800+ BUILDINGS MANAGED

150,000+ ACTIVE USERS

100% CANADIAN

WWW. ELIA.IO

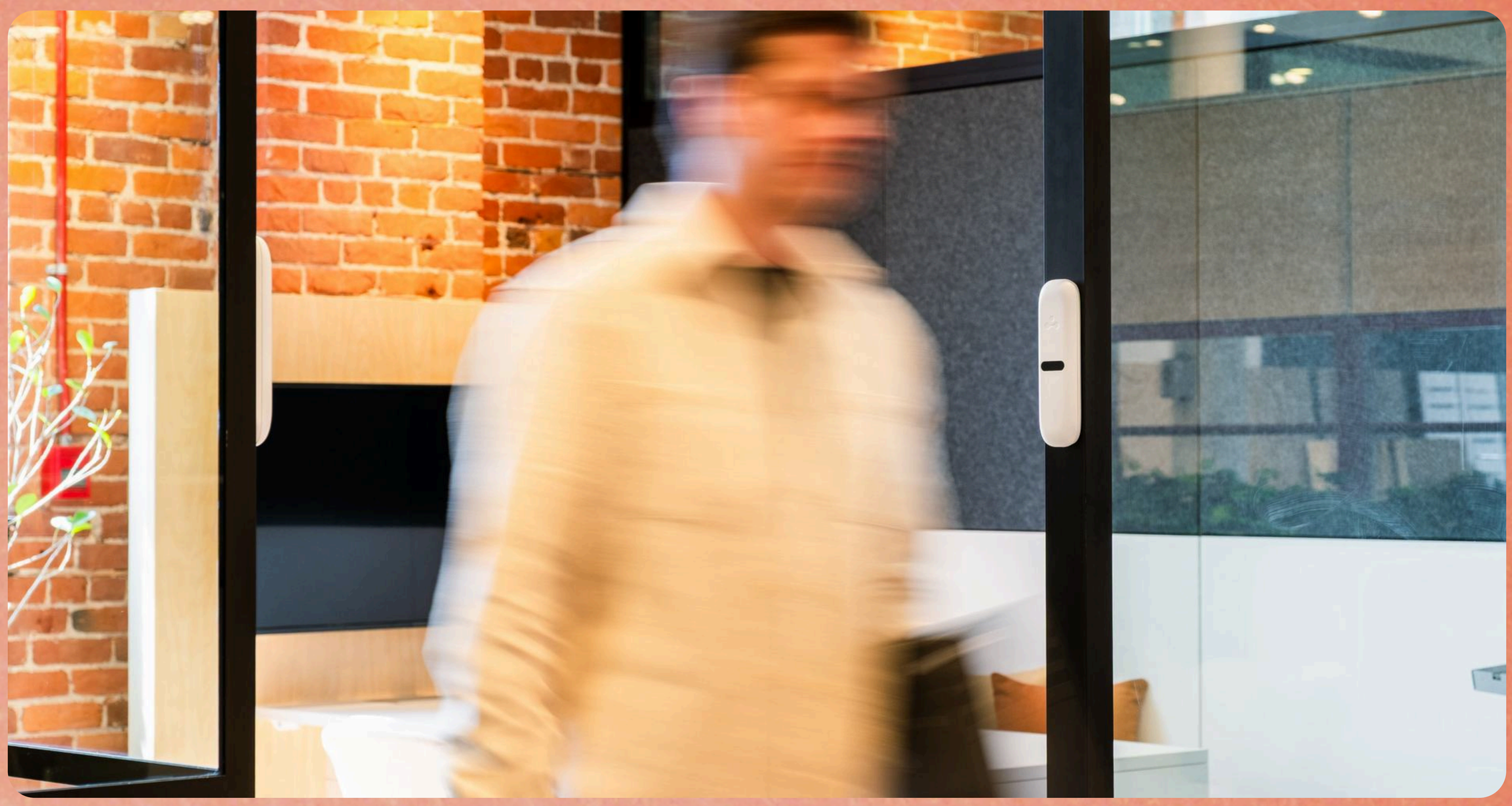
Room Occupancy Sensor

PRODUCT OVERVIEW

The Room Occupancy Sensor tracks room entries and exits to give you an accurate, real-time measure of room occupancy. Its embedded algorithm and infrared sensors detect movement without capturing any personal or identifying information, so privacy is protected in every space it monitors.

