



An ITEA Smart engineering project

UPSIM

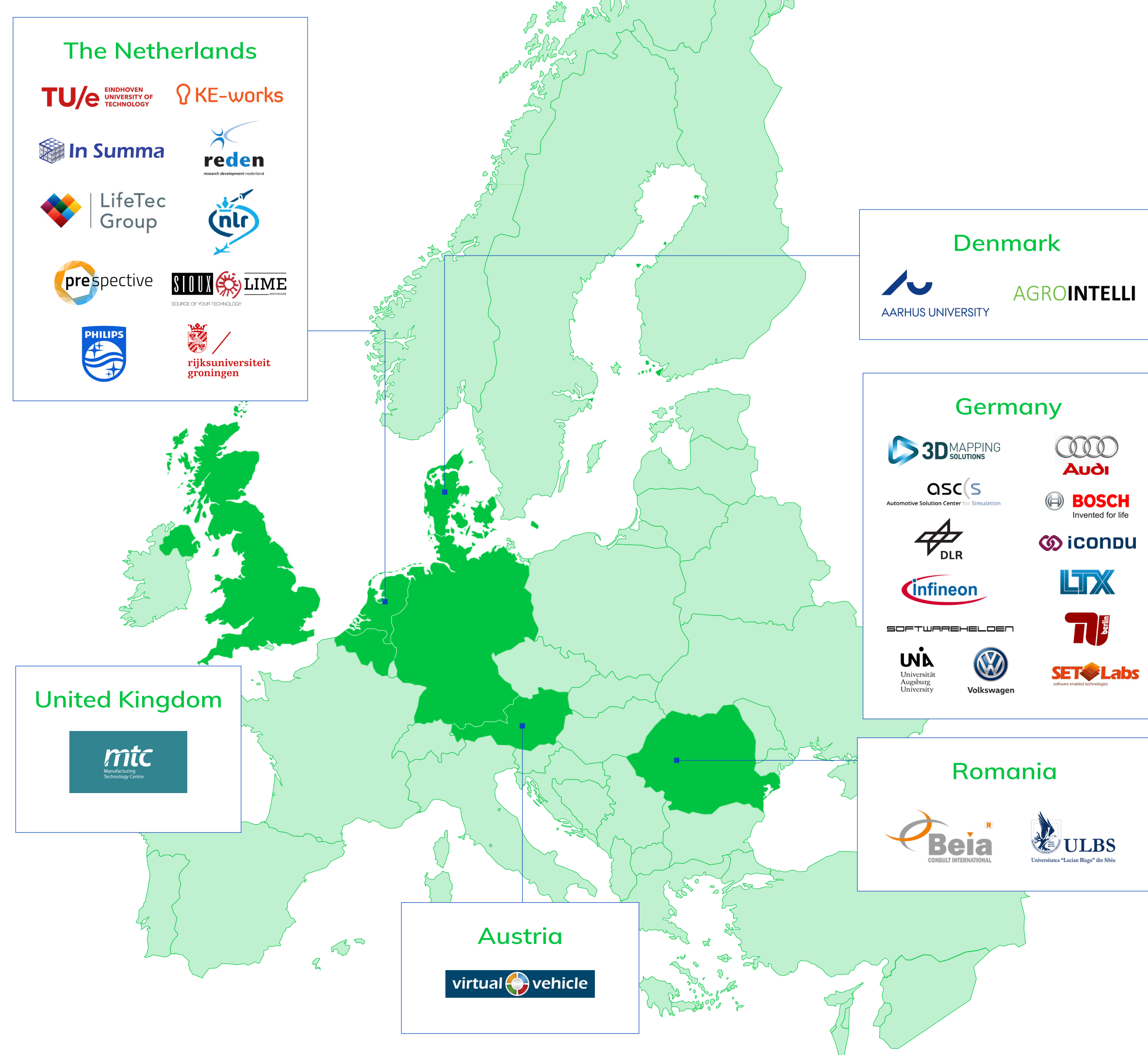


Unleash the potentials of simulation

Project summary

Increasing trust in system modelling and simulation is essential for enabling Digital Twin enriched system development, production, and operation. The ITEA 3 UPSIM project aims for system simulation credibility via introducing a formal simulation quality management approach, encompassing collaboration and continuous integration for complex systems.

