ORIOMA
LOBX

LOBX counts the people in the room

25-30 %
ENERGY SAVING
thanks to monitoring of radiators, temperature, air conditioning, and light

Revolutionize energy efficiency with our IoT sensor dedicated to smart buildings, reducing consumption by 25-30%.

People counting
Know the human activity in a room to optimize occupant comfort.

Security
Detect heat sources and abnormal behavior, ensure building safety.
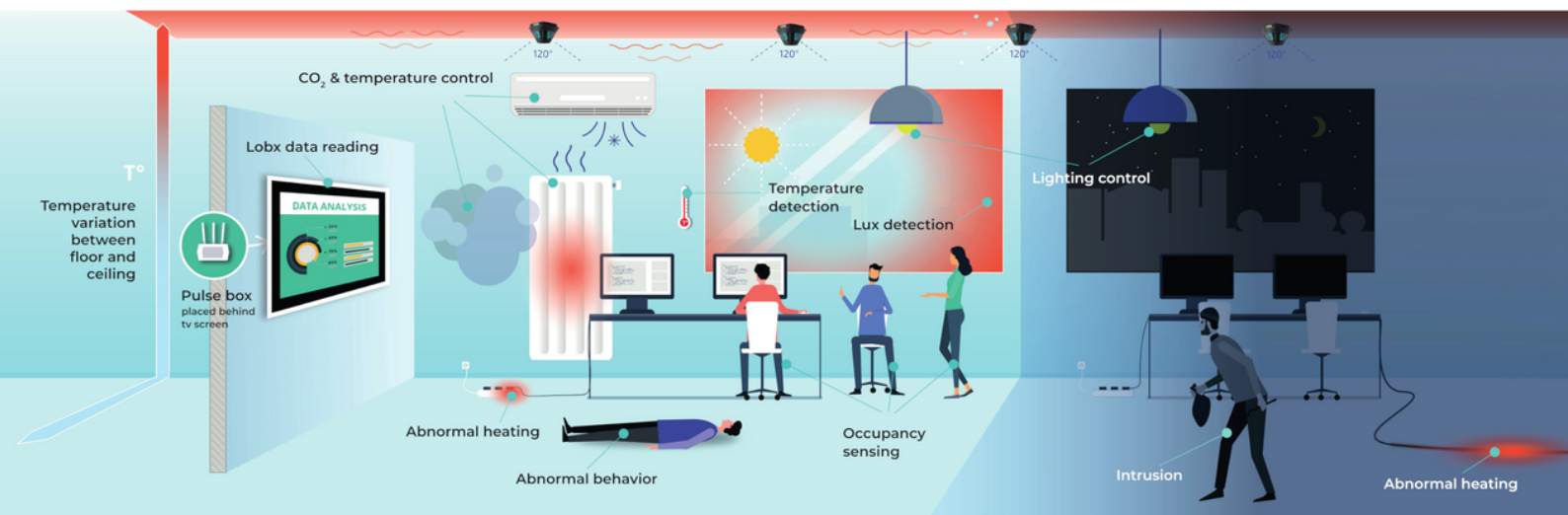
Regulating the working environment
Monitor CO2 levels, ambient light and temperature, and adjust them according to measured activity.

Simplified integration for smart buildings :

- Easy installation: only two screws required. No wires or batteries.
- Self-sufficient: 15-year maintenance-free autonomy.
- Connection of the sensor to your building management system through MQTT.

Testez le LOBX pendant 1 mois gratuitement

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Advantages :

- **Ecological: Contribute to a greener environment by reducing energy consumption.**

- **Financial: Save on energy bills through improved efficiency.**

- **Safety: Ensure the well-being of building occupants with comfort and safety features.**

Evolutions in progress around the control of spaces :

- **Gas leak detection.**
- **GTB with OrioView supervision software**
- **LOBX connected to OrioConnect (concentrator gateway), communicating via LoRa-WAN**

Test LOBX for 1 month free of charge

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Detection angle 120 °

Max. motion detection area 105m² (3.5 m ceiling height)

Max. people counting area 70m² (3.5 m ceiling height)

Ambient light sensor From 1 to 3000 lux

Ambient temperature sensor Accuracy +/-1°C between 15 and 26°C

Performances Ultra-low-power 80x80 pixel thermal sensor

Infrared image Wide field of view (120° HFOV)

Complete privacy The image is never transmitted outside the LOBX

Security protocols used LoraWan ABP

Wireless connectivity LoRaWAN 868-EU

Ceiling mounting With 2 screws or magnet (magnet included)

Certification RohS, CE

Standard hardware warranty 2 years

Dimensions 110x103x60 mm (overall)

Power supply Indoor photovoltaic panel