Certificate Course in Progressive Maintenance Management

Identify Great Opportunities to Improve Asset Performance

Introduction

As part of a life cycle-oriented Asset Management approach, leading industrial organisations are shifting from reactive ("fix it when it breaks") maintenance to predictive and preventive ("anticipating, planning, and fix it before it breaks"). This evolution calls for well-thought-out and multifaceted actions. The Advanced Maintenance Management training programme offers excellent chances to maximise Return On Investment (ROI) by optimising the performance of your assets and maintenance procedures. Utilising your assets to their fullest potential can allow you to cut expenses and downtime while maintaining high standards of quality and safety.

Participants in this in-depth Course N Carry Certification training course in Progressive Maintenance Management are exposed to the fundamental technologies and knowledge areas of advanced maintenance management. It provides an overview of each technology's history as well as an example of how to use it practically to maximise profits.

This training programme for Course N Carry Certification will emphasise:

- Asset management is Maintenance Management done in a businesslike manner.
- Utilising the Balanced Scorecard and KPIs to Assess Performance
- Evaluating the maturity of asset management and creating a plan for improvement
- The asset management enhancement business case: a cost-benefit analysis
- An explanation of risk and an overview of the Risk Based Maintenance methodology
- Life Cycle Management, including RAMS requirements and Systems Engineering aspects
- Costing of Life Cycles
- The most recent ideas and methods for smart and predictive maintenance

Objectives

Upon completion of this Course N Carry Certification training programme, learners will be capable of:

- Recognise the fundamentals of asset management as a foundation for organising and maximising maintenance.
- Create the maintenance department scorecard by identifying common maintenance Key Performance Indicators (KPIs).
- Evaluate the maturity of the organization's asset management and create a plan for improvement.
- Analyse the managerial and organisational factors for extremely successful risk-based maintenance.
- Recognise life cycle management and the ways in which RAMS and systems engineering could help.
- Find out an asset's life cycle costs.
- Showcase the most recent ideas and methods for predictive and smart maintenance.

Training Methodology

The interactive training principles will be applied in this Course N Carry Certificate Course in Progressive Maintenance Management training seminar. A variety of lectures and hands-on, individual, and group activities will be included. Diverse experiences will be talked about. There will be lots of chances to talk and exchange experiences. Upon completion of this Course N Carry Certification training session, we will conduct a group-based maintenance evaluation that will yield a collaboratively created action plan for improvements.

Organizational impacts

Teaching the principles of Interactive Economics to your employees can help drive organizational growth and seamless operations:

- A short course that equips employees with skills for the real world
- Employees receive enhanced and economically driven decision-making skills
- Helps create better marketing strategies for higher sales
- Provides a competitive advantage by helping make calculated risks

Personal Imapct

Enrolling in this course can benefit you in the following ways:

- Gain a deep understanding of the relation between human behavior and finances
- Learn modern techniques to estimate market demand and prediction
- Attain leadership, adaptability, and decision-making skills
- Analyze and understand successful market strategies

Who should attend?

A wide spectrum of individuals working in the field of Progressive Maintenance Management can benefit immensely from this training seminar offered by Course N Carry Certificate Course in Progressive Maintenance Management.

- Every Professional in the Maintenance Management Field
- Experts engaged in Work Scheduling and Control
- Supervisors of Maintenance
- Engineers for Maintenance
- Managers and Leaders of Maintenance Teams
- Managers and Leaders of Operations Teams

Course Outline

Day 1

Overview of Asset Management: An Integrated Approach to Supervising and Enhancing Maintenance

- Asset Administration as a Business Procedure
- Model of the Asset Management Landscape
- **Framework for Strategy**
- Orientation of Sight
- The policies and strategies of asset management
- Asset Management Plan (Strategic)
- The Maintenance Management Role
- Strategic, Tactical, and Operational Roles in Asset Management
- The International Standard on Asset Management, or ISO 550000

Day 2

Evaluating the Asset Management Maturity as the Foundation for Better Maintenance

- Assessing Output
- Dashboards - KPI - Leading and Lagging Indicators
- Evaluations and Comparisons with International Standards
- **Evaluations of Asset Management Maturity**
- Asset Management Workstation: An Examination of ISO 55000 Gaps
- ISO 55000 Self-Assessment Module (SAM)
- Establish the Maintenance Improvement Roadmap.
- The Business Case for Better Asset Management Through Cost/Benefit Analysis
- Implementation Details

Day 3

Risk Management for Assets: A Risk-Based Approach (RBM)

- Not all failures are significant; the fundamentals of risk
- Risk at the corporate level
- Risk register and matrix
- Hazard at the asset level
- System failure behaviours
- Using a risk-based strategy to select the right maintenance tasks for your assets

Day 4

Life Cycle Assessment

- **Life Cycle Assessment**
- An asset's life cycle
- Forecasting Demand
- **Creation and Acquiring of Resources**
- An Approach to Systems Engineering
- RAMS Requirements: Approaches
- Life Cycle Costing (LCC)
- Replacement and/or Disposal - Life Extension (Asset Rationalisation)

Day 5

Smart Maintenance

- Comprehending Predictive Maintenance (PDM) Principles
- Which PDM Technologies Should I Use? - A succinct rundown of pertinent PDM technologies
- Utilising Current Data Technology to Measure Asset Performance for Smart Maintenance
- Aspects of Data Analysis
- Aspects of Optimisation: Optimising the Maintenance Plan
- Making Use of Decision Support Instruments