

Festo Training and Consulting

From industry – for industry

FESTO



TCM261

Introduction to Industry 4.0: Core elements and business opportunities

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While it is a trending topic, Industry 4.0 is not widely understood, because there are different notions of what it actually means. People working in leadership positions are more likely to encounter Industry 4.0 and must be knowledgeable about its impacts. Industry 4.0 offers wide-ranging opportunities for companies to improve their productivity, quality, and processes. However, managers must first have a basic understanding of the core elements and technologies and how the interaction leads to Industry 4.0. Subsequently, managers can develop new business models and specific strategies to implement Industry 4.0 solutions in their companies.

This training targets management level and gives a general introduction into topics related to Industry 4.0. As a result, participants understand the core principles and can apply them implementing respective business strategies.

TCM261

Introduction to Industry 4.0: Core elements and business opportunities

Training content

- Introduction to Industry 4.0
- Difference between Industry 3.0 and 4.0
- Overview of the core elements and technologies of Industry 4.0, e.g.:
 - RFID
 - HMI
 - M2M communication
 - Vertical and horizontal integration
 - Decentralized self-controlling production
 - Augmented reality
 - ... and more.
- Social-technological developments and their consequences
- Industry 4.0 business models and creating new business ideas
- Two-day-training covers the following additional topics:
 - Bottom-up and top-down strategies to implement Industry 4.0
 - Industry 4.0 competency development
 - Industry 4.0 change management

Training outcomes

After completing this training course, the participants:

- are familiar with the core elements and basic technologies of Industry 4.0
- understand how the core elements and technologies are connected and can lead to a holistic approach to improve processes and products
- recognize the opportunities for developing new business models and what to take into account when implementing new strategies towards Industry 4.0

Target group

Upper management, decision-makers and executives from strategy and innovation departments

Duration

1 or 2 days



All Festo Didactic training courses offer the following additional benefits:

- Post-tests can additionally be used to monitor the training effectiveness
- Our trainings can be customized and carried out worldwide (on demand)
- Trainings take place with real industrial components, used in a safe environment
- Our trainers are certified according to our internal trainer qualification „Festo Certified Training Professional“ and have many years of industrial experience

Check out our other introductory trainings regarding Industry 4.0:

- TCM221 – Introduction to Industry 4.0 with MPS® 203 I4.0 or MPS®TS Compact Trainer I4.0 (589973) for the shop floor
- DT211 – Basics of Industry 4.0 at the CP Factory/CP Lab
- AUT961 - Players 4.0 - Understanding the characteristics and benefits of Industry 4.0