

# Lean Manufacturing

## Introduction

Lean Manufacturing (also called Lean Production) is the new challenge for organizations to be more competitive and faster in response to the customer. It 's a methodology that leads to the reduction of leakage and wasteful production processes, reducing time and costs. Lean Manufacturing is a set of organizational tools and involvement leading to a cultural revolution in production and not only.

The course offers participants the opportunity to apply the processes of your company the methodology, regardless of the type of product and manufacturing processes, with the objectives to:

- Highlight and eliminate waste
- Increase the competitiveness of increasing the value of product for the customer and the organization.
- Improving the efficiency and productivity of the business system

## Objectives

- Explain how the company is a set of processes to generate flow value for the customer
- Present the methodology of Lean Thinking
- Review the Best Practice
- Learn to its concrete implementation from production batch production flow

## Recipients

- Production Manager
- Maintenance Managers
- Organization Managers
- Managers of Information & Communication Systems

## Duration

Three days full time

## Content

- The lean principles to fight waste.
- The basic principles of Lean Thinking:
  - Define the value
  - Identify the value stream
  - Make sure that the flow is flowing
  - Be assured that it is pulled by the "customer."
  - Search for Perfection
- The elimination of waste
- The methodology of Lean Thinking

- The definition of business processes (including supply chains) and the choice of its owner
- The analysis of the value stream
- Some techniques and tools of Lean Production
  - Just in Time
  - Autonomation
  - Cells
  
- Team work and the method of the 5S
- Integrated Workspaces
- The Six Sigma methodology
- The Lean Six Sigma approach
- The management of tooling components / similar groups
- Evolution of lean production taking into account the Lean Thinking
- Implementation as part of manufacturing
- Consideration and discussion of several case studies: The Best Practices
  
- The organization for the application of this methodology
- Role of people in the continuous improvement of performance
- The lean coordinator and his duties
- Project development
  
- Cost-Benefit Evaluation
- Monitoring metrics
- Principles and critical success factors for the lean manufacturing
- Other areas of application of lean
- Lean & Digitize
- A practical exercise on cases brought by participants