

DESIGNMESH

FUTURE PROOF LIGHTING CONTROL



CONTENTS

Light that Changes Lives	03
Future Proof Lighting Control	04
DesignMesh	05
Sustainable Lighting Upgrades	06
Project Management	07



LIGHT THAT CHANGES LIVES

For over 60 years we have worked with customers and partners to create lighting solutions that change lives.

Our unique approach begins with what the light needs to achieve, carefully considering the environment, the needs of the end user and the safety of others.

Every solution we provide is robust, reliable, low maintenance and long-lasting, delivering value through 'business as usual' continuity.

Our mission is to guide our clients, innovating in environments and applications with demanding requirements, going beyond accepted boundaries to enhance and change lives through light.

From engineers and estate managers to train drivers, custodial officers, clinicians, lighting designers and the general public – we support the people who rely on safe, sustainable lighting every day.

We are your dedicated partner, creating people-focused spaces together.

Our luminaires are built to last in demanding environments, with robust metal bodies, impact resistant diffusers and corrosion-resistant finishes to ensure safety and reliability. Removable gear trays simplify maintenance and enable cost effective LED upgrades, while additional features such as ligature resistance ensure sector-specific compliance.

We don't just provide lighting – we partner with you to create solutions that change lives through light.



FUTURE PROOF LIGHTING CONTROL

Lighting controls create energy-efficient and dynamic spaces.

The quality of illumination can be improved, and electricity consumption reduced, by focusing light in the required place, at the right time and in the optimum quantity.

Our flexible lighting control solutions utilise open protocol standards, including DALI-2, to ensure you are not locked into one manufacturer's products.

We believe in low cost of ownership with minimal or no on-going costs. Our future proof lighting control systems, combined with sustainable LED technology upgrades help create safe, welcoming environments.

Functionality ranges from occupancy and daylight sensing to full analytics of a facility's operation including emergency testing and reporting.

Our lighting control systems can reduce your energy costs with the use of presence detectors, photocells and timed control.

Our luminaires can be supplied with a number of driver options including switched and DALI-2. When connected to a lighting control system like DesignMesh, areas can be programmed to provide the right amount of light when occupied, whilst reducing output to save energy when they are empty.

DesignMesh combines proven, reliable wired communication with the flexibility of wireless connections for areas where cabling is challenging.

DESIGNMESH

DesignMesh is a wired and wireless DALI-2 lighting control system with comprehensive system monitoring.

How DesignMesh Works

In a wired application, devices are connected using a DALI bus running between the luminaires and control devices.

Where wireless connectivity is incorporated, devices communicate with others in close proximity, effectively forming the DesignMesh network.

The network gateway can be configured to a building network or connected via a 4G router with SIM. The gateway transmits information to and from remote servers, enabling lighting control while providing access to energy data, device fault information and emergency test reports.

The dashboard can provide a floor plan view of the building, showing all system components and real-time reporting across devices, with the added benefit of a single home screen summary for all monitored sites.

Benefits

- Secure, scalable wired and wireless lighting control.
- Easily manage multiple sites from anywhere.
- Fewer site visit, saving time and money.
- Instant issue identification for faster problem solving.
- Integrates with other building systems via API.
- Reduces energy use, carbon footprint and costs.
- Mobile app for easy maintenance.

