

**CoESSI Hervé DAUSSIN** *herve.daussin@coessi.fr* +33 1 47 84 02 31

**CoESSI Hocine AMEUR** *hocine.ameur@coessi.fr* +33 1 55 66 09 92

## Targeted topics

- **SU-DS03-2019-2020**: Sub-topic 1: Protecting citizens' security, privacy and personal data protection
- **SU-DS05-2018-2019**: Sub-topic a (2019): Digital security and privacy in multimodal transport
- **SU-DS05-2018-2019**: Sub-topic b (2019): Digital security and privacy in healthcare ecosystem
- **SU-INFRA02-2019**: Security for smart and safe cities, including for public spaces

## ➤ Who We Are

- Consulting firm specialized in **information systems' security**
- Awarded "Jeune Entreprise Innovante" in June 2014 (national innovators' register)
- Team featuring **long-standing experience in the field of cybersecurity**
- Offer ranging from **strategic business** and **organization consulting** to **technology-intensive** assignments
- **Top level clients** : AREVA, ADL, ATMB, BPCE, Bénéteau, CEA, ENEDIS, EDF, France Televisions, RATP, Région Hauts-de-France, Société Générale, SAGEMCOM, TOTAL, Trèves Group, ...
- **Member of CLUSIF** (IT security society), **ISA France** (The International Society of Automation) and SYNTEC NUMÉRIQUE (trade association)

## ➤ What we do



- **Risk** assessment ISO27005 (EBIOS)
- management
- **cyber-security** evaluation



- **Compliance** testing
- **Standard** and **norm** development



- Security **auditing**
- **Penetration testing**
- **Developing** penetration testing tools



**IT** (Information Technology)



**IoT** (ZigBee, SigFox...)



**ICS** (PLC...)

## ➤ Some projects



## ➤ Self-Learning Intrusion Detection platform for Electrical Systems (SLIDES)



- **Logs, network data, Signal power, data classification interoperability, Management**



- **Distributed** approach, **Low complexity, Machine learning, Data analysis, application domain**



- **Alerting, Locating** the attack



- **Updating** the vulnerability database

- **Challenges:** Interoperability, Energy, Computation, memory, low rates, Geographic positioning

## ➤ **Expected results, Lead Users and Exploitation/Dissemination Plan**

- A theoretical study of placement strategy, processing technics and detection methods (modeling and resolving optimization problems)
- Specification of the legal obligation for data processing and storage
- The implementation of a self-learning IDS for EPES
- Risk assessment and penetration testing of the platform

## ➤ **Our skills for the project**

