

Technology for a fully integrated Smart City landscape



The **Sustainable Outdoor Lighting and Sensory Urban Network (SOLSUN)** project uses street lighting control systems to provide connectivity for 'smart city' applications and is a cost-effective and sustainable way to deploy the required network infrastructure.

Located in the heart of Budapest, Hungary, EnLight is working with a network of partners including the Municipality of Budapest, BT plc and The Budapest University of Technology and Economics and has provided the technology now installed within the existing street lighting alongside the deployment of networked sensors to monitor the urban environment.

Following successful installations in the UK, EnLight and its partners have developed new technology and sensors for implementation and monitoring in the city of Budapest across a two year period.

Key areas include:

- Street Lighting
- Traffic
- Emissions Monitoring
- Noise
- Signage
- Data Analytics
- Mobile Applications
- Interoperability
- Green House Gas (GHG) Statistics

Our EnLight technology has been installed to reduce energy consumption at the same time as turning street lights into nodes on a scalable network that are also expandable for other applications. Sensors capture data on air pollution, noise pollution and traffic density; information gathered will be used to address traffic congestion, another key contributor of GHG emissions in cities.

The Internet of Things (IoT)

SOLSUN brings IoT to the smart city landscape by providing a network of technology objects to be sensed and controlled remotely across existing infrastructure, creating opportunities for more direct integration between the physical world and computer-based systems, resulting in improved efficiency, accuracy and economic benefit.



EnLight's DolFin Intelligent Light Sensors

Commercial Solution for Any City

SOLSUN demonstrates that our technology enables cities to reduce CO2 emissions from lighting by between 30% and 50%, and improve the way their city operates, without incurring prohibitively high infrastructure costs.

Existing street light infrastructure can be upgraded to deliver instant energy savings and reductions in GHG emissions, whilst creating a sensory network that can easily be expanded for other non-lighting applications. Additionally, by allowing developers of connected devices to tap into the wireless infrastructure, and software developers to access data to build new apps and services, the technology also has the potential to become an enabler for the smart cities market.

EnLight is the only integrated system on the market that can be retrofitted in existing infrastructure to deliver significant energy and maintenance cost savings, and be expanded for other applications.

For more information on SOLSUN and Smart City 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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