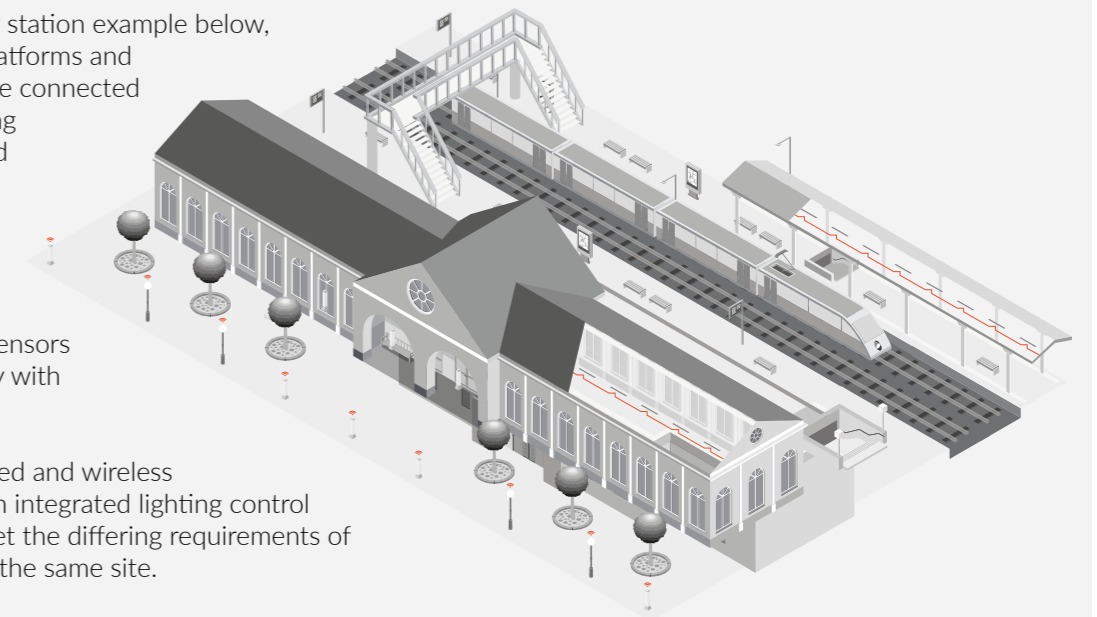


DesignMesh In Practice: Integrated Wired & Wireless Example

As shown in the railway station example below, luminaires across the platforms and within the concourse are connected using a DALI bus running between the fittings and control devices.

Outside, in the station forecourt, wireless DALI-2 control nodes enable luminaires and sensors to communicate directly with one another.

This combination of wired and wireless connectivity provides an integrated lighting control system designed to meet the differing requirements of each application within the same site.

