

**ETHERTRUST**      **Contact : Simon ELRHARBI**      [simon.elrharbi@ethertrust.com](mailto:simon.elrharbi@ethertrust.com)

## Targeted topics

SU-INFRA01-2018-2019-2020	Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure
SU-DRS02-2018-2019-2020 subtopic 4	Technologies for first responders - subtopic 4: Open
SU-FCT03-2018-2019-2020	Information and data stream management to fight against (cyber)crime and terrorism
SU-GM01-2018-2019-2020 subtopic b	Pan-European networks of practitioners and other actors in the field of security - subtopic b: Innovation clusters

# Competencies

## *Organisation competencies*

- **Security**

## *Organisation experience in the European project*

- **EtherTrust is involved with several projects in the SC fields and also in the NFC Technologies:**

OnDemand (FEDER – France))

SECFUNET (Security fo Future Networks – FP7)

PODIUM (FUI – France)

## *The skills you can bring*

- **SE based Infrastructure for securing on-line payment, remote access, cloud storage, IoT and Blockchain.**
- **TLS stacks that are embedded in SE to enable strong mutual authentication based on certificates and asymmetric keys**

# Project idea

*Describe your project idea*

- **The purpose of the project is to provide the ultimate security and privacy for IoT PF and to build the mandatory elements of a TLS/DTLS Secure Identity modules embedded in Secure Element:**  
Tamper resistance and secure communications and storage.
- **The design starts from the hardware and the lower layers of communications protocols and ends with diverse applications from real world use cases such as semantic Social wearable IoT data sharing and recommendation services.**

*List of the complementary skills you need for your consortium*

- **SE suppliers**
- **Real world use cases and Social IoT Recommendation**
- **University**