

NGS

IoT solutions for Industry 4.0

New Generation Sensors

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Funded in 2015

Spin-off company della Scuola
Superiore Sant'Anna.

Solutions:

Smart Logistics

- Cargo
- Last mile

Smart Factory

- Predictive maintenance
- Industrial monitoring

Scalable IoT solutions

Hardware and Software

IoT Cloud platform and analytics

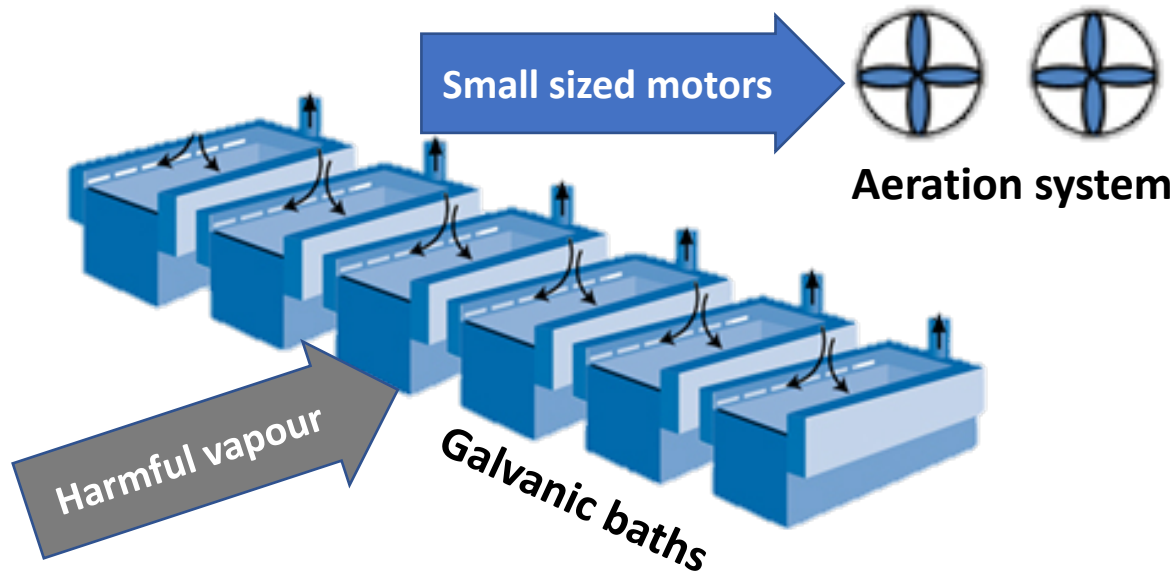
Consulting and customization

Predictive maintenance

PlantOne

Toward the Predictive Maintenance democratisation

Predictive maintenance democratisation: A real problem? A center of Italy story



A galvanization plant uses dangerous chemicals liquids that can generate harmful vapours (hydrogen cyanide).

Similar environments & potential clients

- Tanning industries
- Paper industries
- Soft materials
- Automotive



Our solution: The PlantOne system



Un-monitored
motors and
machineries

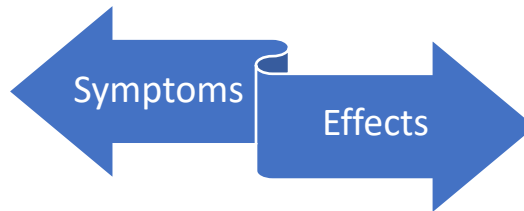
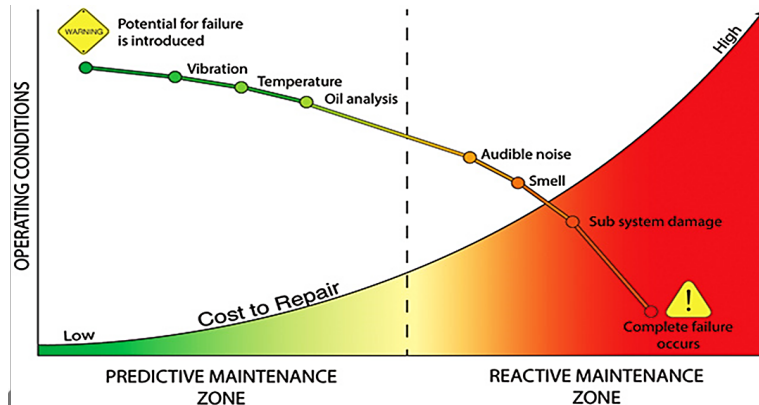
Our solution: The PlantOne system

