



eltic-Plus⁺

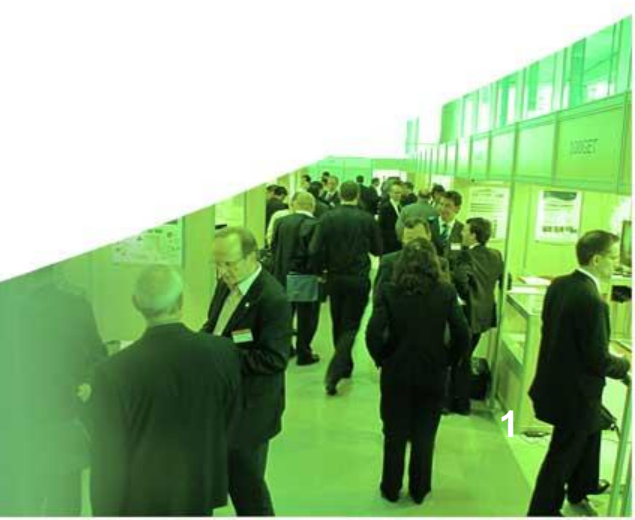
Smart Connected World



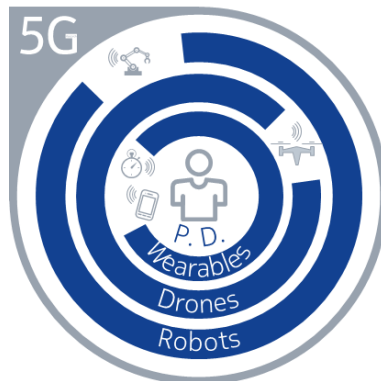
Celtic-Plus Proposers Day
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“Security for Monitoring and Control Based IoT Applications”

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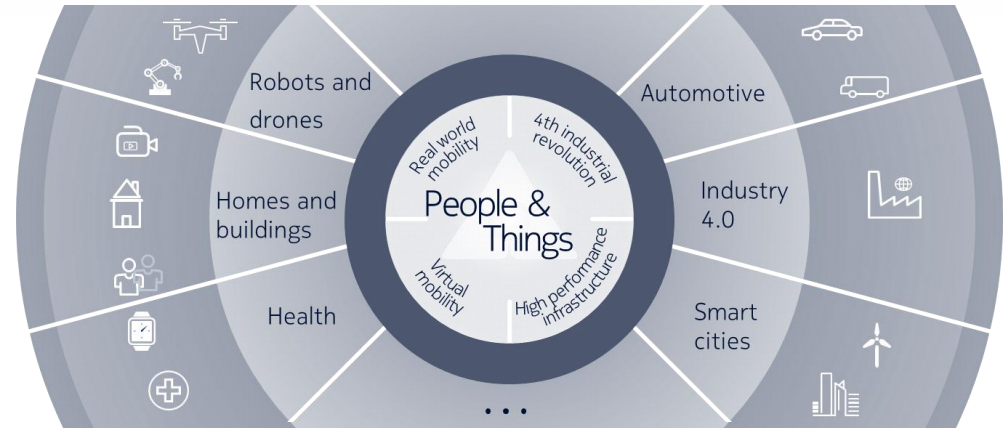


Monitoring based IoT applications



Control based IoT applications

- **Monitoring based IoT applications:** These applications collect data from connected sensors or devices periodically and transmit it to the cloud (home automation, **patient monitoring** and smart metering)
- **Control-oriented IoT applications:** These applications use the sensor data to control the connected actuators in real-time (**drones, robots** and remote surgery)



