Intephase is our channel partner based in the UK to bring powerful solutions for building safety, operational efficiency and better user experience with world-class IoT ecosystem.

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SMART LIGHTING SOLUTIONS

AGIL

interphase
IoT Solutions

ST Engineering

IoT Enabled Technologies for Energy Efficiency and Maintenance Optimisation

Securing the Future with AGIL Smart Lighting

Innovation lies at the heart of AGIL's unique approach to smart LED lighting. We continually challenge our design teams to provide intuitive, incisive, and practical approaches to address real-world concerns. Our advanced third-generation Smart Lighting System is optimized for security, remote monitoring and anticipatory lighting control. Automatic adjustment of the luminescence using the most advanced IoT sensors ensures lower energy expenditure and waste. Additionally, our embedded monitoring system provides for continuous data collection for actionable insights.

AGIL Smart Lighting further boasts an infrastructure that significantly reduces operational costs. Adoption of our sustainable energy-efficient solutions not only help businesses and consumers enjoy a high ROI and improved asset performance, but also impact communities, societies, and the environment positively.

- Up to 80% Energy Savings
- Secure 128-bit Encryption
- Lowers Maintenance Costs
- 0% CAPEX
- Low Embodies Carbon 0.018 Kg CO2/kWh
- Reduces Light Pollution
- Minimises Carbon Footprint
- Maximise Profits While Becoming Greener

COMMON AREA LIGHTING

AGIL smart lighting system uses secured proprietary wireless mesh network of sensors with a smart control system to achieve maximised lighting efficiency at low operating costs.

Our award-winning solution allows remote configuration and monitoring in addition to continuous data collection for data analytics to generate actionable insights.

- Configurable Lighting Profiles
- Anticipatory Illumination
- Self-diagnostic and Fail-safe

PERIMETER SECURITY

AGIL smart lighting security system seamlessly integrates with video surveillance systems in order to detect and deter suspicious or unwanted activity. While security is greatly enhanced, the cost implications are maintained at a minimum.

Our solution allows you to retain your existing lighting infrastructure to be easily set up and upgraded to act as a security system.

- Secure
- Reliable
- Cost Effective

EMERGENCY LIGHTING

Assurance testing of emergency lights with AGIL E-WATS Emergency Wireless Automatic Test System uses a smart IoT-enabled, infrastructure-free and fully automatic solution to carry out all tests required under BS EN 50172 / BS 5266-8:2004.

Our solution ensures that emergency lighting systems are compliant with industry standards & regulations, cost-effective and more reliable than manual testing.

- Automatic Regulatory Checks
- Lower Maintenance Cost
- Real-time Status Alerts

City planners and business owners use smart lighting for cost saving, operational efficiency, sustainability and remote monitoring for a wide range of applications.

Case study: Residential Estate

Challenge: Upgrade of a lighting network in large scale brown field matured estate due to environmental communication interference causing disruption of lighting to the residents.
Solution: 10,000 LED lights with motion-sensing technology, managed from a single platform equipped with data analytics for environment monitoring and maintenance optimisation.
Result: Energy consumption slashed by more than 50 per cent. Improved lighting environment and experience for residents without service disruption. The IoT-enabled lighting sensors provide the core network for future integration with applications such as water metering, temperature sensing and air quality monitoring.

Case study: Commercial Building

Challenge: Indoor car park with high energy usage due to 24-hour operations.
Solution: 260 units of (18 W) tamper-free IP65 LED battens with smart wireless sensors to promote energy savings, improve light quality and enable remote monitoring for ease of maintenance.
Result: Energy consumption slashed by more than 55 per cent aligning with the building's sustainability goals. Provided increased efficiency of the facility with the advantage of tamper-resistant lighting systems to protect against vandalism.

Case study: Hospital

Challenge: Deployment in a brown field linkway with ageing fluorescent lighting.
Solution: LED lighting upgrade roll-out with Smart Energy Dashboard allowing wireless mesh communication between luminaires for improved lighting experience and increased energy savings.
Result: Energy consumption slashed by more than 70 per cent attributed to data analytics feature to monitor and understand human traffic behaviour within the hospital for future planning.