

Enlighted Champions Sustainability and the IoT on Wall Street



Beyond Energy Optimization: Future-Proofing with the IoT

The Enlighted System uses advanced lighting sensors to optimize energy utilization within the space.

This is achieved primarily through task tuning, which allows personnel to adjust lighting to match the individual task at hand; ambient savings, which are achieved through the application of daylight sensors that adjust artificial lighting based on natural light levels; and occupancy savings, which are obtained through sensors that turn off lights when there is no motion in the area.

In addition to energy savings, Enlighted sensors are capable of providing rich, granular data that can improve the building environment overall.

And lighting is just the beginning. As technology continues to progress, the sensors are capable of expanding capabilities with new web-based applications without having to switch out hardware.

Known for its sustainability initiatives, Deutsche Bank cites the importance of greater resource efficiency and takes steps to establish itself as a climate ambassador. When selecting a lighting system for its U.S. headquarters on Wall Street, the bank knew it needed an advanced system to meet its goals and help lead sustainability initiatives in one of the country's most prestigious developments.

Deutsche Bank engaged leading real estate services provider JLL to explore a lighting and controls system that meet its current energy efficiency and sustainability goals, and that could advance with its building just as quickly as technology advances.

The company turned to Enlighted, provider of the world's most advanced digital sensor and analytics platform for smarter buildings across the globe. The Enlighted System – comprised of multi-functional sensors capable of achieving energy savings and reporting robust data – was installed throughout 33 floors of the building with more than 4,800 sensors.

Enlighted sensors have helped achieve significant energy savings since the installation, which was completed in June 2014. But the benefits are more than monetary, with the project helping to establish Deutsche Bank as a pioneer in sustainability on Wall Street.

The technology is paving the way for future-proofed buildings, with capabilities soon expanding to HVAC and space utilization monitoring with new Enlighted Aire and Enlighted Space IoT applications.

Deutsche Bank plans to continue exploring and implementing the technology as it becomes available and hopes others will follow suit. To date, Deutsche Bank has installed more than 6,300 sensors in five of its locations.



For more information, visit www.enlightedinc.com or email: sales@enlightedinc.com

The Enlighted System



The Enlighted system is comprised of four components: Enlighted Smart Sensors, Enlighted Room Control, Enlighted Gateway and Enlighted Energy Manager. This system automates, analyzes, controls and reports environmental data to drive building automation and efficiency. Key capabilities of the Enlighted System include:

- Granular lighting control automation: Allows individual occupants to establish their own lighting preference
- Daylight harvesting: Sensors adjust light levels as natural light changes the need for overhead light based on weather and time of day
- Motion Sensing: During work hours when spaces are unoccupied, lamps in fixtures equipped with the advanced sensors idle from zero to 10 percent luminosity until “human-specific” motion is detected
- Digital PIR Sensing: Sensors are designed to ignore other heat producing items, such as Fax, printers and computers or changes in the environment produced by HVAC systems
- Energy Analytics Dashboard: Real-time information showing fixture level usage and savings metrics