800+ BUILDINGS MANAGED

150,000+ ACTIVE USERS

100% CANADIAN

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Desk Occupancy Sensor

PRODUCT OVERVIEW

The Desk Occupancy Sensor detects real-time presence at a workstation using infrared technology, without capturing any personal information. It's wireless, with a 5-year battery life, and communicates directly to the elia platform via a gateway, where you can track desk usage trends and make informed space planning decisions. You can also deploy it on a fully independent network, with no dependency on your internal infrastructure.

Installation takes seconds: peel the adhesive backing, place it under the desk, and it starts collecting data right away. No wiring, drilling, or complex setup required.





Wireless, Battery-Operated Sensors

No complex setup required. Simply peel and stick the sensor under a desk, connect it to the elia platform, and start collecting reliable occupancy data in minutes.

Subtle Design and Placement

Designed to be placed discreetly under the desk, the sensor stays completely out of sight and out of the way. It’s non-intrusive, and has no impact on day-to-day comfort or workflow.

Accurate, Anonymous Usage Data

The sensor detects occupancy using infrared technology that senses body heat, capturing presence data without identifying individuals. It provides more reliable insight than booking data alone and is designed for workspace optimization, ensuring both accuracy and privacy.

Insightful Analytics & Recommendations

Sensor data is transformed into clear, actionable insights through custom dashboards, heatmaps, and workspace reports. Cross-reference data points to paint a clear picture of how employees use the office and make smarter decisions about layout, capacity, and space planning.

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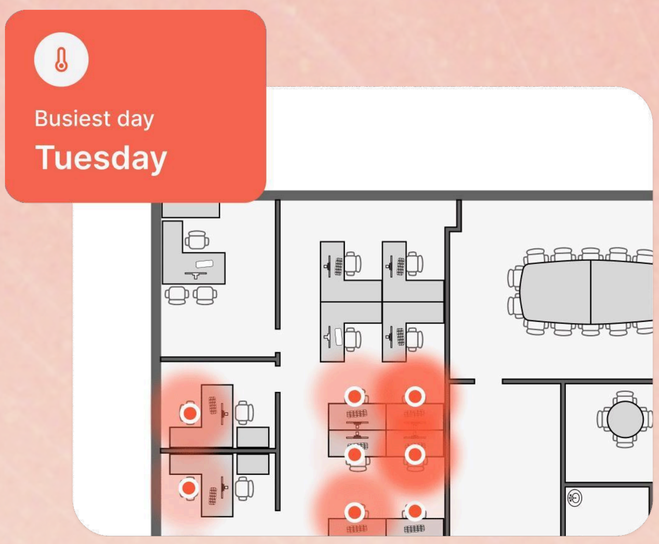
HOW IT WORKS



01

Peel & Stick the Sensor Under the Desk

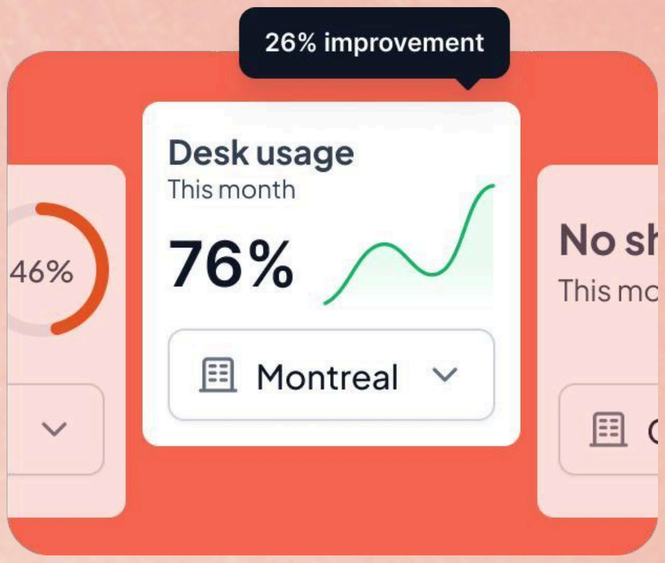
Install in seconds by simply peeling the adhesive backing and placing the sensor under the desk. No tools, drilling, or disruption required.



02

Occupancy Data is Automatically Synced to the elia Web Platform

Desk occupancy data is transmitted to the elia web-based platform, where it becomes accessible for analysis and workspace insights.



