

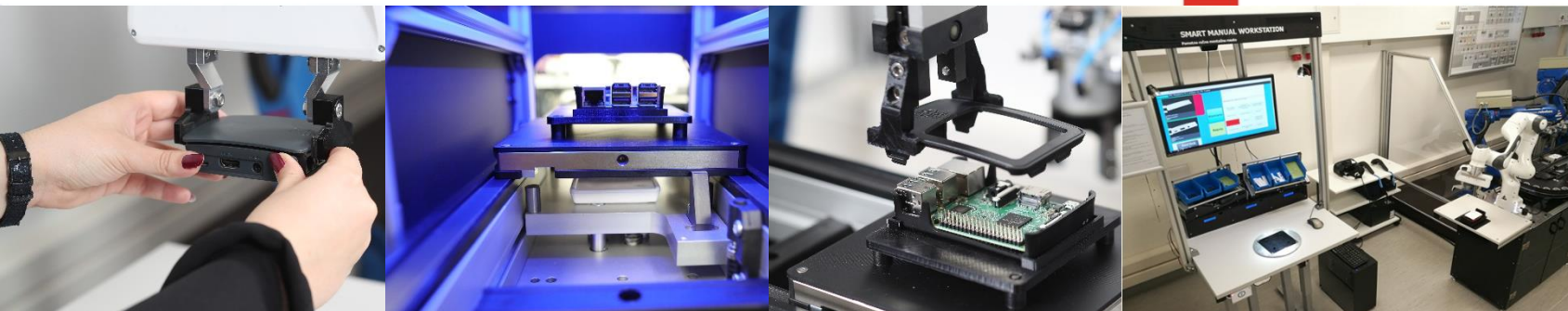


REPUBLIC OF SLOVENIA
 MINISTRY OF ECONOMIC DEVELOPMENT
 AND TECHNOLOGY

University of Ljubljana
 Faculty of Mechanical Engineering



EUROPEAN UNION
 EUROPEAN REGIONAL
 DEVELOPMENT FUND



LASIM

LABORATORY FOR HANDLING, ASSEMBLY AND PNEUMATICS

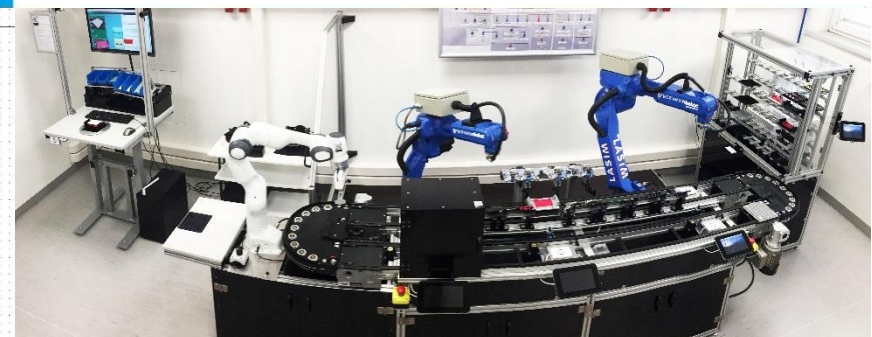
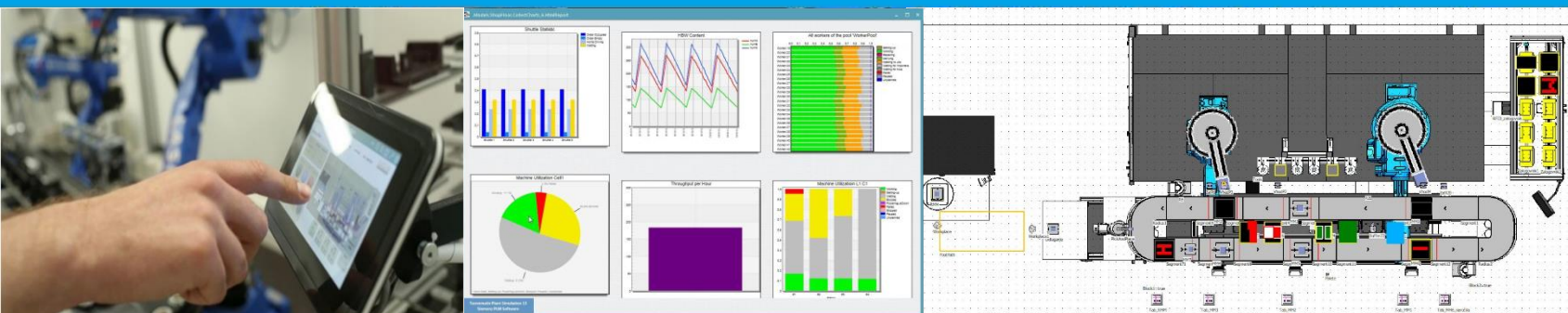


