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VEZETÉSI TANÁCSADÓ ÉS
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1125 BUDAPEST, ISTENHEGYI ÚT 11/C.

INDUSTRY 4.0

2 DAYS

THE GOAL OF THE TRAINING:

Preparing staff to apply Industry 4.0 solutions. Overview of Industry 4.0 opportunities and solutions. Acquiring the basic conceptual and theoretical knowledge necessary for the application of Industry 4.0.

1. day

Industry 4.0 basics

- Industry trends, changes, future challenges and opportunities
- Factors to increase competitiveness
- The meaning and elements of Industry 4.0
- History and evolution of INDUSTRY 4.0
- Digitalisation
- Automation
- Internet of Things, Networking of devices
- Smart factory, Cyber Physical systems
- Connecting physical and virtual reality
- Digital twin
- BIG Data

Industry 4.0. systems

- Architecture of Industry 4.0 systems
 - How Industry 4.0 systems work
 - Technology platforms, SCADA
 - Opportunities for Industry 4.0
 - Industry 4.0. solutions
 - Industry 4.0 Application, Case studies
 - The impact of Industry 4.0 on business operations
 - Human-Machine Interfaces
- Industry 4.0 Simulation Game

Increasing efficiency

- Production systems

- Flexibility, speed, efficiency
- Value stream optimisation
- Business model innovation
- Decision making and problem solving

2. day

Conditions for Industry 4.0

- Lean approach, principles
- Process and systems approach
- Management by facts
- Measurement, data collection, sensors
- Real-time, online data collection and analysis
- Visualisation, transparency
- Technical conditions
- Organisational conditions
- Analytical capability
- Preparing staff for the Industry 4.0 environment
- Information security
- Risk management

Industry 4.0 readiness questionnaire - self-assessment