

enlighted™

A Siemens Company

Enlighted Transforms Office Buildings

Enlighted digitizes commercial real estate and transforms the office work experience, providing insights to optimize use of real estate, improve office productivity, and lower operating costs.



Beyond the Smart Office

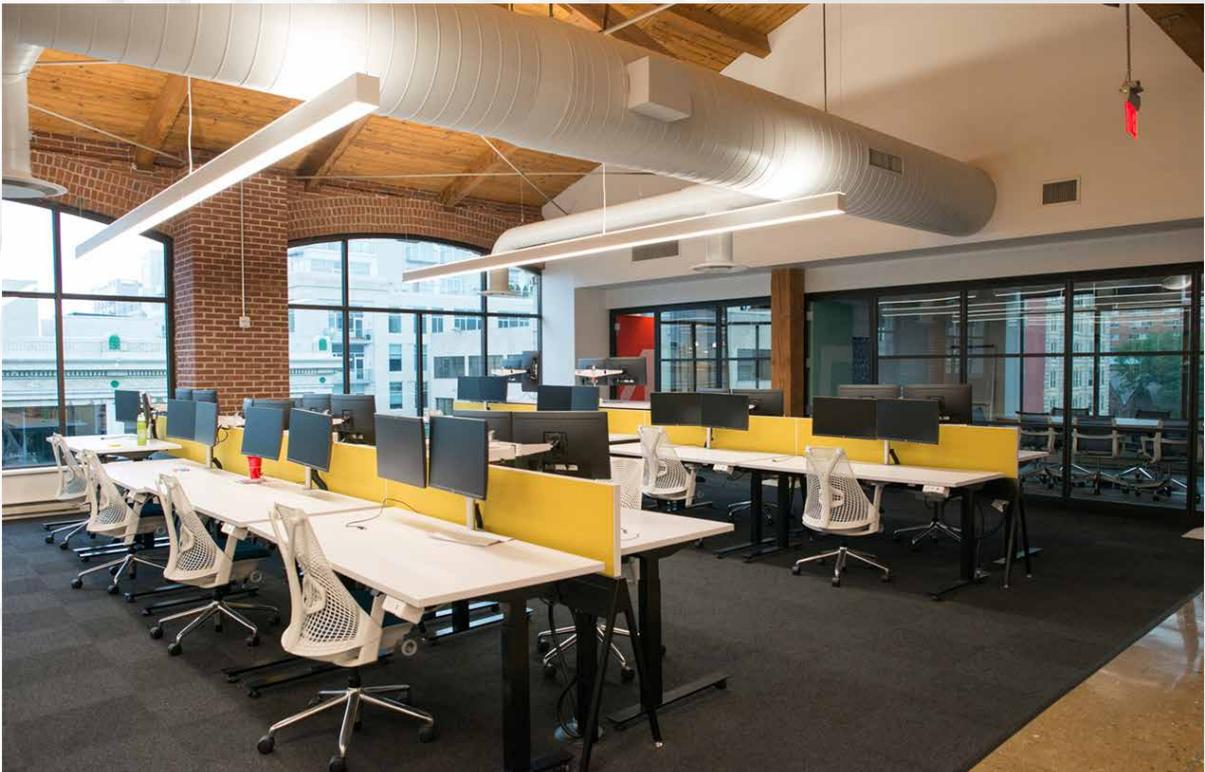
First generation smart workplaces were designed to primarily achieve cost reductions, and in that they have been quite successful. This smart infrastructure now represents a foundation on which more transformative solutions can be deployed.

Beyond Building Efficiency

Once operating savings are achieved, we can focus on the everyday experience of office work for employees, facilities executives, and real estate managers. This has led to the realization that there is more to smart buildings than just buildings. A higher-order of intelligence is in improving the experience of the people and the performance of the processes in the building.

Any opportunity to improve the human experience of work while increasing occupant and real estate productivity, creates orders of magnitude more value than improving operational efficiency.

The Enlighted IoT platform goes beyond building efficiency and delivers the next-generation intelligent office.



The Enlighted Smart Office



Enlighted uses the power of sensors and cloud-based applications to deliver an unparalleled employee experience while improving real estate utilization.

The Enlighted Smart Office is an office that is transformed into a space that acts as an assistant to the building occupants, facility managers and workplace experience planners. At its core is intelligence built upon data about what is happening in the building, in real-time.