Strategic Research Innovation Partnership
 FACTORIES OF THE FUTURE

Demo Center – Factory of the Future

Marko Šimic

University of Ljubljana, Faculty of Mechanical Engineering, Laboratory LASIM

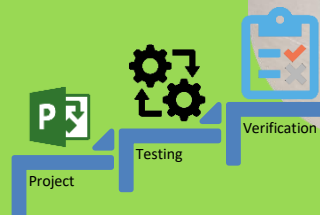
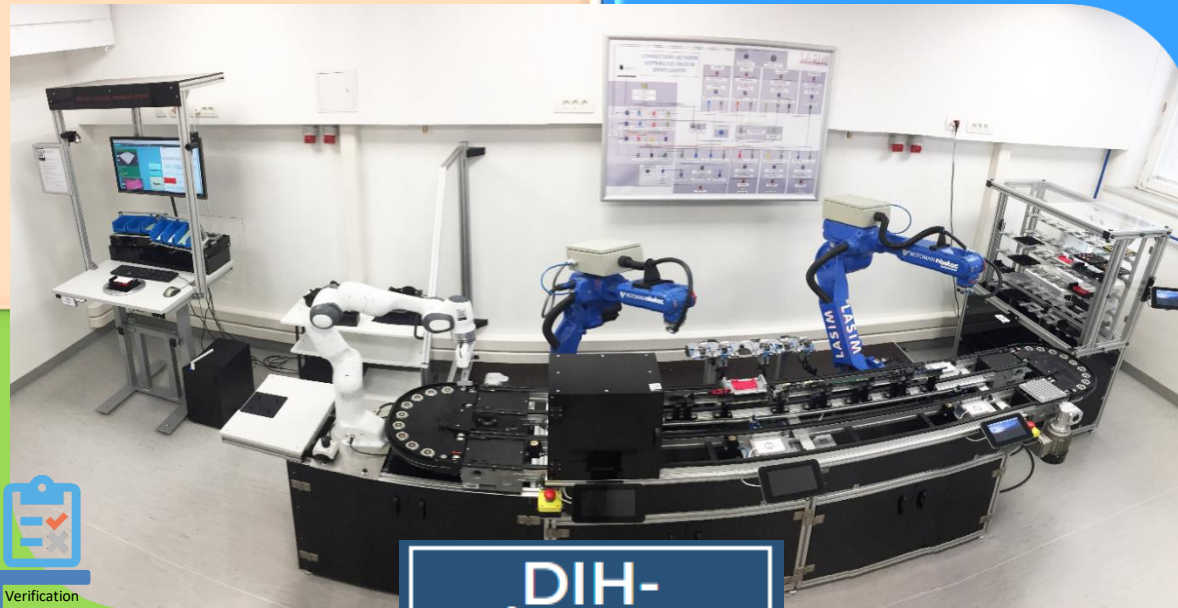


