

Digital Skills for Industry 4.0

Introduction

With the arrival of Industry 4.0, industry managers are faced with new scenarios and processes and they need to develop new leadership competences and digital skills in line with the technological changes. They need to update their companies and keep up with the latest innovations.

Challenges to be faced by the industrials:

- Higher level of automation and interconnectivity in the manufacturing process
- New tools, technologies and machines to be used in the manufacturing process
- Acquisition of new skills: ICT skills and e-leadership
- Data-based manufacturing, customer-oriented

The Skills You Need to Build 4.0 Industries

Digital Skills

- Basic Knowledge about Information Technology. Ability to use smart devices.
- Understanding IT security and Data protection
- Ability to work with data. Data-based decision making

Management and personal skills

- Ability to lead transformation process within the organization
- Understanding new customer needs and digital interactions

Competences for a 4.0 Decision-maker

- Know how to apply Business Analytics tools for strategic decision making.
- To be an expert in how to sell through digital, social and mobile channels.
- To lead the company by encouraging collaborative work, the participation of middle management in decision-making, fostering a culture of constant innovation.
- Know the main available and enabling technologies of 4.0 and how they can be incorporated into the production process.
- Apply 4.0 to the entire value chain

Suggested Training path

Those managers and decision-makers of industrial SMEs interested in developing digital transformation processes in their businesses can follow our training courses designed to introduce the readers to the main concepts of 4.0 as well as familiarize them with related processes and technologies.

In the learning area section you will find all the courses but the RESTART project team has made the following

selection aimed at meeting the needs, previously detected, of managers in the analysis phase.

- Introduction to Industry 4.0
- Definition of Cloud Computing: Key concepts
- Cloud Models
- Advantages of cloud computing for SMEs
- Digital Factory Tools
- Implementing the Smart Factory
- Introduction to e-commerce
- e-leadership
- Big Data
- Industrial Security