It mounts on both sides of a passage point, such as a doorway, and runs on battery power, so there's no wiring required. Attach it with adhesive or screws and it starts sending occupancy data straight to the elia platform.





Wireless, Battery-Operated Sensors

The room occupancy sensors are completely wireless and battery-powered, making installation quick and non-disruptive. Simply install the sensors on either sides of a doorframe or passageway and enjoy accurate, ongoing occupancy data for any shared space.

Subtle Design and Placement

The sensors feature a sleek, low-profile design and are available in both black and white to blend into any environment. Whether glued or drilled into the doorframe, they remain discreet and unobtrusive, delivering reliable data without drawing attention.

Accurate, Anonymous Usage Data

The sensors track entries and exits with precision while maintaining full user anonymity. By capturing only movement, they provide accurate data on space usage without collecting any personal information, ensuring privacy and compliance.

Accessible & Affordable

elia sensors make occupancy data straightforward to deploy and easier to justify than most enterprise hardware. There is no structural work, no complex infrastructure, and no lengthy installation window.

elia

800+ BUILDINGS MANAGED

150,000+ ACTIVE USERS

100% CANADIAN

WWW. ELIA.IO

Room Occupancy Sensor

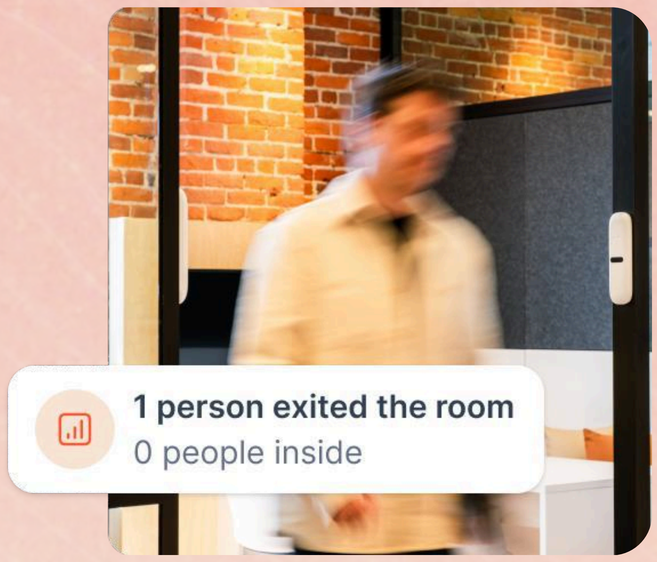
HOW IT WORKS



01

Mount Sensors on Either Side of a Passage Point

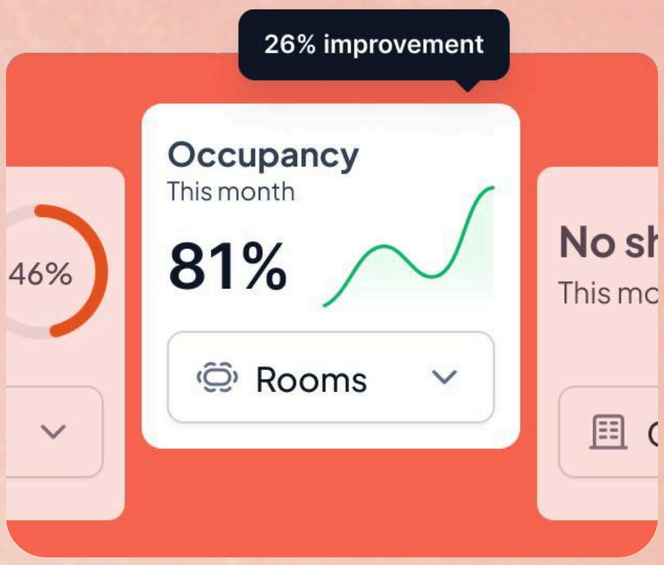
The sensors are designed to be mounted at shoulder height on either side of a passage point. Whether glued or screwed into place, setup is quick and non-intrusive, requiring no complex tools or infrastructure changes.



