

# An experimental and technical cybersecurity platform

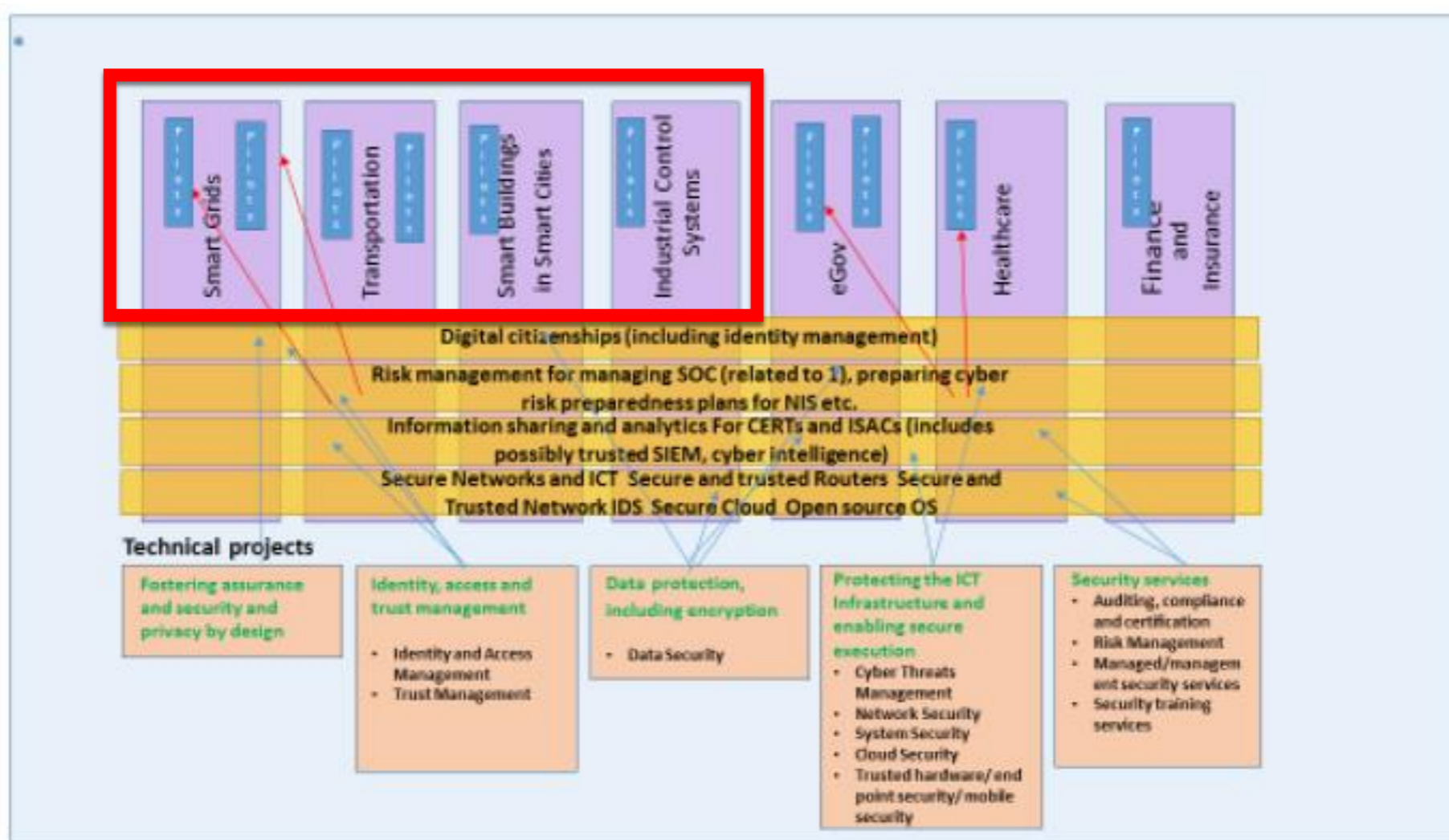
CHES (Cybersecurity Hardening Environment for Systems of Systems)

