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IIDRE
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Area of interest	Y or N
CIP-01-2016-2017: **Telecom**	Y
CIP-01-2016-2017: **Health**	Y
CIP-01-2016-2017: **Finance**	N
SEC-10-FCT-2017	Y

Competencies

- *Geo-localisation & Internet of Things (IoT)*
  - **Movement & Environment : Position, Proximity, Navigation, Air Quality, ...**

- *European project : GALENA 2015-2016*
  - **Galileo-based solutions for urban freight transport**

- *Single application in Cloud for visualization and management, reporting, recording, multi-technology modular : LoRa, RFID, UWB, ZigBee, SigFox, BLE, GNSS, Wi-Fi, …*
- *Implementation for non GNSS location with UWB and RFID modules for an Autonomous Vehicle in private zones*
- *Internet of Things in Vehicles with RFID*
- *Experimentations in Power Plant for location, in industrial sites, in construction site, …*

Project idea

Geo-localisation of Individuals for Critical Areas

- *A simple product that answers an essential and legal functionality : in case of an alert, how to know or to look for the missing persons?*
    - **For industrial sites (Seveso, …) with a Non-intrusive service only for emergencies location**

- *Based on its leading-edge know-how in the field of indoor and outdoor geo-localisation, IIDRE developed a unique solution contributing to ensure individuals' safety in specific environments while considering the constraints of these environments. The innovative solution is based on RF protocol, tags (smart electronic devices) and a scalable infrastructure composed by telecommunication part and computation algorithms.*

"The ability to quickly locate people on sensitive industrial sites"

Project idea

- *The solution is accurate, easy to deploy and operate, scalable, low-cost, respectful of the private life and guarantees data protection, thus ideal to meet the requirements of the users (workers, security managers and decision-makers).*

- *IIDRE wants to target at first the SEVESO sites, then all critical industrial sites in Europe. The project will contribute to reduce the vulnerabilities of critical infrastructures regarding natural or industrial risks, terrorism and malicious behavior and is therefore in line with EU-wide challenges.*