Customer Benefits

- **Real time** 24/7
- **Reliable**
- **Flexible** A B
- **Convenient**
- **Decide**
- **Remediate**
- **Optimize**
- **Predict**

+ 500 years of experience

+ 200 clients

+ 50% turnover abroad

Human senses digitalisation for environmental intelligence

Ellona provides advanced environmental intelligence solutions, collecting & enriching data about perceived conditions, whether outdoor or indoor, for the benefit of decision makers. These solutions are state-of-the-art, using AI and Edge IoT technologies.

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Make the world a **safer and healthier** place

People and organizations are realizing that the environmental health is not any longer an option when they want to thrive in their objectives and lives. Ellona IoT technologies and services, based on human senses digitalisation, respond to these challenges and offer environmental intelligence solutions.

7+
million deaths annually

Air pollution silently kills the equivalent of Hong-Kong, Santiago de Chile or Houston's population
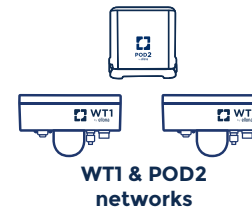
164
billion € at UE level (impact on GDP)

Due to the lack of environmental pollution impact consideration

x 4
indoor/outdoor pollution ratio

The pollution in indoor environment is up to 4 times more polluted than outdoor air, due to the lack of consideration of the impact of environmental pollution

Environmental Intelligence Platform

By making the invisible visible, we provide our customers with actionable data to make every environment healthy and safe in order to live more, better, together and in confidence
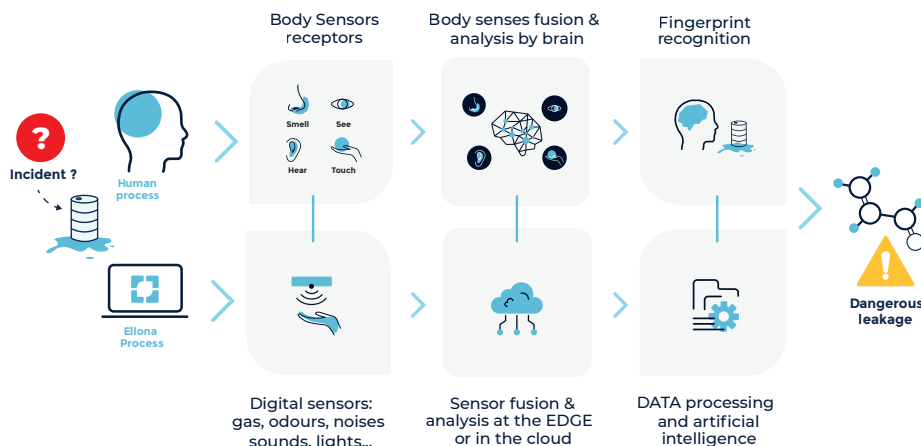
WT1 & POD2 networks

QR code feedback

Third-party devices

ellona platform

API

Third-party applications

How it works

An All-in-one holistic solution to measure, monitor, visualize & manage the quality of your environment

Incident ?

Human process

Ellona Process

Body Sensors receptors

Smell   See

Hear   Touch

Body senses fusion & analysis by brain

Fingerprint recognition

Dangerous leakage

Digital sensors: gas, odours, noises sounds, lights...

Sensor fusion & analysis at the EDGE or in the cloud

DATA processing and artificial intelligence

Our expertise:

Understanding of odors, gases, particles, light and sound environmental conditions.

AI — Inspired by biomimicry and Environmental Intelligence, data gathering and actionable intelligence to solve business problems

Data science/mining applied to the recognition of signatures as they apply to the customers' businesses

Proprietary modulation algorithms and signatures based on intelligent miniature sensors