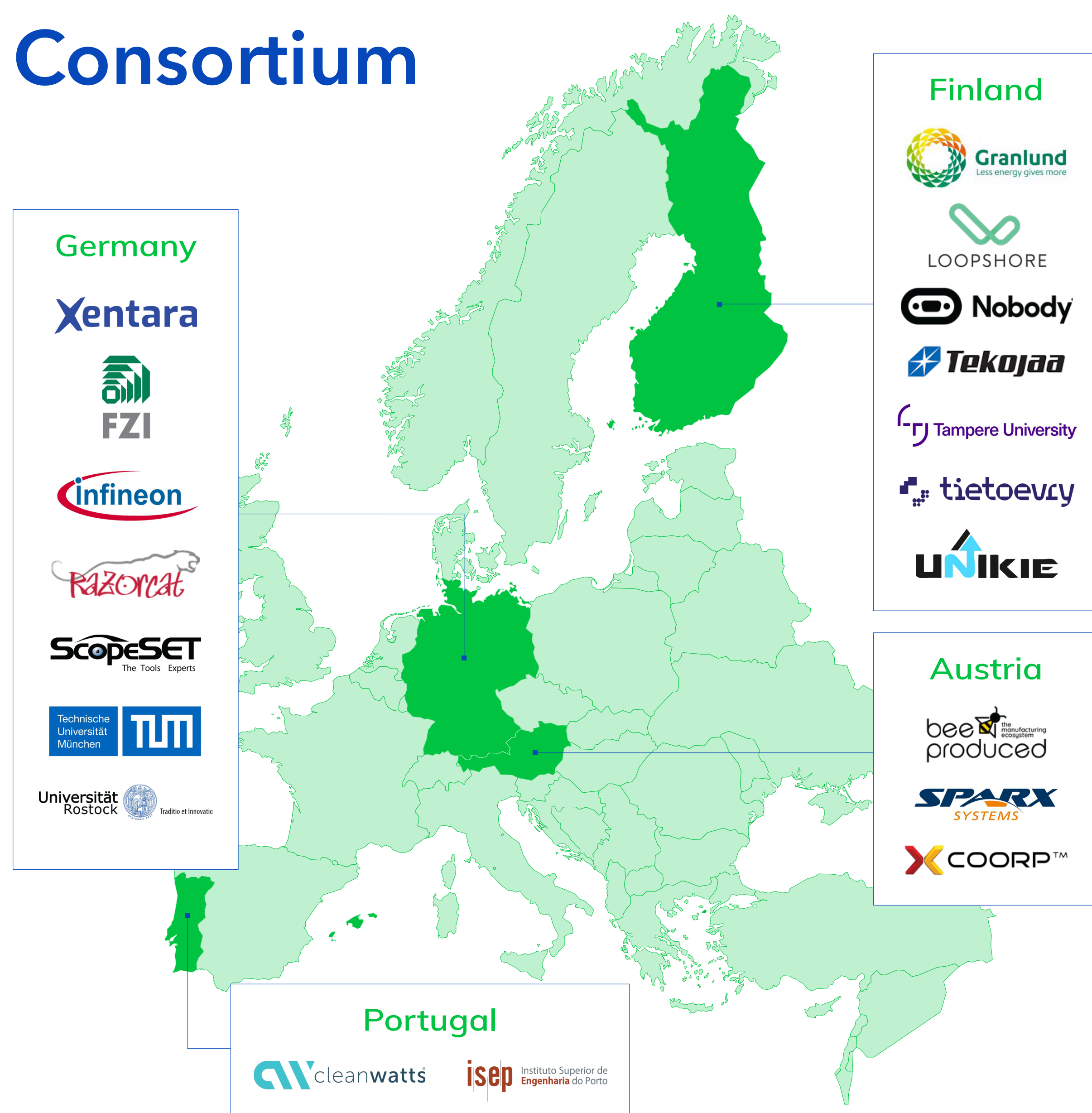# GenerIoT

Supporting IoT beyond deployment

ITEA4

Project summary

GenerIoT (Generating and Deploying Lightweight, Secure and Zero-overhead Software for Multipurpose IoT Devices) aims to bridge the development and operations lifecycles by delivering DevOps for secure IoT systems. This will follow a Model Based Systems Engineering (MBSE) approach that ensures consistent system models for software implementation, device hardware and communication channels.

Consortium

Germany
- Xentara
- FZI
- Infineon
- Razorcat
- ScopeSET The Tools Experts
- Technische Universität München (TUM)
- Universität Rostock

Finland
- Granlund Less energy gives more
- LOOPSHORE
- Nobody
- Tekojaa
- Tampere University
- tietoevry
- UNIKIE

Austria
- bee produced
- SPARX SYSTEMS
- X COORP™

Portugal
- cleanwatts
- isep Instituto Superior de Engenharia do Porto

Project duration

January 2023 - December 2025

Expected key results

> Modelling methodology, including meta models and related tools, to support a holistic model-driven development cycle
> Code generators, prototyping frameworks, test frameworks as well as maintenance of operation to support development and operation through a higher degree of automation
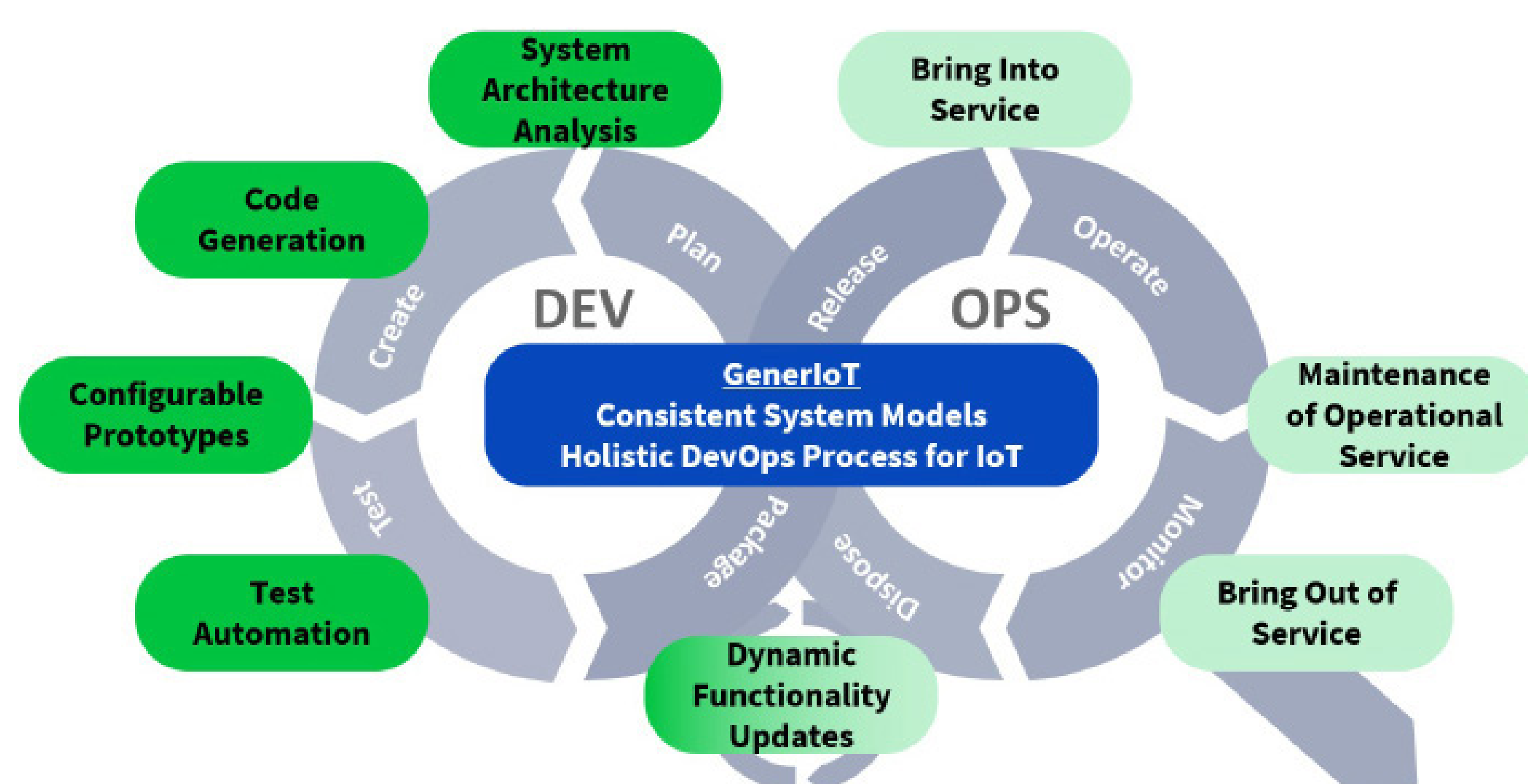
Unique advantage

> **USP**: Consolidating various information bases during design and operation of IoT systems

GenerIoT Project website

[QR CODE]

SCAN ME

https://www.edacentrum.de/generiot/

MDG for Iot-PML: Modelling language

[QR CODE]

SCAN ME

System Architecture Analysis · Bring Into Service · Code Generation · Configurable Prototypes · Plan · Create · Release · Operate · DEV · OPS · **GenerIoT Consistent System Models Holistic DevOps Process for IoT** · Maintenance of Operational Service · Test · Package · Dispose · Monitor · Bring Out of Service · Test Automation · Dynamic Functionality Updates

Contact

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