Un-monitored
motors and
machineries



PlantOne system

- Retrofit
- Flexible
- Plug&Play



Added value and advantages

Open, scalable, horizontal

In network interaction logics

Money saving though Retrofit

Reduction of downtime

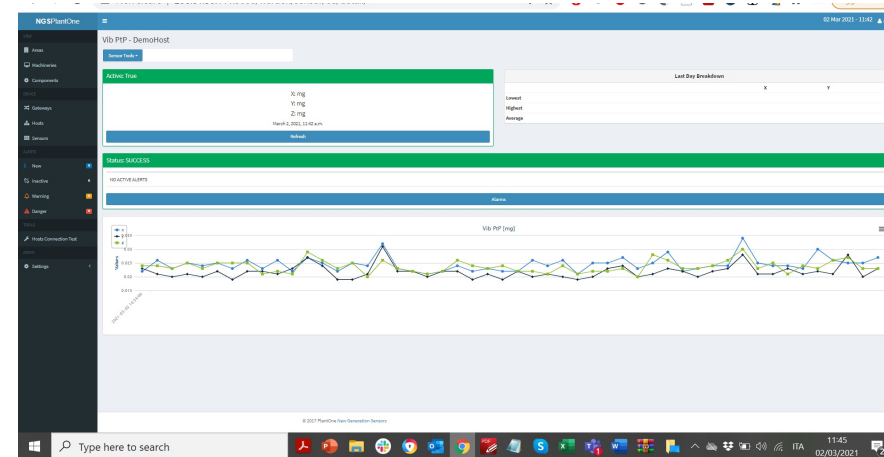
Reduction of maintenance costs

Scheduled maintenance

Worker and environmental safety improvement

ISO certification (environment and safety → continuous improvement)

Ready to sell

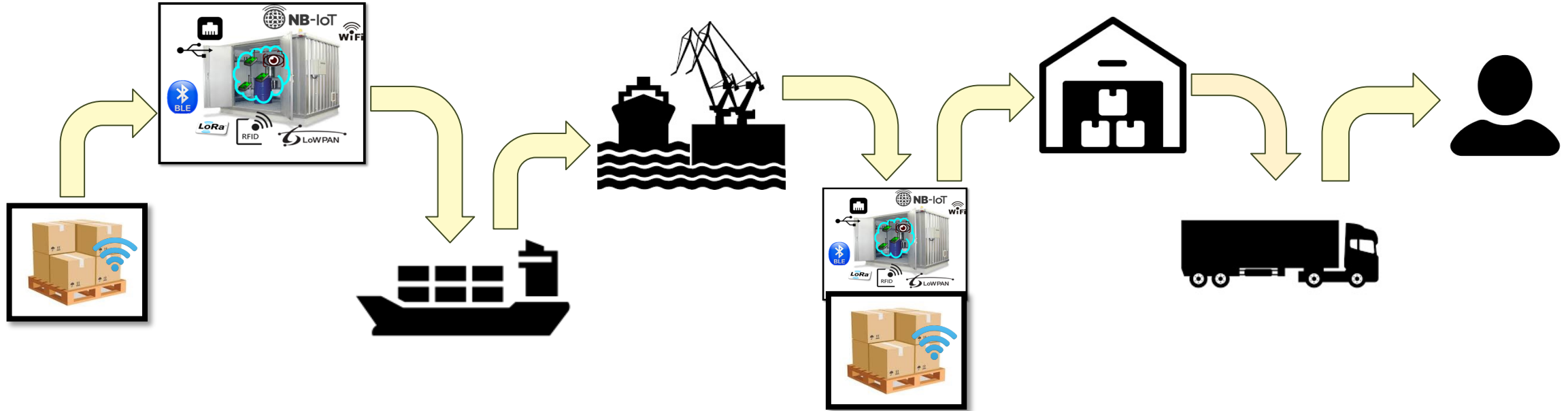


Smart Logistics

TrackOne

NGS solutions for Smart Logistics

IoT solution for Supply Chain Complete Visibility



- Last mile & cargo logistics real-time T&T&M
- Open&scalable S&T&T&M for goods and assets
- Improved granularity

- Secure and ad-hoc access
- Human understandable
- Standardised&interoperable
- Trusted storage with BC

Serialisation, Track&Trace, Monitoring



Serialisation

- Follow the production, evaluate production time
- The supply chain as distributed warehouse



Track&Trace

- Where is located the goods?
- When these will arrive?



