

## Interreg North-West Europe Smart Space

### Project Details

The Project entails the replacement of 600 standard Street Lights with LED Street Lights which will have motion detectors to monitor movement in the area and dim down when a Street or Car Park is quiet.

### Brief Description

Tipperary County Council is a partner in the Interreg Smart Space Project with other Local Authorities in The Netherlands and Belgium along with the Technical University of Eindhoven and the Katholiek University Leuven, SPIE and Intemo. In this project Smart Street Lighting Pilot projects will be rolled out in four key urban areas in Tipperary, Sint-Nicklaas and Oostende in Belgium and Middleberg in the Netherlands.

### What Is Smart Street Lighting

The existing street light will be replaced with an LED street light which is fitted with a sensor. If the movement of people on a street ceases then the lights will dim down, saving power. If there is motion on part of a street then the lights in that area will ramp back up. In addition, in areas like Town Centres a different type of LED street light can be fitted, that can be programmed to change colour. The street lights colour could be changed to green, for example, for St. Patrick's Day.

### Deep Dive Workshop

Tipperary County Council will be Partners from the will be holding a 'Deep Dive' Workshop with EU partner Technical University of Eindhoven and key stakeholders in March 2019 which will be held in the Thurles at the Templemore/Thurles Municipal District Offices.

### Why Change to Smart Street Lighting

Changing a standard street light to LED could yield an energy saving of 50%. By fitting a sensor which would decrease the light output when there is no one in the area, the consumption of energy use could fall to 20% of that used by a standard light. Smart Lighting is lighting that enables people to use and enjoy public space, by providing the right light at the right moment, the right place and with the right atmosphere

### The Pilot Areas in Tipperary

Tipperary County Council has been successful in getting approval for ERDF funding for a project to develop Smart Sustainable Public Spaces across the North West Europe region with the project being called 'Smart-Space'. The Council, along with three European municipalities will receive funding to install a smart lighting system where the four partners will commit to a research project involving the installation and monitoring of this lighting system. Advances in intelligent lighting systems offer the opportunity to significantly increase energy efficiency, thereby reducing the carbon footprint. The primary location for the 'Smart-Space' project in Tipperary will be Thurles and in particular Liberty Square. The Council will include the villages of Clonoulty and Drangan in addition to Thurles to trial this technology in a rural context.