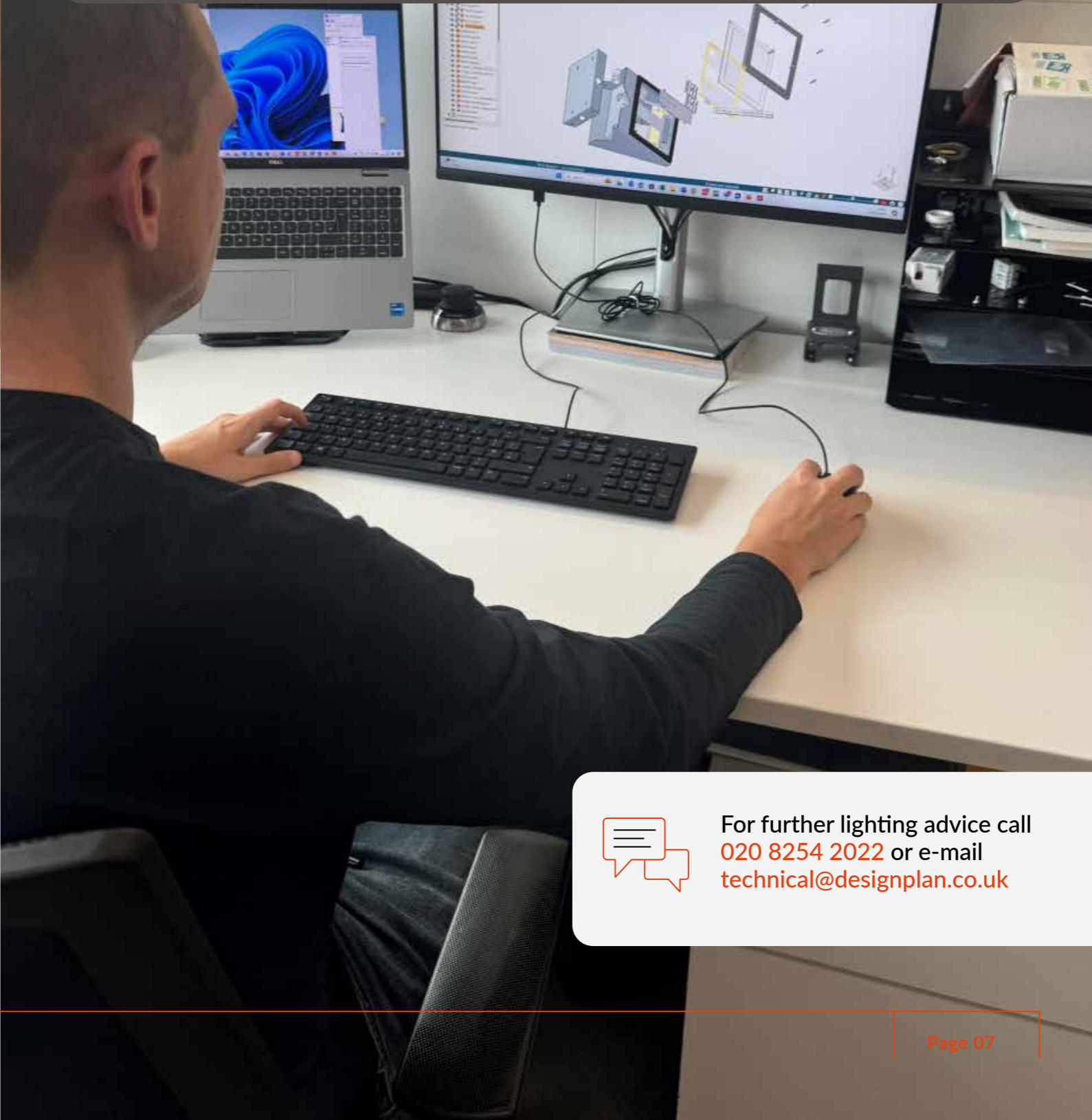




PROJECT MANAGEMENT

Our in-house project management and design teams work with you from initial planning through to final handover, ensuring both your luminaires and DesignMesh system are fully integrated, compliant and future-proof. We coordinate schedules, attend site meetings and provide installation support at every stage.

We also carry out energy management surveys, develop compliant lighting and control schemes and provide all necessary technical data for smooth integration and peace of mind. From product selection through to certification, our team ensures every stage of your project is delivered efficiently and reliably.



SUSTAINABLE LIGHTING UPGRADES

Alongside DesignMesh we can help you upgrade your lighting to ensure sustainability, cost savings and compliance.

All our fittings incorporate removable metal trays containing all the internal lighting componentry. The benefits of LED gear trays include:

- Sustainable way to convert to latest LED light engine
- Reduces your energy use
- Lowers maintenance costs
- Minimises disruption
- Supports compliance with test systems
- Reduces your ownership costs
- Future proofs your lighting.

Support & Advice

Our technical team will carry out a free, no-obligation survey of your installed lighting* and provide a tailored report. Where required, we'll recommend LED upgrades, replacement luminaires, bespoke solutions and the emergency lighting testing system to suit your needs. If we upgrade your existing lighting, every modified luminaire is re-certified with a CE mark, with your warranty renewed for complete peace of mind.

Together with DesignMesh, sustainable upgrades help reduce costs, improve compliance and support long-term sustainability, all backed by our project management expertise.

*Following a site survey we may reuse or need to replace some/all components depending on current condition, e.g. the diffuser.



For further lighting advice call **020 8254 2022** or e-mail **technical@designplan.co.uk**



LIGHT THAT CHANGES LIVES

Our mission is to guide our clients, innovating in environments and applications with demanding requirements, going beyond accepted boundaries to enhance and change lives through light.



16 Kimpton Park Way, Sutton, Surrey, SM3 9QS
+44 (0)20 8254 2020
www.designplan.co.uk
sales@designplan.co.uk

designplan
LIGHTING

A Fagerhult Group Company