# STRATEGIES

# MAINTENANCE SOLUTIONS

**MeTec**
EMPWER YOUR TECHNICAL SKILLS

SMART INDUSTRIAL CONTROL PANEL
90%

# STRATEGIES MAINTENANCE SOLUTIONS

## OVERALL DESCRIPTION:

This course is specifically designed for professionals who want to master the strategic side of maintenance. Participants will learn how to build robust, forward-thinking maintenance strategies that move beyond reactive fixes. The focus is on using data and modern frameworks to improve asset health, extend equipment lifespan, and ensure business continuity, all while achieving significant cost reductions.

## Course Objectives:

**Upon completion of this course, participants will have the knowledge and skills to:**
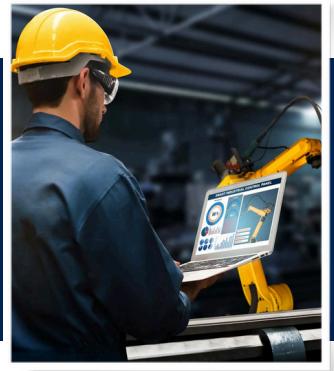
- Evaluate and justify the business case for different maintenance strategies.
- Develop a structured, risk-based maintenance plan tailored to specific assets.
- Implement the core principles of Reliability-Centred Maintenance (RCM) and Total Productive Maintenance (TPM).
- Utilise data from Condition-Based Monitoring (CBM) to predict and prevent equipment failures.
- Establish and track key performance indicators (KPIs) to measure the effectiveness of maintenance programs.
- Leverage Computerised Maintenance Management Systems (CMMS) to optimise maintenance workflow and decision-making.

## Course Outline:

**Foundations of Maintenance**
- The business impact of maintenance on profitability and operations
- A strategic comparison of Reactive, Preventive, and Predictive strategies
- Analyzing equipment failure modes and effects for strategic planning

## Course Outline:

### Strategic Planning & Frameworks

- Developing a structured Maintenance Strategy Development (MSD) plan
- An introduction to the principles and application of Reliability-Centered Maintenance (RCM)
- Implementing the core pillars of Total Productive Maintenance (TPM)
- Integrating Condition-Based Monitoring (CBM) into a proactive strategy

### Tools & Technology

- Optimizing a Computerized Maintenance Management System (CMMS) for efficiency
- The role of Industrial Internet of Things (IIoT) in modern maintenance
- Applying Root Cause Analysis (RCA) for continuous improvement

### Implementation & Measurement

- Building a comprehensive business case for new maintenance initiatives
- Best practices for change management within maintenance teams
- Setting and monitoring key performance indicators (KPIs)
- Benchmarking and a framework for continuous optimization

## WHO SHOULD ATTEND?

This course is designed for professionals who are responsible for the reliability and performance of physical assets. The target audience includes Maintenance Managers, Maintenance Engineers, Operations and Plant Supervisors, Reliability Engineers, and Senior Maintenance Technicians.

## Course Methodology:

We utilize a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This training course will be conducted as a highly interactive workshop session. A variety of training methodologies will be used Before and during the course whenever applicable. Some of these methods are gamification, online pre-post test, role plays, self-assessment instruments, group exercises & case studies.