Space Analytics

Enlighted's lighting-based, award-winning IoT sensors digitize the office by gathering a rich and continuous stream of data from every inch of space. This data creates powerful insights and analytics including space utilization analytics for real estate optimization.

Activity-Based Working

The Enlighted IoT platform makes activity-based working practical by helping employees quickly find and reserve an unoccupied collaborative workspace, and delivers analytics for facilities planners to understand the utilization of these spaces.

Intelligent Conference Rooms

Conference room booking systems are provided the intelligence to release a reserved room when no one shows up to the meeting or when a meeting finishes early.

Location Services

Locate co-workers and office assets using real-time location services in the building. Receive alerts for unauthorized access to sensitive areas, and preserve a record of visitor movements throughout the building.

Wayfinding

Third-party wayfinding applications take advantage of Enlighted's Bluetooth capabilities to provide indoor navigation within buildings and campuses.

How the Enlighted IoT Platform Works

The World's Most Advanced Sensor

Enlighted sensors may be installed in – and powered by – each lighting fixture in a building. USB-powered Surface Sensors may be installed independent of lighting fixtures, for example under desks or on ceilings such as in conference rooms. Each sensor possesses temperature, light, motion-sensing, and Bluetooth capabilities.

Asset Tags and Badges

The Enlighted IoT platform uses physical asset tags to locate equipment, and visitor or staff badges to locate people in real-time. These tags communicate to the sensors using Bluetooth LE.

Dense Sensor Grid

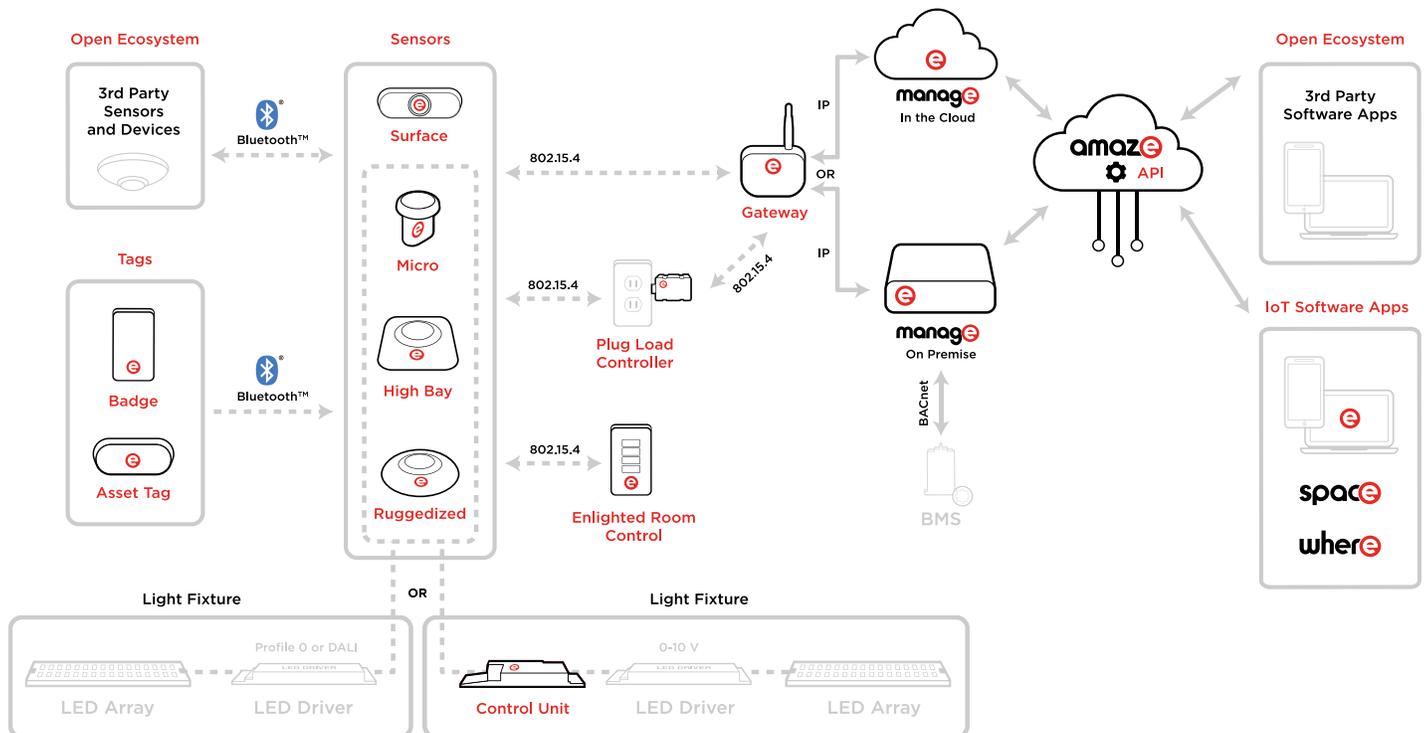
Enlighted deploys smart sensors in ceilings and under desks, creating a dense and regular grid of coverage, gathering data anywhere people go in the building.