02

Directional Passage Data is Collected and Sent to the elia Web Platform

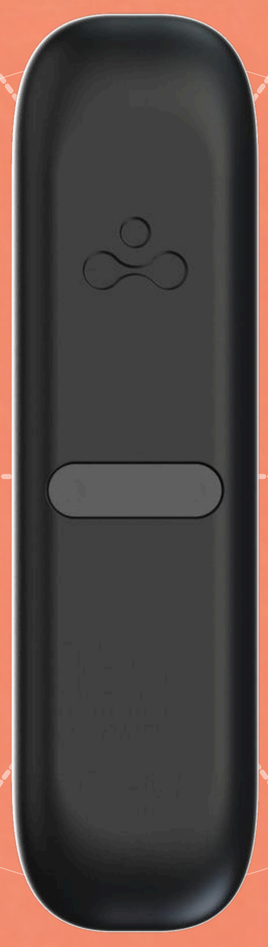
The gateway automatically scans your office environment to detect connected devices and collect data. It then syncs this information with the elia platform in real time, giving you a complete, up-to-date view of your workplace.



03

Access Detailed Reports and Insights on Room Occupancy

The platform provides detailed analytics and reports based on your occupancy data. You can track how often rooms are used, identify peak times, spot underutilized spaces, and make informed decisions about layout, capacity, and resource allocation.



High-Accuracy Detection

The sophisticated passage point algorithm captures entries and exits with a 98% accuracy rate to fuel confident space planning.

Resilient IP52 Protection

The casing is IP52-rated against dust and limited moisture ingress in standard operating temperatures ranging from 0°C to 40°C

Direct Wi-Fi Connectivity

The device leverages standard Wi-Fi compatibility to transmit occupancy data without the need to deploy additional intermediate networking hardware.

Adaptable Mounting Options

Secure the sensors using double-sided adhesive, or opt for traditional screw mounting for a permanent fixture.

Extended 24-Month Lifespan

The sensor operates efficiently for up to two full years powered simply by standard AA batteries.

Standard Doorway Spacing

The two-part passage sensors are engineered to maintain a reliable connection across doorframes up to 1.8 meter wide.

800+ BUILDINGS MANAGED

150,000+ ACTIVE USERS

100% CANADIAN

WWW. ELIA.IO

Room Occupancy Sensor

TECHNICAL SPECIFICATIONS

Usage	Occupancy measurement for rooms via passage counter	
Performance	Precision Installation Height	98% 1.3m
Mechanics	Height Width Thickness Weight	185mm 48mm 25mm 200g
Max Doorframe Width	Distance	1.8m
Technology	Compatibility	Wi-Fi
Power	Type Lifespan	AA Batteries (6) 24 months
Casing	Color Attachment Protection	Black or white Double-sided adhesive or screws IP 52
Environment	Temperature	0°C to 40°C
Warranty	1 year	

GetApp Capterra

Software Advice

Capterra
BEST EASE OF USE
2026

Software Advice
BEST CUSTOMER SUPPORT
2026

ISO
CERTIFIED
9001 & 27001

800+ BUILDINGS MANAGED

150,000+ ACTIVE USERS

100% CANADIAN

WWW. ELIA.IO

Typical Use Cases

VALIDATE REAL ROOM USAGE

Booking data only shows whether a room was reserved, not how it was actually used. The Room Occupancy Sensor closes that gap by tracking true presence in real time, independent of any booking system, and reporting the average number of people actually inside a room during use. This allows you to compare booked capacity against actual occupancy and identify where the two diverge.