03

Access Deep Desk Usage Reports & Analytics

View desk occupancy trends, generate reports, and explore insights through dashboards and heatmaps, giving you the visibility you need to optimize your office layout and desk allocation.

Lightweight Network Footprint

Connects via BLE to an elia IoT Gateway. Can run on a fully separate network, independent from your internal infrastructure.

Real-Time Floor Plans

Occupancy data instantly updates the platform's interactive maps. Employees can effortlessly find available desks and locate colleagues in real time.

Deployment at Scale

No wiring needed. Peel-and-stick install, 5-year battery, zero maintenance visits once in place.

Workplace Optimization

Identify underutilized zones to right-size your real estate footprint and optimize costs.

Data Privacy & Compliance

Infrared body-heat detection only. No images or personal data captured. elia is ISO 27001 & ISO 9001 certified.

Automated Desk Check-Ins

When an employee books a desk online, the sensor can detect their presence upon arrival and automatically confirm the reservation.

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TECHNICAL SPECIFICATIONS

Usage	Real-time occupancy by thermal signature detection	
Performance	Range Precision	1 workspace per sensor 99%* *Controlled environment measurement
Mechanics	Height Width Thickness Weight	50mm 50mm 11.5mm 15g
Technology	Communication	BLE
Battery & Power	Power Lifespan	100µW (500 ms) 5 years (500 ms)
Casing	Attachment Protection	Double-sided adhesive IP 52
Environment	Temperature	0°C to 40°C
Warranty	1 year	

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ISO CERTIFIED
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Real Results from Real Deployments

To see more case studies, visit www.elia.io/case-studies



Centre intégré de santé et de services sociaux de Chaudière-Appalaches

Québec

178%

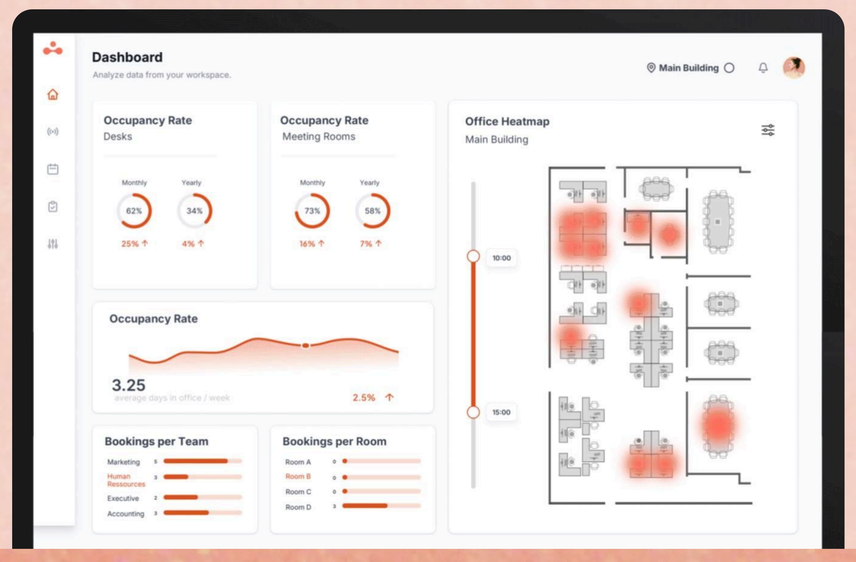
Increase in employee-to-workstation ratio

90 →250

Employees sharing 66 desks

When this healthcare network transitioned to a new flexible administrative office, they initially assigned 90 employees to just 66 unassigned desks. But rather than crossing their fingers and hoping they hadn't overcrowded the floor, the facilities team deployed desk occupancy sensors to track real-time utilization. The resulting data painted a clear picture of their daily attendance patterns, proving that the space was actually underutilized and could comfortably support far more people than their original estimates suggested.

Armed with this concrete evidence, the organization made the confident decision to increase the sharing pool to 250 employees for those same 66 workstations. By letting data drive their real estate strategy instead of guesswork, they maximized their administrative efficiency and identified pockets of consistently unused space. Ultimately, this allowed them to reclaim valuable square footage, converting unneeded administrative zones into dedicated clinical spaces that directly benefit the local community.



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

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