

# Deliver comfort while reducing energy use

## SpaceLogic Insight-Sensor part of EcoStruxure Connected Room Solutions

Maximizing comfort while reducing energy consumption is no easy feat. It requires access to real-time information and precise room control.

Schneider Electric™ introduces the SpaceLogic™ Insight-Sensor, an advanced six-in-one room sensor for occupancy, people count, light, sound, temperature, and humidity sensing in real-time.

Unlike traditional demand-controlled ventilation sensors that rely on CO<sub>2</sub> levels or programmed schedules, SpaceLogic Insight-Sensor uses real-time discreet people-counting technology. Instead of waiting for room conditions to become uncomfortable, ventilation, informed by the Insight-Sensor, responds dynamically to changes in room occupancy, optimizing room conditions faster and more accurately.

With Insight-Sensor, rooms no longer function on a pre-set design standard, but can instead flex to meet the needs of a single occupant or a packed conference room. Rooms are not only more comfortable while in use, but Insight-Sensor also ensures no energy is wasted when they're unoccupied. In addition, these sensors capture actionable insights essential for creating more sustainable, net-zero carbon buildings.

**The SpaceLogic Insight-Sensor provides real-time information and actionable insights on room occupancy, so you use energy for heating, cooling, ventilation, and lighting only where – and when – it's needed.**



Create more sustainable, flexible, and future-ready buildings with SpaceLogic Insight-Sensors:

- **Increase occupant and tenant satisfaction**  
Ensure room environments are optimized for comfort and productivity: temperature, lighting, sound, fresh air supply, and more.
- **Reduce energy costs and increase operational efficiency**  
Heat, cool, light and ventilate spaces only where and when it's needed, based on actual number of people in the room.
- **Increase building value**  
Capture granular room-level energy and well-being analytics required for LEED, WELL, Fitwel, and other certifications.

**Did you know:** Increasing ventilation rates to improve indoor air quality may increase occupant performance by 5-10%.<sup>1</sup>

## Advanced sensing capability

The SpaceLogic Insight-Sensor is the most advanced six-in-one ceiling-mounted room and zone sensor. It includes BLE iBeacon for wireless remote control and integration with third-party beaconing applications, like wayfinding.

Optimize room conditions and capture energy and well-being analytics with these precise sensing capabilities designed to respect the privacy of occupants:

- **People Counting and Presence Detection**  
Exact, real-time occupancy is achieved using thermal imaging for counting and passive infrared sensing for presence – not cameras.
- **Sound and Light**  
Ambient sound level is measured with decibel metering, not microphones. Ambient light sensing provides luminosity measurement for optimal daylight harvesting, and circadian lighting.
- **Temperature and Humidity**  
Moisture and temperature are monitored in ceiling spaces, such as near chilled beams, to prevent unsightly water damage.

## A modern room solution

SpaceLogic Insight-Sensors are part of EcoStruxure™ Connected Room Solutions, a flexible and modular connected room-level solution that modernizes building infrastructure with an IP backbone.

Integrate building systems like lighting, blinds, HVAC, and now indoor air and environmental quality. Simplify space reconfiguration and rezoning based on real data and improve occupant and tenant satisfaction with smart building services integration.

1 International Centre for Indoor Environment and Energy, Technical University of Denmark

## Lower cost of ownership

Natively integrate SpaceLogic Insight-Sensor data with EcoStruxure™ Building Operation building management system platform – there is no need to invest in third-party data or management systems.

This smart building integration not only enables faster, on-demand response to changing room conditions and occupancy, but also makes the data accessible in a single comprehensive view with other building systems, helping to manage, optimize, and improve building performance, reduce energy waste, and increase operational efficiency.



For more information please contact your Schneider Electric representative.

[se.com](https://se.com)

Life Is On

**Schneider**  
Electric

**Schneider Electric**  
Andover R&D Center  
800 Federal Street  
Andover, MA 01810