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## Industry 4.0 Fundamentals E-Learning

### Course Description

In 2011, the German Government coined the term Industrie 4.0, addressing the fourth industrial revolution as the next stage in the organisation and control of the entire value stream along the life cycle of a product. Industry 4.0 addresses new opportunities, overcomes internal challenges and generates new business models.

Through this e-learning course, learners will get the opportunity to gain the basic skill sets of Industry 4.0. It covers the approach to implement Smart Factory Concepts supporting digital transformation, and one of the most adopted frameworks to structure a company's digital growth in this area, the Smart Industry Readiness Index.

### Course Objectives

Upon successful completion of this e-learning module, you will have a clear understanding of the following:

- What is Industry 4.0?
- The concept of Agility, of the Development Path and of the Target Functions in Industry 4.0
- The 3 main key processes in Industry 4.0:
  - Vertical Integration
  - Horizontal Integration, and
  - Integrated Product Life Cycle
- Design Principles of Industry 4.0
- Key technologies for a Smart Factory
- Introduction to Smart Industry Readiness Index

### Who should attend

This course is specially designed for manufacturers who are interested in understanding more about Industry 4.0, consultants who want to validate their knowledge and new learners who wish to enhance their career development.

**Prerequisite:** English Language Proficiency, minimal knowledge of the basic manufacturing processes is welcome but not essential

### Methodology

The course employs a variety of training tools such as content-embedded assessment, and other interactive exercises to enhance the learning experience. Easily accessible via your preferred choice of device, the course allows you to log in and learn whenever, wherever. The cumulative duration of the programme is 50 minutes, after which you will be required to pass a quiz to receive your e-certificate with a unique ID.

### Who is the course advisor?

Designing the content course and structure are domain experts from TÜV SÜD. With immense experience and knowledge in the relevant industry frameworks, our team of technical experts at TÜV SÜD, developed the course content based on current business landscape and market requirements.

### What are the benefits of enrolling in this course?

- **World-Class Training**  
Learn from TÜV SÜD's industry experts and training specialists and obtain a globally recognized certificate.
- **Flexible Learning Style**  
Study in your own time, at your own pace

**Sale Modes:** Single License, Group License, SCORM Sale

**Duration:** 50 minutes

**Number of Chapters:** 2

**Learning Mode:** Self-Paced (LMS)

**Language:** English