Cognitive Digital Twin towards Factory Resilience

Digital Twins
Real-Time context capturing

- Complex and holistic production demonstrators
- Product, Process, Factory Digital Twins
- Real-time data capturing and management

Real-Time Product, Process, Production Simulation and Optimization

- Robotics and autonomous vehicles (AGVs)
- Production simulation and optimization

AI-based adaptive production and continuously improvement

- Context reasoning and interpretation
- Simulation, Analysis, AI-based Optimization
- Optimization measures and automation
- Connected humans and Digital Twins Knowledge without boarder