

# Learn about Lean because every manufacturing process can be improved.

## Intro to Lean Workshop

As companies begin their Lean journey, it is important to develop a sound foundational understanding of Lean. The Lean Overview workshop is designed to provide participants with just that. The workshop will cover Lean Theory, Waste Identification and the three foundational principles of Lean.

Topics covered will include:

- What Lean “is” and “is not”
- History of Lean Manufacturing
- Understanding the Customer
- Waste Identification
- Understanding the 3 laws of Lean
  - Operating to Takt Time
  - Single piece flow
  - Pull production

The workshop will include hands-on simulation exercises that will engage the participants and give them the opportunity to apply the principles that they will be learning. The “car factory” exercise will give the participants the opportunity to build cars in a production setting and then improve the process using what they have learned.

## Agenda

- Introduction to Lean
- 1<sup>st</sup> round of production simulation using a car factory
- Identification of Waste
- 2<sup>nd</sup> round of car factory simulation
- 3 Laws of Lean
- 3<sup>rd</sup> round of car factory simulation
- Quantifying results, wrap-up and discussion



## Lean Tools Workshop

Implementing Lean within an organization requires using tools to introduce the principles of Lean. During the Lean Tools workshop, participants will learn about three different tools essential for Lean implementation. These tools will give participants what they need to get them on their Lean journey.

Tools covered in the class:

- Value Stream Mapping
- Process Mapping
- Kaizen

Value stream mapping will give participants the confidence that the improvements they make will positively affect their bottom line.

Process Mapping will give participants a thorough understanding of their process, allowing for clear identification

Kaizen is the vehicle for eliminating waste and making positive changes to processes

The workshop will include hands-on simulation exercises that will engage the participants and give them the opportunity to apply the principles that they will be learning. During this workshop, participants will actually be using data to create a value stream map and a process map.

## Agenda

- Tools Overview
- Value Stream Mapping
- Production simulation and Value Stream Map Creation Exercise
- Process Mapping
- Process Map Creation Exercise
- Kaizen
- Wrap-up and discussion