

## Project Focus

### Ventspils Bascule Bridge, Latvia.

This land mark mechanical lift bridge spans the river Venta in the Latvian city of Ventspils. A lengthy renovation program culminated in a spectacular reopening event demonstrating the innovative and flexible use of exterior LED, laser and projection lighting to create a memorable 'crossing' experience.

When the lift bridge is in operation, waiting car drivers are treated to a light show that includes projection onto the tilted road surface as well as chase effects that even include the road lighting street furniture. When approaching the bridge or viewing from the river banks, the full extent of the lighting effects become apparent with under-deck, support and parapet edge lighting completing the spectacle.

Technical challenges included a remote control room, situated some 3 kilometers away, the obvious difficulties of wiring any structure that separates in the middle alongside the environmental challenge of extreme heat and cold coupled with a wet location.

Latvian supplier ArkILED worked with Cooper Controls to develop a hybrid control solution using Ethernet and DMX driven LEDs controlled by the versatile LightFactory software.

View the video at:

<http://www.youtube.com/watch?v=K122KXfzyG8>



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### Cooper Controls launches expanded DALI solutions with new Sensor and Keypads

Cooper Controls have added a new compact multi sensor and keypad to their expanding range of DALI network solutions which now includes both DINrail and distributed LCM controls for a comprehensive addressable DALI lighting network able to meet the needs of any DALI lighting project.

The new DALI multi sensor features a combination of a PIR detector, IR receiver and a daylight measurement photocell to deliver energy saving strategies. The compact flush ceiling mounted sensor measures just 49mm in diameter making it ideal for discreet installations almost anywhere, including ceiling rafts and chilled beams. An optional surface mount box and handheld IR transmitter unit are also available.

The new DALI control panels feature 5 or 7 button configurations and are based on the popular Wandsworth Series 2 format. These panels feature a standard Satin Stainless Steel finish with optional custom finishes available.

DALI Sensors and control panels may be interspersed with DALI ballasts as required anywhere on the DALI loop for a free topology solution. Centralised or distributed controllers in DINrail and pluggable LCM formats complete the DALI family of solutions.

When used with the powerful Spectrum Manager software and graphical user interface, these DALI components build into an adaptable whole building solution, leveraging the power of DALI for energy saving, flexibility, feedback and emergency lighting test capabilities.



### Smarter lighting control has arrived...

Access your lighting network from mobile devices, smart phones or PC to select, modify, save and protect your great lighting designs with the new iLight EG2 Ethernet Gateway and apps from Cooper Controls.



#### iLight Mobile Applications

- iPhone®, iPad®, iPod touch® and Android™ mobile applications – supporting multiple users.
- Logical layout of screens with all areas and scenes named according to your choice.
- Operate, edit and update scenes at the touch of a button.
- Sliders, switches and scene buttons make for intuitive operation.
- Customise your backgrounds.
- Multiple password layers to protect your set up including areas or scenes individually.
- Applications are free to download and use.

#### EG2 Ethernet Gateway

- Automatic handshake when a mobile device connects.
- 2 sizes – DINrail or wall mount enclosure to suit your installation needs.
- Web server built in to enable access from any PC or mobile device.
- Integrate with AV equipment.
- Built in sequences to simplify complex events.
- Save a local copy of your installation commissioning file.
- Save money – using remote support and maintenance without the need for a site visit.

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### Scottish Natural Heritage Centre Continues to Score Energy Savings

When constructed, the Scottish Natural Heritage Centre headquarters building achieved the highest ever BREEAM rating. The new build project included a flexible networked lighting control system by ALC, now part of Cooper Controls. Now the building has been in use for some time, its reassuring to confirm that the energy savings from the control system are still delivering against the payback expectations of the initial design. Due to the simplicity and ease of adjustment using the Spectrum Manager graphical user interface, some 3000 adjustments have been made by the facilities manager, fine tuning the operation of the control system to the ever changing needs of the space throughout the seasons.

### 64.9% Saving on Lighting Energy Costs

Calculation based upon Spectrum Manager usage reports

The building is fitted out with T5 fluorescent tubes and high frequency ballasts throughout. The ALC lighting management system controls all of the lighting in the building, most of which is on daylight and occupancy sensors to minimise usage. The lighting is zoned in office areas to allow separate control, for instance the centre of the room requires more 'top-up' lighting than the perimeter of the office space next to windows or the atrium. There is also local control for every four work stations to give occupants override controls to adjust lighting if required. At the heart of the lighting controls system is the Spectrum Manager software which logs level and usage for each circuit, allowing performance reports to be generated at any time.



#### Equipment Installed

- Central PC with Spectrum Manager Software
- Area Controllers
- Pluggable LDMs
- Hardwired LCMs
- Combined Sensors
- Partition Units

## Organisational News

### Cooper Controls Grows Sales Team for Architectural and Commercial Lighting Controls

With a background in engineering and located in the north of England, new recruit Phil Cutchie joined the Cooper Controls UK sales team in June 2012.

Phil draws upon previous industry experience with Delmatic where he soon progressed from sales support, to estimating and then to sales. 'Whether DALI, DSI, 1-10v, LED or a mixture I can always look to find the right solution to fit the scheme,' says Phil.



Christian Fischer is the latest recruit to the Cooper Controls UK Sales Team. With a wealth of experience in the lighting and lighting controls industry including working for Le Grand and Mode.

'I'm delighted to join Cooper Controls. With lighting technology advancing quicker than ever, Cooper are ahead of the game offering a great range of lighting control options for all lighting projects; from architectural lighting to energy management solutions,' says Christian.

## Exhibition News

**PLASA 2012**      **9 - 12 September**      **London**



Come and see us at PLASA this year  
Earls Court 1, London, UK. Stand 1-E38



**Houses of Worship Technologies**      **4 - 6 October**      **Singapore**



Asia's Inaugural Exhibition and Conference for Houses of Worship Technologies will be held at Marina Bay Sands, Singapore. Stand in conjunction with Lighting Controls PTY.



**LUX Live 2012**      **6 - 7 November**      **London**



Come and see us at Lux Live  
Earls Court 1, London, UK. Stand C21

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