

**connected** lighting management

**delmatic**



## connected lighting management

Delmatic connected lighting management systems control and coordinate every light in a building.

Network sensors monitor occupation and create graphical maps with location-based information on areas in use in the building. This real-time knowledge ensures lighting is only lit in occupied areas, yet also informs other connected systems of occupancy status and patterns.

No longer do buildings need to be uniformly lit, heated or cooled. Instead, the lighting network creates an interactive map of usage so that energy is applied efficiently, economically and sustainably.

Occupants can adjust lighting to suit their preference or task and, through the shared information network, also control temperature, window blinds and other networked services.

Delmatic connected lighting management systems lead the way to outstanding overall energy optimisation.



## monitor, manage, configure

Graphical software provides a window onto the lighting and connected building services, feeding back real-time information on system operation, lighting levels, lamp run-hours, lamp failures and energy statistics.

Active graphical maps display location-based information on areas in use in the building and provide powerful tools for managing and monitoring lighting across one or multiple sites.

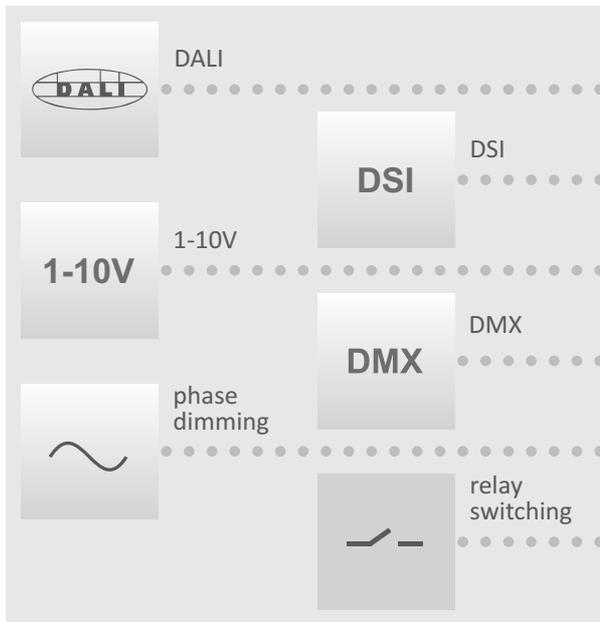
Remote monitoring enables lighting to be configured, monitored and controlled from a remote location, and system alerts to be transmitted to mobile devices.

Remote health-checks provide proactive management of the system ensuring lighting operates at maximum efficiency.

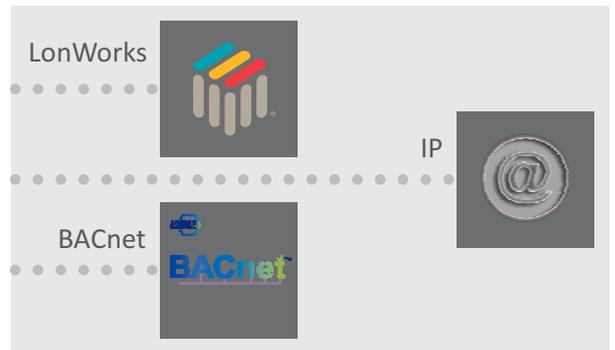
# connected, informed, responsive

Delmatic connected lighting management systems comprise a network of modules using open protocols, providing sustainable, intelligent control, connected to other building systems with a range of local user controls.

