AI + IoT= The Future?

Green Tech Innovators Club

Oct 12th 2021

Peter Priller (AVL)

Agenda

- Why is AIoT the next big thing?

- What does InSecTT bring to the table?

- How can we innovate together?

Why is AIoT the next big thing?

IoT = put things in the real world,
        let things talk to each other (and the cloud).

AI = get rid of dumb things.
        make them at least a little bit smart.

AIoT = smart, connected, secure, trustworthy

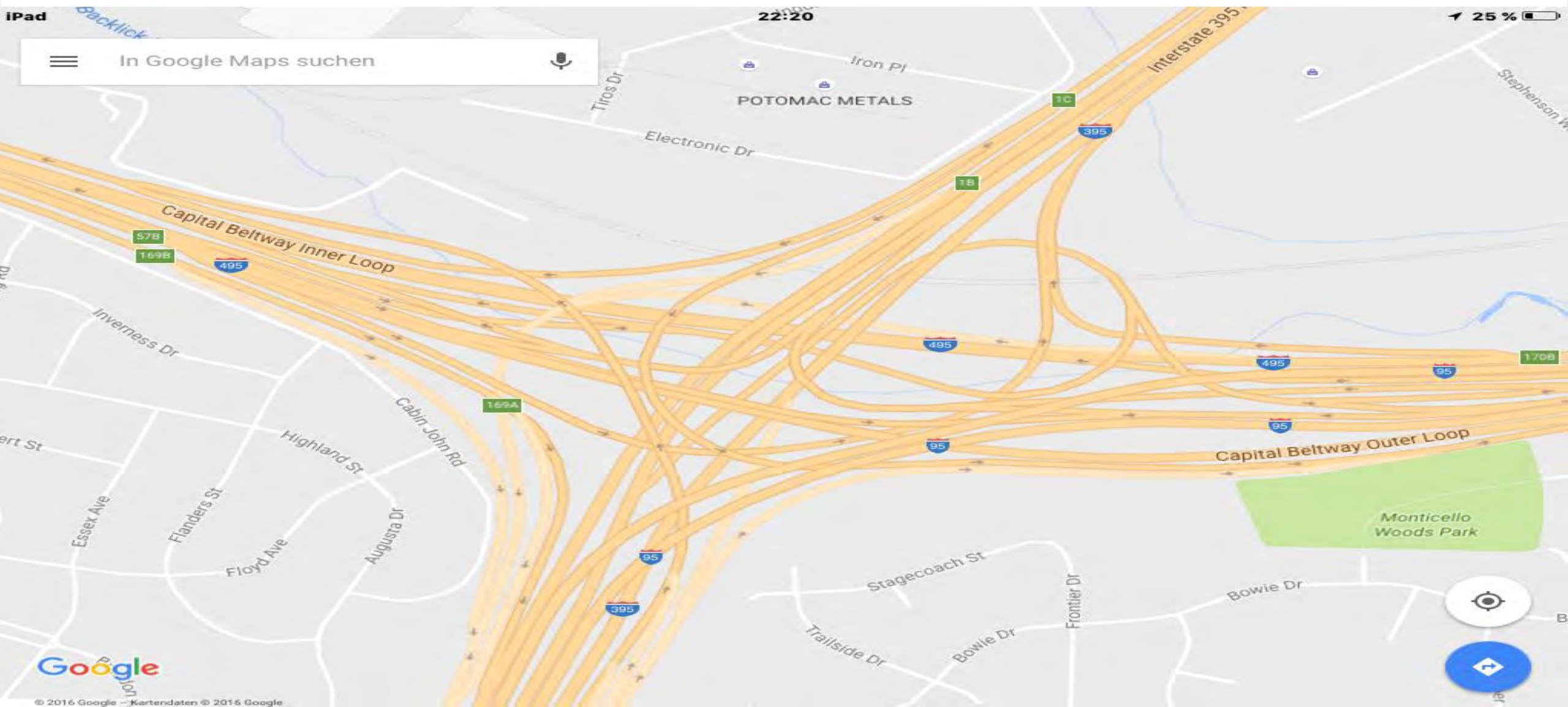# Example: Learn during lifetime in large engines

