

# INDUSTRY 4.0 - MOVING TOWARDS SMART MANUFACTURING

## OVERVIEW

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Industry 4.0 is the digital transformation of industrial markets (industrial transformation) with smart manufacturing currently on the forefront. Industry 4.0 represents the so-called fourth industrial revolution in discrete and process manufacturing, logistics and supply chain, the chemical industry, energy, transportation, utilities, oil and gas, mining and metals and other segments, including resources industries, healthcare, pharma and even smart cities. The goal of the initiative is transformation of industrial manufacturing through digitalization and exploitation of potentials of new technologies.

To understand Industry 4.0 it is essential to see the full value chain which includes suppliers and the origins of the materials and components needed for various forms of manufacturing, the end-to-end digital supply chain and the final destination of all manufacturing, regardless of the number of intermediary steps and players: the end customer.

This training is to present and facilitate an understanding of Industry 4.0 concepts, its drivers, enablers, goals and limitations. Building blocks are described and smart factory concept is presented. A Reference Architecture Model RAMI4.0 and role of standardization in future implementation of Industry 4.0 concept are addressed.

## OBJECTIVES

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After attending this program, you will be able to:-

- Understand the nature of industry 4.0
- Learn to choose different System Architecture that suits the company
- Learn how implementation works
- Know what is required to implement the new infrastructure into manufacturing site
- Understanding the difference method of implementations
- Preparing for the challenges during implementing industry 4.0
- Learn future trend on industry 4.0

## WHO SHOULD ATTEND?

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- CEO or top level managers of any manufacturing / Engineering Company
- Head of Manufacturing
- Engineering Managers
- Manufacturing IT manager / personals
- Engineer with some degree of knowledge in robotic & Automation

## WORKSHOP METHODOLOGY

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Info Sharing, discussion, role-play, presentation



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