



An ITEA Smart engineering project

AIToC

Using AI to improve manufacturing engineering

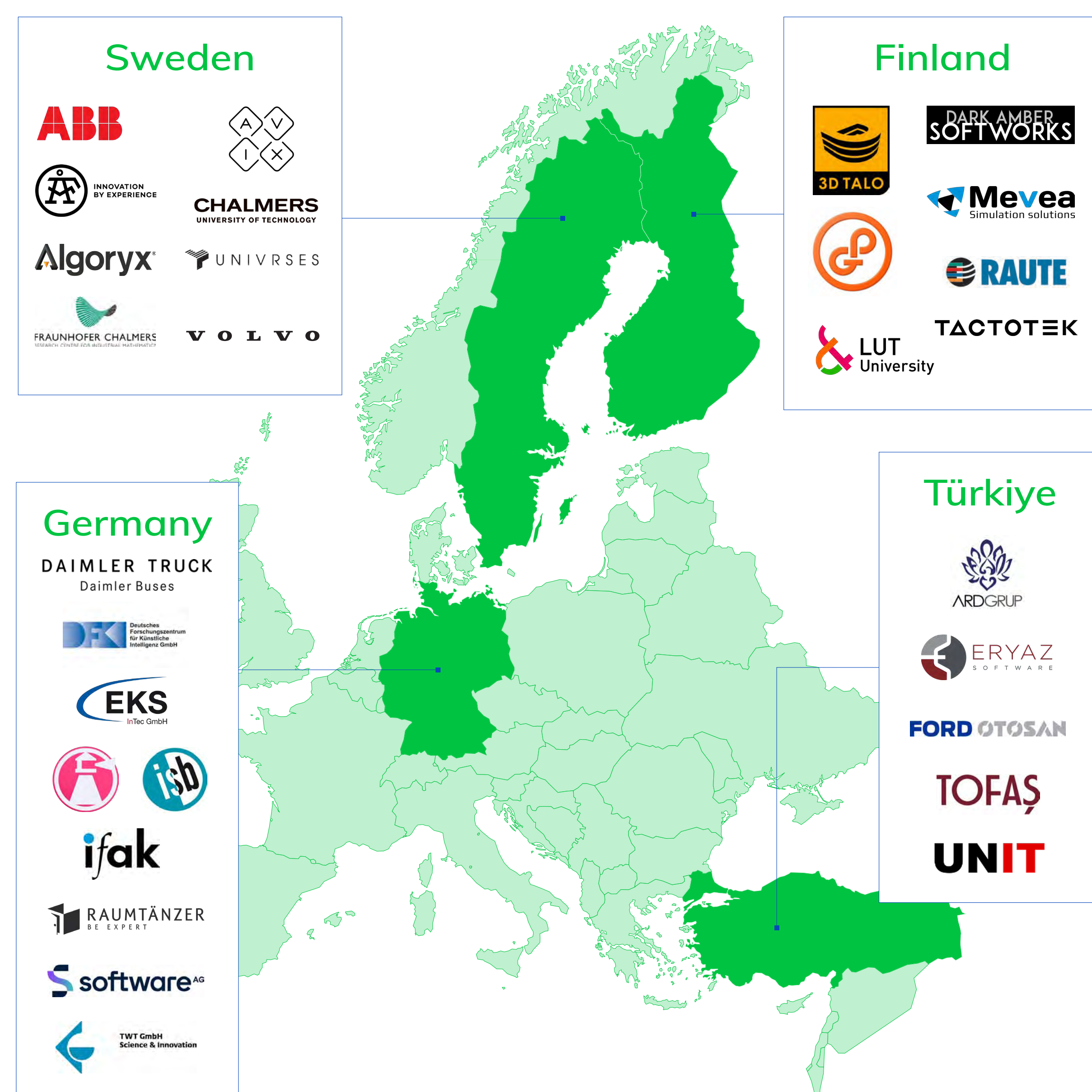
Project summary

By utilising artificial intelligence methods, the ITEA project AIToC developed an integrated toolchain to support manufacturing engineering. The project focused on supporting process planning, data-driven creation of digital twin models as well as layout optimisation.



