

An ITEA Smart engineering project

# GenerIoT

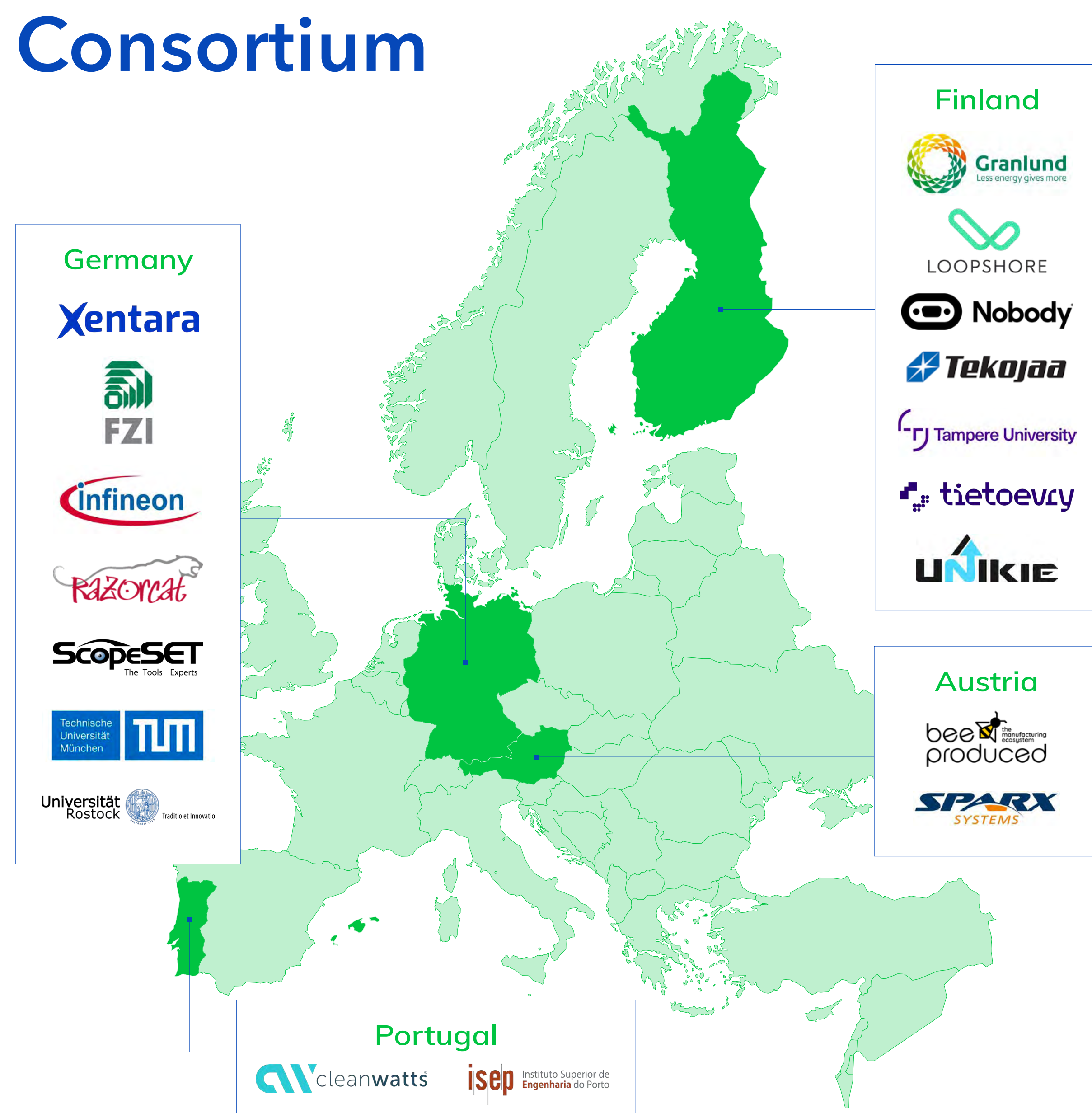
Supporting IoT beyond deployment



## 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

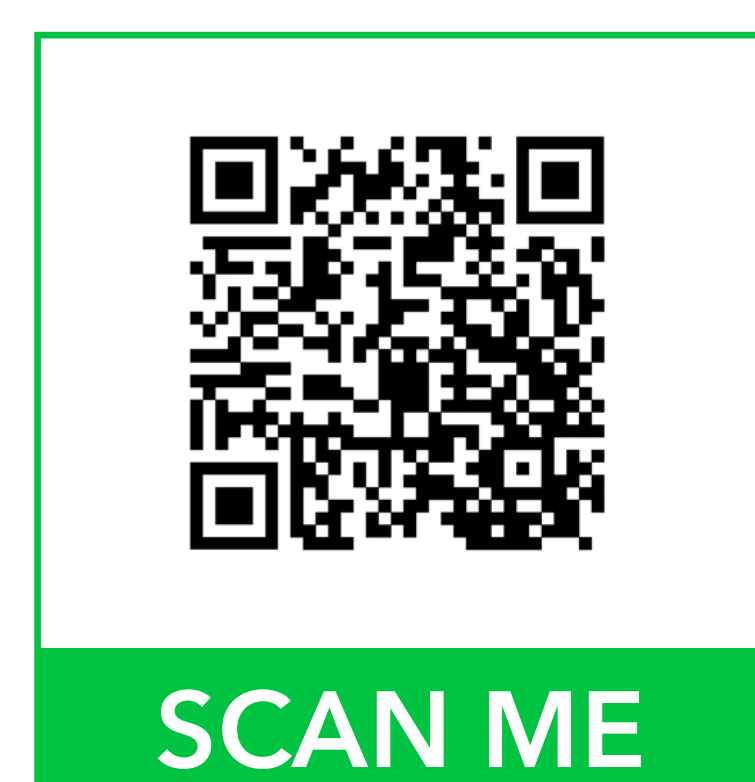
