

More-Solutions

Lighting Control – Wembley Stadium



More Solutions delivered

- Secure
- Robust
- Flexible
- Monitored Systems
- With Easy Manual and Scheduled Control.

.....what Wembley required.

Who We Are.....

More Solutions has been established for over 8 years and specialises in development and installation of lighting control and power monitoring solutions. More Solutions is large enough to provide a wealth of experience yet small enough to be flexible - from single room presence and LUX control to systems for large commercial buildings and stadiums we have provided solutions. Through our wealth of experience and use of all lighting technologies including wired, wireless, C-Bus, D-Bus, DALI, MLS, individually or in a combination, we provide the best solution for the building without compromising the building needs to fit a single platform. More Solutions always provide the right solution for our customer, their building and its occupants.

Wembley

Networked solutions provide flexible options ensuring both:

- Local control &
- Stadium wide control

AND

- Covering every possible type of staged event at the venue, from corporate to sport and concert events.



Lighting Control – Stadiums General.....

More-Solutions

Lighting Control - Stadiums - General



Whilst many large industrial buildings also have a mix of scenarios with different areas, large stadiums have the added complication of the amount of power required to bring on all the lights for national and international competitions. Full power for the main flood lights has to be phased on and monitored to ensure that the capabilities of the incoming power feeds, the internal switch gear and cabling are not exceeded.

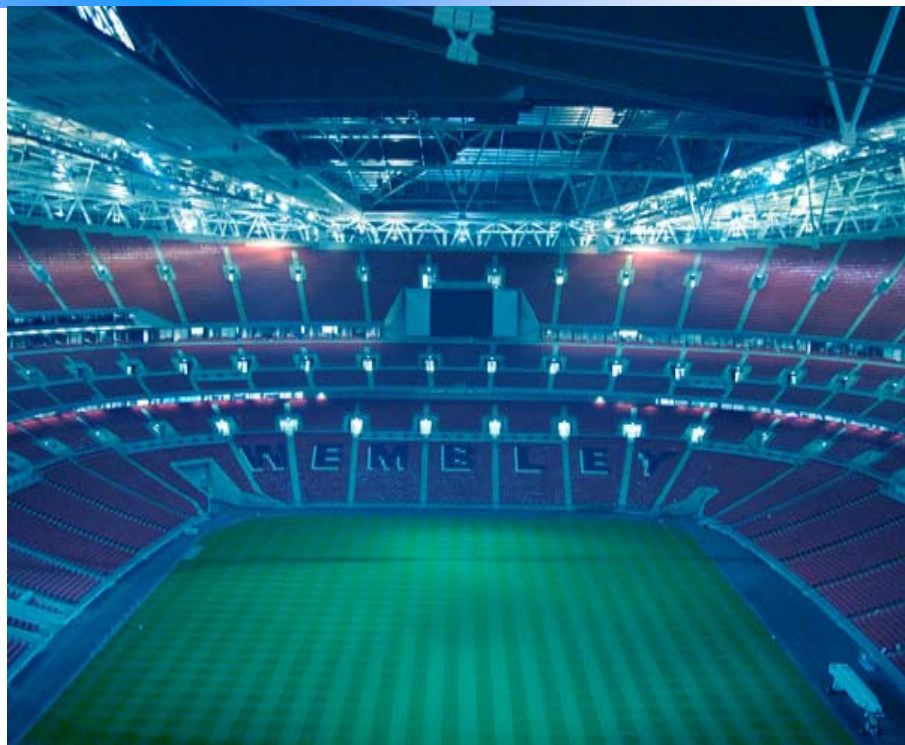
The lighting control systems installed are robust solutions, controlled locally via switches and touch screens and networked back to PCs which provide enhanced functionality such as building wide scene control and scheduling. More Solutions has supplied systems for various industrial buildings and many famous British sporting stadiums including Manchester City and Wembley National Stadium

Lighting Control - Wembley

More Solutions was responsible for the software for the Clipsal C-Bus lighting management system for Wembley Stadium.

The stadium has a networked lighting control system throughout controlling lighting across the whole stadium and its exterior, including the pitch, concourse and circulation/service areas, through to the iconic arch.

The system provides scheduled lighting control with integrated event lighting management taking the entire stadium through stages starting several hours before an event, during the event itself, to the safe departure of the thousands of fans after the event.



Traditional flood lighting is combined with 'hot strike' lamps capable of creating lighting effects during concert events.