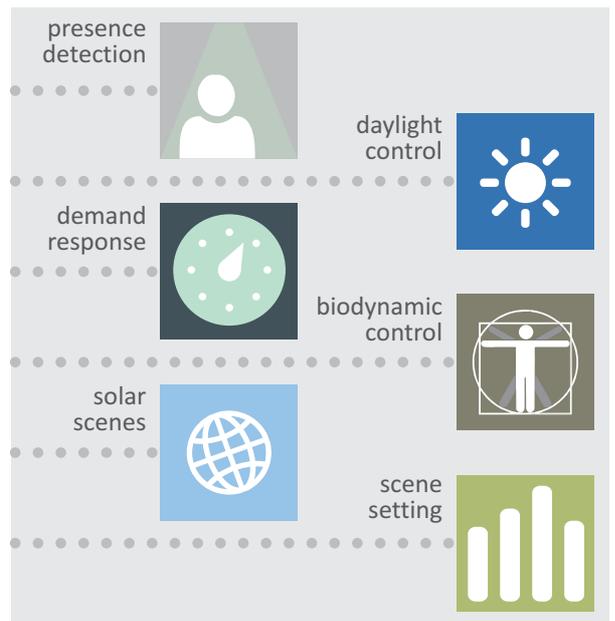
## a network of control modules



## using international open protocols



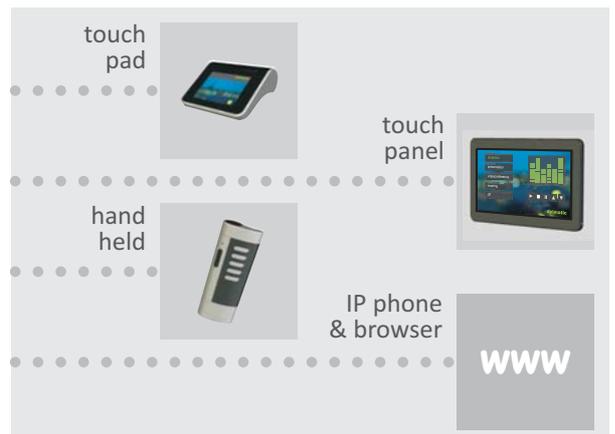
## for sustainable intelligent control



## connect to other building systems



## with a range of local user controls



# sustainable

Delmatic connected lighting management systems enhance sustainability over the complete building life-cycle ensuring energy and operational efficiency, reducing waste and disposal, guaranteeing longevity of life and maximising re-use.

Systems save energy and reduce carbon emissions through presence and absence detection, daylight management, presence-related control of other connected systems and energy-consuming services as well as through zoning, sub-metering and active energy analysis.

## sharing networks

Open protocol technology enables network infrastructure to be shared achieving savings in capital and installation cost as well as conserving scarce resources such as copper.

## sharing hardware

Open protocols enable a single presence detector, for example, to communicate with and control multiple services, avoiding the capital and environmental cost of duplicating hardware.

## sharing knowledge

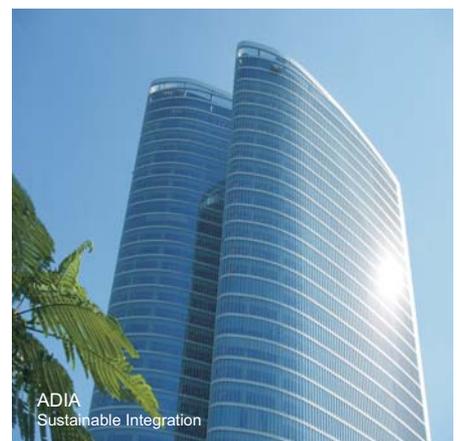
Pooling and sharing knowledge with other systems enables building operation to be optimised and energy to be efficiently and economically regulated.

## extending life

Delmatic systems monitor individual lamp usage and generate relamping schedules to optimise lamp life and avoid premature replacement, while real-time lamp failure monitoring enables selective replacement of lamps.

Equipment is designed for a long operational life, and plug-in intelligence enables latest technologies to be adopted while retaining original hardware and cabling - maximising reuse and sustainability.

To optimise ongoing efficiency, Delmatic work closely with clients to review building performance and continually re-evaluate system configuration and operating parameters.



# connected everywhere

In today's world sustainability and versatility are key requirements for all projects and Delmatic's connected lighting management systems offer cutting-edge solutions across a spectrum of applications.

## educational



Coventry University, UK

## commercial offices



Marks & Spencer Head Office, London, UK

## medical



The London Clinic, UK

## transportation



London Crossrail, UK

## research



Masdar Institute, Abu Dhabi

## recreation



Becontree Leisure Centre, UK

## cultural



Ickworth House, UK

## hotels



Oberoi Hotel, Dubai

## retail



Fortnum and Mason, UK

# application based features

Connected lighting management provides a wide range of features and benefits and includes various applications that can be mixed and matched across the control network to provide the precise degree of control and operations for each area of a project.

presence  
detection  
app



lamp  
failure  
monitoring  
app

graphical  
monitoring  
app

daylight  
management  
app

lamp  
runtime  
monitoring  
app



emergency  
lamp testing  
and  
monitoring  
app



energy  
dashboard  
app

scheduling  
and  
sequencing  
app

biodynamic  
control  
app

scene  
setting  
app



optimum  
relamping  
app



device  
monitoring  
app

With offices in London, Abu Dhabi, Dubai, Qatar and Saudi Arabia and partners in key markets throughout the world, Delmatic provide a comprehensive technical resource for international project teams.

Delmatic are experts in connected and interactive solutions using the international open protocols of Dali, Lon, IP and BACnet, and assist in developing sustainable systems which seamlessly integrate lighting, air-conditioning, solar shading and security.

Our service embraces every stage of a project: working with clients and consultants from the initial stages of design, providing unmatched technical assistance in developing an optimised lighting and energy-management scheme, offering comprehensive project management during installation, and culminating in the handing-over of over a fully-operational system and an ongoing lifetime relationship with the building occupier.

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