

Corkey House, Belfast

Delivering intelligent lighting controls without additional wiring



Project Summary

Lamp Source Project Solutions partnered with the M&E Consultancy to provide an energy-efficient lighting and controls solution as part of the refurbishment of Corkey House, a residential care home in Belfast managed by Choice Housing.



The Project Challenge

The M&E Consultants required a lighting solution that would improve energy performance and introduce intelligent control across the communal areas of an existing care home.

As the project was a refurbishment, installing traditional control cabling throughout the building was not a practical option due to the disruption and additional installation complexity this would have created.

The brief required a solution that could deliver the functionality of a professional lighting control system while remaining suitable for an existing building environment.

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The Solution

Working with their UK lighting manufacturer partners, Lamp Source Project Solutions proposed a combination of high-performance luminaires and the HubSense wireless lighting control system from Inventronics.

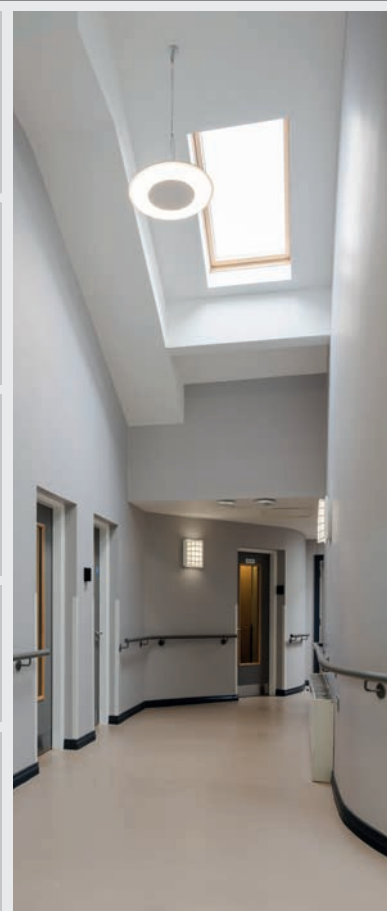
Using Bluetooth mesh technology, HubSense enabled a fully networked lighting control solution without the need for dedicated control wiring. This reduced installation complexity while still allowing the consultant and project team to achieve the control functionality expected from a modern lighting management system.



Focus Areas

Impact Delivered

Refurbishment suitability	Fully wireless controls removed the need for additional lighting control cabling, helping reduce disruption within the existing property.
Energy performance	Presence and absence detection, scheduled dimming and tailored control profiles helped reduce unnecessary lighting energy consumption.
Resident comfort	Corridor lighting can be preset to reduce lighting levels, helping create a calmer night-time environment while maintaining safe circulation lighting.
Operational flexibility	Wireless kinetic switches allow nursing and care staff to override programmed settings where required.
Future adaptability	Lighting groups, scenes and schedules can be adjusted without rewiring, making the system easier to adapt as building needs change.



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Sector: Residential Care / Supported Living

The refurbishment included a broad range of communal and operational areas throughout the care home.



KEY RESULTS

Approx. 350 energy-efficient light fittings installed throughout Corkey House

Up to 50% estimated average energy savings following the lighting upgrade

Improved Environment- Enhanced lighting quality and comfort for residents and staff

Smarter Control - Modern lighting controls helping to reduce unnecessary energy consumption

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Controls Strategy

The HubSense system allowed control strategies to be tailored to the needs of each space. Features included presence and absence detection, zone linking, scheduling, scene control and preset lighting levels. The system is programmed through an app and can be configured remotely, simplifying future adjustments and ongoing support.

A key part of the strategy was balancing energy efficiency with occupant wellbeing, while still supporting safe movement for staff and residents.



Our Involvement

At Lamp Source Project Solutions, we deliver more than just products, we provide a complete end-to-end service designed to make every lighting project seamless, compliant and future-ready. Backed by experience, our team offers expert support at every stage of the process, from initial consultation, lighting design to aftercare and maintenance support.

Following completion, the team attended site to explain the operation of the system and ensure the end user understood how to manage the controls.

Consultant Takeaway

For refurbishment projects in care, housing, public-sector and occupied buildings, this approach provides a practical route to intelligent lighting controls without the disruption of installing additional control wiring.

Speak to our team about any upcoming projects.

Testimonial

"The new lighting has made a real difference at Corkey House. The building feels brighter, more comfortable and welcoming for our residents, while providing staff with a better working environment. The improved lighting and controls also give us greater flexibility throughout the day and help us use energy more efficiently."

Lorraine Coggles, Home Manager, Corkey House

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