

SPC consulting group

LEAN MANUFACTURING

TPS

Objective:

At the end of the course the participant will be able to interpret, homologate and standardize the bases and criteria that support to the Lean Manufacturing concepts. The participant will be familiar with some support methodologies like Cellular Manufacturing, Kanban and One Piece Flow in order to minimize WIP and increase the profitability of the organization.

Prerequisites:

- Basic knowledge of the process of product

Duration:

16 hours

Introduction
- Lean thinking intro

Lean Manufacturing overview
- Lean history
- Terms and definitions
- Operating model
  + Customer centricity
  + Continuous flow
  + Thinking systems
  + Simplicity
- Value Stream Mapping
- Kaizen events

Factory Visual & 5S
- Concept
- Techniques and methods
- Barriers for the implementation
- On-site evaluation

Takt time and line balancing
- One Piece Flow
- Takt Time concept
- Line balancing methodology

Cellular Manufacturing and standard work
- The Manufacturing Cell concept
- Types of cells
- Application methodology
- Understanding standard work
- On-site evaluation

KANBAN / HEIJUNKA
- Concept
- Techniques and methods

TPM & SMED
- Concept
- Techniques and methods
- Barriers for the implementation

Poka Yoke
- Concept
- Techniques and methods

Problem solving
- Concept
- Techniques and methods

Kamishibai
- Concept
- Techniques and methods

Implementing Lean Manufacturing