Ligo+ For Leisure and public building

Smart lighting controls in leisure buildings

From museums and attractions to leisure centres and municipal buildings, intelligent control of lighting is crucial in meeting the changing needs of the environment whilst enhancing user experience.

With considerations ranging from protecting precious artwork to recreating natural habitat, lighting must be precisely controlled and highly flexible to the varied needs of the building.

LiGO+ Intelligent Lighting Control

LiGO+ is based on the manufacturer-independent DALI standard that ensures interchangeability and interoperability of lighting system components. This makes it possible to create flexible, cost-effective and decentralised lighting systems.

Our control solution enables both full functionality and impressive energy savings through a solution that is simple and cost-efficient.

The LiGO+ is suitable for all types of building and can work as a stand alone solution or alongside other building systems to ensure maximum energy savings and minimal maintenance requirements.

The simple to use LiGO+ web pages allow you to set up the system, create reports and adjust settings. It gives you access to a range of features including:

- Time Control
- Presence Detection
- Emergency Lighting and Reporting
- Daylight Balancing
- Scene Setting
- Dimming
- Circadian Rhythm Lighting
- LED Control
- Condition Monitoring

Out of the box the LiGO+ comes with a range of embedded tools and a suite of preprogrammed smart lighting algorithms. This enables users to quickly and easily group luminaires, set up scenes and control LED's to derive best performance.

LiGO+ key features and benefits

- Cost-effective intelligent ligthing control system
- Achieve impressive cost and energy savings
- Improved environment for building users
- Simple webpage set up and administration
- Easy to use features
- Stand alone or integrate with a Building Management System
- Preprogrammed with a suite of smart lighting algorithms
- Uses the manufactuer independant DALI Standard
- No ongoing license fees

Commissioning and Support

Open Technology pride ourselves on providing a flexible, cost effective and easy to use lighting control solution, but thats only part of our offering. Our experiences team of Sales and Commissioning Engineers provide full support from concept, installation and set-up, right through to handover to the end user.

Our technical knowhow and experience across many buidling types and sectors means we are well placed to offer you a lighitng control solution fit for your building and its requirements.

National Gallery

The National Gallery prioritises the responsible use of energy in running its site and has committed to reduce carbon emissions by 43% by 2015. Open Technology designed and executed a project to combine highly efficient LED technology with an intelligent, digital control system to achieve 85% energy savings whilst maintaining a precise and consistent lighting environment.

The gallery wanted to make good use of the daylight provided through skylights that are controlled via external louvers and indirect sensors connected to the Building Management System (BMS). Our control system is able to slowly augment the natural light by adjusting the light output from the LEDs. The project is one of the first in the world to use LEDs in conjunction with a system that automatically adjusts external roof light blinds according to the amount and angle of sunlight.

Our LiGO control system was integrated with the gallery's existing BMS in order to save costs and extend the life of their existing infrastructure. Groups of lights were set up under the scrutiny of the curatorship working alongside our engineer. These were then integrated into the BMS so that lamp and ballasts failure can be reported to the gallery's facilities management provider. In between each pair of galleries, a LiGO View Panel allows gallery staff to easily adjust the lighting environment in each gallery.

The project met the National Gallery's key objectives of reducing energy consumption and maintenance costs, whilst achieving a superior quality of light. Open Technology delivered impressive energy and cost savings with minimal disruption to operations, and were able to move the gallery considerably closer to achieving its ambitious carbon reduction plans.

Annual Savings

765,000 kWh
Energy Consumption

£36,000
Maintenance

£53,600
Energy Bills

417 tonnes
CO_2 Emissions

Inspire Luton Sports Village

This brand new £26 million sports and leisure complex offers state-of-the-art facilities for the local community, including an 8 lane swimming pool and diving facility, a large multi-purpose sports hall and a 100 station gym. LiGO has been instrumental in supporting the centre's business objectives of generating revenue, providing first-class facilities and ensuring that the complex is sustainable by controlling lighting to deliver impressive energy savings.

LiGO+ is increasingly being used in sports and leisure complexes to create highly efficient, responsive and enjoyable environments.

Open Technology has delivered similar projects at Worthing Leisure's 'Splashpoint', Brentford Fountains Leisure Centre and Northolt Leisure Centre and Swimming Pool.

For more information about the LiGO+ intelligent lighting control system please visit www.opentechnologyuk.com.

Alternatively to speak with one of our team in more detail or to arrange a demonstration of our products and solutions, please contact us on 01444 230 660 and we will be happy to discuss your requirements.

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