



# CELTIC-NEXT Event

20<sup>th</sup> June 2019, Valencia



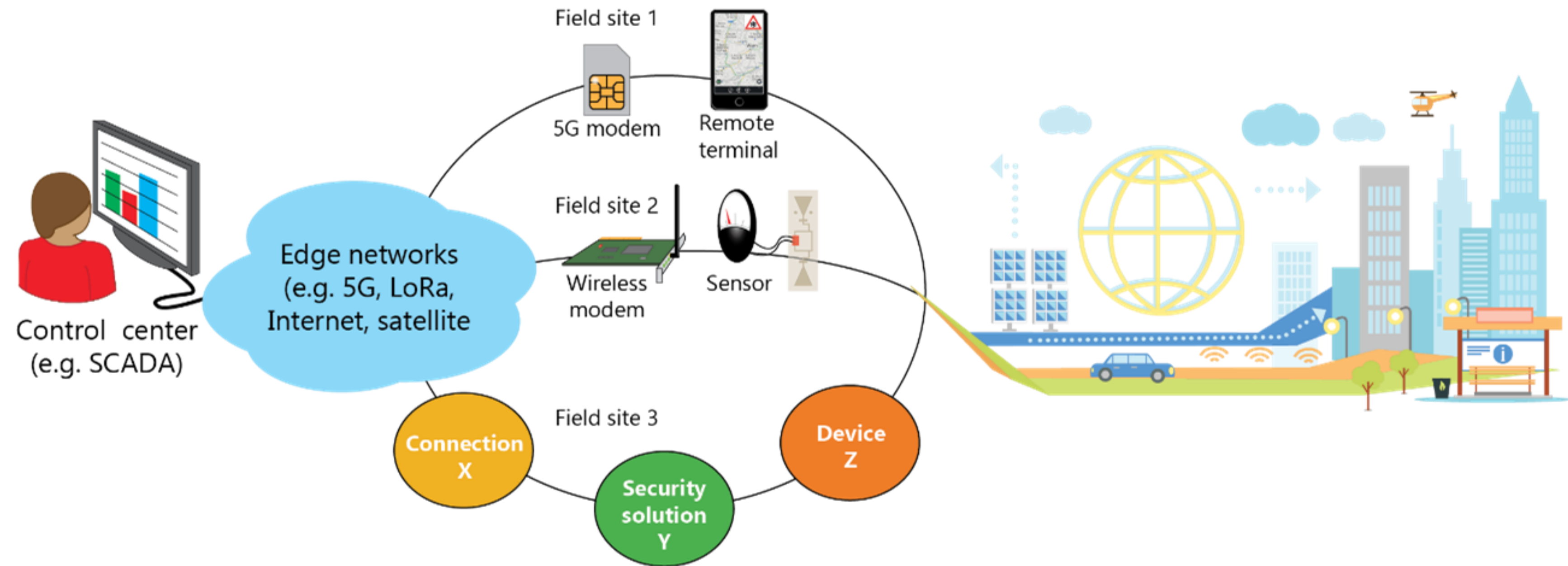
**Pitch of the Project Proposal**

## CRITISEC



**Harold Linke, HITEC Luxembourg**  
**harold.linke@hitec.lu**

# Teaser



- *Attacks on critical infrastructure have high impact*
- *Edge networks increasingly deployed close to critical infrastructure*
- *Edge networks == attack vectors*
- > *Need improved security solutions for Edge-Networks*