Security for IoT

Cyber attacks

New use cases

Higher criticality level

Security mechanisms with highest

Robustness

Flexibility

Automation

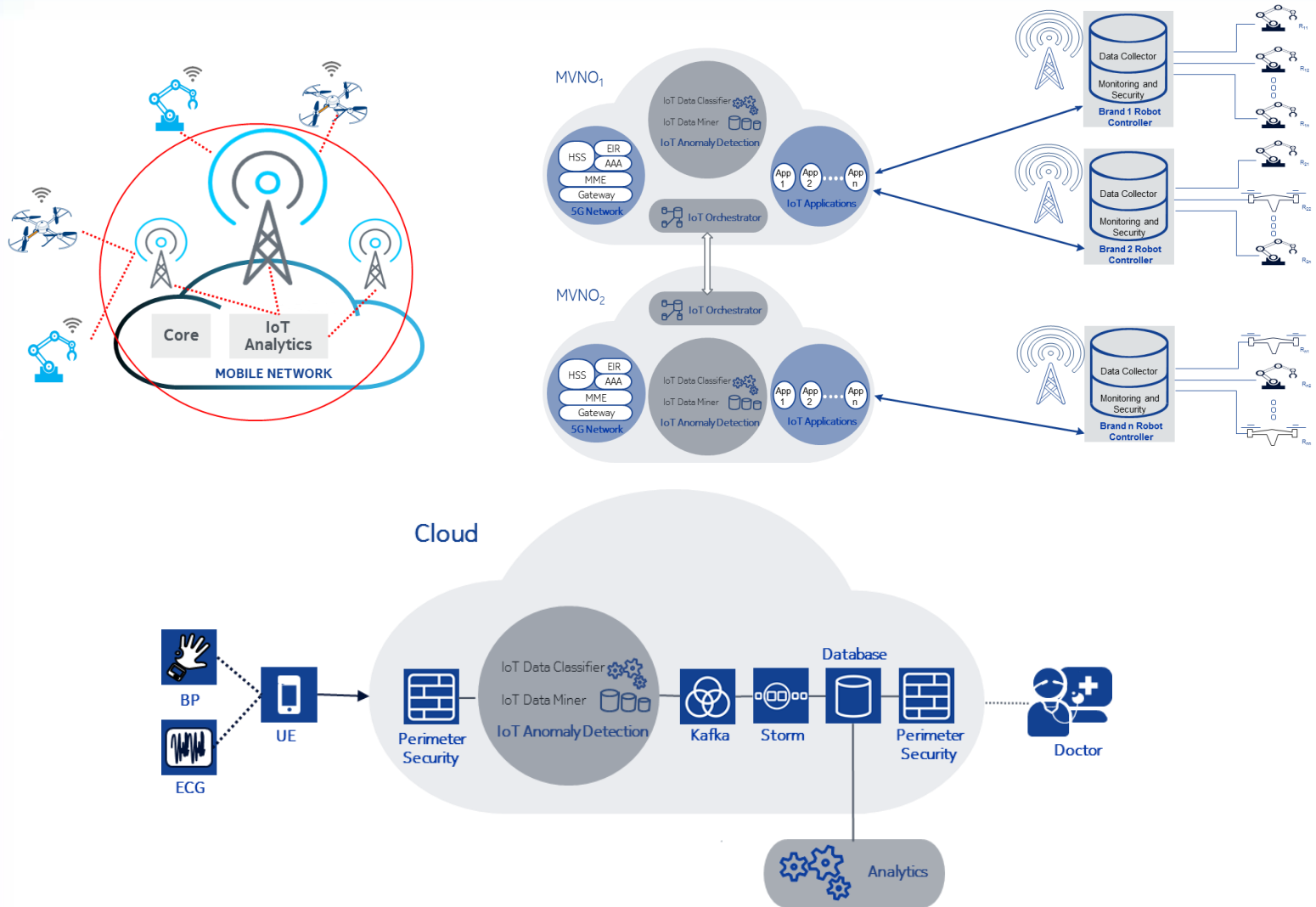
Organisation Profile

NOKIA Bell Labs

We create the technology to connect the world. Powered by the research and innovation of Nokia Bell Labs, we serve communications service providers, governments, large enterprises and consumers, with the industry's most complete, end-to-end portfolio of products, services and licensing.

From the enabling infrastructure for 5G and the Internet of Things, to emerging applications in virtual reality and digital health, we are shaping the future of technology to transform the human experience.

Proposal Introduction (1)



Expected Outcome

- Demonstrate a distributed security platform for drone system and patient monitoring

Impacts

- An improved learning mechanism to detect:
 - ⑩ An attack on robot belong to an MVNO, determine a preventive action and orchestrate the analysis to other MVNOs.
 - ⑩ An attack on patient data stored on the cloud and apply prevention mechanism

Partners

We are looking for EU partners, universities and enterprises in drone, robot and digital health.

Contact Info

For more information and for interest to participate please contact:



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