



An ITEA Security and safety project

STACK

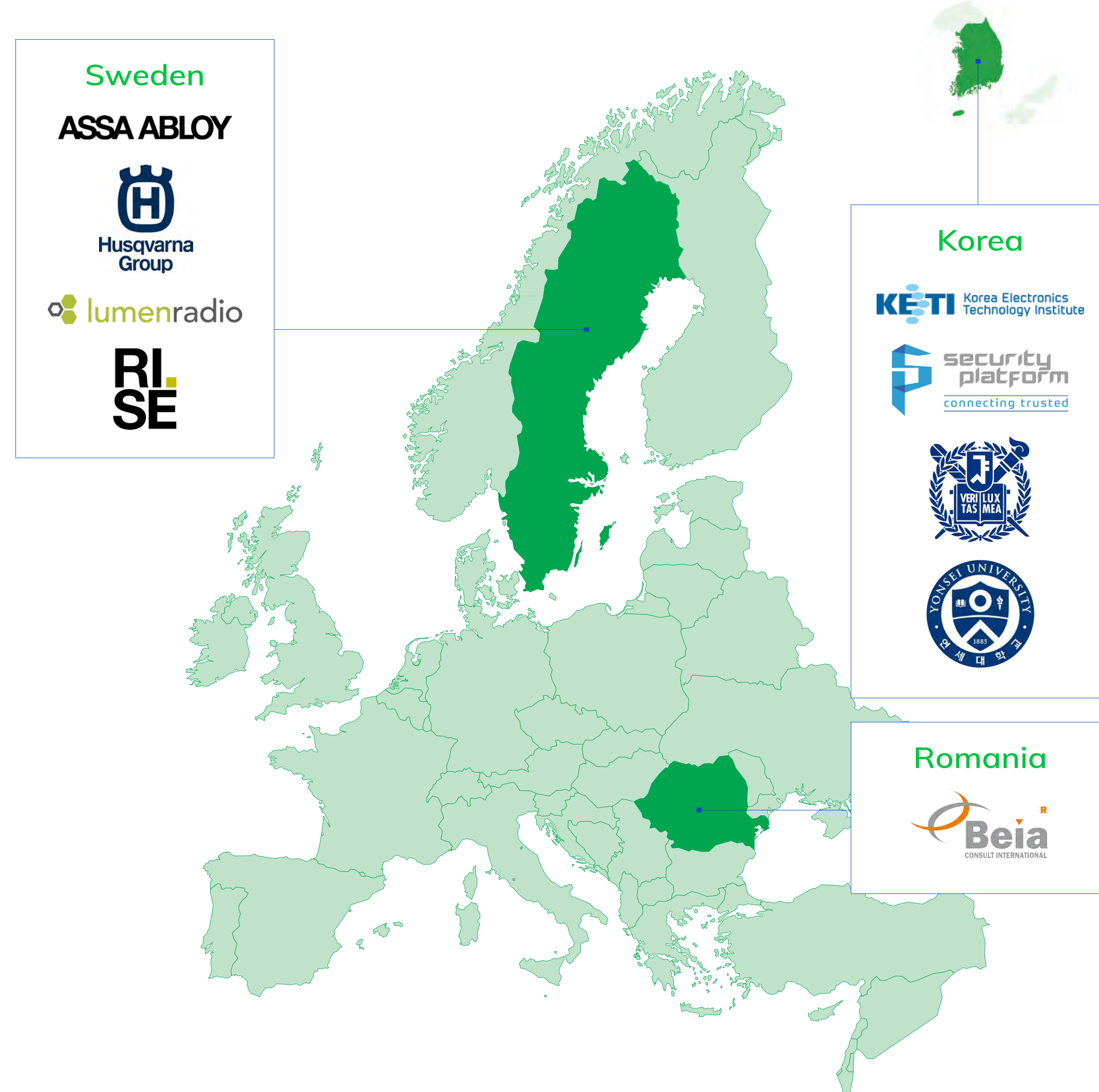


Pushing back against IoT attacks

Project summary

STACK aimed to let IoT networks maintain their functionality in both benign environments and more challenging situations, such as when IoT networks are under attack or exposed to harsh radio environments and cross-technology interference. STACK enabled a new class of IoT applications that provide a certain Quality of Service (QoS), even when under attack.

