

Street Lighting

Tailored services providing unique, sustainable and dynamic lighting solutions.



Who we are

Colas has designed, supplied and installed external lighting for over 20 years. We are committed to the delivery of external lighting solutions and the provision of safer, more harmoniously designed local streets.

Working closely with our clients and an advanced network of supply chain partners we help to deliver a comprehensive range of safe and sustainable lighting solutions.

What we do

Recognising the impact brighter and well maintained lighting has on local communities, our specialist electrical team is dedicated to the provision of design, installation, and maintenance of street and car park lighting. Our services are designed around the requirements of local authority contracts and private lighting schemes.

We can offer you a complete concept design, project management and installation package or work with your designers to produce optimum solutions - the choice is yours. Our experts can help you with energy efficiency enabling you to reduce your operating costs. Being independent from lantern manufacturers allows us the total freedom to recommend the best product for your needs.

Our solution areas consist of:

- Design and client consultations
- Project management
- Procurement
- Storage and handling
- Installation, testing and maintenance
- Refurbishment and removal



Working with you

Enhancing the seafront at Hastings

Hastings Council appointed Colas to provide an innovative high quality lighting solution to replace their existing seafront lighting with new computer-controlled LED fixtures. A wireless controller at the council head office was installed to allow staff to control the colour patterns from any computer or handheld device. Additional consideration was also given to the bespoke components, where marine grade aluminium and stainless steel was sourced for manufacturing. The entire project was run wirelessly to avoid expense and disruption to ground works.

Due to the design of the columns, Colas adhered to stringent requirements which resulted in complying with a no drilling policy in the existing columns. Bespoke fixings were also designed and manufactured by Colas to accommodate all the necessary equipment. The refurbished lighting now provides Hastings Council with multiple benefits. The refurbished columns offer a greater visual attraction along the seafront and also allow Hastings to realise significant savings in energy consumption and CO₂ emissions.

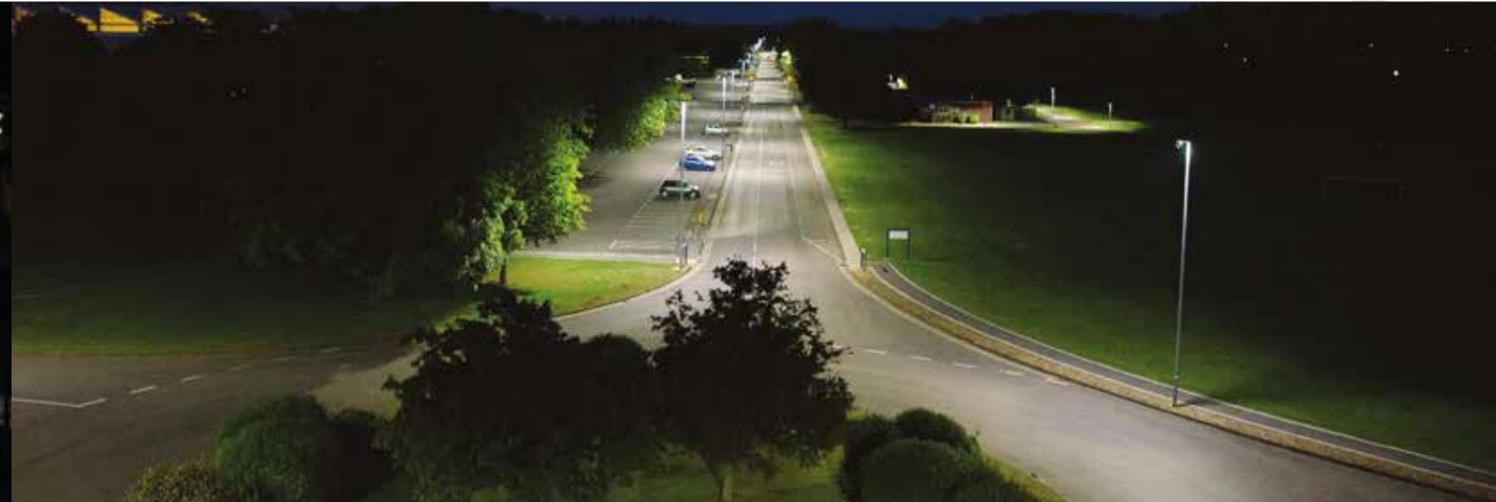
Innovative lighting columns at Culham

Colas supplied and installed over 200 innovative lighting columns and 225 LED luminaires at Culham, a purpose-built fusion laboratory based just south of Oxford. The existing columns at 40 years old were in need of replacement; however existing cables were to be retained. As a former WW2 airfield site, extra vigilance was required to ensure the maintenance and preservation for all historical features and assets within the site's complex.

