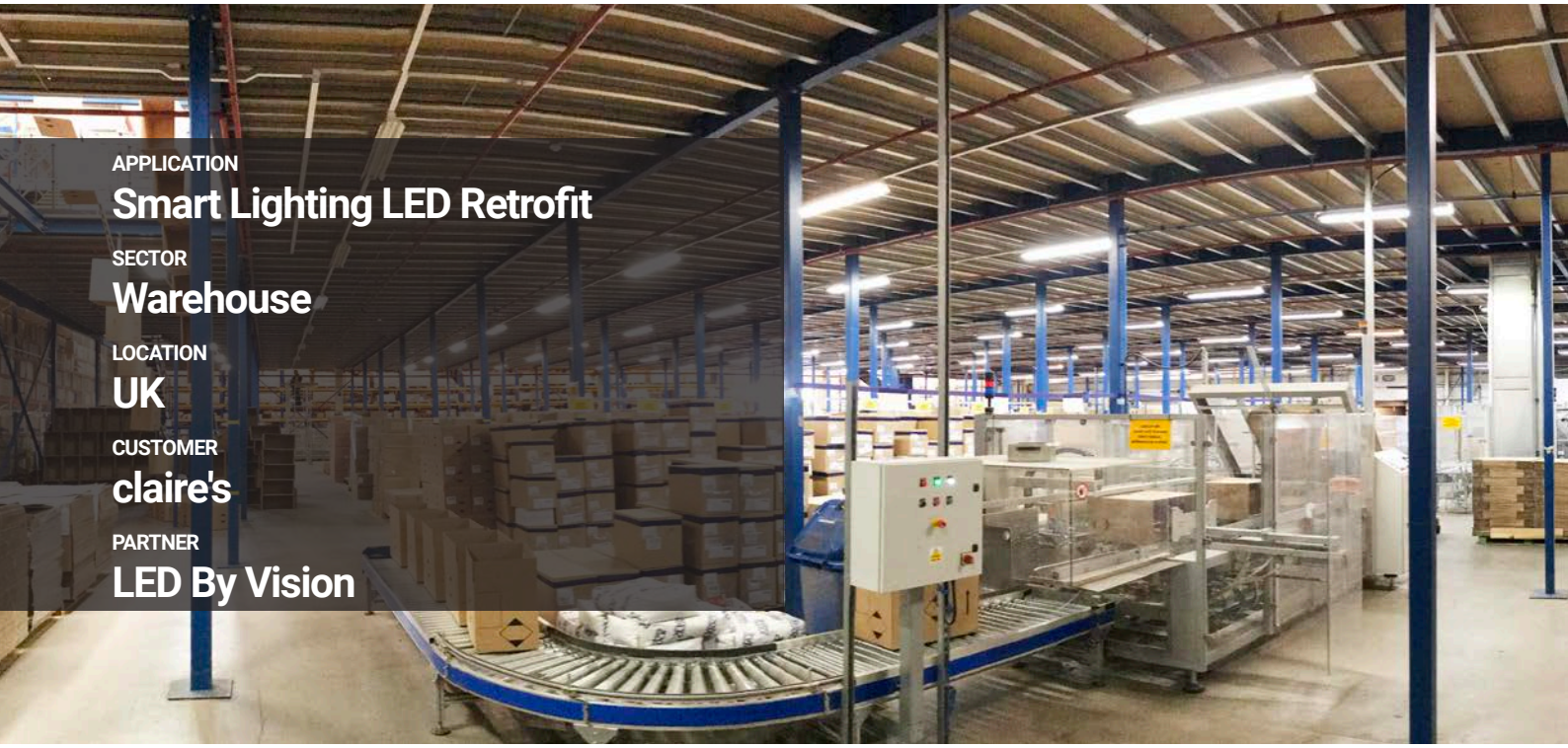
enModus

LED BY VISION DANLERS Controls for Lighting & HVAC claire's



APPLICATION
Smart Lighting LED Retrofit

SECTOR
Warehouse

LOCATION
UK

CUSTOMER
claire's

PARTNER
LED By Vision

"I would not hesitate to work with LED By Vision and enModus again; their accommodating nature and professionalism made this very easy for claire's."

