Introduction

Maintenance is a critical lever for improving **business profitability**, influencing **equipment capacity**, **product quality**, **safety**, **health**, and the **environment**, as well as impacting **production costs**. A world-class maintenance operation can significantly boost **plant profit** and offer valuable intangible benefits like enhanced **customer satisfaction**, **employee pride**, and **vendor relationships**.

Strategic maintenance planning is integral to operational success, ensuring alignment with the broader goal of achieving **world-class status**. The **maintenance organization** and its strategy must be tightly integrated with business objectives and other functions within the company. This ensures optimal maintenance management and performance, while minimizing life-cycle costs for new assets and operating expenses for existing investments.

This strategic approach must incorporate the best available technologies, practices, and procedures, all while focusing on the overarching business goals. By defining the necessary processes and practices, the strategy ensures that maintenance efforts contribute to achieving maximum effectiveness, efficiency, and cost-effectiveness.

Additional Module: Strategic Maintenance Management

This module focuses on aligning maintenance activities with the broader **business strategy**. Participants will learn how to develop a comprehensive maintenance management plan that supports the company’s long-term goals. This training will also provide insights into certification opportunities, such as the **maintenance planning certificate**, which serves as a valuable stepping stone for career progression in the field of **strategic maintenance planning**.

Targeted Groups

This course is ideal for professionals involved in the maintenance and management processes, including:

- **Planners**
- **Maintenance and Reliability Engineers**
- **Planning Engineers**
- **Maintenance Supervisors and Engineers**
- **Maintenance Team Leaders and Managers**
- **Operations Team Leaders and Managers**
- **Technical Support Staff**

Course Objectives

Upon completing the **Strategic Maintenance Planning and Management** course, participants will be able to:

- Understand the critical role maintenance plays in achieving **business objectives**.

- Develop a **strategic framework** for efficient and effective maintenance management.
- Comprehend the roles, processes, and procedures necessary for maintaining organizational effectiveness.
- Establish clear **measurements** for management and technical performance across all organizational levels.
- Enhance **equipment performance** and ensure **asset longevity** through strategic planning.

Targeted Competencies

By the end of the course, participants will have developed the following competencies:

- Establishing an efficient **maintenance planning function**.
- Implementing an **object-based approach** to programmed maintenance.
- Planning maintenance tasks with a focus on **safety**, **quality**, and **efficiency**.
- **Scheduling work** to ensure operational continuity.
- Linking **operations** with the **maintenance schedule** to ensure alignment.
- Generating performance indicator reports for continuous improvement.
- Employing a **complete process** to eradicate equipment defects and ensure optimal performance.

Course Content

Unit 1: Maintenance Objectives and Strategy

- The evolving **role of maintenance** in modern business.
- Exploring **cost reduction** and **performance enhancement** through strategic maintenance.
- Analyzing **downtime costs** and evaluating **maintenance cost** and **value**.
- Assessing **maintenance impact** on the company’s bottom line.
- A brief historical overview of maintenance and its evolution.
- Different types of maintenance strategies and developing a **robust maintenance plan**.
- Aspiring to **world-class reliability and maintenance standards**.

Unit 2: World-Class Standards – Comparing Your Plant With The Best

- Conducting **benchmarking** and **maintenance performance assessments**.
- Implementing a **maintenance self-assessment** process.
- Managing and measuring **progress towards excellence** using industry best practices.
- Evaluating **Overall Equipment Effectiveness (OEE)** as a key performance indicator.

Unit 3: Implementing New Management Approaches

- Introducing **Failure Management Programs** (e.g., **RCM**) to improve maintenance strategy.

- Adopting **Total Productive Maintenance (TPM)** for increased productivity.
- Considering **life-cycle costing** in decision-making processes.
- Leveraging **Computerized Maintenance Management Systems (CMMS)** to optimize processes.
- Understanding common challenges and reasons why **CMMS implementations fail**.

Unit 4: Optimizing Maintenance Organization

- Fostering **operations excellence** by aligning operations and maintenance.
- Exploring the dynamic relationship between **operations and maintenance** in production.
- Assessing the effectiveness of **operations managing maintenance tasks**.
- Understanding the **70/30 phenomenon** in maintenance and operations.
- Enhancing **organizational synergy** between the two functions.

Unit 5: Contract Maintenance

- Analyzing best practices in **contract maintenance management**.
- Evaluating industry case studies to derive actionable insights and strategies.
- Deconstructing **maintenance management legends** and developing new approaches.

This course provides essential knowledge and strategic insights to optimize maintenance operations, focusing on long-term asset performance and organizational success. Participants will emerge from the training equipped to play a pivotal role in shaping their organization’s maintenance strategy and improving its business outcomes.