inventronics

HubSense®

Swift. Simple. Scalable.

Flexible, intuitive, and scalable wireless light management powered by Bluetooth® NLC

Smart lighting for the spaces where life happens

People spend up to 90% of their time indoors, making lighting quality and efficiency essential for comfort and well-being.

Yet most commercial buildings still lack intelligent lighting control: only **20% of renovated and 80% of new buildings** feature dimmable installations.

The result? **Energy waste, higher operating costs, and limited flexibility** when spaces evolve.

HubSense® turns this challenge into opportunity

It's the **smart indoor lighting system** that maximizes energy savings and simplifies control, with comfort built in.

By combining **efficiency, adaptability, and user well-being**, HubSense® helps organizations create **smarter, more sustainable buildings.**

What is HubSense®

HubSense® is a wireless lighting control solution for both new and retrofit projects: fast, intuitive, and scalable.

Designed to provide a reliable yet flexible platform, it adapts to a wide range of applications: from offices to commercial spaces, from warehouses to outdoor pathways. It delivers the **right light, at the right time, every time.**

But HubSense® goes beyond convenience. With lighting representing up to 20% of a building's total energy use, modernization is essential to meet EU targets of a 32.5% reduction by 2030.

HubSense® reduces energy costs quietly in the background, **without affecting comfort, light quality or daily use,** the only thing you see change is your energy bill.

Light that supports well-being and focus, without asking you to compromise.

Integrated cybersecurity
Secure, reliable, worry-free
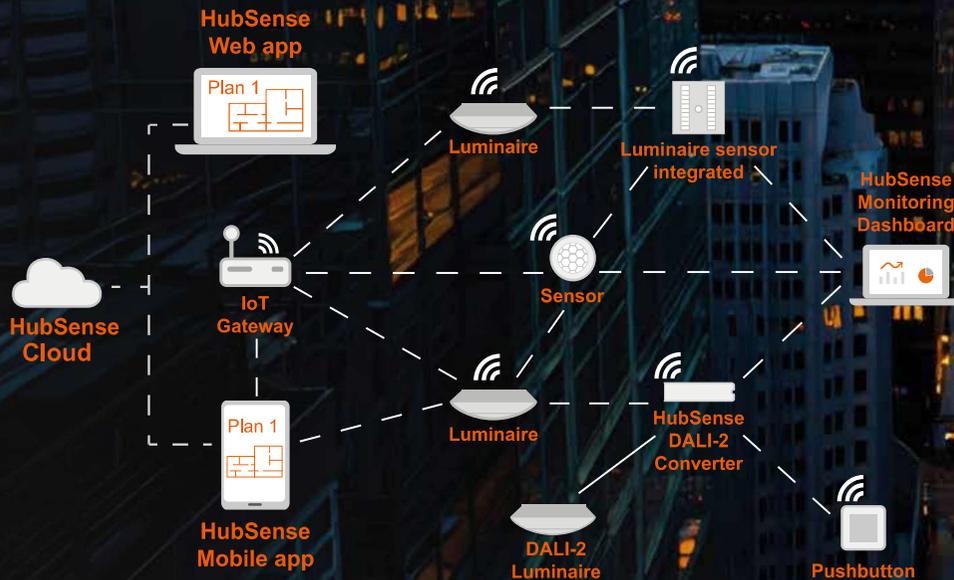
Scalable system
Potentially limitless light points

Intuitive commissioning
No complicated setup required

Fast and easy installation
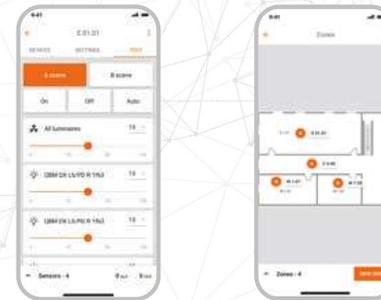Get up and running in no time

HubSense Web app
Plan 1

HubSense Cloud

IoT Gateway

Luminaire

Luminaire sensor integrated

HubSense Monitoring Dashboard

Sensor

Plan 1

HubSense Mobile app

Luminaire

HubSense DALI-2 Converter

DALI-2 Luminaire

Pushbutton

Why HubSense®

Simple Integration. Lower Costs. Reliable for Years

HubSense® delivers more than energy savings, it transforms how lighting systems are planned, installed, and managed, representing a more advanced solution than conventional systems.

6× faster, non-disruptive installation
Wireless, room-by-room setup, no masonry work, no downtime

Quick, assured payback
Predictable returns thanks to tracked and optimized energy use

Low CO_2, better sustainability
Less energy used means fewer emissions and easier compliance

Longer lifetime, less maintenance
Smart control extends luminaire life and reduces service needs

Future-proof, secure & IoT
Bluetooth® NLC ensures interoperability, cybersecurity and scalability

The 3 "S" of HubSense®

Swift
HubSense® is instantly operational. It requires no additional cabling and can be commissioned wirelessly in just a few steps, making it fast to deploy and completely non-disruptive to people and workspaces.