Consortium



Project duration

December 2020 - December 2023

Key results

- Mechanisms and algorithms to detect attacks in IoT mesh networks
- Support for collecting large-scale data for training ML algorithms for attack detection in IoT mesh networks
- On-board ML training for embedded/mobile platforms

STACK
project website



<https://agile.ro/stack/>

STACK
YouTube channel



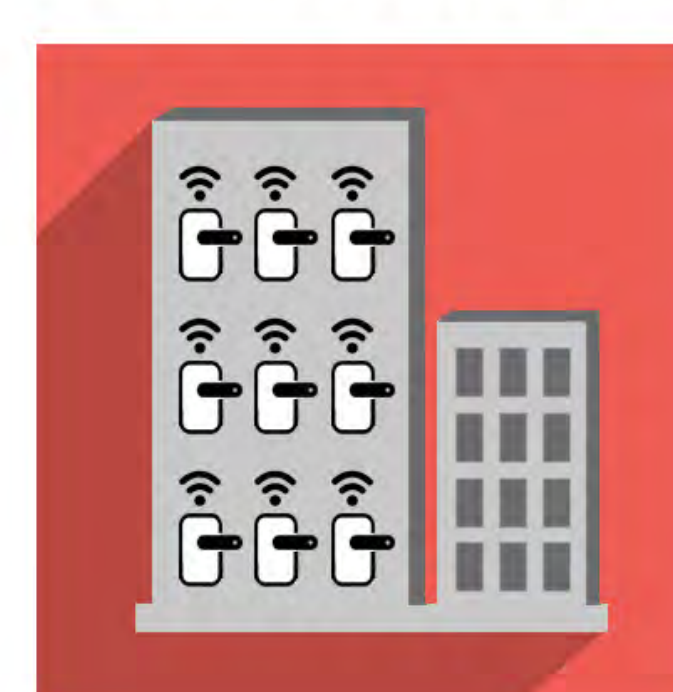
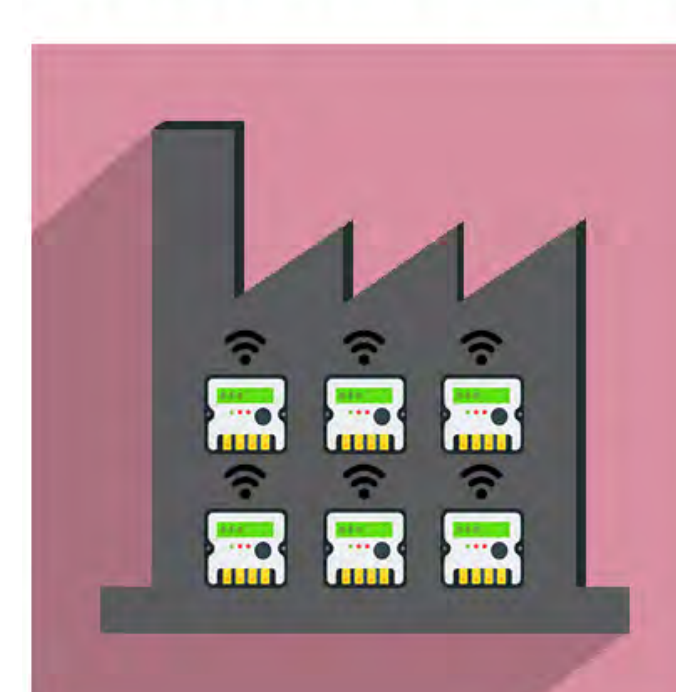
<https://bit.ly/3Ee8VHK>



AI-based
Attack Detection & Mitigation



More Robust IoT
Smart meters Smart doors



Contact

Thiemo Voigt
RISE - Sweden
E: thiemo.voigt@ri.se T: +46 10 228 43 48

This ITEA project is supported by:

