

An ITEA Smart Engineering project

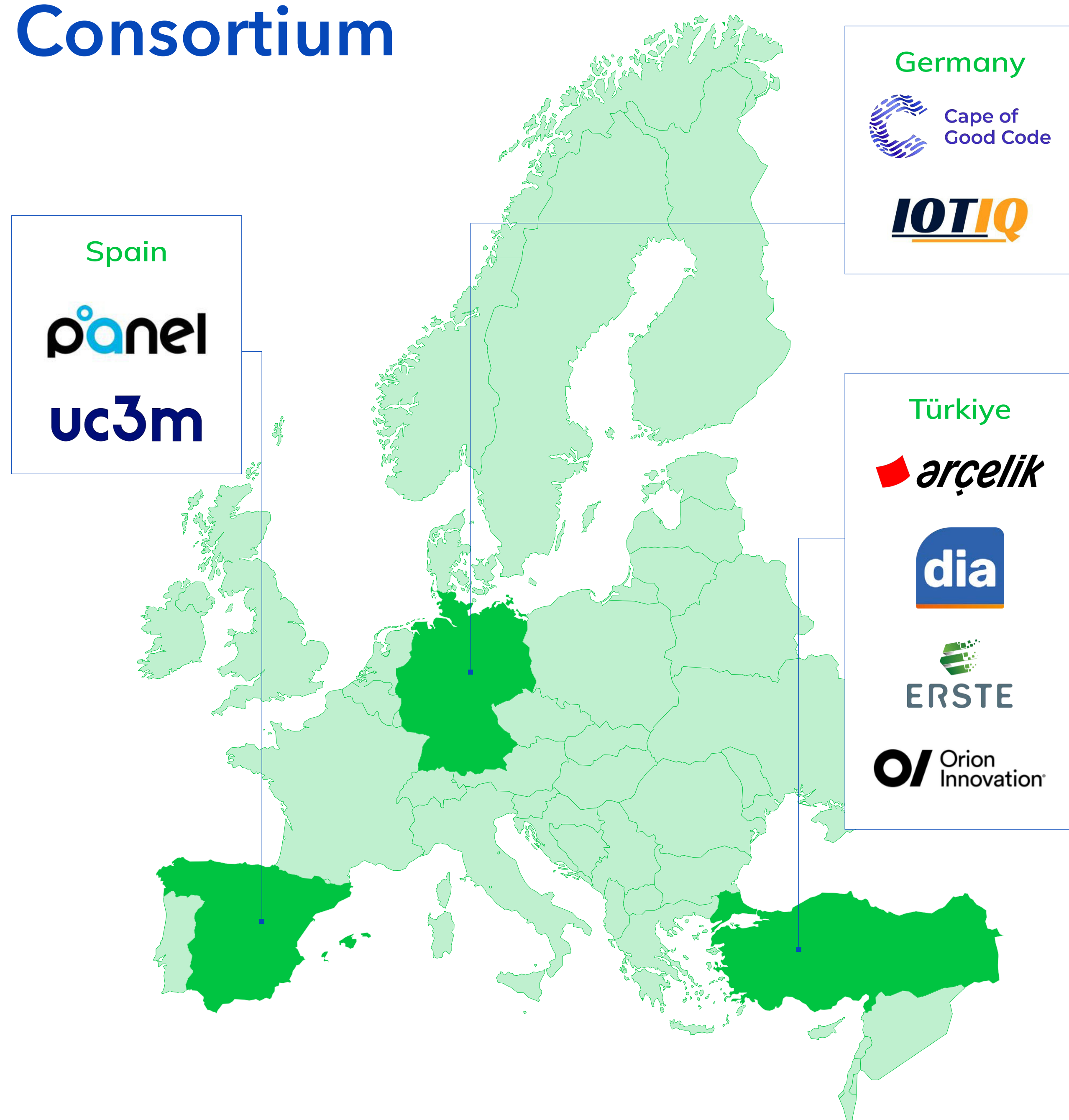
SOSIS

Software product line Optimization for Safety- and mission-critical Industrial Systems

Project summary

SOSIS develops AI/ML- and model-based solutions to manage software variability across requirements, development, testing, and deployment. By enabling intelligent reuse, optimized testing, earlier fault detection, and reuse of certification artefacts, SOSIS reduces development and validation effort for safety- and mission-critical systems.