Monitoring

- How is the goods?

Improved granularity supply chain visibility

What?



Smart pallet



Smart Basket

Where?



Smart container



Smart Mean

When?

How?



Control Room



Control Room

Added value and advantages

Open, scalable, horizontal

Supply chain visibility

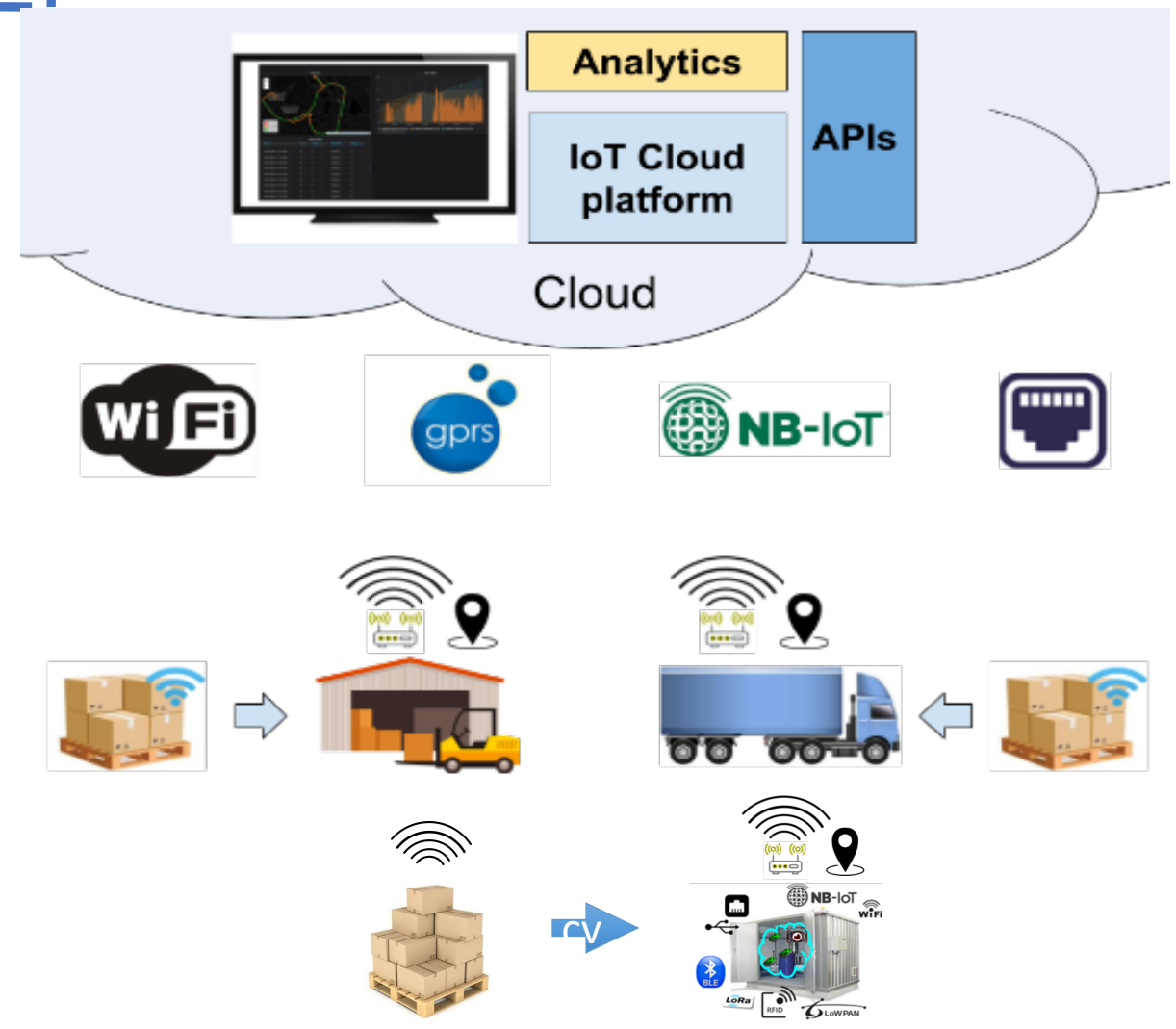
T&T&M at improved granularity