A partnership made up of Colas, CU Phosco and Urbis was put together to deliver the scheme. Using Colas' original design concept, CU Phosco produced an innovative design to replace the street lighting columns; these were then manufactured, tested and, following a successful trial, fully installed.

Calculations produced by design partners Urbis were also utilised to help measure the scheme's significant improvement towards energy efficiency and CO₂ savings.

Groundworks were also undertaken by Colas through the supply and application of resin fill for the sleeve which formed the original column foundations. As this design was a pioneering first for Colas and its partners a prototype was developed to meet the client's specifications before any work commenced. The complete project was delivered in under 10 weeks and allowed Culham to benefit from energy savings of over 70%, enhanced colour rendition, facial recognition and CCTV images.



Improving the lighting ambience in your local community

In recent years, Colas was awarded two street lighting maintenance contracts working for East Sussex County Council and Brighton and Hove City Council to maintain public and amenity lighting. Since then the team have successfully continued to retain the two contracts which involve the upkeep of some 72,000 lighting columns, illuminated signs and bollards, renewal of defective lighting columns and electrical components, as well as the replacement of damaged lighting columns.

Within the contracts Colas have continued to introduce innovations and technological advancements. Such developments included the use of luminaires in order to reduce energy consumption and carbon emissions and the utilisation of hand held data input devices in order to improve data verification and operational efficiency.

Working with our customer, Brighton and Hove City Council, Colas installed LED active colour change lighting in the underpass on Trafalgar Street. With the longer term objective of attracting more tourists and their greater footfall towards the North Laine area of the city. It has also helped to improve visibility for drivers, cyclists and pedestrians. The attractive aesthetic lighting is one of many initiatives helping generate economic development in the city.



LED lights were switched on beneath a row of distinctive arches known as the The Colonnade on Madeira Drive. Fifteen white LED line strips provide illumination from above and fifteen blue uplighters are recessed into the surface. The new lighting makes it a much more attractive and safer place to walk at night.

Active colour changing LED lighting has also been installed beneath a railway viaduct crossing London Road, to help highlight the imposing nature of the structure for the benefit of both locals and drivers entering the city.



The Pavilion Gardens

The Pavilion Gardens surround the magnificent Royal Pavilion in the heart of Brighton. The gardens are meticulously kept and recently, as part of the street lighting contract in place, Colas were asked to upgrade the lights that run throughout the park. Due to the historic nature of the lanterns and posts, great care was taken to preserve them and carry out the work whilst minimising disruption. The work was carried out efficiently over a period of three weeks and involved working on the ground cables and the lantern bulbs to introduce a new LED lighting solution. The lights are now modernised and will use significantly less energy but still maintain their historic presence.

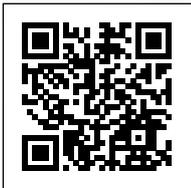


Invest to Save

Working with East Sussex County Council, Colas are replacing 1,000 street lights on roads throughout East Sussex, representing a significant investment.

Existing 250W units are being removed in favour of 140W lanterns, and the majority of new installations will also feature electronic dimming to save on power output between midnight and 6am.

Funded by East Sussex County Council's 'Invest to Save' programme, the initiative aims to identify and commission energy saving alternatives and make pedestrians feel safer. It is hoped that capital investments in street lighting could generate substantial annual savings. In addition, the ongoing lantern replacement programme is set to save in the region of 250 tonnes of carbon dioxide from being released into the atmosphere every year.



For more information please scan here or visit us online at www.colas.co.uk/streetlighting

Colas Limited
The Broyle, Ringmer
Lewes BN8 5ND

T: 01273 815800
F: 01273 815815
E: info@colas.co.uk

www.colas.co.uk