

Digitalization and Industry 4.0 - Advanced

Duration: 2 Days · **Training format:** Virtual Classroom / Online

Description

Technological development and digitalization create huge opportunities for your company to increase customer value by streamlining processes, improving quality, creating new revenue streams and reducing production costs. However, it requires a very difficult struggle. Digitalization of a business; It requires a systematic approach, a change in leadership style and a completely new mindset in the production chain. The "Digitalization and Industry 4.0" training is structured as a step-by-step process to support all developing small to large businesses.

What makes this training program unique?

- Industry 4.0 is approached systematically and provides a much better understanding of the concept
- Technological and strategic issues
- Interdisciplinary perspective
- Cross-industry perspective

Purpose

Globalization is causing companies to meet their competitors in a completely different way. This training provides participants with information about the challenges and opportunities of digitalization and provides a basis for strategic decisions. At the same time, the training focuses on concrete and effective questions as well as pragmatic solutions. The sessions held in the training are designed so that you can use your own situations as a starting point if you wish.

Audience

The training program is aimed at decision makers and employees at companies that want to gain insight into the challenges and opportunities that the new industrial revolution creates.

Outline

Fundamentals of the Digital Industry

- Why Digital Transformation

- Basic Concepts of the Digitalization and Digital Industry
- The Challenges of the Digital Industry
- The Effect of Digitalization on Business Models
- Digital Industry Application Examples

Advanced Concepts of the Digital Industry

- Industry 4.0
- Industrial Communications Networks
- Internet of Things and Applications
- Industrial IoT
- Augmented Reality – Virtual Reality
- 3D printing
- Cloud Computing
- Artificial Intelligence and Applications
- Big Data Technologies and Applications
- Digital Twin
- Cyber Security
- Blockchain Technology

Digital Factory

- Wrap-Up
- Human machine collaboration and assistant systems
- Use of digital industry concepts and technologies in the factory environment
- Digital implementation management