Demo Center – Factory of the Future

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The vision, main purpose of the Demo center »FoF« - LASIM

Education and training of students

Education and workshops for industrial partners

Project work and Technology testing
Key Technologies in demo center LASIM

Architectural Models of Smart Factory

Distributed Systems and EC

DIGITALIZATION
Digital twin and digital agents

Data analytics

Smart manual assembly

Human-robot interaction (Cobotics)

AR and VR

AI-based algorithms
Distributed systems and Edge Computing

Legend

- Direction of material flow
- Workstation
- Information flow between nodes
- Warehouse
- Information flow between a node and an element of the assembly line
- Manual workstation

Holon
- Local digital agent
- Local digital twin

Holon
- Global digital agent
- Global digital twin

Cloud
- LPM
- RFID

5G
10
9
8
7
6
5
4
3
2
1

Local digital twin
Holon
Global digital twin
Holon
Global digital agent
Thank you for your attention!

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