Asset management & circular economy

Secure & ad-hoc data collection and access

Data processing and information generation

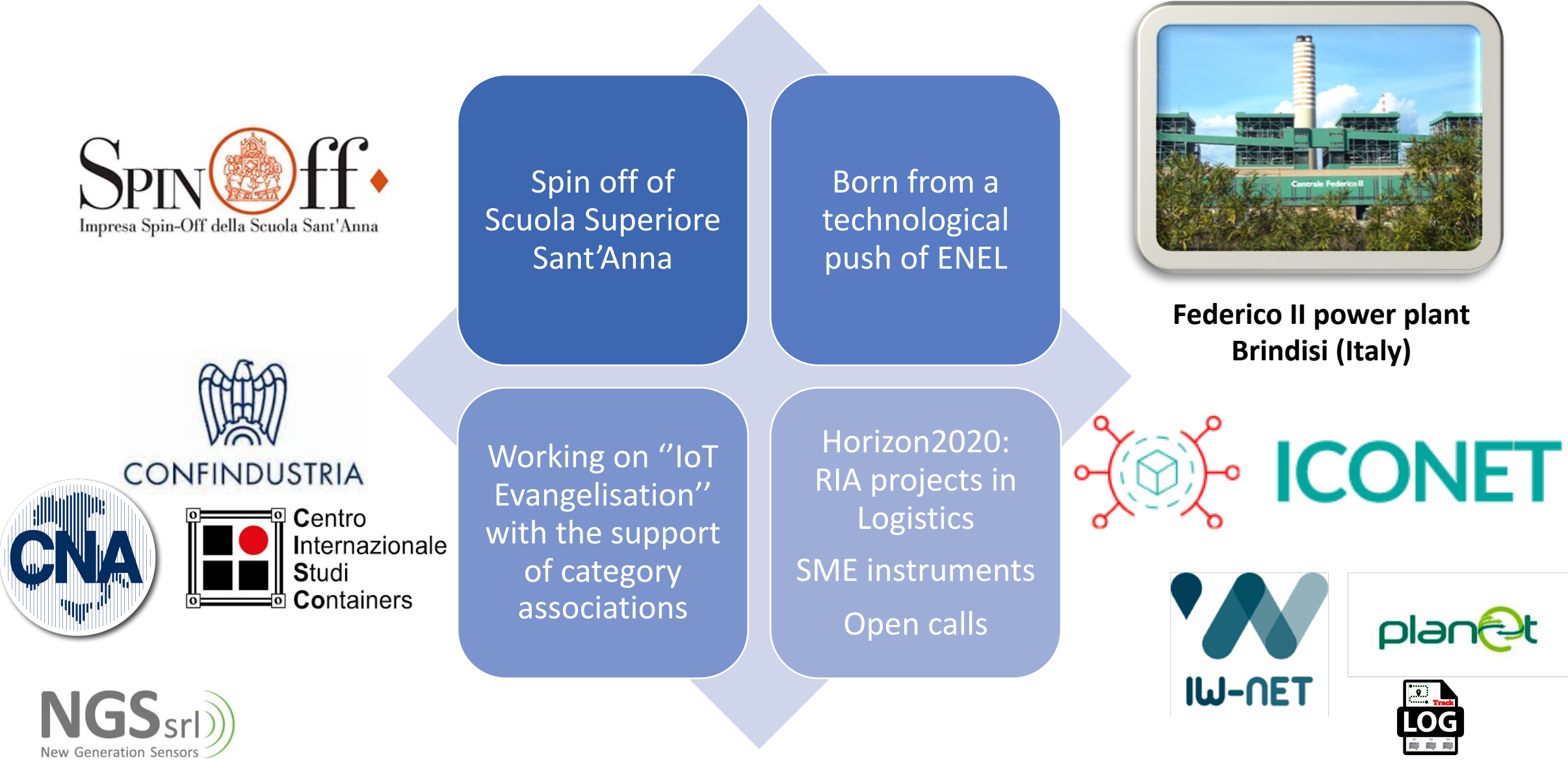
Fact based decision making support





About NGS

Traction



The multidisciplinary team



**Claudio
Salvadori**

CEO e Founder



Luigi Grimaldi

Embedded System
Senior Dev.



**Marco
Spinosa**