Robust and Scalable Wireless Network

The Enlighted IoT platform's robust wireless network has proven to scale to even the largest buildings in the world, including one over three million square feet.

Cloud-Based Data and Apps

Captured data is stored in a secure cloud database where it is accessed by advanced software applications to deliver detailed insights into office operations.



Credible Facts for Real Estate Planning

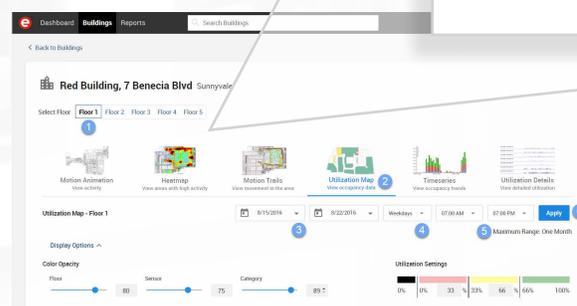
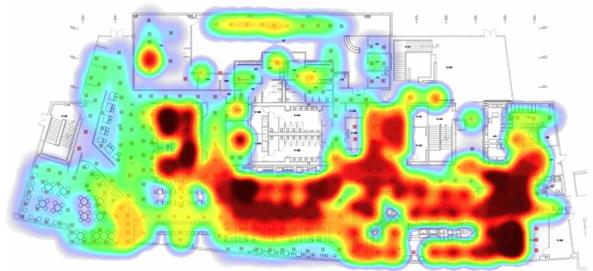
The Enlighted Space Application provides factual data to facility planners about what is happening in the building. This data is collected 24/7, 365 days a year and multiple times per second.

Space provides accurate, detailed occupancy views and extensive workspace utilization analytics for any selected time period within a building or across a portfolio.

These dashboard views include:

- Motion Animation allows the user to playback or step through motion on a floor at five-second time intervals
- The Heatmap provides a color map to show the relative amount of activity on a floor based on occupancy
- Motion trails show patterns of movement in the area
- Utilization maps shows when spaces are occupied on the floor and to what degree the spaces are being utilized
- Time series shows occupancy trends over time

The result enables facility planners to take data driven actions to increase space utilization, optimize office layout and conference room utilization, improve workspace flow and avoid unneeded capital expenditures.



The Enlighted Space application dashboard displays data using charts and graphs to identify trends on space usage, including a heatmap to show the amount of activity on a floor based on occupancy.

A Data Platform for the Smart Office



Enlighted's open platform provides the intelligence to make office applications smarter.

The Enlighted IoT platform passes real-time occupancy data to office applications like Comfy and Team®.

Intelligent Desk Reservations

Enlighted's Surface Sensors mounted under workspaces identify desks that are occupied or available in an open office environment. Using Enlighted's open APIs, this real-time occupancy information is supplied to employee facing applications for booking, and analytics inform workplace experience teams about usage and trends.



The Enlighted USB-powered Surface Sensor may be placed under desks or on ceilings in locations such as conference rooms.

Intelligent Conference Rooms

Even the best conference room booking systems are missing one key ingredient - the intelligence to know if the room is actually being used. The Enlighted IoT platform passes real-time occupancy to these platforms via an open API, so when rooms are reserved but no one shows up, the system releases the room and makes it available again. This capability eliminates "zombie meetings" thereby improving utilization and reducing contention of these typically limited resources.