Consortium



Leaflet



SCAN ME

Website



SCAN ME

itea4.org/project/sosis.html

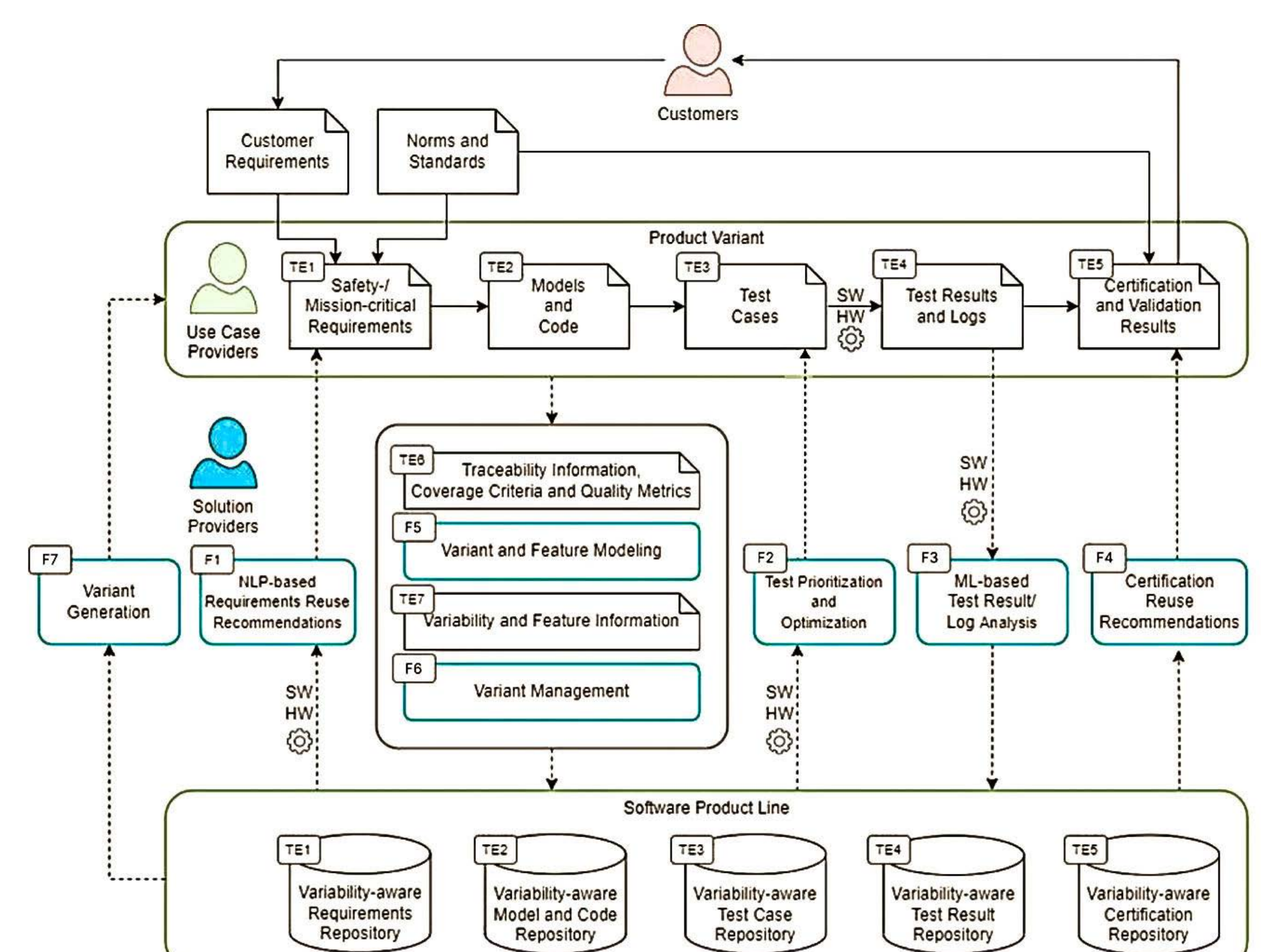
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SOSIS
solution
concept

Project duration

May 2024 - April 2027

Expected key results / USPs

- > ANLP-based requirements analysis and reuse recommendations
- > Model-based variability management across the software lifecycle
- > AI/ML-based test prioritization and intelligent log analysis
- > Reuse of certification artefacts to reduce recertification effort
- > Semi-automated generation and verification of new product variants



Contact

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This ITEA project is supported by:

