

An ITEA Smart engineering project

GenerIoT

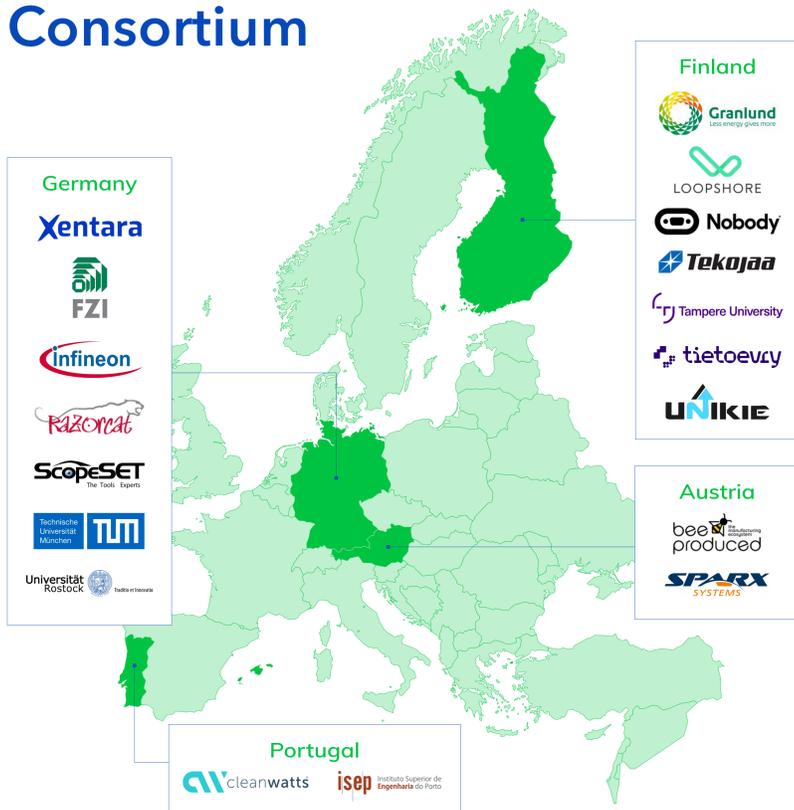


Supporting IoT beyond deployment

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



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

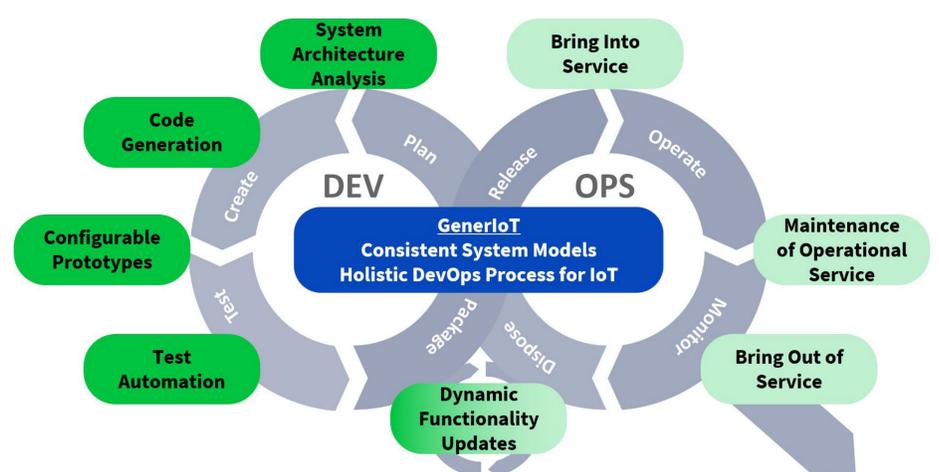


<https://www.edacentrum.de/generiot/>

Initial system modelling approach (IoT-PML)



www.sparxsystems.eu/iot



This ITEA project is supported by:



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