The vision, main purpose of the Demo center »FoF« - LASIM

**RESEARCH
& DEVELOPMENT**



**Education and training
of students**



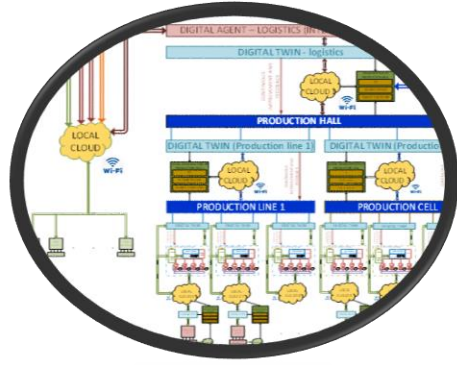
**DIH-
DiTMaPS**



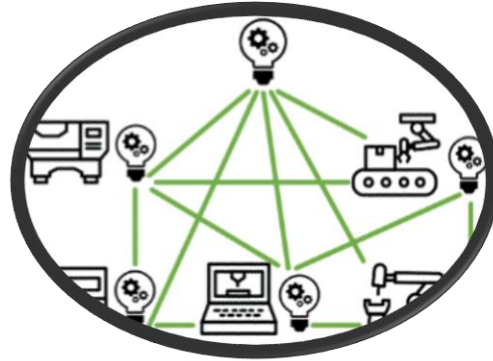
**Project work and
Technology testing**

**Education and workshops
for industrial partners**

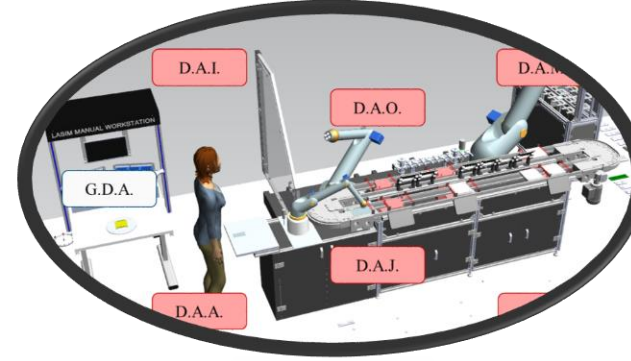
Key Technologies in demo center LASIM



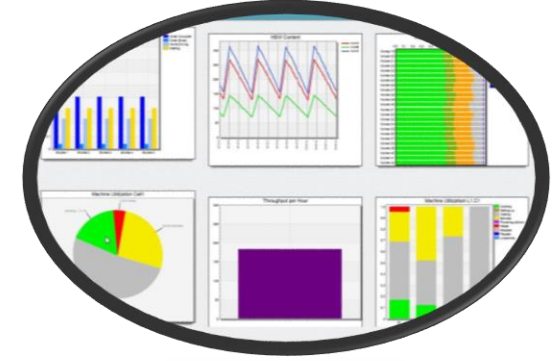
Architectural Models of Smart Factory



Distributed Systems and EC



DIGITALIZATION
Digital twin and digital agents



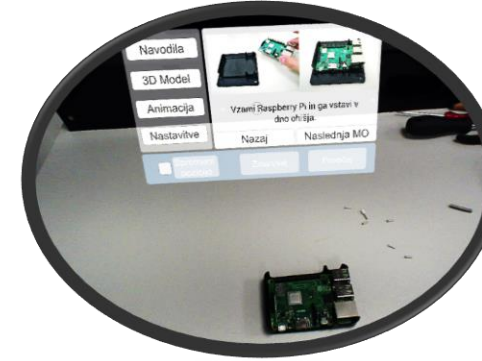
Data analytics



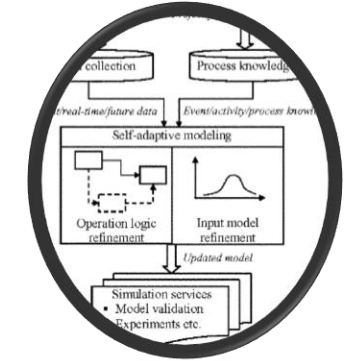
Smart manual assembly



Human-robot interaction (Cobotics)