Philippe WOLF

**S3: Cyber & Security**



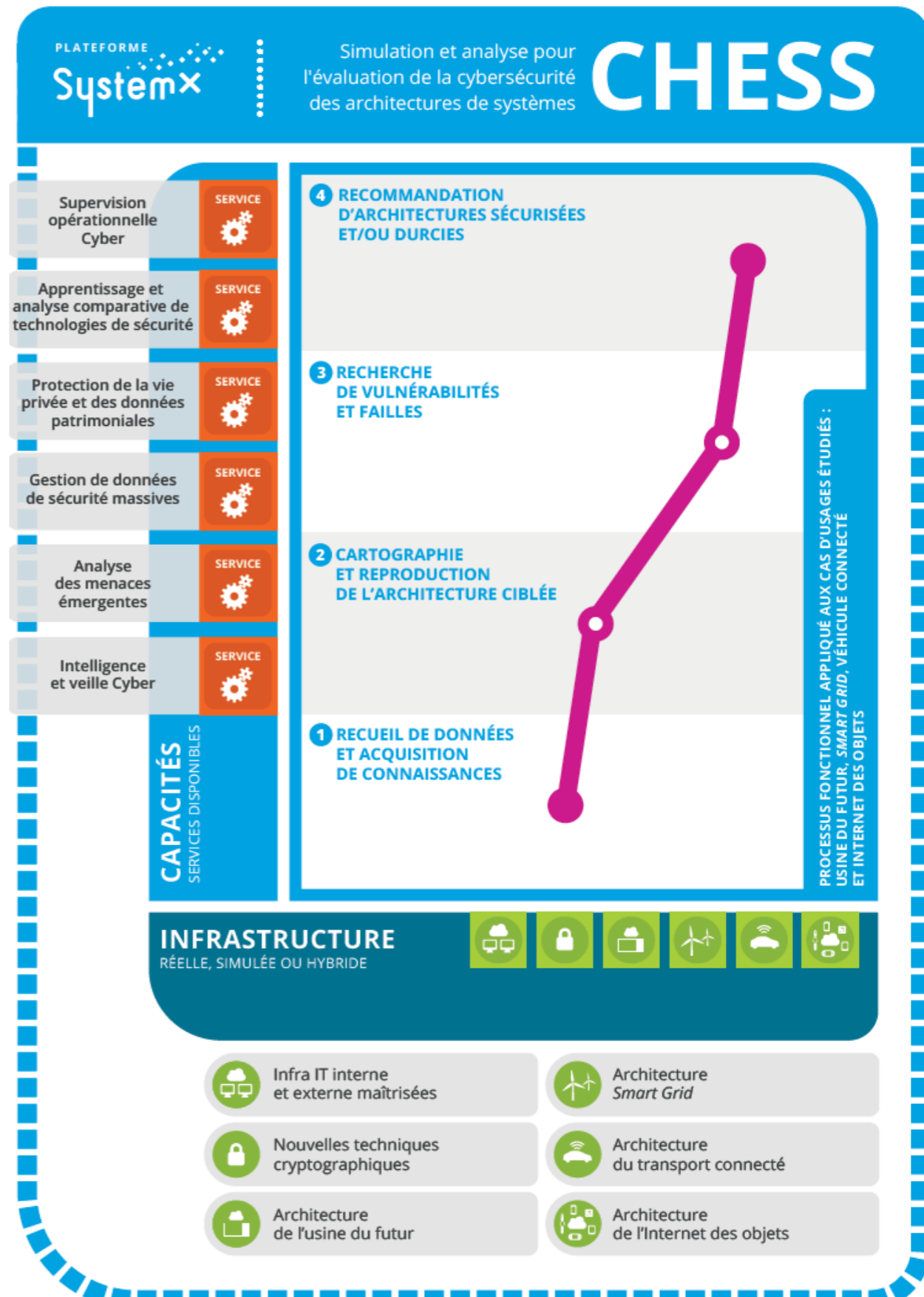
# Secure future ultra-connected systems



- ▶ European Cybersecurity Strategic Research and Innovation Agenda (SRIA) for a contractual Public-Private Partnership (cPPP)