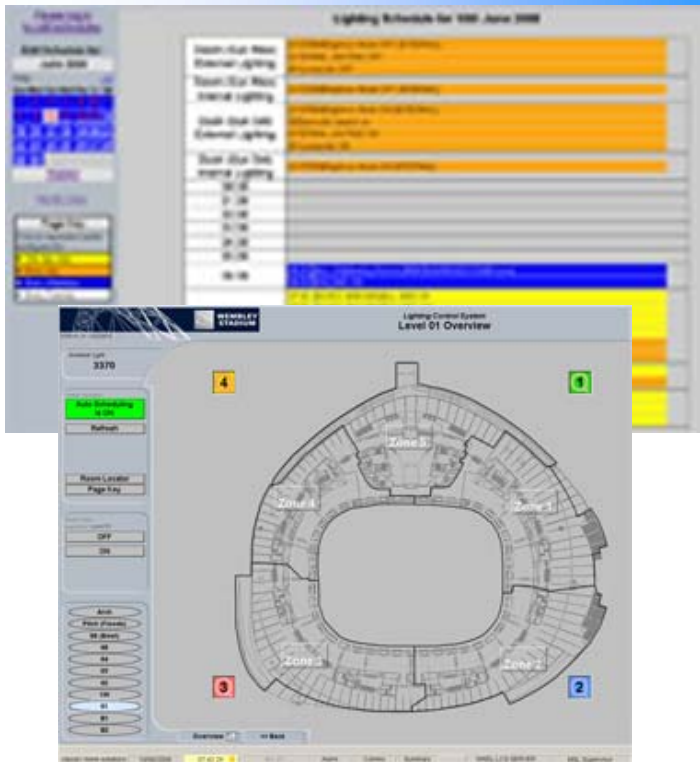
Large areas of the stadium can be controlled using a small number of simple controls, enabling fast and reliable control throughout the stadium.

The lighting system comprises a dual PC configuration with full redundancy in case of PC failure; linked to multiple hardwired networks comprising hundreds of relay units, dimmers and local switches controlling thousands of individual lamps.

Software Solution.....

More-Solutions

Lighting Control Software Benefits



More Solutions' software enables the user to have:

- Flexibility – manual or automatic control with full scheduling features.
- Security – the ability to control not only which users can access the system but also when, and to provide an audit trail.
- Complete Control – scenes can control whole areas (e.g. one level or quadrant of the stadium) or by function (all corridors or toilets areas).
- Energy Saving – switching lights off when not needed and managing intermediate levels of lighting using perhaps 50% of light fittings.
- Maintenance Saving – lights can be used in rotation giving all lights in a particular area equal use.
- Area Scene Setting – Zones within a room/area can be controlled individually to create the right atmosphere, however the room is utilised.

Expertise

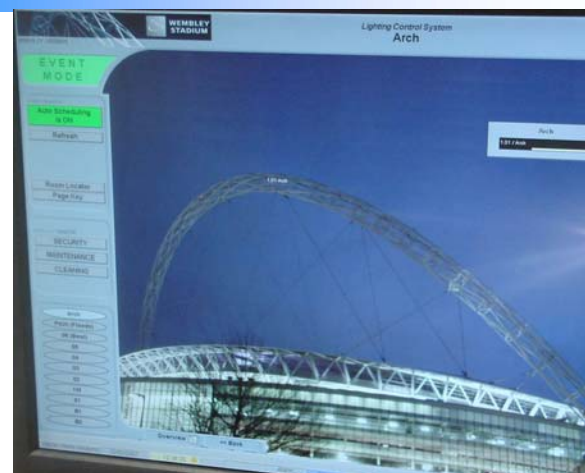
More Solutions has designed, produced and commissioned a number of Stadium lighting projects over the last 8 years. This has led them to establish a quick, economical and company bespoke method of installation.

After thorough site surveys, most of the work is then carried out in house with very little time required on site to install and commission the software. This enables other contractors to have less interruption and ensures timely completion of the projects. Specialised tools automatically generate test sheets and application code from client lighting schedules reducing the scope for human error, and assisting the electrical contractor to diagnose and correct cabling errors.

Other Systems

More Solutions and Schneider have worked successfully together on many prestigious lighting and power monitoring projects over the years including Wembley National Stadium where the Clipsal C-Bus system was used.

