

WELLNESS TECHGROUP

This company develops and implements IoT, cybersecurity, Big Data and AI solutions across the world, providing public infrastructure digitalisation projects in three key areas of Smart Cities: smart energy, smart waste management and smart cybersecurity.

www.wellnesstg.com



Wellness TechGroup

Collaborating member of the Smart Destinations Network



WELIGHT SMART LIGHTING

WeLight Smart Lighting improves the **quality and efficiency of public lighting**, ensuring a more efficient service and a better user experience. Integrating new technologies in the public lighting infrastructure has the potential to generate savings, optimise processes and facilitate improved decision making. It establishes a base for the implementation of a smart digital platform to manage other city services, a step towards becoming a Smart City.

WeLight **monitors and controls the public lighting infrastructure, detecting irregularities in consumption or operational malfunctions, as well as compiling consumption and savings reports. The system helps managers to prepare inventories and carry out both preventative and corrective maintenance.** This solution not only guarantees energy efficiency but is also key for public and traffic safety. Remotely managed lighting, along with the integration of devices like artificial vision cameras and influx or noise sensors, form a smart security system for public safety and security agencies. Likewise, remote management of lights with colour variations can be used for adaptive decorative lighting and tourism.

It is an end-to-end solution for optimal service, made up of IoT devices such as Unigate or Actis, as well as the complete WeLight software platform.

The solution allows for several distribution models: Remote management at the top of the electrical panel (control panel and circuits) and point-to-point remote management, both of which are compatible with conventional and LED lamps, or through wireless LPWA or PLC communications.

In addition, system distribution is made easy and agile using a mobile application.

WeLight uses multi-operator SIMs, ensuring high quality network connection and coverage.

Security measures are implemented in both hardware and software (VPNs, SSL certificates, etc.) so that all information can be securely transferred online.

WeLight is a **flexible modular solution** with multiple configuration and distribution options using a software as a service (SaaS) or under licence.

Scope of smart destination application

**Technology
Sustainability**

Solutions for destinations in the following areas



Type of solution