Simple
Designed with usability in mind, HubSense® offers intuitive controls and a user-friendly interface that make system management effortless. Integration with existing infrastructures is seamless, allowing smooth upgrades without complexity.

Scalable
From a single office to an entire building, HubSense® grows with your needs. Thanks to the NLC Bluetooth® standard, it ensures flexibility, interoperability, and future readiness - a system built to evolve as your facility does.

Offices

Payback **<1.9** Years

Up to **80%** Energy Savings

Warehouses

Payback **<1.2** Years

Up to **92%** Energy Savings

Perfect for any space

HubSense® adapts to a wide range of environments, from offices, warehouses, and retail spaces to schools, factories, and parking garages.
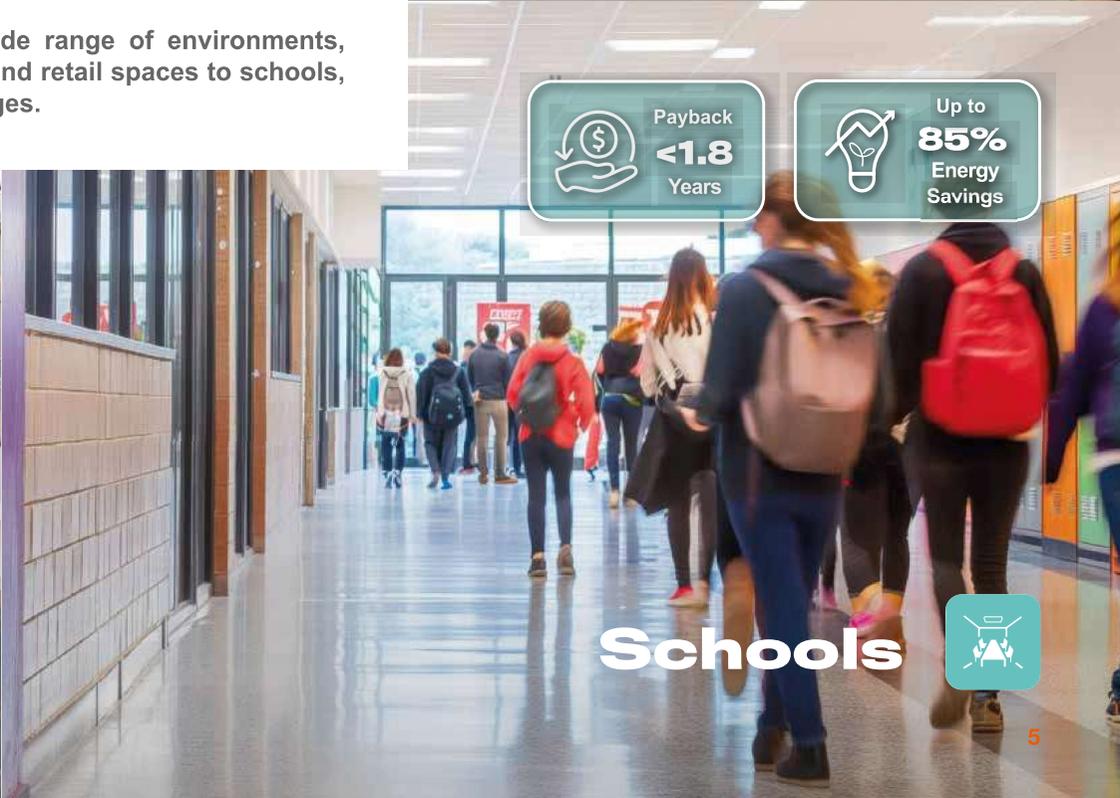
Retail spaces

Payback **<2** Years

Up to **80%** Energy Savings

Schools

Payback **<1.8** Years

Up to **85%** Energy Savings

Fast, effortless installation. Maximum efficiency

Step-by-step, stress-free setup
With HubSense®, **you don't have to upgrade an entire building at once.** Start with one room, make it fully operational, and expand over time, all without interrupting daily work.

Off-site configuration, on-site optimization
The system **can be pre-configured before installation and then fine-tuned directly in each space.** This approach saves time, avoids unnecessary cabling or masonry, and ensures smooth commissioning with minimal disruption.
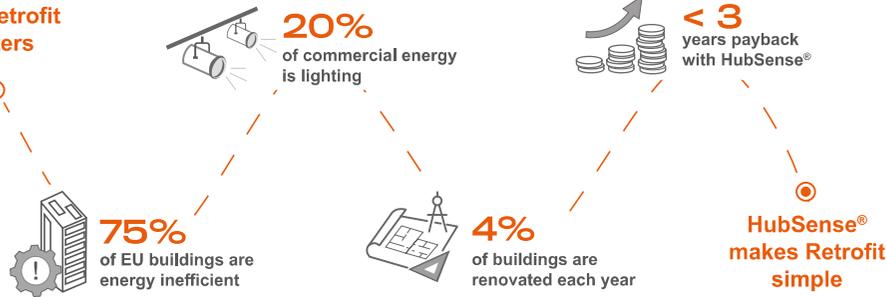
Smart sensors, high comfort, low energy
HubSense® uses intelligent motion and daylight sensors to deliver light only when and where it's needed. Smooth dimming and natural light integration ensure **consistent visual comfort, reducing both operating costs and CO_2 emissions.**

Transforming the buildings we already have

HubSense® doesn't ask you to rebuild, it simply helps you move forward. One room at a time, no dust, no interruptions. Just lighting that adapts, supports and stays one step ahead with you.