Cloud Dev.



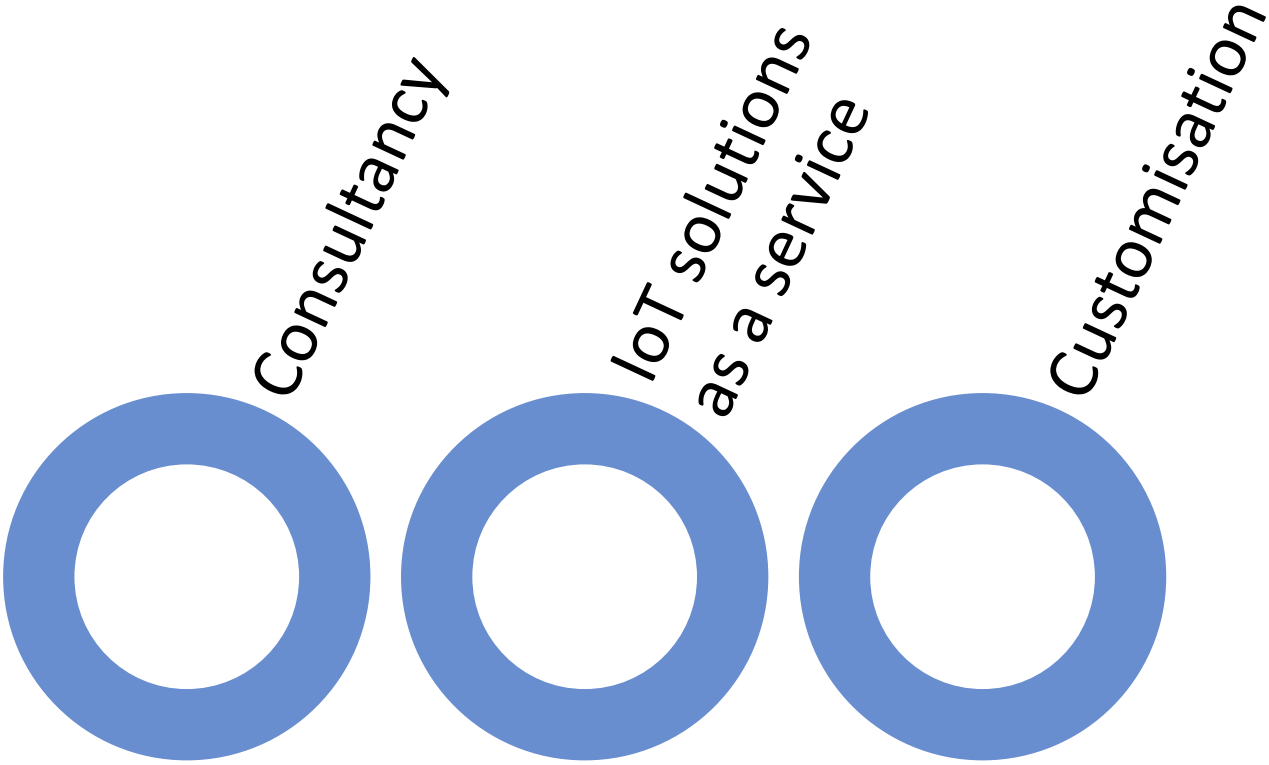
Eddi Lorenzi

Linux Developed

Expertise:

- Low Power and connected hardware development
- Optimised firmware development
- Cloud platform development
- Computer vision & signal processing & Artificial intelligence

Business model



Contact
Details



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