

Self-powered IOT unique sensor for your offices
Patented very-low-power infrared sensor



Works Day and Night



LoRa communication



Battery free



Wired energy free



Multi-measurements



Privacy by design

- Multifunctional sensor
- Works day and night
- Free of wires and batteries
- Maintenance free
- 5 minutes installation and commissioning
- 15 years of peace of mind
- Patented very-low-power infrared sensor

Measurements

Needed for energy management

Occupancy sensing
Lighting sensing
Ambient temperature sensing

Available in 2023

Properties safety: abnormal heating detection for fire prevention
People safety: detection of people lying down
Security: intrusion detection

Privacy

Privacy by design: the infrared picture is analyzed in the LobX and never get out

Communications

Cloud access with LoRaWAN through dedicated gateways

Production status

First products available in Q1/2023
NB: shape, size and color of the product can vary without warning


Performances

80x80 or 128x128 pixels very-low-power thermal sensor (microbolometers 8-12 μm)
Wide field of view (HFOV of 120°)
Powered by innovative solar panels harvesting energy from natural and artificial light

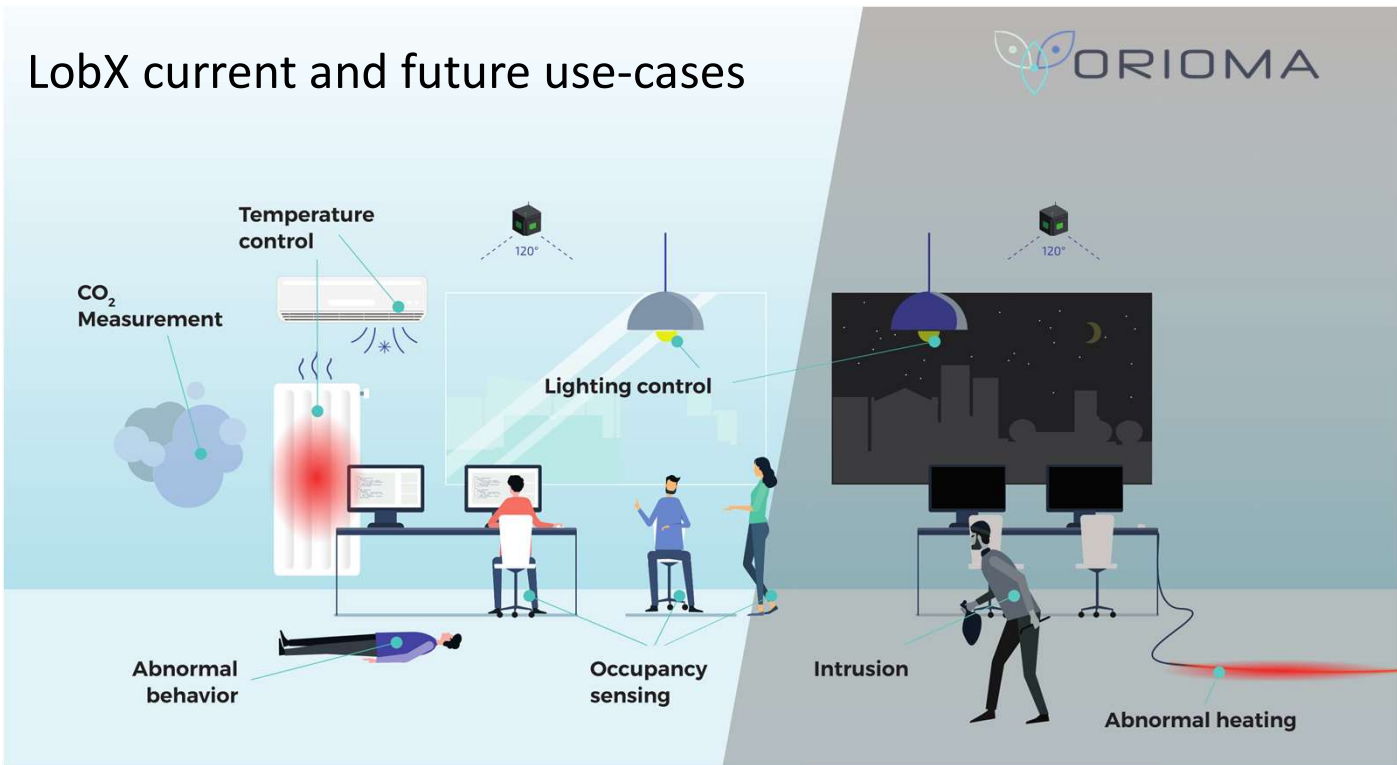
Detection

Image is analyzed in the LobX, using proprietary algorithms
Detection frequency: 1 analysis is done every 50 seconds.
Radio messages: Sent on LoRa each time there is a change/event

Sustainable smart building

 Our product is designed to operate 15 years and to save energy and earth resources

LobX current and future use-cases



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