



An ITEA / Penta-Euripides Smart industry project

# AISSI

25  
years



ITEA 4  
1998-2023



## Autonomous, integrated scheduling for semiconductor manufacturing

### Project summary

Digitalisation increases demand for microchips, shorter product lifecycles and a wider variety of customer-specific devices. Therefore, AISSI (Autonomous Integrated Scheduling in Semiconductor Industry) will develop AI-based approaches to autonomous production and maintenance scheduling to improve semiconductor quality, efficiency and cost-effectiveness.

### Consortium

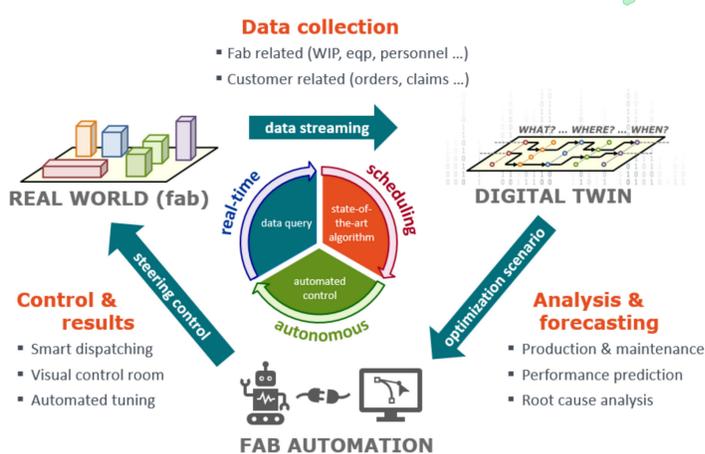


### Project duration

June 2021 - May 2024

### Expected key results

- > **Enhanced Chip Throughput, Quality and On-Time Delivery:** AISSI aims developing explainable AI and digital twins for analysis, forecasting and steering the semiconductor manufacturing.
- > **Revolutionary Scheduling System:** AI scheduling agents allows real-time adjustments and adaptability to changing demands, optimal equipment utilization and market dynamics.
- > **Standardized Interfaces of Advanced Technologies:** The AISSI Platform will define standardized interfaces for communication between advanced technologies like digital twins and AI powered scheduling solutions in semiconductor environments.



### AISSI project website

<https://aissi-project.com/>



SCAN ME



### Contact

Andrej Gisbrecht  
Bosch - Germany  
E: Andrej.Gisbrecht@de.bosch.com

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