Martin Brown, EU Supply Chain Director

Background

claire's® is one of the world's leading speciality retailers of fashionable jewellery and accessories for young women, teens and kids. They operate in 47 countries offering a broad and dynamic selection of unique merchandise.

Customer Challenge

Martin Brown, EU Supply Chain Director, was keen for claire's to explore opportunities to reduce the costs and improve the carbon impact of his supply chain operations.

He laid down the challenge of improving lighting control, improving the management of emergency light testing and reducing wasted energy usage.

Additional challenges included gaining a better understanding of how the facility was being used; gathering insights into occupancy and activity patterns.

Martin wanted to explore the use of smart technology to gather data that empowers the decision making of the facility managers of claire's logisitics centres.

The collected data, such as accurate energy usage and occupancy information, would also be used in site management reports and financial budgeting.

And critically, it was important that the installation of smart technologies did not disrupt a busy workforce where efficiency is key.

Solution

To meet the claire's challenge, enModus and LED By Vision deployed a Smart Connected Lighting solution that uses the existing mains powerlines for connectivity and control.

The existing 4x80W T5 high bay luminaires were replaced with 40W 4ft Tri-Light fittings from LED By Vision. In addition, claire's opted for 6W non-maintained bulkhead emergency lights that can be tested remotely via the enModus Cloud Platform.

DANLERS occupancy and ambient light sensors were integrated into the solution too. These sensors inputs are used by the enModus Node for control of the DALI driver.

Nodes communicate across the existing power cables to an enModus Hub. The Hub connects to the enModus Cloud Platform for easy to use web access.

The Cloud Platform's user interface (UI) delivers intelligent lighting control including task-tuning, daylight dimming, and customisable lighting schedules / schemes.

The platform visualises second-by-second energy measurements in real-time for accurate validation of energy savings.

Occupancy reports provide management insights into how the building is being used. Such data helps with warehouse planning and space utilisation.

Results

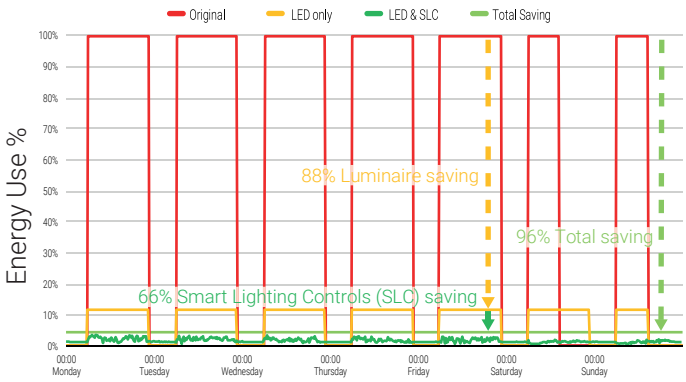
claire's has been able to rapidly reduce energy costs while significantly improving the lighting quality and comfort for its warehouse staff.

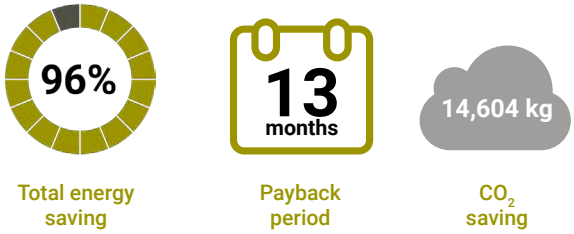
The LED lights and enModus Smart Connected Solution delivers 96% energy saving against the legacy lighting.

Crucially, the enModus solution was installed with zero disruption to warehouse operations because it uses the existing mains wiring.

The Smart Connected Lighting solution will pay for itself in less than 13 months. The initial phase of the project successfully exemplified GBP £107,000 (USD $150,000) potential energy savings over 5 years, when deployed throughout the whole facility.

Also, the enModus Cloud Platform delivers the claire's management team valuable building efficiency insights for use in reporting and budgeting.





Next steps

Request a meeting or email us today to find out how we can make your building smart.

We make any building smart
enmodus.com