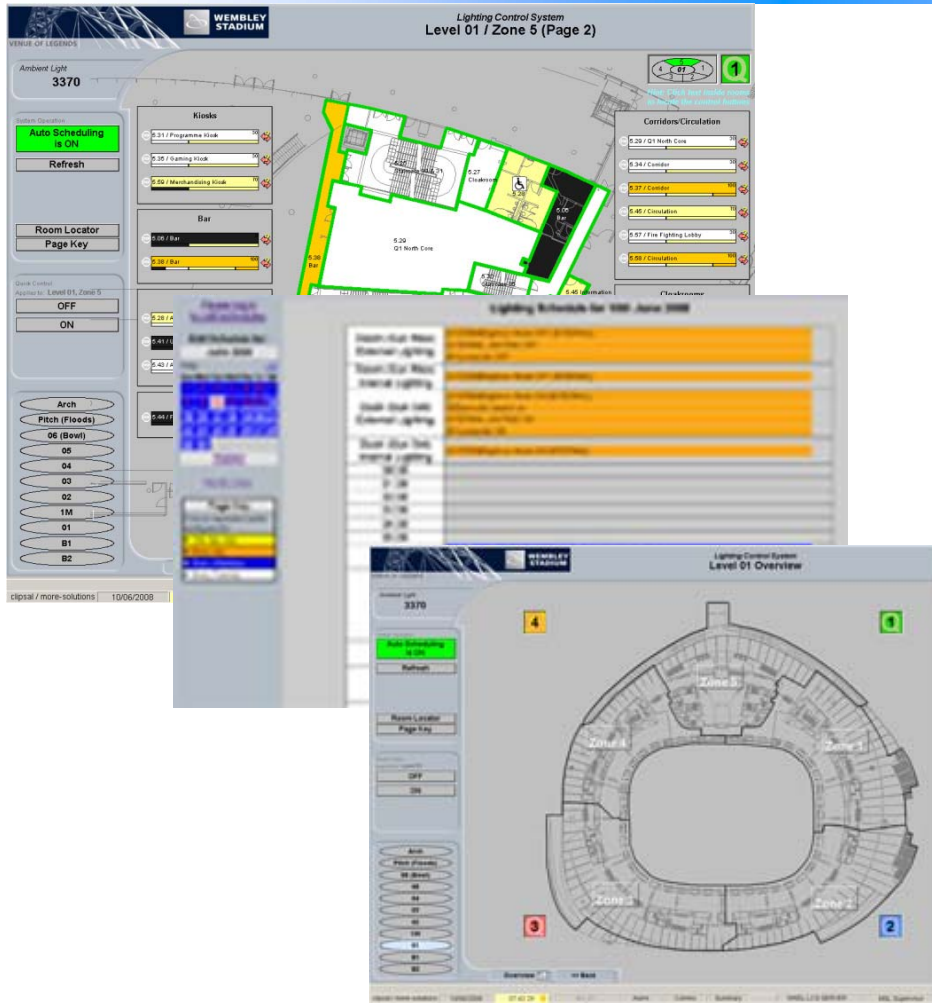
However, More Solutions have long standing relationships with other lighting control suppliers and are not constrained to one system. Relationships with the major ballast and controls suppliers such as Triodonic, Osram, Honeywell and Phillips enables More Solutions to be flexible and make use of their individual strengths when delivering customer specific solutions utilising DALI or DSI technology.



Lighting Control Software Features

More-Solutions

Lighting Control Software Features



More Solutions' software has the following features:

- Full PC Server Redundancy – in case of Server/PC failure.
- Multiple clients – multiple monitors off the main PC.
- Web based scheduling tool – lighting schedules, subject to access rights, to be configured from anywhere on site.
- Standard Windows based program allows automatic Windows updates and integration with other site IT systems.
- Standalone system can be completely isolated from other IT for security if required.
- Duplicated Control – Control can be provided from several locations e.g. security room, event control room or facility manager's room for added convenience.
- Easy to use graphical interface.
- Scene control – can provide specific lighting for different events.
- Local scene control in specific areas – e.g. local control of toilets out of event mode etc.
- Back up from a knowledgeable support team.

More Solutions

More Solutions are well known for their problem solving capabilities, exceptional diagnostic skills and their ability to write flexible, easily adaptable software. Their unique working method has won them considerable respect within the industry and has led to well known industry suppliers requesting More Solutions' help in successfully solving complicated problems on their behalf.

More Solutions can offer a cost effective, adaptable and flexible solution to suit your needs. Whether you contact us at the planning stage, during build or as a retrofit we will be pleased to help. Contact More Solutions on **0845 458 9555**, who will be happy to discuss your requirements.

More Solutions Ltd 0845 458 9555