

INTERREG NORTH WEST EUROPE SMART SPACE PROJECT

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



Smart Space – Workshop

Thurles Municipal District Offices July 2019



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.

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. Many areas like car parks have no movement in them from midnight to 07.00 a.m. but the lights remain on all night. The sensors on the smart lights would detect if someone entered that area and full lighting is restored as they approach. By integrating sensors and software controls into the system the street lighting intensity can be automatically adjusted to the actual local needs, realising both reduction in light energy consumption and a higher level of well-being for people who live and work in the town and villages.

The Pilot Areas in Tipperary

In Tipperary 600 street lights will be upgraded in this Pilot Project. The villages of Drangan and Clonoulty along with approximately 50% of the street lights in Thurles Town have been prioritised for upgrading. 40% of the associated cost is being funded by Tipperary County Council with the remaining 60% being funded through Interreg North West Europe (EU). The Project in Tipperary is at design stage and must be completed by the end of July 2021.