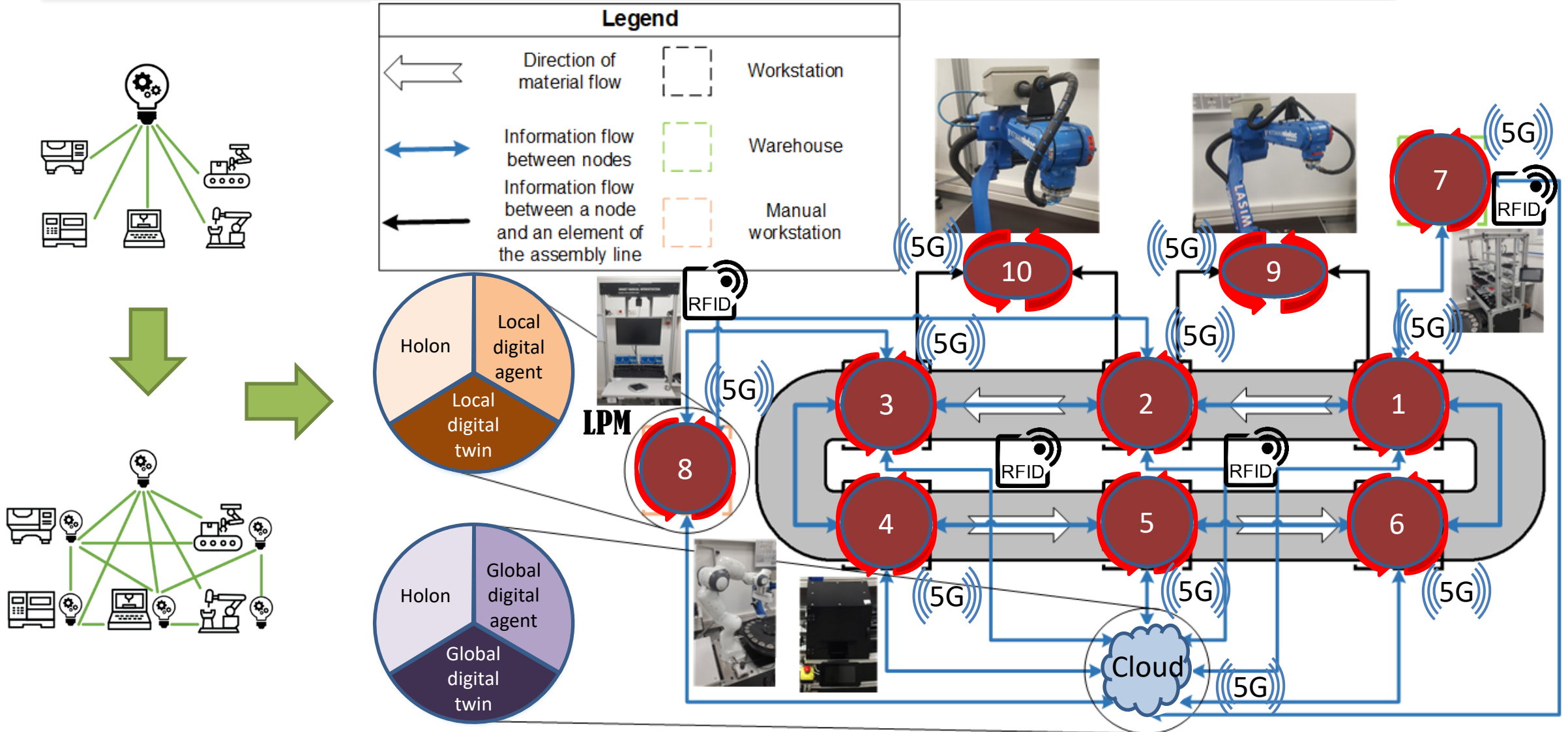


AR and VR



AI-based algorithms

Distributed systems and Edge Computing





Thank you for your attention!

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<https://web.fs.uni-lj.si/lasim/index.php?page=home>

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