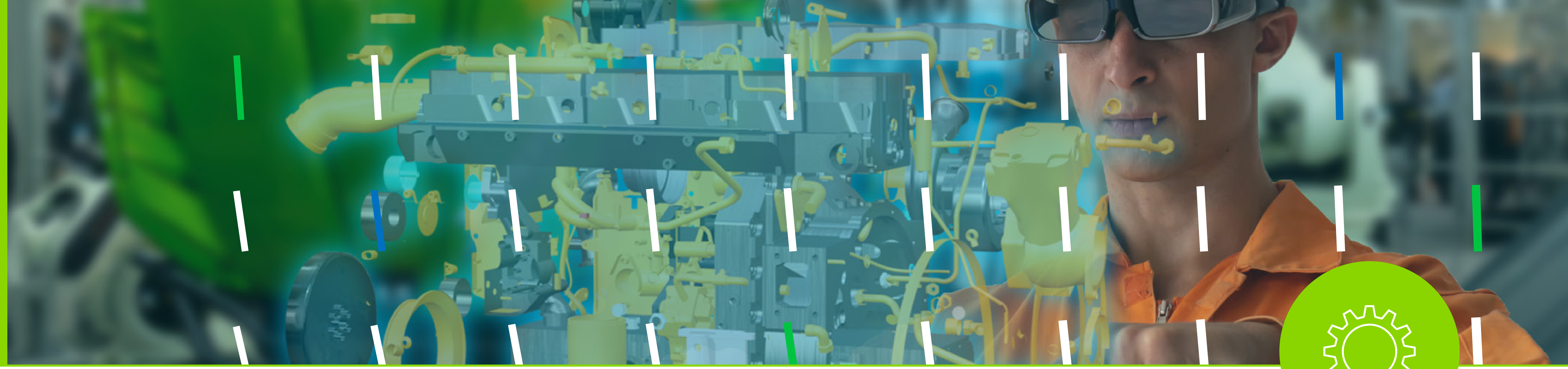




An ITEA Smart Industry project

ARTWORK

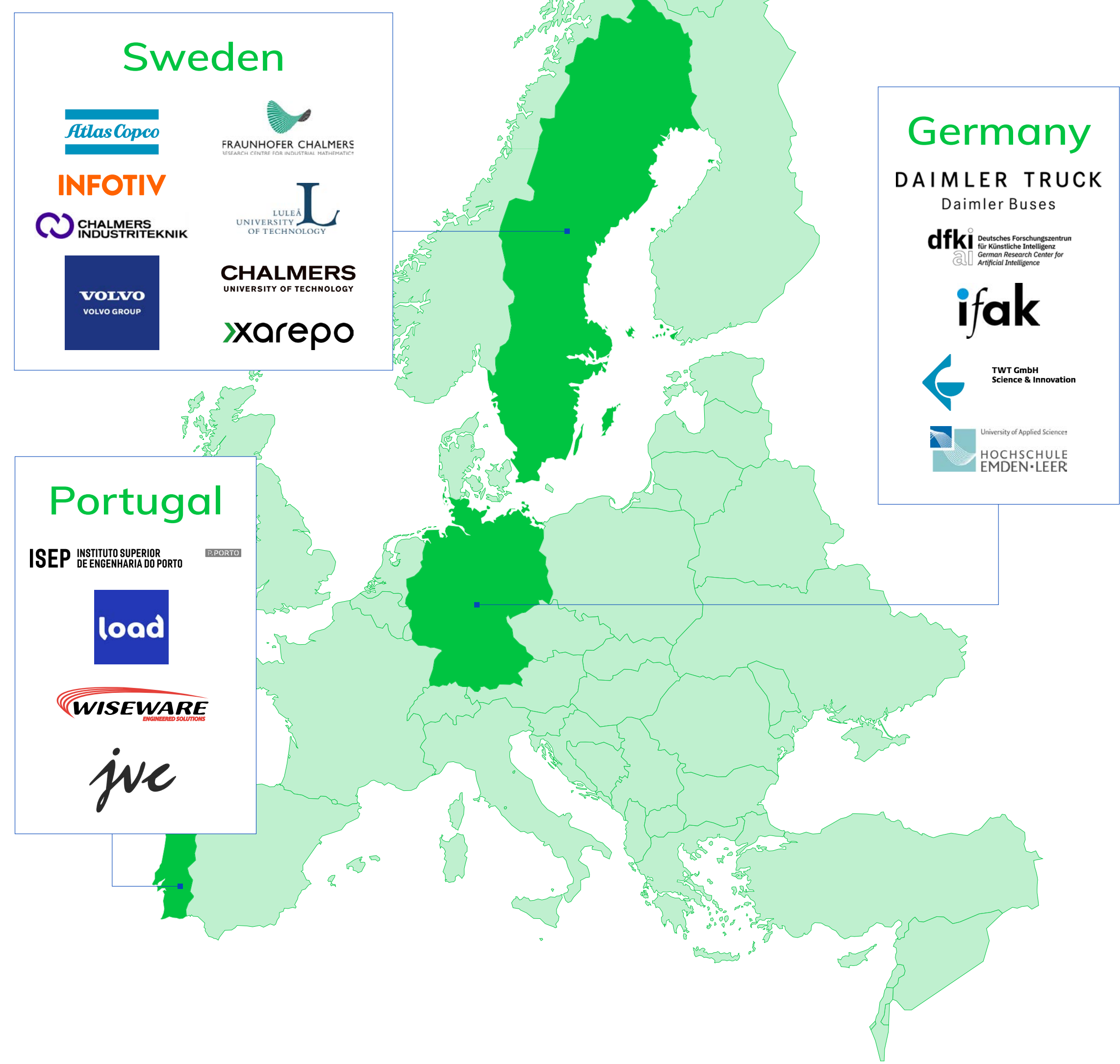


SmART and connected WORKer

Project summary

ARTWORK is developing a real-time assistance system for manual plant workers. It will include Digital Twins of workers and equipment, smart planning and instruction generation, and a feedback system. The goal is to connect workers to the production line and automatically generate context-based process instructions, enabling more efficient customization. The system also provides decision support for engineers in dynamic line balancing and workflow