## Expected key results

- 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

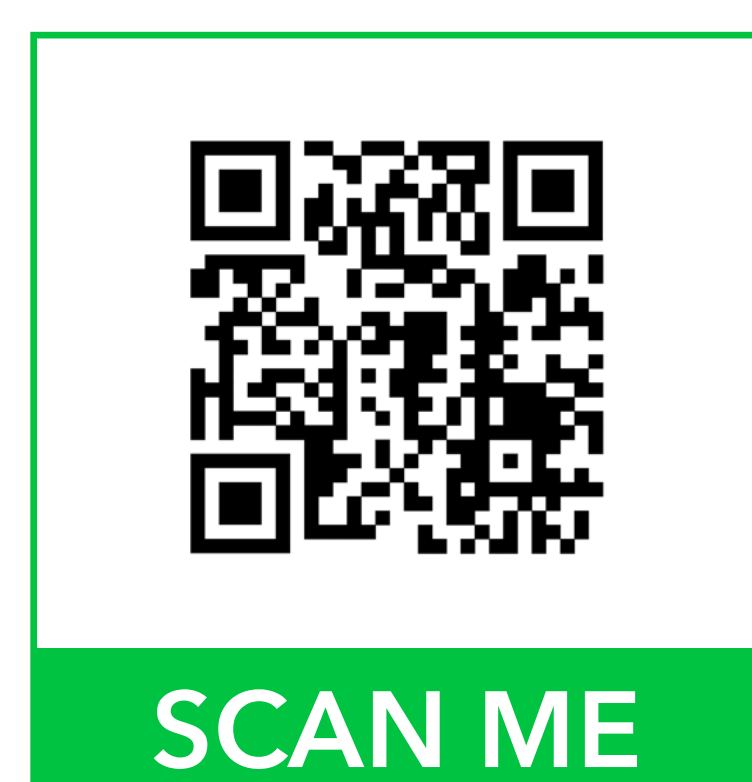
- **USP:** Consolidating various information bases during design and operation of IoT systems