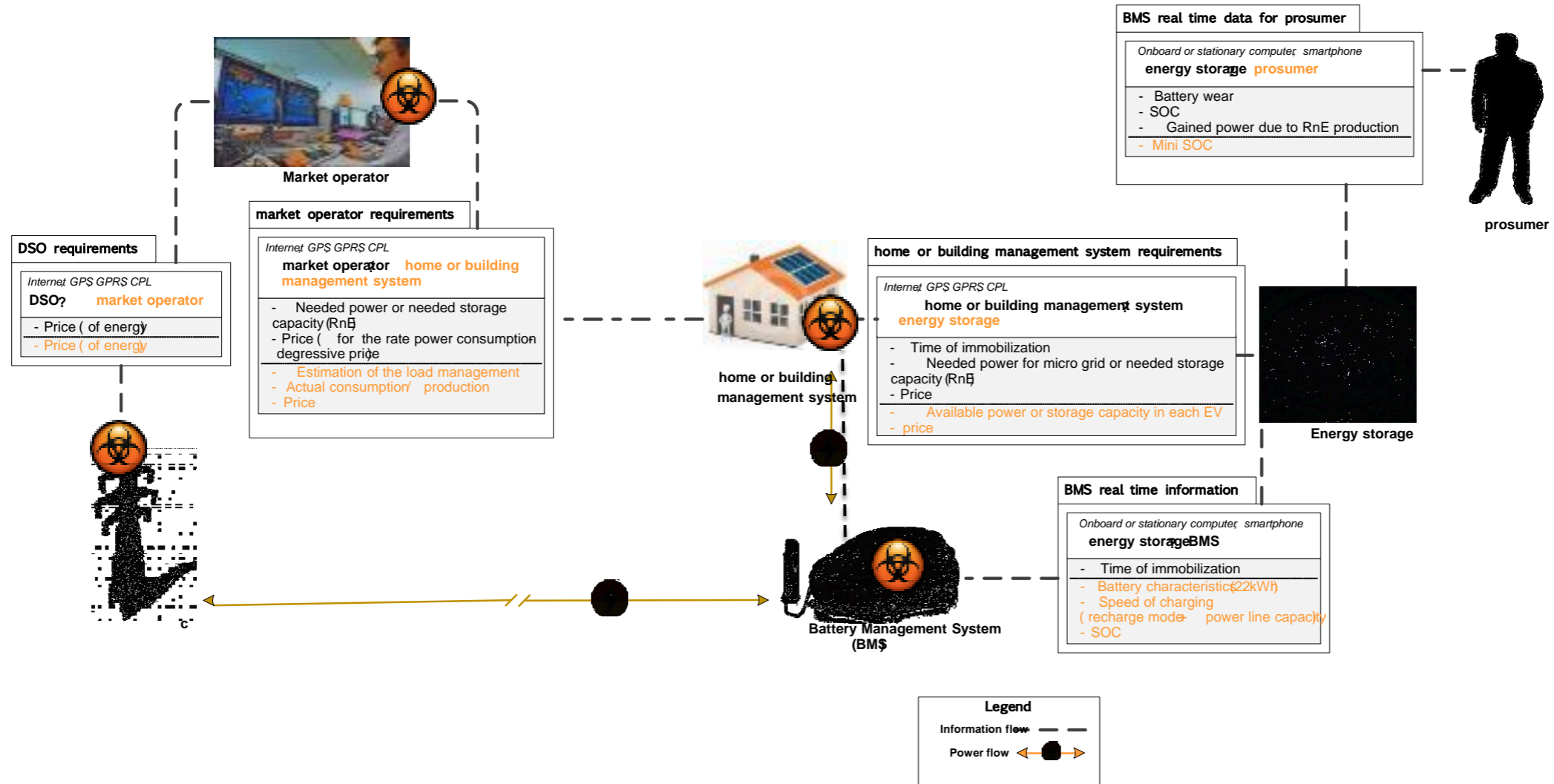


# Methodology

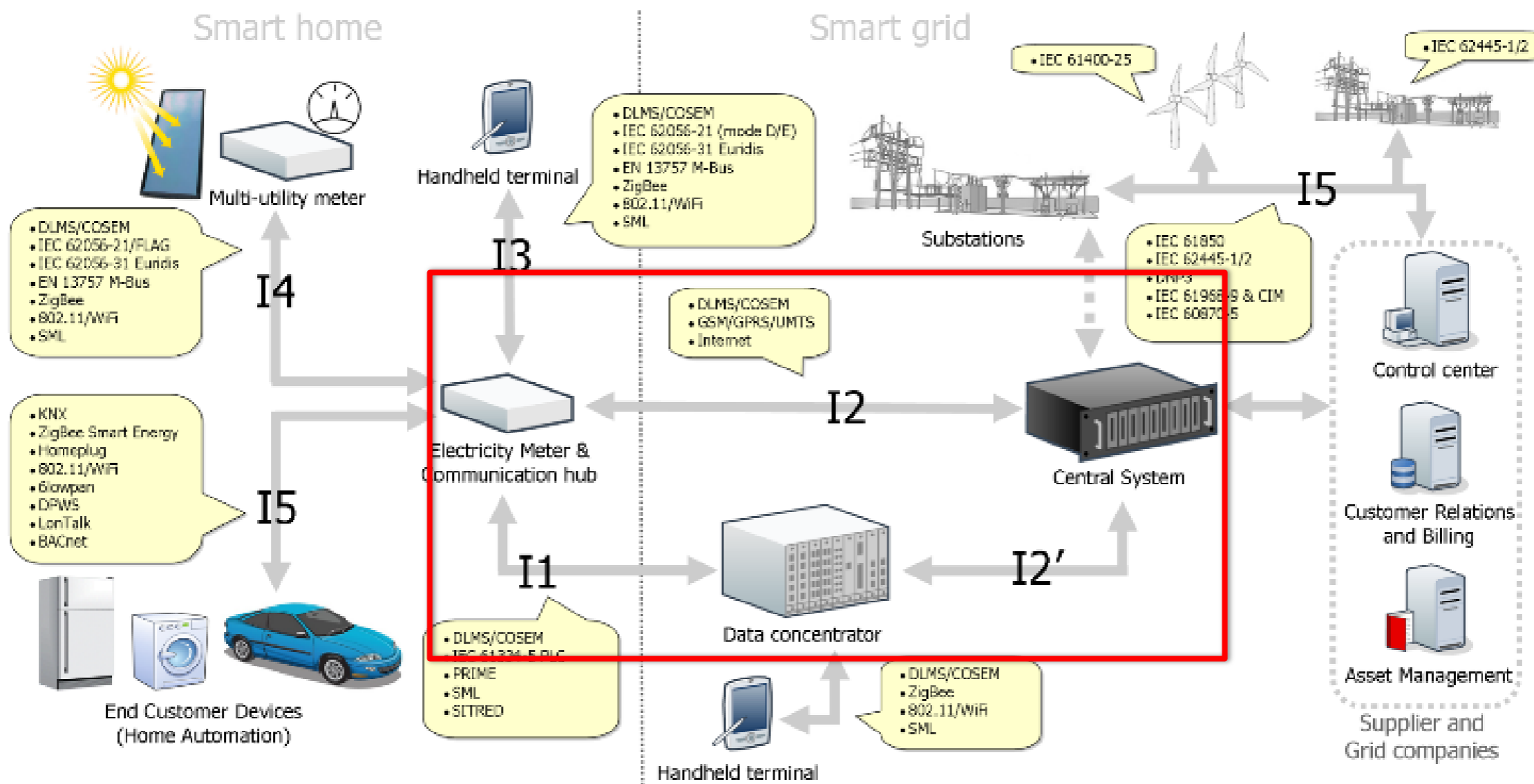


# Smart Grids and Connected Cars

project ITEA2 SEAS

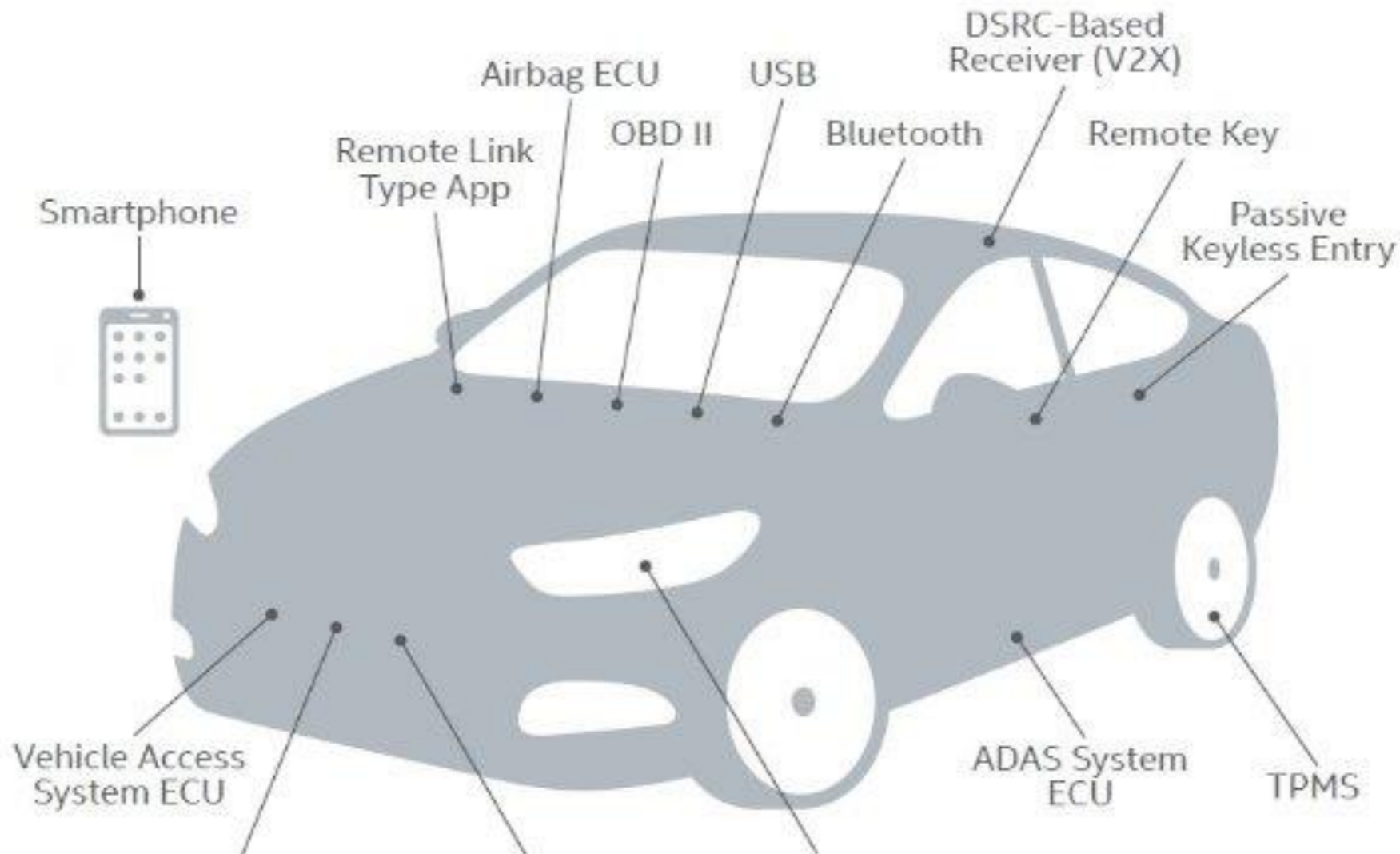


