interact Office

A smarter office with Interact Office software

At The Edge, a state-of-the-art connected lighting system enables Interact Office application software to create a more comfortable, productive, and sustainable working environment.

Customer challenge

The Edge is an innovative, 40,000 m^2, multi-tenant office building in the Zuidas business district in Amsterdam. The main design goal was to create an intuitive, comfortable, and productive environment for employees that could serve as inspiration for sustainable building designs around the world.

Solution

The connected lighting system at The Edge uses cutting-edge IoT technologies to enable data collection and insight via customized Interact Office software applications, enhancing the flexibility of the open-plan office.

The system allows employees to personalize the lighting and temperature at their workspaces using an Interact Office smartphone app, and provides building managers with real-time data on operations and activities via Interact Office dashboards. This data allows facility managers to maximize operational efficiency as well as reduce the building's CO_2 footprint.

"We want to raise the bar on data analysis and delivering new insight into the use of the office space. It shows how we can reduce CO_2 emissions and create a more sustainable world."

Eric Ubels, CIO Deloitte

www.interact-lighting.com/office

Interact — Making it happen

The system uses nearly 6,500 connected LED luminaires to create a "digital ceiling" in the building's 15 stories. With integrated IoT sensors in 3,000 of these luminaires that work with Interact Office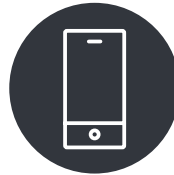 lighting management software, the system captures, stores, shares, and distributes information throughout the illuminated space. Facility managers use the Interact Office software to visualize and analyze this data, track energy consumption, and streamline maintenance operations.

Energy savings

LED lighting is known for its low power consumption, so energy savings were built in from day one. When The Edge first opened, Deloitte predicted overall savings per year of €100,000 in energy costs and €1.5 million in space utilization cost savings.

Employee control

The Personal Control App (PCA) is a mobile app available for iOS and Android. It uses visible light communications to offer personal control of lighting scenes and room temperature at individual workspaces. The PCA supports personalization even in open-plan offices, putting employees in control of their working environment.

Space management

After 20 months of operations, main tentant Deloitte added over 1,000 employees while lowering annual cost per employee by over €1,800. Based on actual occupancy data over time, Deloitte was able to reduce the amount of space per employee from 12.6 to 7.6 square meters while improving employee comfort and satisfaction.

Highest accolade

First opened in 2015 in Amsterdam, the Netherlands, The Edge received an outstanding score of 98.36%— the highest ever awarded— from BREEAM, the world's leading design and assessment method for sustainable buildings.

Project details

- 6,500 connected LED luminaires over 15 floors
- 3,000 luminaires integrated IoT sensors
- 750 PoE switches for connectivity and power
- Custom-designed smartphone app for personal lighting control

Find out how Interact can transform your business
www.interact-lighting.com/office

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