Is it Safe? Is it Secure?
Verification and **Validation**

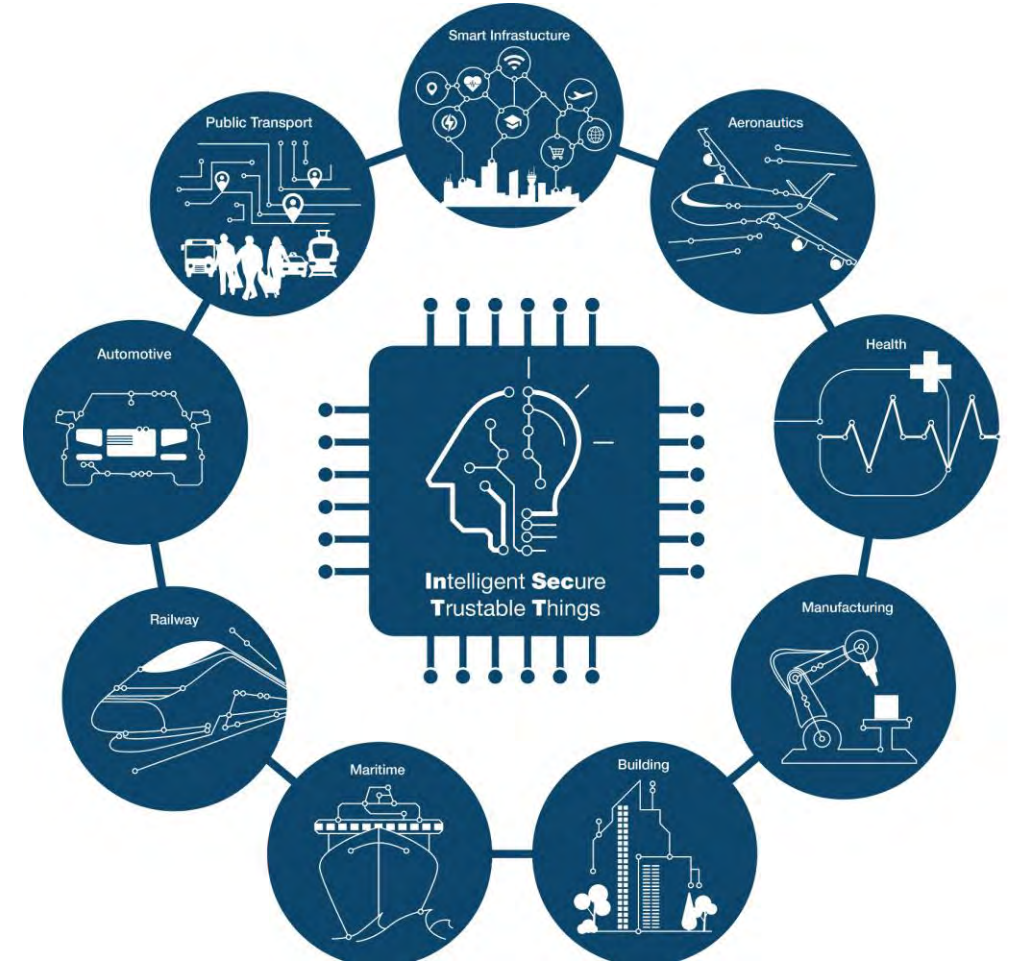# Complexity grows beyond our comprehension

