



Maintenance & Reliability Management

Implementation of Kaizen in the Production Floor

Course Introduction

This training program is designed to help professionals gain an in-depth understanding of Kaizen continuous improvement process. This training program will get participants to learn practical approaches and applications of the system rather than just listening for higher retention of concepts and theory. Exercises, practical implementations in the production floor, and case studies will also be integrated into the training program to demonstrate and bring to life the concepts being taught.

Target Audience

1. Maintenance Managers & Supervisors – To lead continuous improvement in maintenance processes.
2. Maintenance Engineers & Technicians – To enhance equipment reliability and efficiency.
3. Facility & Plant Managers – To integrate Kaizen into maintenance strategies.
4. Reliability & Asset Management Professionals – To reduce downtime and optimize resources.

Learning Objectives

- Gain a comprehensive understanding of the Kaizen concept and principles.
- Master Using Kaizen tools.
- Design a Kaizen Plan in the production floor.
- Master implementing Kaizen in the production processes.
- Apply and measure Kaizen in the production floor.

Course Outline

• 01 DAY ONE

Introduction to Kaizen:

- The concept of continuous improvement management.
- Understand KAIZEN in Japanese.
- Development History of the Japanese strategy for continuous improvement (KAIZEN).
- Kaizen benefits for production processes “Case Studies”.
- How does the Japanese KAIZEN strategy work?
- KAIZEN's relationship with the DEMING CYCLE.
- A comparison between KAIZEN and the rest of the continuous improvement processes (TQM, TPM, QC, SIX SIGMA).
- Strengths of the KAIZEN program.

Your Guide to understand Kaizen Tools:

- Check Sheet.
- Pareto Chart.
- 7QC Tools and their Application.
- Histogram.
- Scatter Diagram.
- Process Map.
- Cause and Effect Diagram.
- Process Map.
- Control Chart.
- Root-cause analysis.
- Fishbone Method.
- (ISHIKAWA).
- Five-question style.
- (5 WHYS).

- Optimization-based processing method.
- Workshop.

• 02 DAY TWO

Developing Kaizen Strategy:

- Introduction of Kaizen Strategy.
- How to Plan for a Kaizen Continuous Improvement Programme?
- Design the Kaizen Culture.
- Developing a Kaizen Roadmap.
- Planning and Organising Effective Kaizen Events.
- Selecting and Handling Projects.
- Kaizen Teams formation strategy.
- The Roles of Team Members.
- Performance Metrics.
- Understand Kaizen PDCA.

Mapping of Process and Value Stream

- Process Mapping Overview.
- Understand Value Stream Mapping Principles and Methodology.
- Mapping Tools and Symbols.
- Using Process Maps.
- Understand and apply Value Stream Maps.
- How to Prioritise and Select Kaizen Projects.
- Strategies of Developing Project Charter and Project Plan.

• 03 DAY THREE

Implementing of Kaizen Project:

- Identify the Kaizen Project.
- The structure and steps of Kaizen Project.
- Prepare the Kaizen Event.
- Understanding Workplace Kaizen.

- Map Current State for the Kaizen Project.
- Identify Areas for Improvement.
- Map Future State.
- Cost and Benefit Analysis of Projects.
- Implementing Future State Improvements.
- Post-Project Review and Follow-Up.
- Identify Further Areas for Improvement/Skills Development.
- Project Presentation.

Practical Application: Implementation of Kaizen in the production floor:

- Applied tools for the continuous improvement process of according to the KAIZEN strategy methodology
- How can we eliminate overproduction?
- How can we improve manufacturing quality?
- How can we make manufacturing more efficient?
- How can we remove unneeded steps in manufacturing?
- How can we eliminate errors in the final product?
- Practical applications on industrial processes using kaizen.
- Practical applications on office and administrative operations using kaizen.

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 11, 2025	Aug. 13, 2025	3 days	4250.00 \$	UAE - Dubai
Sept. 1, 2025	Sept. 3, 2025	3 days	4250.00 \$	UAE - Dubai