Consortium



Project duration

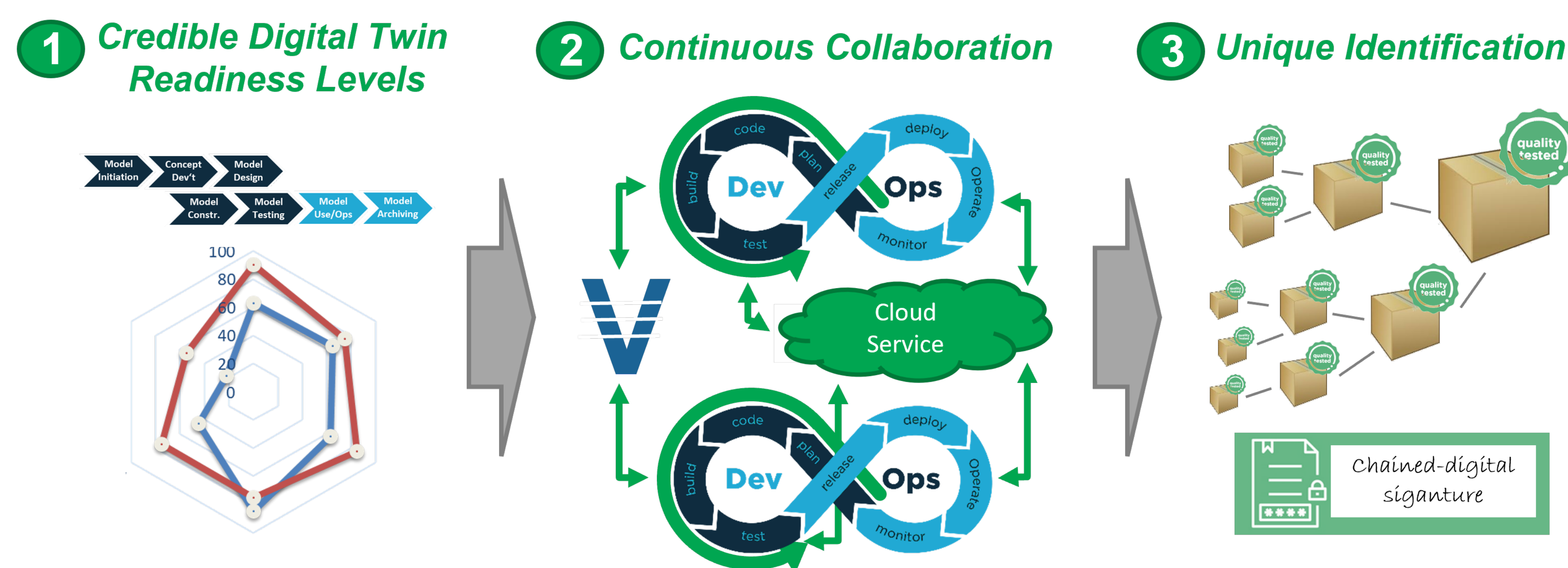
October 2020 - December 2023

Key results

- > Simulation Process Assessment Model (M&S SPICE) for capability determination
- > Credibility Development Kit (CDK Library) for Modeling and Simulation Artefact Quality assessment
- > NeuralFMU Toolboxes for AI-augmented Functional-MockUp-Units (FMUs)
- > Collaborative M&S quality traceability by automated off/on-chain verification

Website & Video

UPSIM approach for providing Credible Digital Twins



<https://upsim-project.eu/>



<https://bit.ly/47VB9Ey>



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