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Signalling a reduction in carbon footprint with Siemens retrofit

A newly developed LED signal head retrofit option from Siemens provides real opportunities for significant carbon footprint reductions. With the same excellent optical performance as existing Helios signals and carbon savings of over 75%, the Helios retrofit enables existing installed signals to be upgraded to the latest CLS LED technology, whilst maximising the re-use of existing roadside infrastructure.

According to Keith Manston, Siemens' Head of Product Management, the significant carbon impact on the environment of existing traffic signalling equipment with traditional incandescent lamps that need regular replacement and consume large amounts of power is a growing concern. 'There are many thousands of Helios traffic signals installed, but the majority of them are still fitted with traditional incandescent signal lamps. As well as consuming large amounts of power, the need to regularly replace these lamps has a significant carbon impact, both in the manufacture of the lamps and the vehicle miles travelled', he said.

Enabling existing signals with incandescent lamps to be upgraded to LED technology, Siemens has developed the retrofit option to provide significant power and carbon savings without compromising functionality or infrastructure investment. Easy to install and offering full lamp monitoring compatibility, the low-power retrofit provides a sustainable solution with minimum waste and both high optical brightness and outstanding phantom performance.

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Consuming an average of just 9W across a typical dim/bright cycle, the latest Helios retrofit modules offer power and carbon savings of over 75%. The modules fit any existing Helios traffic signal body, minimising waste and disposal issues – and further enhancing the carbon savings achieved. ‘Thanks to the continued use of the well-proven SIRA lens, the optical performances of the signals remain excellent, providing both high brightness and outstanding phantom performance’ Keith added.

For new installations, signal heads are available already fitted with the latest LED modules which are fully compatible with the latest controllers.

About Siemens

Siemens design, manufacture, install and maintain a wide range of traffic engineering products and systems to enhance road safety and improve traffic flow in congested urban and inter-urban areas. In the United Kingdom, The Traffic Solutions business has around 800 employees including approximately 350 skilled service engineers dedicated every day of the year to maintaining over half of all traffic control equipment installed on the UK road network.

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