## GenerIoT Project website

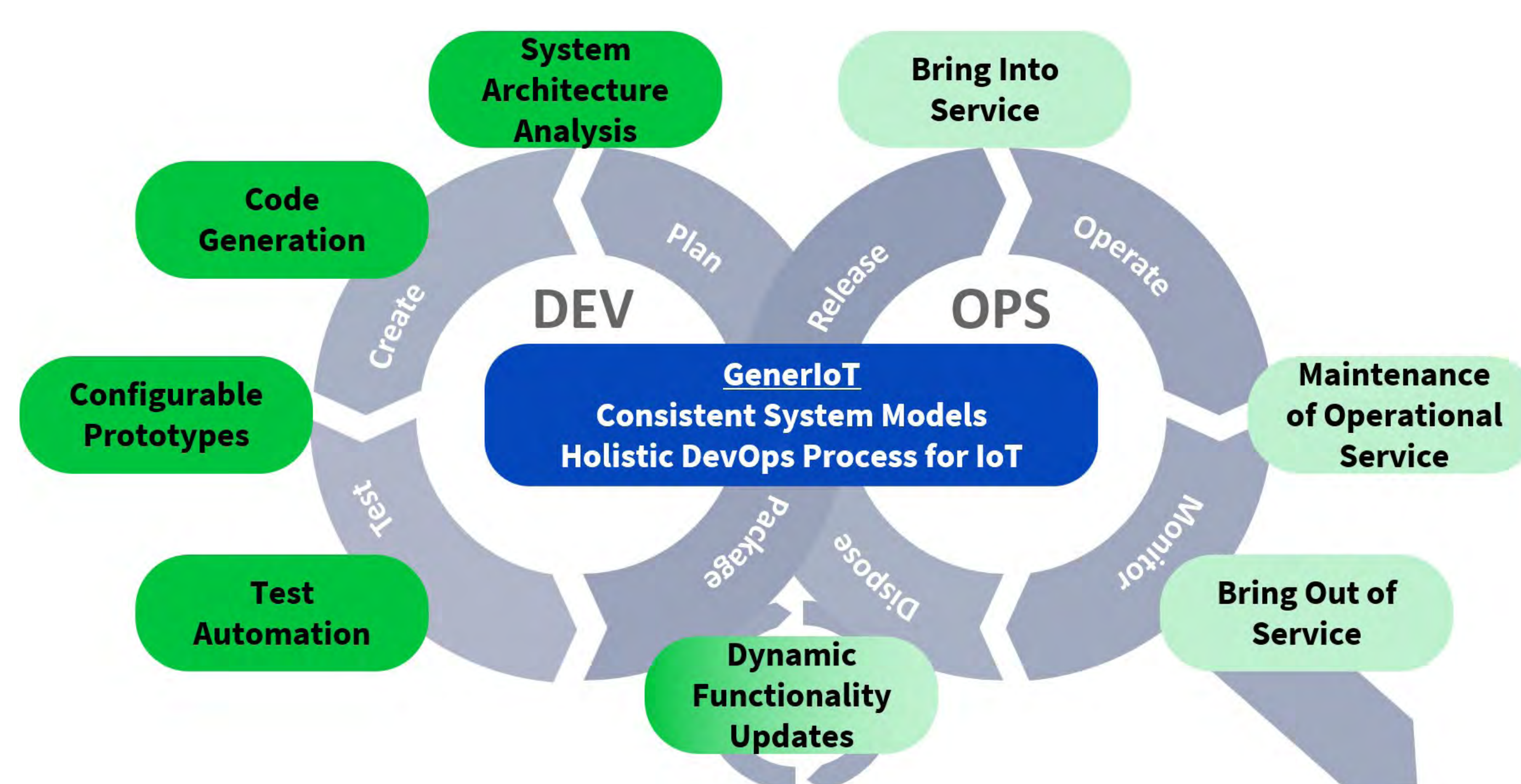


<https://www.edacentrum.de/generiot/>

## Initial system modelling approach (IoT-PML)



[www.sparxsystems.eu/iot](http://www.sparxsystems.eu/iot)



## Contact

Sebastian Reiter  
FZI Forschungszentrum Informatik - Germany  
E: reiter@fzi.de T: +49 721 9654 430

This ITEA project is supported by:

