

A wide-angle photograph of a modern office interior. The space is characterized by high ceilings with exposed ductwork and a series of recessed, rectangular light fixtures. The walls are a mix of light-colored panels and dark, vertical structural elements. In the background, a person is visible, and the overall atmosphere is one of a sophisticated, tech-forward workspace.

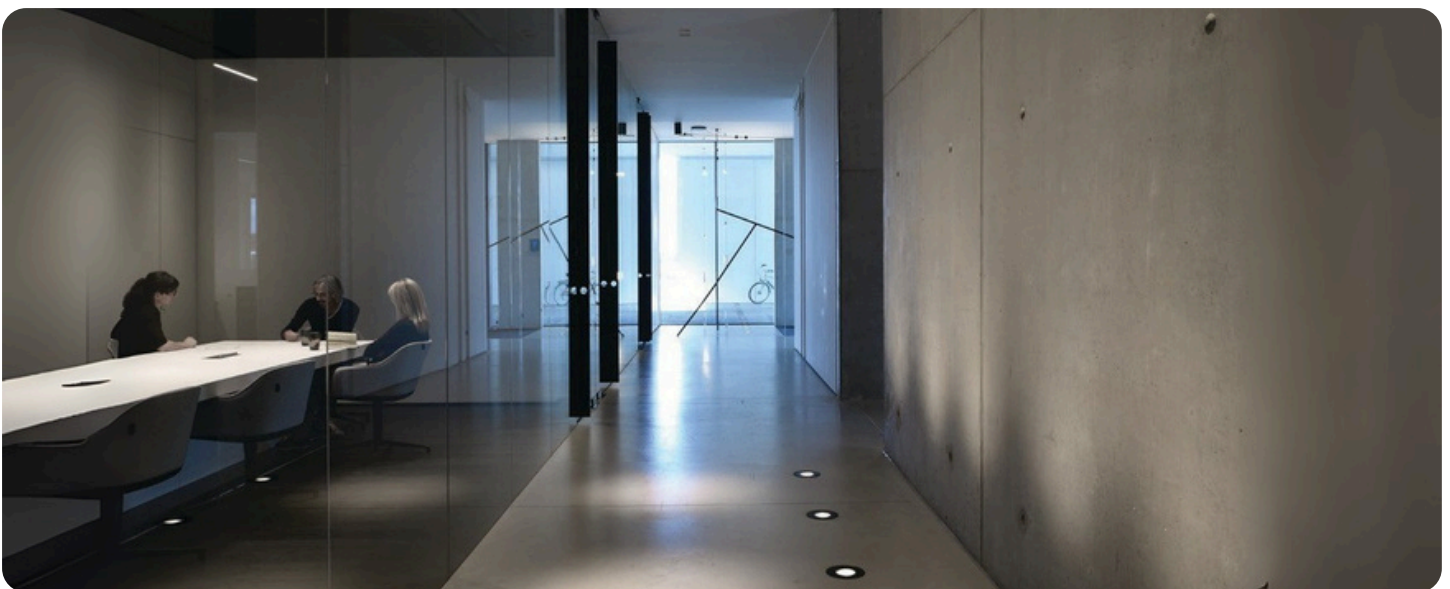
CASE STUDY

XICATO AND LEGRAND SMART CONTROLS COLLABORATION AT KREON'S NEW TECH-FORWARD HEADQUARTERS

BACKGROUND

Xicato's award-winning Bluetooth mesh solutions bring personalization to the office

Xicato, Legrand and Kreon combined their expertise to design a highly flexible, energy efficient smart building with the ability to create personalized spaces for their employees. Freed from traditional rigid wired and centralized controls systems, the Xicato Bluetooth Mesh controls system including Xicato's intelligent drivers afforded the flexibility needed for Legrand's Vantage system to create an environment for employees that delivered customized spaces with the utmost ease of use. Located in Belgium and exhibiting the finest in light fixtures, Kreon's headquarters and showroom elicit the ultimate in design and personal comfort.



“We knew what we wanted but couldn’t have gotten there without the open nature of Xicato’s API. Now we have a combination of products that work best for Kreon, all working together wirelessly, yet another compliment to the beautiful design.”

BART STUYVEN, VP DEVELOPMENT AND SCIENCE, LEGRAND

THE CHALLENGE

Kreon saw light control as a key requirement for their new headquarters and showroom. The system had to offer employees the ability to personalize their environments while also providing flexibility and reliability. The showroom needed to quickly adapt to new configurations. These customization and adaptability requirements made it essential to find a solution that could meet both current and future needs.

THE SOLUTION

Kreon and Legrand’s Vantage team, having collaborated before, partnered again to deliver a technical solution that met the project specifications. Leveraging Xicato’s gateway (XIG) with open API and Bluetooth mesh wireless controls, Legrand developed a software driver to pass commands to Xicato’s XIM smart light modules and smart drivers (XID). This allowed light management through Legrand Equinox touch-screen displays within each office.

The Xicato gateway communicates commands to Xicato XIMs and XIDs wirelessly via Bluetooth mesh, enabling control of various light sources from both Xicato and third-party vendors. Thanks to Xicato’s Bluetooth mesh scalability, there is virtually no limit to reconfiguration or expansion. With integrated sensors, schedules, and personal settings, employees can adjust light levels, music, temperature, and shades to their preference, while the showroom can be reconfigured with ease to display new products and create custom scenes—all managed through a familiar, reliable user interface.

Xicato’s Controls Provides Ease of Integration

As the smart building industry has evolved so has the concept of the smart office space. The primary benefits are that it gives employers a competitive advantage by increasing productivity and satisfaction of employees while offering smarter energy management capabilities. A barrier to the smart office space is often the complexity involved due to the integration requirements between many building systems. The Kreon project did not have this issue. Despite the sophisticated light and controls environment requested by Kreon, the project took just over two days to complete due to the flexibility and ease of integration between Legrand Vantage and Xicato’s Bluetooth mesh system, along with other third-party building systems. Overall, the collaboration between the three organizations resulted in a personalized, healthy, reconfigurable building environment with a pleasing aesthetic design that Kreon employees enjoy every day while providing energy savings for years to come.



Installation	Kreon Headquarters & Showroom in Belgium
Xicato Product Used	Xicato XIM Smart light modules, XID Smart LED drivers, XIG BLE mesh Gateway
Application	Smart Buildings, Smart Offices, Smart Homes
Controls & Lighting Design	Legrand/Vantage & Kreon
Luminaire Type	Spot, down and track lights
Lighting	Xicato XIM and 3rd party