Why Retrofit matters

20%
of commercial energy is lighting

< 3
years payback with HubSense®

75%
of EU buildings are energy inefficient

4%
of buildings are renovated each year

HubSense® makes Retrofit simple
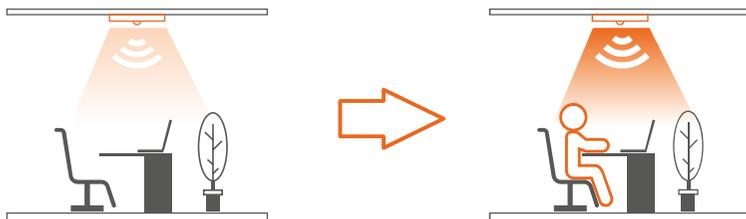
From lighting control to building intelligence

HubSense® isn't only designed to last, it's designed to collaborate

In modern smart buildings, lighting no longer works in isolation. It connects with building management systems (BMS), **ensuring that energy is used only when and where it's needed.** Lights dim when natural daylight is enough. Corridors, offices and meeting rooms only light up when occupied, and HubSense® can even signal air-conditioning or heating systems to reduce power when no one's there.

As regulations push for smarter, more efficient and sustainable buildings across Europe, HubSense® helps future-proof projects from the start. In the context of the EU Energy Performance of Buildings Directive (EPBD), it allows achieving a higher Smart Readiness Indicator (SRI) score. It is designed to work together with other building automation systems, making it ideal not only for retrofits but also for new high-performance buildings, aiming for LEED or BREEAM certifications.
This is lighting that doesn't just save energy, it helps the whole building breathe, respond and consume less.

Cleaner for the planet. Easier for facility managers. Better for end-users.

Where IoT becomes light

HubSense® turns lighting into an intelligent, connected network. Sensors detect presence, movement and daylight to provide light only where and when it's needed. **Energy and system performance can be monitored in real time and controlled remotely from any device.**

And because emergency lighting is part of the same digital ecosystem, HubSense® also enables functional and duration tests, notify failures and automatically generates safety reports. **Maintenance becomes proactive instead of reactive**, smoother for facility managers, safer for occupants.

This isn't just connected lighting. It's lighting that listens and responds.

Emergency Lighting

One system. Any building. Any time

Lighting that evolves with your space
HubSense® fits any building, from single offices to entire complexes. When layouts change, simply update the digital floor plan. No rewiring, no retraining, no disruption.

Safety and reliability built in
Emergency lighting can be monitored and tested within the same system. Automated reports and failure prediction help maintain compliance with no added effort.
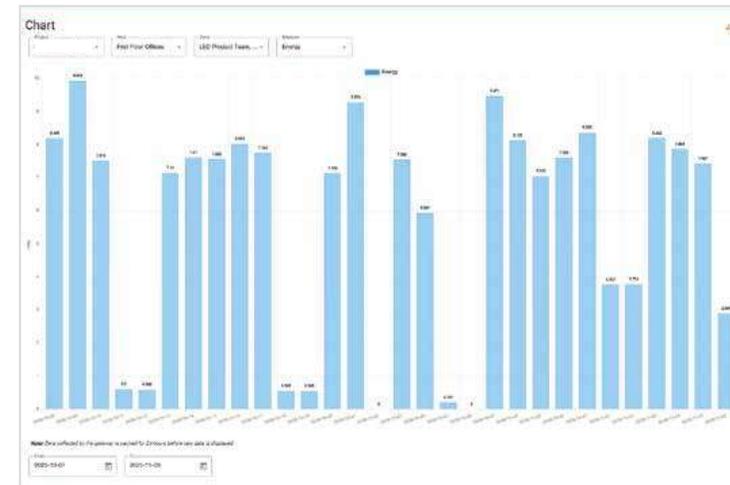
Comfort at your fingertips
Create zones, set scenes and adjust light levels in seconds. Battery-free wireless switches enable instant manual control, without maintenance.

Open and connected to your building
Powered by Bluetooth® NLC, HubSense® integrates with smart building and automation platforms, working alongside HVAC and BMS to support energy efficiency and sustainability.

Energy consumption

Discover HubSense® : the open-standard wireless control system that goes beyond energy savings.

It redefines how lighting is planned, installed and managed, making it easier to deploy, simpler to control and ready to scale as your building evolves. Built on interoperable standards and certified to CE, D4i and UL.

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