Winner
ITEA Award
of Excellence
2024
Business
impact

Consortium



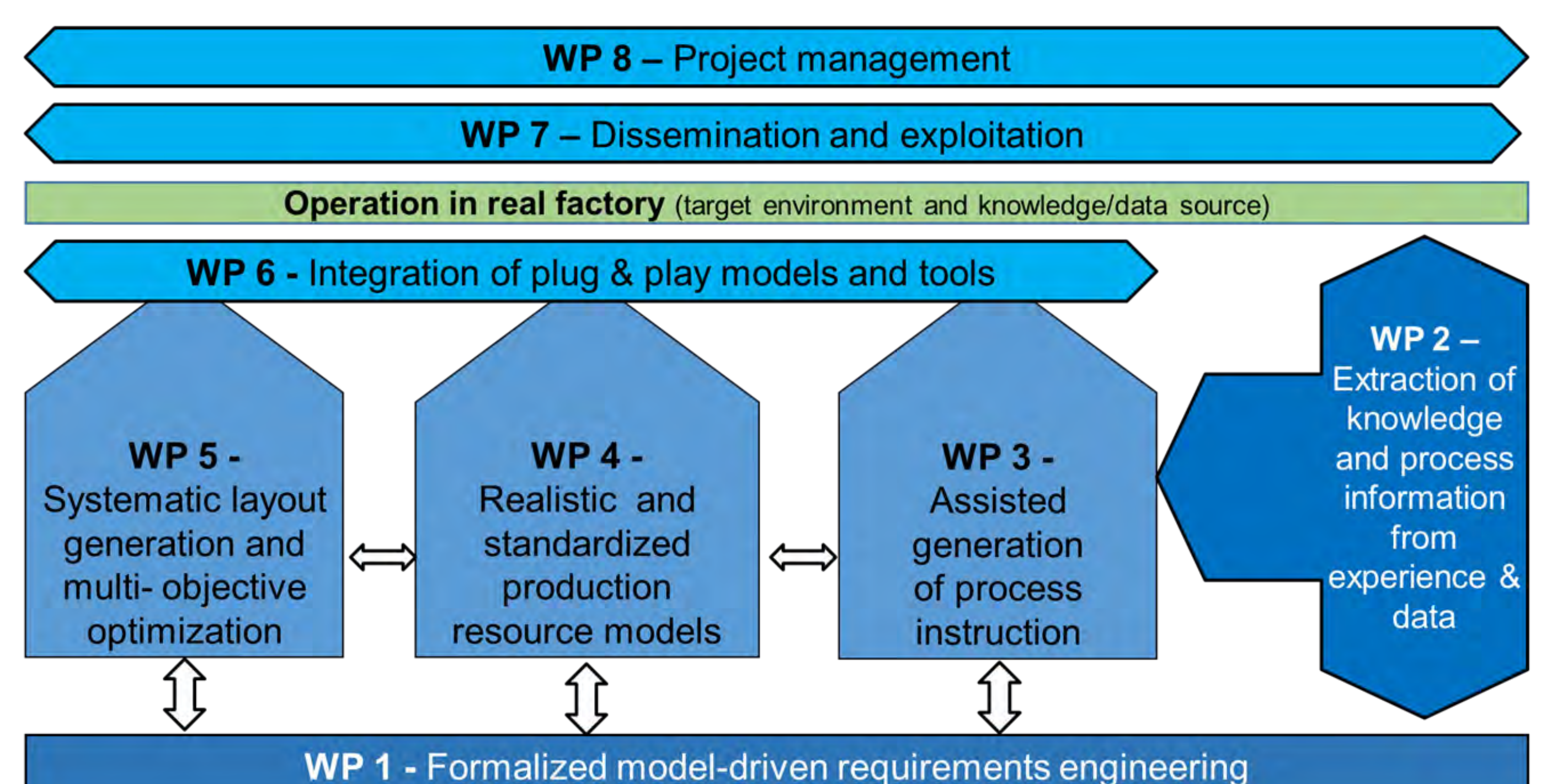
Project duration

October 2020 - February 2024

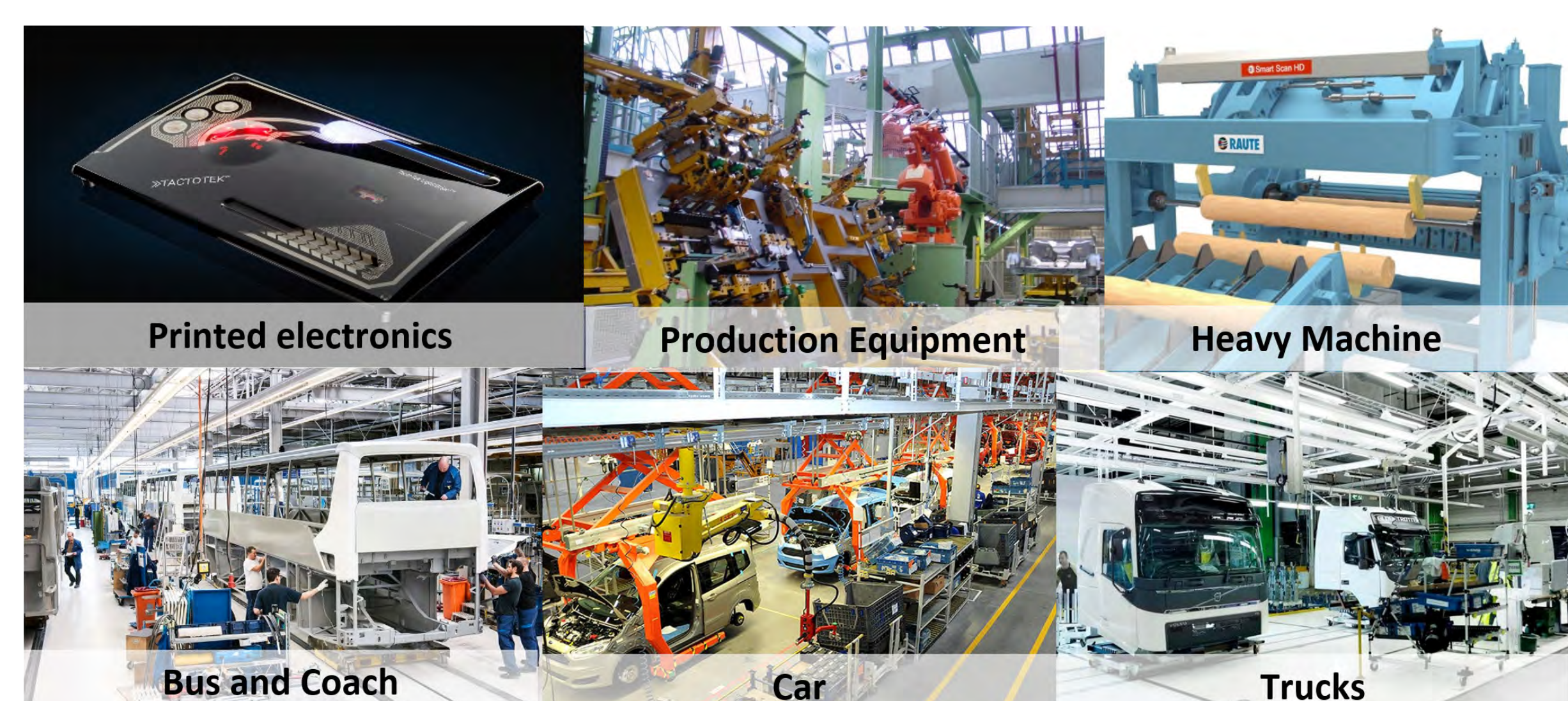
Key results / Unique advantages

- > AI-based assistance in generation of process plans and instructions
- > AI-generated models and support for co-simulation of humans and machines
- > Systematic layout generation and AI-based logistic planning

AIToC workpackage overview



Addressed Manufacturing Markets



Contact

Kristofer Bengtsson
Volvo Group - Sweden
E: kristofer.bengtsson@volvo.com T: +46 739 029 871

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**BUSINESS
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VINNOVA
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TÜBİTAK