



Waste Reduction

COURSE DESCRIPTION

This course is designed to familiarize participants with the concept of waste in the manufacturing processes and to identify and distinguish between different types of waste. The course aims to provide participants with the practical knowledge required to identify and eliminate waste.

For achieving this objective, the course discusses different improvement tools related to improving production area (such as; Kaizen, 5S, OEE ... etc.), prevention of defects (such as; Jidoka and Poka-Yoke) and value stream improvement (such as; VSM, JIT ... etc.). In addition, the course is designed to include practical workshops to train participants on how to apply these tools to wastes and prevent waste.

COURSE OUTLINE

- Introduction to Waste Reduction
- Types of waste
- Stability and Standardization
- Production area improvement tools
 - Kaizen
 - Industrial
 - Housekeeping (5S)
 - Overall Equipment Effectiveness (OEE)
 - Single Minute Exchange of Dies (SMED)
- Total productive Maintenance
- Quality Improvement Tools
 - Automation (Jidoka)
 - Error Proofing (Poka-Yoke)
- Value Stream Mapping (VSM)
- Value Stream Improvement Tools
 - Just-In-Time (JIT)
 - Pull System (Kanban)
 - Production Leveling (Heijunka)

LEARNING OUTCOMES

By the end of this course, students will be able to:

- Identify and distinguish different types of waste within their production processes.
- Apply improvement tools to enhance processes efficiency and effectiveness.
- See the whole value stream for their products and plan for its improvement.
- Follow the adequate procedure to smooth the flow of production processes.

Who Should Attend

- Production Managers,
- Quality Managers,
- Maintenance Managers.

COURSE DURATION: 4 Days

TRAINING HOURS: 16 hrs

MINIMUM NO. OF TRAINEES: 15

LANGUAGE : English

