

Environmental Controls



5M Sensors installed	Up to 90% Lighting energy savings	1000+ Customer installations	60 Countries and counting	2M Tons of total CO ₂ reduction
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Optimal workspaces for optimized work

As employees return to the workplace, facilities managers return to a familiar operational challenge: satisfying individual personal preferences for office temperature, while balancing energy use within their portfolio. Individually attending to multiple weekly hot/cold calls takes away focus from mission-critical tasks, while leaving these requests unaddressed can adversely affect office productivity, workplace morale, and even energy efficiency.

Switch on support

The Enlighted Touchless Workplace solution, provides instant and individualized temperature relief, and offers ongoing automated support for environmental control challenges. Easily integrated with existing building management systems, it creates an ideal balance between occupant comfort and energy efficiency, to save time, money – and endless service calls.

Personalized, localized control

Enlighted’s environmental controls solution, Touchless Workplace, lets users increase the heat or air conditioning in their own zoned area, in 10-minute bursts. Users can enjoy immediate temperature moderation without facilities manager intervention, creating the perfect environment for their own enhanced productivity without over-heating or cooling the larger space.

Automated, intelligent systems

Enlighted’s Workplace Intelligence Platform aggregates employee behavior data and applies machine learning to identify preference patterns. It proactively adjusts the building’s temperature setpoints to match those preferences, creating an aggregate environment. As it learns preference patterns, it “teaches” the building’s HVAC system to autonomously adjust temperature when required.

Optimized energy efficiency

Touchless Workplace allows temperature adjustments to be made within smaller zones in a larger space. This precision heating or cooling allows overall ambient temperatures to be set at a baseline that helps meet sustainability and cost savings goals.



Touchless Workplace is really great. It allows people to control, to say, ‘This is what I want. This is how I can be my most productive.’



CADI WITHERS

Sr. Manager of Global Operations, AppNexus

Enlighted creates savings

The Enlighted IoT Platform and Workspace Experience App create substantial energy savings that provide ample financial justification for sustainability investments.

- Further energy savings in buildings not operating at full capacity
- Save HVAC energy of up to 35% by reducing over-conditioning
- Enhance public sustainability position

Enhanced employee experience

Create a workplace that delights and accommodates occupants, to improve employee engagement, satisfaction, and retention.

- Save up to 10 hours of facilities work on hot/cold calls every week
- Allow employees to request 10 minutes of warm or cool air in their own HVAC zone
- Grant immediate comfort in lieu of submitting facilities tickets
- Eliminate 90% of hot and cold complaints

System-learned preferences

Step 1

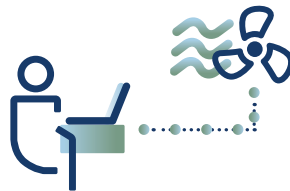
Enlighted connects to the existing Building Management System (BMS).



Enlighted is the first app to connect employees to the system that controls air flow in most commercial buildings.

Step 2

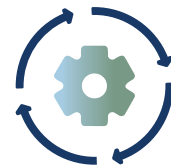
Employees log in and make a request to warm or cool their space.



Enlighted immediately sends a 10-minute stream of warm or cool air to the requested zone.

Step 3

Machine learning optimizes the workplace based on people's preferences.



Enlighted's patented algorithms recognize patterns and automatically tune temperature settings.

Optimize operational investments

Enlighted Data Services provides an instant and user-friendly picture of building performance, through data-powered insights and real-time updates. Facilities managers can enhance troubleshooting by identifying specific problem areas and addressing them before more costly repairs are required.

- Optimize building operations by identifying inefficiencies caused by mechanical faults
- Protect central plant equipment by isolating controls at local terminals
- Configure and define zones and parameters via the system console
- Change configurations without the need to access hardware components
- Automatic Demand Response (ADR) profiles allow for compliance with energy rate discount and/or rebate incentive programs

Easily integrate with BMS

Unlike other environmental control systems, the Enlighted Workplace Experience App and the Enlighted IoT Platform integrates easily with any existing Building Management System, even ones that have vendor-controlled platforms. Our technicians are experienced with integrating our system with existing lighting and HVAC controls, simplifying the process for IT and real estate teams.

Intelligent lighting control

The Enlighted IoT Platform's dense sensor grid unlocks further energy optimization and savings through advanced lighting controls.

- Configure and define zones and parameters via the system console
- Dynamically change configurations without the need to access hardware components. Automatically adjust lighting scenes based on the time of day
- Access astronomical clock to calculate lighting adjustments based on sunset/sunrise for the facility location
- Daylight harvesting ensures optimal lighting levels
- Task tuning ensures ideal lighting conditions
- Save up to 88% lighting energy

Score a win-win in the power struggle:

- Optimize energy usage across company floorspace
- Enhance employee productivity and comfort
- Eliminate physical distractions
- Reduce temperature complaints
- Increase value of corporate real estate
- Optimize operational resources
- Detect maintenance problems in advance of system failure

Case Study: Charter Hall



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Touchless Workplace is the first product I've seen that really taps into the individual user's experience of the space and opens up communication and control to better address their needs.

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CRAIG RODGERS

Charter Hall, Office Innovation Lead

Empowered and productive workplaces

As employees return from their uniquely customized home offices to corporate campuses, they bring new expectations around their workplace environment. Enlighted's solutions let employees enjoy the same kind of personalized control as they've come to expect, while reducing facilities managers' need to respond to individualized requests. With personalized, mobile temperature, lighting, and even shading control, companies can create a comfortable, safe working environment that delights and rewards employees, while meeting corporate energy savings and environmental goals.



Building Robotics, Inc.,
a **Siemens Company**

Turn Everyday Spaces into Extraordinary Places

Wherever space, people and work meet, Enlighted empowers organizations with the technology to transform real estate spaces into regenerative places that fuel positive impact for people, portfolio, and our planet.

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