provide a Confirmation Letter after we receive registration according to the required quota.

For course registration and more information please email to

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