# Versatility



# Intelligent Transport

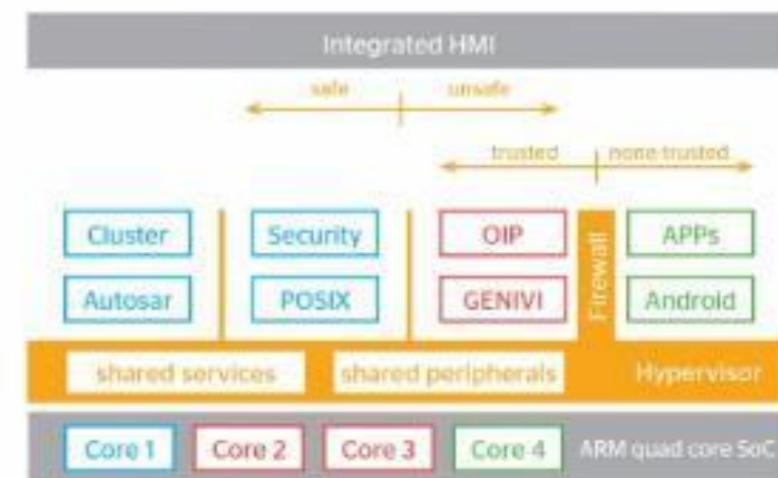
## Automobile Attack Surfaces



# Some challenges

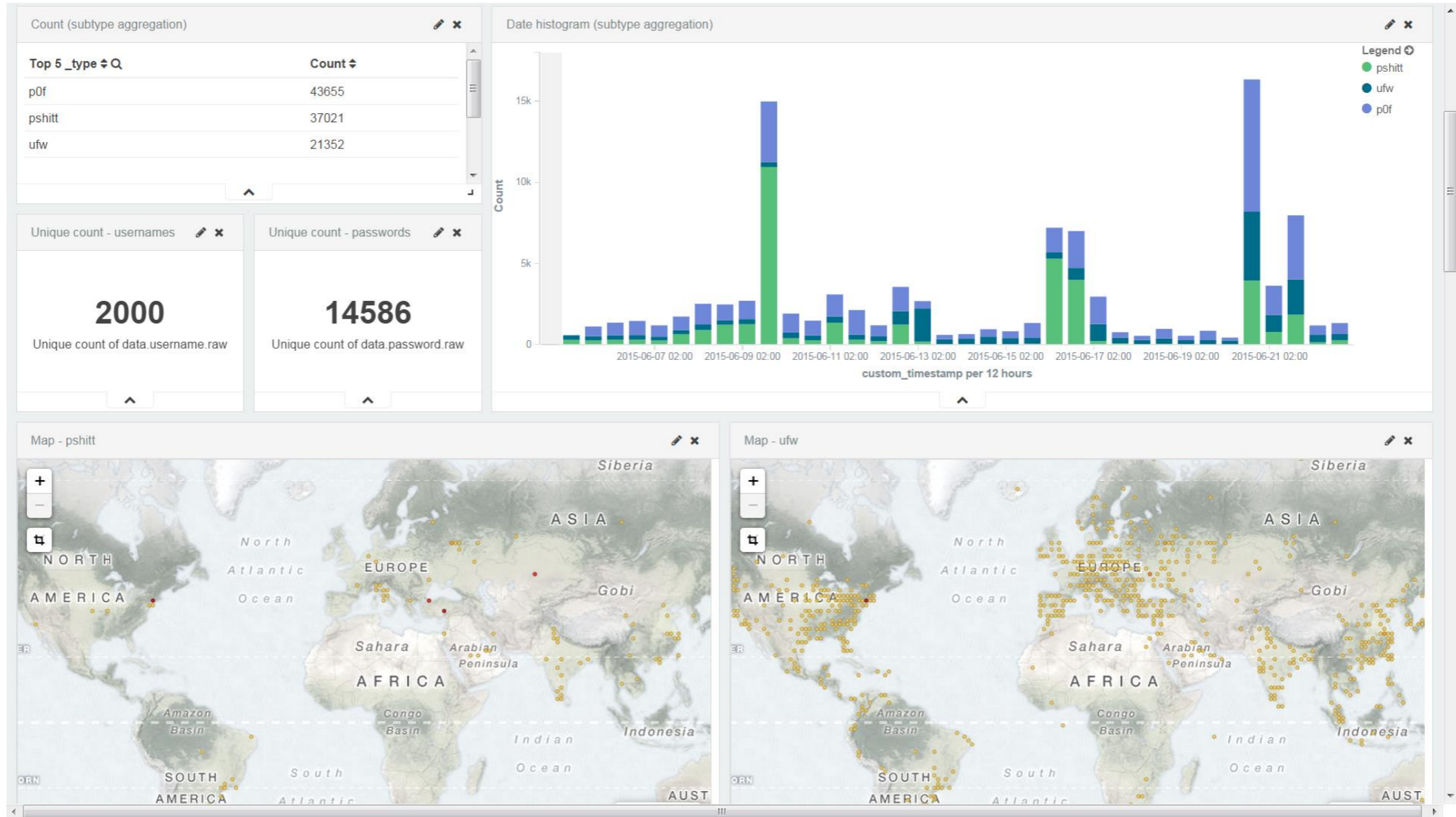
Techniques

- ▶ From a compartmentalized world to an open world
  - Internet of Everything
  - XaaS: Anything as a Service
- ▶ Cyber protection of connected transport
  - Firewall, Antivirus, Antimalware, Hypervisor, IDS, decontamination zone?
  - Security maintenance over-the-air



# Supervision

Future SOC







# Questions?

[philippe.wolf@irt-systemx.fr](mailto:philippe.wolf@irt-systemx.fr)