What does InSecTT bring to the table?
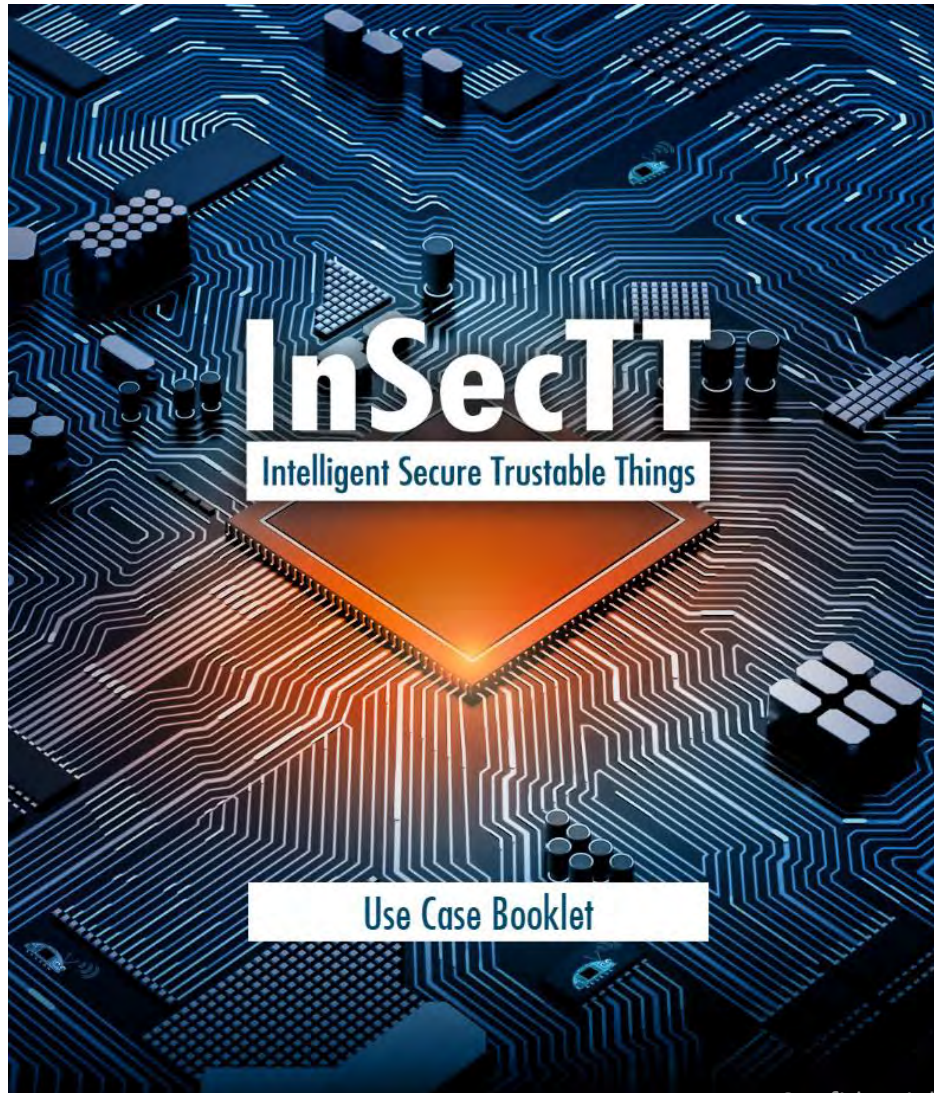
Artificial Intelligence of Things

Moving AI to the edge

- **Processing data locally** on a hardware device helps transforming data into useful information knowledge

- **Real-time applications** for self-driving cars, robots and many other areas in industry can be enabled

- **AIoT in InSecTT:**
  - Focus on **robustness and ethics**
  - Ensuring the developed systems are **resilient, secure and reliable**
  - Prioritizing the principles of **explainability and privacy**
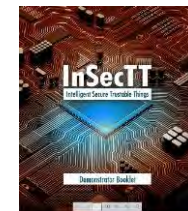
InSecTT Use Case Booklet

InSecTT
Intelligent Secure Trustable Things

Use Case Booklet

Easy access for anyone interested to understand "what InSecTT is about"

https://www.insectt.eu/
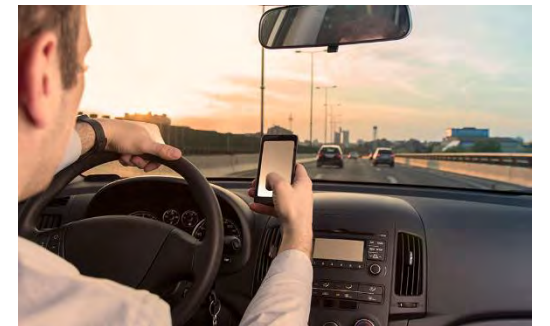
See also: demonstrator booklet

Trustworthy AI from the User Perspective

Examples:

- Trustworthy platooning
  - Identified trustworthiness requirements beyond vehicle and inter-vehicle communication, especially on the driver, HMI, and communications for setup and initiation

- Trustworthy driver distraction algorithms
  - What does it take for drivers to accept driver monitoring solutions?

- Trustworthy AI for smart hospitals
  - E.g. smart bed management systems

How can we innovate together?

- Introduce your use case to InSecTT

- Browse through new technologies and methods resulting from InSecTT

- Integrate InSecTT solutions in your services & products

so: let's get in touch!

Social Network Channel	Link
LinkedIn	https://www.linkedin.com/groups/12467950
Facebook	https://www.facebook.com/Insectt-Project-105974577981213
ResearchGate	https://www.researchgate.net/project/InSecTT-Intelligent-Secure-Trustable-Things
Twitter	https://twitter.com/InsecttProject
YouTube	https://www.youtube.com/channel/UC27HebrTM0MBHKS8yDvwucA
Instagram	https://www.instagram.com/insecttproject

Thank you!

Contact me: peter.priller@avl.com

LinkedIN

ResearchGate

in Person