# Organisation Profile

## HISTORY

From 1986 - Present

**30**  **YEARS IN BUSINESS**

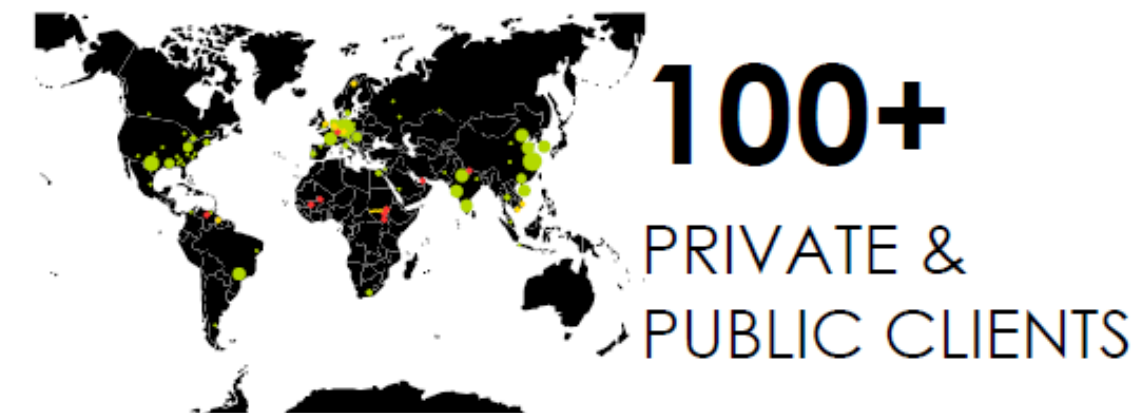
## BUSINESS FIELDS

Using **synergies** to access markets



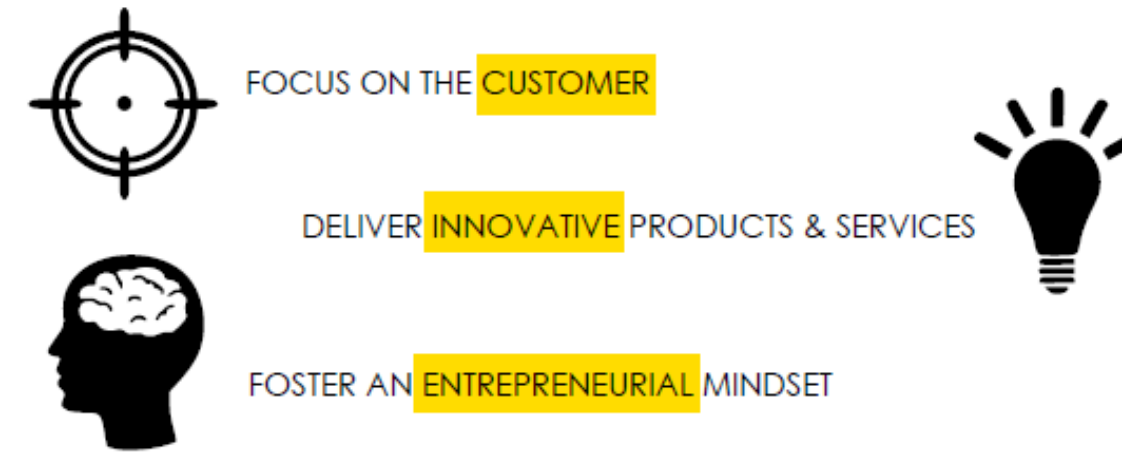
## INDUSTRY ACCEPTANCE

**Worldwide** client base



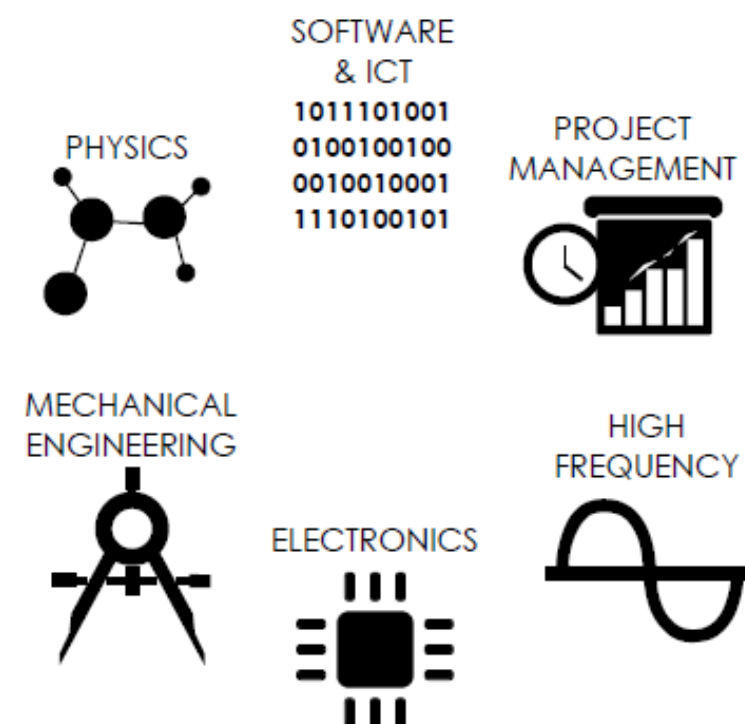
## VISION

Objectives and motivations



## CORE COMPETENCIES

**Combining** know-how for innovative solutions



## EMPLOYEES

Experts in specific **technologies**

over **45** 

## INTELLECTUAL PROPERTY

Brandnames & patents

 **10+** **BRANDS**  **US/EU** **PATENTS**



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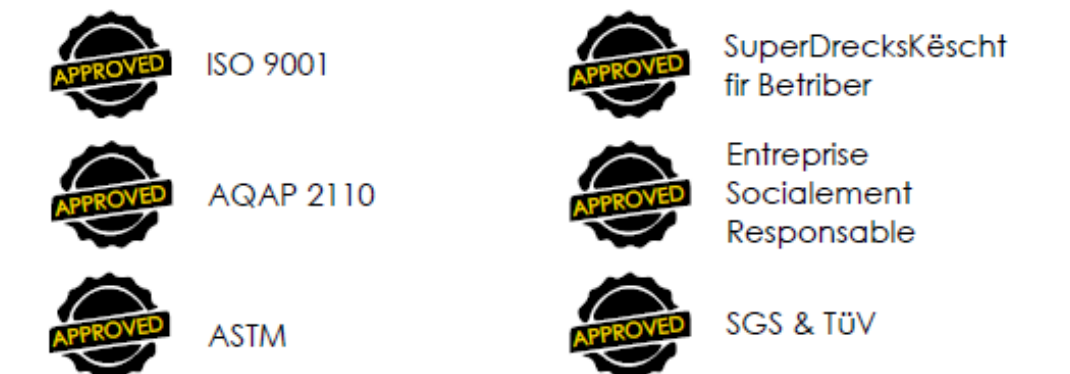
## AWARDS

Recognition through industry & research



## CERTIFICATION

**Standards & responsibility**



# Proposal Introduction (1)



- **Purpose**

- Increase security of IoT and cloud solutions connected to edge networks for critical infrastructure

- **Goal**

- Standardized security solutions
- Determine best practice for secure use of "Edge-Networks"

- **Research topics**

- AI for threat analysis, and mitigation strategies.
- open ledgers (blockchain) to confirm trustworthiness of sensor data in open networks.
- End-to-end security and application isolation in open platforms.
- Identity and Access Management for constrained devices
- Secure end-to-end communication methods efficiently supporting large-scale deployments
- Security Lifecycle Management, including secure firmware upgrade and management.

- **Use Cases**

- Energy distribution, Smart cities, IoT for Critical Logistics, Identity Management for IoT, IoT and distributed ledgers, Critical communication and Small IoT services



# Proposal Introduction (2)



- **Expected results**
  - **Modular solutions for securing IoT use in critical infrastructure**
  - **Best practice on securely operating IoT in critical infrastructure**
  - **Drive standardization to meet the specific needs of critical infrastructure**
- **Project start: Jan 2019 – Sweden and Luxembourg**
- **Duration 36 Months**
- **Problem: Funding situation in Finland**

# Partners



# Contact Info



**For more information and for interest to participate please contact:**

Harold Linke – HITEC Luxembourg S.A.  
Harold.linke@hitec.lu  
+352 498478 749  
49, rue du Baerendall  
L-8212 Mamer  
Luxembourg  
[www.hitec.lu](http://www.hitec.lu)

**Presentation available via:**

