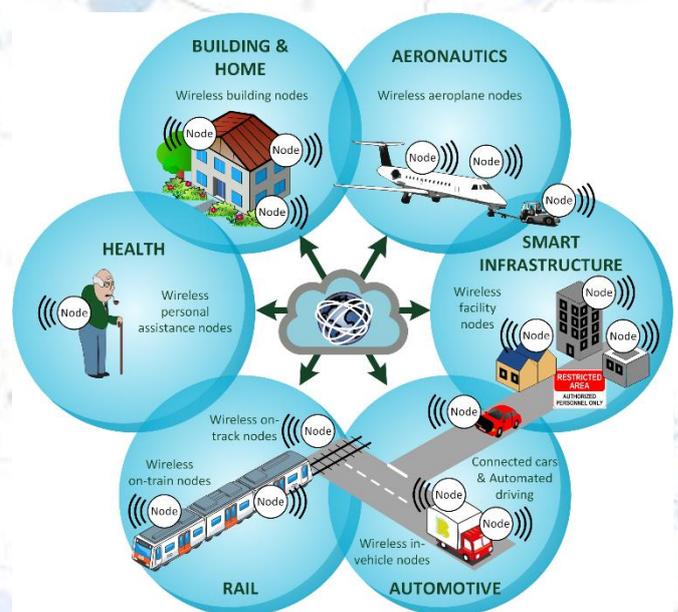# SCOTT - Secure COnnected Trustable Things

Building Trust in the Internet of Things

Creating trust in wireless solutions and increasing their social acceptance are major challenges to achieve the full potential of the Internet of Things (IoT).

SCOTT aims to extend the IoT for wirelessly connected smart sensors and actuators to be used in mobility, building & home / smart infrastructure, and health domains. It will not just deal with 'things that are connected', but with 'trustable things that securely communicate'. SCOTT will therefore enable efficient, trustworthy connectivity and facilitate ubiquity of intelligent embedded systems and systems of systems. Inter alia, SCOTT will establish a 'Trusted System Development Framework', will provide measurable security, and will create an unprecedented 'privacy labelling' to create sustainable trust in the IoT.

Objectives

SCOTT – Secure Connected Trustable Things will

- Provide comprehensive cost-efficient solutions of wireless, end-to-end secure, trustworthy connectivity and inter-operability.

- Bridge the last mile to the market.
- Value the end-users' privacy rules.
- Bundle the European key players from several industrial domains.
- Make use of the full potential of cross-domain synergies.
- Strengthen Europe's position in the emerging technology field of secure IoT.

Relevance and Impact

"Towards a smart society enabled by secure, connected, and trustable things."

SCOTT will

- Significantly impact the European Union to achieve the full potential of the IoT.
- Establish the EU as a centre of leading, trusted, user (citizen) friendly, secure, and reliable IoT ecosystems enabled by a strong industry with a strong reputation and an informed society to enable products and services based on IoT compliant to European values.
- Intensely cooperate with different working groups of AIOTI, the Alliance for the Internet of Things Innovation, as well as numerous national cluster associations.
- Facilitate the worldwide uptake of "European Technology" and infrastructure with the goal to earn an international reputation for secure, smart, and privacy-aware wireless solutions.
- Strengthen Europe's IoT industry by demonstrating wireless solutions which allow third parties – in particular start-up companies – to develop IoT applications faster in an open innovation based approach to increase societal benefits.

Technical Innovation

SCOTT will

- Showcase the concept of secure, connected, and trustable things in 15 very relevant industry-driven use cases in 5 different domains.
- Highlight the interoperability of the SCOTT high-level architecture in novel cross-domain use cases.
- Develop 50 re-usable technological building blocks organized in 4 technology lines, which can be fully integrated to enable wireless solutions across domains bringing trustable everyday objects to the mass.
- Create smart environments to improve EU citizens' lives significantly.
- Propose a clear roadmap for industrial uptake of technologies to successfully unlock the market potential of the IoT for European enterprises.

Project Coordinator
Werner Rom
werner.rom@v2c2.at

Operative Project Manager
Michael Karner
michael.karner@v2c2.at

Project Office
Manuela Klocker
scott@v2c2.at

Institution
VIRTUAL VEHICLE Research Center

Email
scott@v2c2.at

Website
www.scottproject.eu

Start
1-5-2017

Duration
38 Months

Total investment
39.1 M€

Participating organisations
57

Number of Countries
12 (AT, BE, DE, ES, FI, IE, NL, NO, PL, PT, SE + Brazil)

Project Partners