



## Benefits

- Avoid travelling costs
- Quick intervention or upgrading
- Monitor and control system from anywhere

## eWON web-based service enables remote control of lighting effects at new O2 Arena

Specialised in designed lighting, Architen Lighting company chose eWON technology to monitor and diagnose its lighting system in a recent project at its new Arena in Dublin

### Remote monitoring of light show

The 14,500-capacity arena, sponsored by O2, is a new concert and events venue. The building was originally an old shipping depot, but since it was opened in December 2008, the venue has hosted sellout crowds for likes of Coldplay and Kings of Leon for instance. This arena features a multi-dimensional lighting mesh with more than 6,000 LED's.

By installing an eWON industrial VPN router with its lighting control systems, Architen Lighting is now able to remotely monitor and control customer lighting systems from anywhere in the world using a secure broadband or wireless connection. Engineers simply have to log on to a web page on the internet through the eWON's Talk2M software called 'eCatcher' which enables them to turn on or change lighting effects, all this from their own desktop.

### Peace of mind

Christopher Rowell, Project Manager at Architen Lighting commented: « At commissioning, we programmed a number of different lighting effects. The controller automatically chooses an effect based on the day and time of the show. The control rack at site also has an eWON router to enable remote changes and control. We have installed eWON routers at seven different customer sites so far and intend to use more in the future.

Rather than spending a whole day traveling to a customer's site in order to upgrade or change a lighting effect or to diagnose a fault, the eWON Talk2M service lets us remotely perform these tasks, which saves us time and money.»

« eWON has given us much more peace of mind and has allowed us to sleep better at night, knowing that we can now remotely monitor the customer's installation from our Bristol office or from a laptop at home.»

**“ Within 15 minutes, I was able to write and send an upgrade to the eWON device using Talk2M. The change was instantaneous ! ”**

Customer: Architen Lighting  
Country: Ireland  
Sector: Lighting system



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## Challenge your performance

In the O2 project, the client recently asked the company to soften lighting effects for a specific VIP guest.

« Within 15 minutes, I was able to write and send an upgrade to the eWON device using Talk2M. The change was instantaneous. It was like having a direct Ethernet connection to the site.»

## Secure web-based connection

Architen is using the eWON router in combination with the eWON secure Internet-based connectivity service, Talk2M. This service is free to use and offers full integration of IT security standards by establishing an Internet communication « tunnel » between the user and the remote lighting system, without any IT network security changes at either end. This enables easy, fast deployment of a remote connectivity link, while circumventing complexities that may exist within a site's IT network infrastructure.

On request or permanently, eWON makes a secure, VPN connection to the Talk2M web server. On the other side, the user also makes a secure VPN connection to the same server, by signing in to the Talk2M service. This server interconnects the two VPN tunnels. Only authenticated users can connect to their eWON routers. Once a user is connected using 'eCatcher' and signed in, a single click is all that is needed to establish communication with the chosen remote site.

Connecting to a remote location via mobile phone networks is just as straightforward. An eWON router containing an embedded GPRS or EDGE modem can either be permanently connected to Talk2M or can be remotely activated to establish a Talk2M VPN session, by sending it a SMS text message.

The eWON industrial VPN routers comply with a wide range of serial and Ethernet-based PLCs, including Siemens, Rockwell Automation, Schneider Electric and Omron.

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