

ECS continues its carbon reduction strategy with new workshop LED lighting

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Continuing its carbon reduction strategy, ECS Engineering Services has installed highly efficient LED lighting at its workshop in Sutton in Ashfield, Nottinghamshire. The switch is expected to reduce annual carbon emissions by over 54% compared to the legacy system.

“Reducing our carbon footprint is imperative for the future of our engineering business and the planet,” says Steve Crapper, Precontracts Director at ECS. “As an electromechanical services provider to the water, construction and nuclear industries, we operate a large capacity workshop including a fabrications department. To reduce our energy consumption, we have switched to LED lighting across these facilities.”

Moving from the existing 400 W lamps to 200 W LEDs will save approximately 56,833 kg of CO₂ emissions a year. The business is benchmarking its annual CO₂ emissions with the help of the University of Derby to ensure it has accurate data that it can share transparently with its suppliers and customers.

“Beyond the increased efficiency and reliability of LEDs, and the physical improvements the lighting brings to the shop floor, the switch will also provide us with energy cost savings, ensuring that we can further insulate our customers from unforeseen price fluctuations,” Steve adds.

As well as this lighting installation, ECS has been making progress in reducing the environmental impact of its fabrications work. Last year, ECS was upgraded on the British Constructional Steelwork Association's (BCSA) Sustainability Charter to Gold – the highest attainable standard. Assessing all emissions sources across a business, the BCSA Sustainability Charter programme is designed to encourage steelwork companies to improve sustainability and environmental responsibility.

Furthermore, the business regularly upgrades key infrastructure to new efficiency standards. ECS also offers customers access to more sustainable material options such as fibre reinforced polymer (FRP) for lock gates and bridges. When on-site, ECS actively works to reduce disturbance to the outside environment, using prefabrication construction methods and a turnkey approach. As a result, the business is often selected to carry out challenging projects in sensitive ecological areas.

“Achieving a sustainable future is a continuous journey. We will work to identify more areas for improvement, reducing our carbon emissions across all areas of our business,” Steve concludes.

Image captions:



Image 1: ECS continues its carbon reduction strategy with new workshop LED lighting



Image 2: ECS has been making progress in reducing the environmental impact of its fabrications work

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About ECS Engineering Services

ECS Engineering Services has over 30 years experience in delivering high quality, reliable and cost effective engineering solutions, specialising in bespoke design and construction of water, energy and environmental processing and management projects.

In conjunction with key supply partners, ECS has the expertise and capacity to design and install a wide range of water control engineering projects. With in-house fabrication services, which have CE Marking approval to EXC4, well equipped and highly skilled engineers can also complete structural steelwork, bespoke fabrication work and access metalwork to the highest standard.

With a complete range of site services available, ECS offers a full turnkey project managed service for mechanical and electrical installations including managing civils contractors and supplying pipework, control and automation work to ensure that every installation is installed and commissioned to the highest standard. Existing clients include the majority of the UK Water Utility companies, Government Agencies and Internal Drainage Boards.

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