Enlighted

Location Insights

Leverage asset and occupant movement data with a single API

5M	Up to **90%**	**1000+**	**60**	**2M**
Sensors installed	Lighting energy savings	Customer installations	Countries	Tons of total CO_2 reduction

Business need for location data

People, facilities, and equipment can be among the biggest areas of costs for companies. Most operations lack adequate systems for monitoring and tracking of people and assets but question the need for an additional application in an already overburdened operating environment. Nevertheless, ensuring an efficient flow of movement of people and assets is paramount to optimizing productivity, safety, and cost reduction.

Location data for business outcomes

What's needed is a way to easily streamline and integrate location data with other business systems, asset management and people workflows. By using data from the Enlighted Lighting solution, Enlighted tags and badges and a wireless grid connected to the cloud, companies can now integrate this information into applications in a multitude of ways via Enlighted's open API Location Insights.

Open API for ease of integration

Location Insights API enables software products and applications to consume location intelligence data and drive application logic. The open API can integrate with many common systems of different types, such as:

- IWMS
- CMMS
- Applications (*i.e.*, nurse calling systems, inventory management systems, facility ticketing systems, etc.)

Location Insights API creates endless, customizable possibilities.

High-value location information

Location Insights delivers location movement data in a single API. This raw data includes but is not limited to:

- Where an asset or badge is found at the time stamp(s) indicated
- If an "alert" button was pressed on the badge or tag within 15 seconds
- If the tag has been tampered with by removing it from the assigned asset

Rapid enablement and results

Since Location Insights is an extension of the Enlighted Lighting Solution, once all lighting sensors are in place and activated, implementation of the API can begin with the following simple steps:

- Badge and tag selection and association

- Zone assignment

- API integration testing and verification

Once configured, tested, and verified, the system can begin transferring location information through the API at rates of under 10 seconds 80 percent of the time and under 15 seconds 95 percent of the time.

Data records are time-stamped and provided in zone level locations. The Location Insights meta data can be used for equipment localization, enhanced safety alerts and maintenance tracking in the raw form. However, when the data is integrated into systems or applications, comprehensive learnings about the assets can be realized. These learnings can lead to streamlined systems, reduced maintenance costs, informed predictive employee behavior, and many more benefits.

Companies can begin with a phased approach, enabling portions of their environment for single applications and expanding to upgrade when new applications and use cases dictate.

A fully secured environment

Following Siemens strict security protocols, the Location Insights API is delivered via a cloud-based IoT infrastructure designed with the enterprise in mind.

Standards-based communications protocols

Industry-standard communication protocols provide robust and mature capabilities. REST-based APIs support GET, POST requests, and XML, JSON responses.

Data security

AES 128-bit encryption for wireless data transmission and TLS encryption for TCP/IP, along with the use of a 2048-bit certificate and SHA-256 Cipher, enable the highest standards of corporate data security requirements.

Data privacy

Enlighted aligns to your high standards when it comes to data privacy, security and regulatory compliance, understanding that your building spaces are an extension of your brand. To protect you, our systems and solutions leverage best practices and protocols for cybersecurity and privacy.

Enlighted delivers seamless, intuitive user-friendly applications, and enables autonomous smart buildings with the lowest reputation risk and security risk.

Enlighted

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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