For example, a boardroom configured to seat twelve people might show consistent occupancy of only two or three people over several months of data. With that evidence, you can reconfigure the space accordingly, splitting the underused boardroom into two smaller meeting rooms that better match how the room is actually being used.

AUTOMATICALLY RELEASE NO-SHOW BOOKINGS

A room that is booked but never occupied represents lost capacity: the space is marked unavailable in the system while sitting empty in reality. The Room Occupancy Sensor addresses this by detecting whether a booked room is actually occupied after the reservation begins.

For example, if no presence is detected within 15 minutes of a booking's start time, the system can automatically cancel the reservation and release the room, making it available for someone else to book. This reduces the impact of no-shows and keeps room availability data accurate in real time, rather than reflecting ghost bookings.

PORTFOLIO-LEVEL SPACE PLANNING

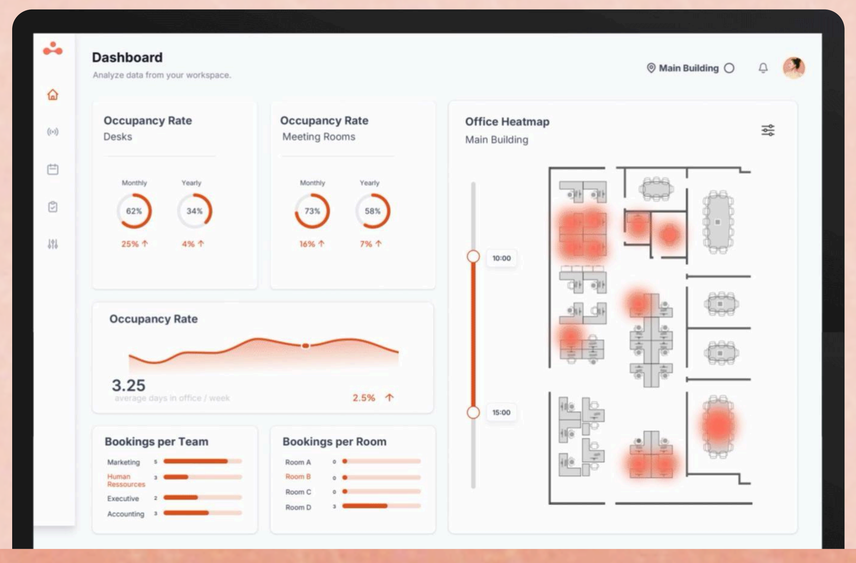
Individual room data becomes even more valuable when aggregated across an entire portfolio. The Room Occupancy Sensor's presence data can be rolled up across multiple rooms, floors, and buildings to reveal utilization patterns at scale. This makes it possible to compare actual usage across an entire real estate portfolio and identify which locations are consistently underused.

For example, if occupancy data shows that an entire floor, or an entire building, is running well below its booked or intended capacity while another site is consistently over capacity, that data supports portfolio-level decisions such as consolidating space, reallocating teams across locations, or informing lease renewal and renegotiation timelines.

TRACK HYBRID WORK ATTENDANCE TRENDS

Beyond individual room usage, occupancy data collected over time reveals broader patterns in how a space is actually used across days, weeks, and seasons. The Room Occupancy Sensor captures this anonymously and in aggregate, giving facilities and workplace teams a reliable, ongoing view of attendance trends rather than a single point-in-time snapshot.

For example, if data consistently shows that occupancy is significantly lower on Mondays and Fridays compared to the middle of the week, that trend supports decisions such as adjusting a hybrid work policy, aligning in-office days with actual demand, or right-sizing the number of desks and rooms needed on any given day.



Interested in seeing what data your own office would show?

Book a short call with our team to walk through how elia would fit in your space.

Book a demo

Trusted by Forward Thinking Teams

Cascades · Air transat · QUEBECOR · FASKEN · Hydro Québec · AGROPUR Dairy Cooperative