

EnLight technology reduces ARM's car park lighting energy costs by 50%



ARM[®]

ARM Holdings Plc is the world's leading semiconductor intellectual property supplier. Headquartered in Cambridge, UK, and employing over 2,800 people, ARM has 31 offices around the world, including design centres in China, Taiwan, France, India, Sweden and the US.

ARM wanted to find a way to reduce the energy costs associated with operating the lighting in the car park of its Cambridge headquarters. As leaders in the development of smart low power technology, it was only natural that ARM would be looking for an innovative solution that would not only reduce power consumption but also enable intelligent interaction with the lighting installation.

EnLight award winning technology, which uses ARM processors, was the obvious choice. EnLight is a complete solution for lighting control and energy management that puts customers in direct control of their lighting, simplifying installation and maintenance and dramatically reducing operating costs. Use of the ARM architecture means energy consumption is kept to an absolute minimum while still providing the high level of performance required to drive the rich functionality offered by the EnLight products.

Lamps in the ARM car park were retrofitted with EnLight Entelli-Ballasts, a simple install thanks to EnLight's universal fitment. Operating at 96% efficiency, Entelli-Ballasts are by far the most efficient ballast available so the energy consumption of the lighting was instantly reduced. The improved light output provided by EnLight technology also enabled the lamp power to be reduced further without a noticeable change in light levels.

"As a means of reducing its costs and minimising its carbon footprint, ARM has upgraded the lamps in its Cambridge car parks. We have already seen a 43% decrease in electricity consumption and, once we implement a dimming profile, we expect to see a total saving of 50% with its corresponding CO2 reduction. This will result in an ROI of less than 3.5 years but with the added benefit of full remote monitoring and control and reduced maintenance costs."

The part-night linear dimming capability is built into EnLight's DolFin Intelligent Light Sensors, enabling ARM to maximise savings at times of the night when there are no employees on site. Remote monitoring and control using EnLight's EnTalk software is made possible by an integral radio node in the DolFins, providing wireless connectivity to the lamps.

ARM are so impressed that they are now considering further uses for the technology. According to Ian Whall, Facilities Manager at ARM's Cambridge Headquarters:

"The upgrades to the lamps was managed and implemented by EnLight and their maintenance team and it was a very straightforward process. I now have full visibility of lamps and can see if any have failed or are likely to fail from a central console. We are now looking at adding other HID lights such as architectural uplighters and building-mounted flood lights to reduce our maintenance burden even further."



EnLight's DolFin Intelligent Light Sensors

For more information on enLight smart light technology please see www.enlight.co.uk, or contact EnLight via: **sales@enlight.co.uk** or telephone: **+44 (0) 1508 521227**



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