Energy Efficient Office Lighting and HVAC Control

The Enlighted IoT platform's dense, ubiquitous sensor network also possesses advanced lighting control and HVAC optimization features for offices:

Advanced Lighting Control

- Improve overall light quality with LED and sensor light fixtures
- Increase lighting energy savings up to 90% and lighting maintenance costs up to 25%
- Task tuning, occupancy data and daylight harvesting increase savings
- ASHRAE 90.1 and Title 24 Compliant

Heating, Ventilation and Air Conditioning Control

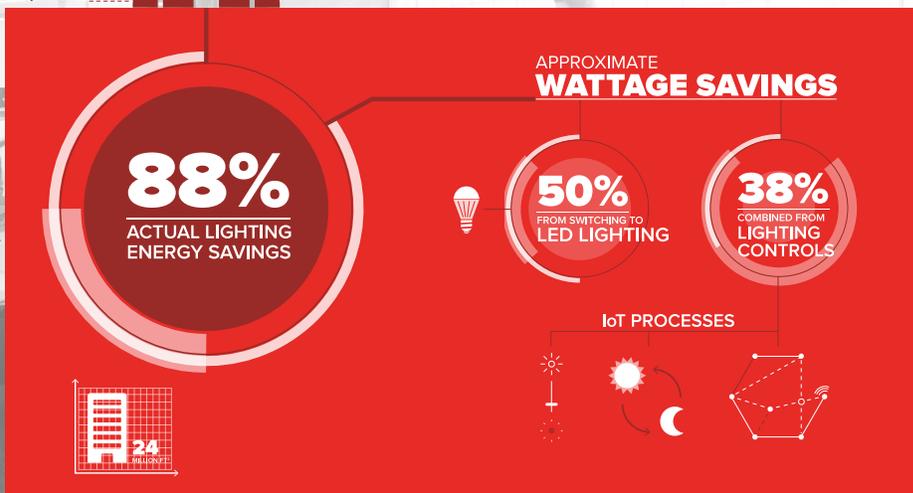
- Dynamically optimize heating, air conditioning and air flow
- Customize time schedules by building zones
- Rich reporting and monitoring via Building Management System
- Reduce HVAC energy use

Human-Centric Lighting

Health, productivity and circadian rhythms can all be improved and enhanced with better lighting. Smart controls provide a simple method for programming the intensity and color temperature output of white LED lighting, creating lighting scenes and experiences that are task-specific, and appropriate for different times of the day.



Energy Savings Pave the Way for Broad Application of IoT in Commercial Buildings



Total lighting energy savings from 328 U.S. Enlighted installations, across a range of space types and sizes.

About Enlighted

Enlighted's Building IoT Platform is installed in over 410 million square feet of buildings worldwide. It is wireless lighting control that pays for itself through the building energy savings it generates - and so much more. Smart sensors capture information about what is happening in the building in ways never before possible, creating a data platform that drive analytics and intelligent software applications. Applications from Enlighted and our partners improve operating efficiencies and occupant experiences, enhance productivity, and optimize resource and asset use.

Enlighted's strong partnerships with over 70 lighting fixture OEMs, driver manufacturers and growing software application ecosystems, enable customers to have an open choice of lighting and solution vendors. Founded in Silicon Valley in 2009, Enlighted was acquired in 2018 by Siemens Smart Infrastructure.



Experience It Live

The best way to experience the Enlighted system is to see it live in a working office. Visit enlightedinc.com/contact-sales to arrange a live demo.

Industry Awards

“Company of the Year”

—Frost & Sullivan

“Sapphire Award: Illumineer of the Year and Best SSL Smart Lighting Project”

—SSL Smart Lighting Project Awards

“North American New Product Innovation”

— Frost & Sullivan

“Product Innovation Award”

—Architectural Products Product Innovation Awards

“IoT Global Award”

—Smart IoT Awards

“North American Company of the Year”

—Cleantech Group's Global Cleantech 100

“Top Project of the Year Award”

—Environmental Leader Product & Project Awards

“Winner of Supplier Sustainability Award”

—AT&T

“Cool Vendor”

—Gartner's Smart City Applications and Solutions

“Product Innovation Award”

—Architectural Products Magazine

“BIG Innovation Award”

—Business Intelligence Group

If you'd like to partner with Enlighted, visit www.enlightedinc.com/partner

Rev09 08262021