Putting Predictive and Preventive Maintenance Programmes in Place That Work

Transitioning From Reactive to Preventive and Predictive Upkeep

Introduction

A successful business depends on well-planned, workflow-integrated preventive and predictive maintenance, which is also a key component of maintenance management techniques like RCM, RBM, TPM, and even 6-Sigma. Both qualified new professionals and seasoned professionals who may be involved in the rollout of a comprehensive Maintenance & Asset Management process or auditing an existing process will benefit from this extensive 5-day Course N Carry Maintenance Engineering training seminar on Implementing Effective Preventive & Predictive Maintenance Programs. It covers every stage needed to create a successful preventive and predictive maintenance program, from identifying failure patterns and selecting the appropriate preventive maintenance job to creating a well-managed program that is seamlessly connected with workflow and CMMS.

Reactive ("fix-it-when-it-breaks") management is giving way to predictive and preventive ("anticipating, planning, and fix-it-before-it-breaks") management in leading industrial enterprises. This development calls for well-thought-out and multifaceted activities.

The main points of this Course N Carry training lecture are:

- The use of predictive and preventive maintenance techniques in asset management
- Maintenance Based on Risk
- Best practices for maintenance and reliability engineering
- The best methods for organizing and arranging work (workflow management)
- CMMS implementation
- Utilizing Key Performance Indicators (KPIs) to monitor and manage performance
- Aspects of continuous improvement

Objectives

By the time this Course N Carry training course ends, you'll know how to:

- Recognize how top-notch businesses handle typical planning issues
- Boost output by utilizing better, more current information

- Put into practice a sensible and successful predictive maintenance program.
- Boost the accuracy and consistency of asset information
- Enhance predictive and preventative maintenance techniques.

Training Methodology

Using the concepts of an interactive workshop, this Course N Carry Maintenance Engineering training session on Implementing Effective Preventive & Predictive Maintenance Programs will be run. A variety of presentations and hands-on activities are planned. Diverse experiences will be talked about. There will be lots of chances to talk and exchange experiences.

Organizational impacts

Your company will see long-lasting benefits from attending this Course N Carry training seminar:

- A thorough grasp of creating maintenance strategies that are both predictive and preventative
- Integrate the CMMS and workflow with predictive and preventive maintenance.
- Streamline the process
- Provide a useful mechanism to track performance.
- Enhancement of the upkeep endeavour
- Ensure complete and efficient management of the maintenance budget.

Personal Imapct

Attending this training course on Course N Carry will enable the attendees to:

- Determine which equipment parts belong in your predictive and preventative maintenance program.
- Learn how to calculate the failure risk of equipment subject to condition-based maintenance as well as how to set the most suitable failure finding interval for protective devices.
- Understand how to set the ideal frequency of inspections for machinery that is running continuously.
- Recognize how to include predictive and preventive maintenance techniques into workflow and CMMS.
- Understand how to calculate an asset's economic life, which is the point at which its use decreases with age.
- Increase their own worth
- Possess the ability to plan and grow a future career

Who should attend?

Professionals of all stripes can benefit from this Course N Carry training program, but the following will be very helpful:

- Supervisors and Managers of Maintenance
- Employees assigned to the role of planner or those destined to take on this role
- Supervisors and Technicians in Predictive Maintenance
- Principal Figures in Every Maintenance Trade
- Engineers in Maintenance and Reliability
- Supervisors and Managers of Materials Management
- Key Users of CMMS

Course Outline

Day 1

The Requirement for Upkeep

- Risk-Based Maintenance (RBM): Maintenance and Asset Management as a Business Process
- Reasons for Not Successing
- Probability and Gravity of Failure - Risk Evaluation
- FMECA stands for Failure Mode Effect and Criticality Analysis.
- Selecting the Tasks for (Preventive) Maintenance
- Optimizing Maintenance Decision Making
- Identification of Failure Patterns
- An Examination of Failures Statistically
- Weibull Evaluation
- Budgeting with no base
- Specify the Need for Production.
- Describe the Need for Maintenance.

Day 2

Creating the Database and Structure for the CMMS

- Workflow & CMMS
- CMMS and Maintenance Approaches
- Register of Assets
- Management of Configurations

Day 3

The Role of Planning

- The Relationship Between the Maintenance Workflow and the Preventive Maintenance Strategy
- Roles and Responsibilities in Planning, Scheduling, and Work Preparation
- Work Preparation and Planning Principles
- Fundamentals of Scheduling
- Network Scheduling

Day 4

Maintenance That Is Predictive

- Analysis of Potential Failure (PFA)
- PFA integration with FMECA and RBM
- Knowledge of the P-F Interval
- Select the Technologies You Want to Use
- Technologies for Predictive Maintenance
- Analysis of Vibrations
- Visual Examination
- Infrared Thermal Imaging
- Labels Sensitive to Temperature
- Megger Examinations
- Ultrasonics
- Oil Examination

Day 5

Management of the Maintenance Process Preventive and Predictive Maintenance Strategy Implementation Stages

- Integration of CMMS
- Utilizing (Key) Performance Indicators in Reporting
- Case Study