



An ITEA / Penta-Euripides Smart engineering project

ASIMOV

25
years



ITEA 4
1998-2023

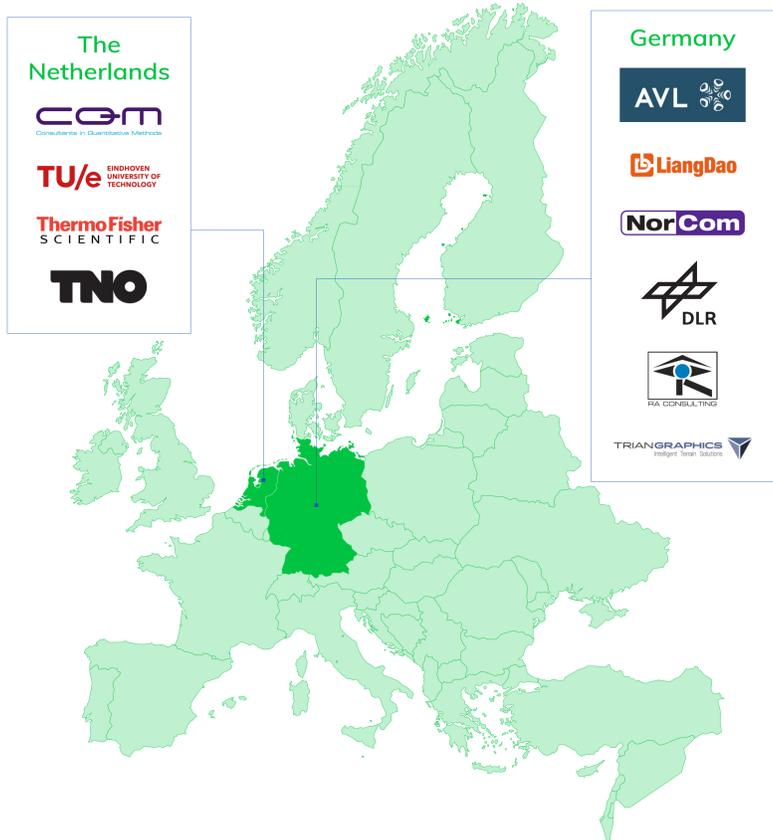


The power of digital twins and AI for cyber-physical systems

Project summary

As cyber-physical systems (CPS) grow more complex, self-optimisation becomes increasingly desirable. The Joint AI Call 2020 project ASIMOV (AI training using Simulated Instruments for Machine Optimisation and Verification) aims to realise this via the combination of innovative digital twinning and AI technologies.

Consortium



Project duration

June 2021 - June 2024



<https://asimov-project.eu>

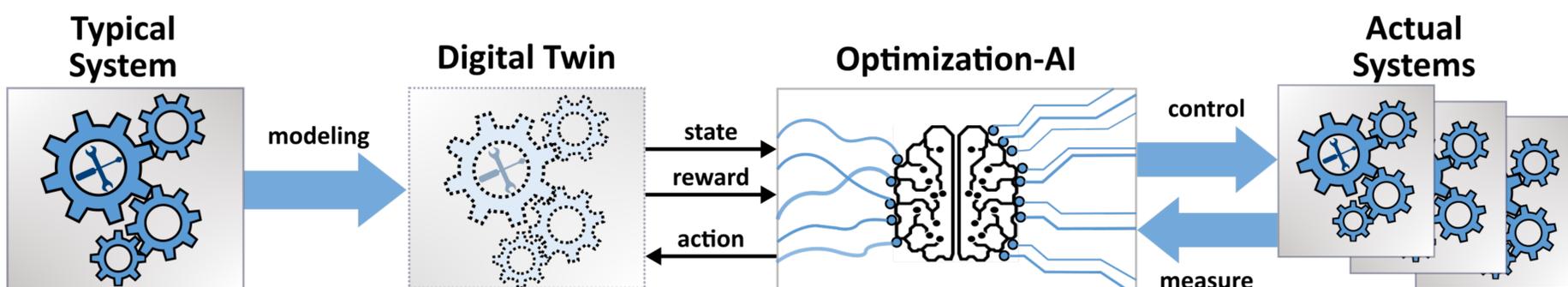
Project goal

- > Digital Twin-based AI training for optimization of CPSs
 - > Development and application of techniques and methods for the generation of a Digital Twin and model-based AI training

Project key results

- > Consideration on parameter identifications for Digital Twin
- > Architecture of optimized Digital Twin
- > Architecture for Digital Twin based AI training
- > Methods and tools for training AI with Digital Twin

ASIMOV process



Contact

Mehnoush Hajnorouzi
Deutsches Zentrum für Luft- und Raumfahrt - Germany
E: mehnoush.hajnorouzi@dlr.de T: +49 441 770507 211

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