planning, tools for team leaders to allocate operator roles, and for line managers to manage late-stage product sequencing changes.

Consortium



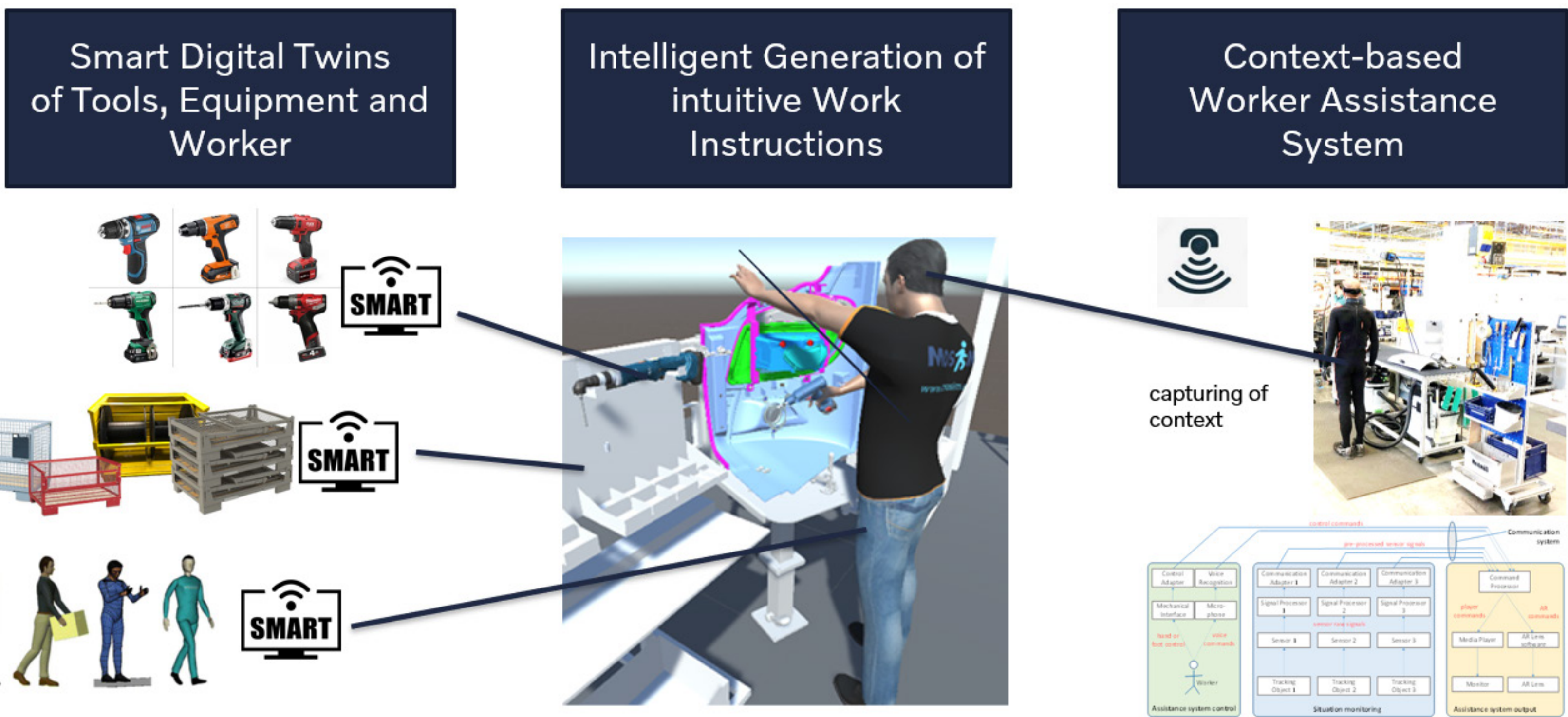
Project duration

March 2024 - February 2027

Rationale

- Tools for creating and using digital models and digital twins for manual workstations are missing
- Instructions and task sequences for individualized products are hard to create
- An adaptive and smart system that can assist the worker does not exist

Unique advantages



Leaflet



Website



itea4.org/project/artwork.html



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