



Smart lighting controls in Transport Infrastructure

The transport sector encompasses a wide range of building types from train stations and service depots to car parks, with each having its own specific set of requirements dependent on use. In each of these types of buildings the lighting control must provide a suitable environment which both ensures the comfort and safety of the building users, employees and visitors.

LiGO+ Intelligent Lighting Control

With extensive knowledge of lighting the transport sector. Since 2008, LiGO lighting control has been installed in some of the UK's biggest Transport facilities including Railway stations, Railway Service Depots, Multi-storey Car Parks and Bus Interchanges.

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
- Sunrise/Sunset Control
- 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 benefits for the Transport sector

- Daylight - The LiGO+ can be set up to utilise lux level sensors to control the output of the light fittings to suit a Lux Setpoint. Each group can be set up to have a specific set point, taking lux levels from the lux sensors, the LiGO+ will dim or increase the light fittings to keep that specific lux level
- Time-zone Control - LiGO+ has a built in time-zone capability. From this time-zone, a user can easily set up a time schedule to automatically change the control of certain groups of lights
- Graphical Interface - The LiGO+ web interface clearly displays live information from the lighting installation. This is critical for the transport industry as the system can be monitored and maintained remotely. This can also allow multiple train stations to be viewable from one head end computer, this saves costs of sending people to site for routine maintenance checks.
- Emergency Reporting - LiGO+ has a built in automatic emergency test report schedule. This allows the user to schedule an automatic emergency test, whether this be a short function test or a longer duration test. Once the LiGO has finished the test, it will automatically create a report on the status of the emergency fittings. This report can either be printed, saved to PDF or emailed directly to a designated email address.
- Sunset/Sunrise Control - Sunrise/Sunset calculations with the LiGO+ enable light sensors to be offset by the sun azimuth.

Some of our Transport sector projects include

- London Bridge Railway Station
- Waterloo Railway Station
- Clapham Junction
- Nottingham Station
- Entire Wessex Line
- Fratton, Wimbledon and Salisbury depots
- Car Parks – Connected to the Wessex web portal which allows ease of monitoring/maintenance.
- And many more others.

Commissioning and Support

Synapsys 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 lighting control solution fit for your building and its requirements.

For more information about the LiGO+ intelligent lighting control system please visit www.synapsys-solutions.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 246 128** and we will be happy to discuss your requirements.