

## Creating a smart pedestrian step that detects pedestrians and warns vehicles

**LOCATION:** Cordova

**DURATION:** 1'55"

**SUMMARY:** A smart signposting traffic system has been created in Cordoba and is made up of a combination of sensors, LED lights and an innovative composite formula. It has been developed by the Cordovan business Interlight, whose first system on the market is a smart pedestrian step, that when detecting the crossing pedestrian, lights up to alert vehicles that they have to stop. Interlight forms part of the Minerva Programme of technological undertaking which is driven by Vodafone and the Andalusian Council.

### VTR:

A pedestrian step in the Catalan town of Cambrills. Suddenly, it lights up. Some sensors have detected a nearby pedestrian and they activate the led lighting on the road.

**DIEGO PRIEGO**  
Interlight Industrial Engineer

*"This way we get the driver to be aware of the oncoming pedestrian, a dog or whatever's going to cross."*

It's Smart Signposting Systems, like this which are now being used in Puente Genil (Cordoba). They're looking to improve road security and the system was developed in this Cordovan lab.

**DIEGO PRIEGO**  
Interlight Industrial Engineer

*"Per year there are 10,000 people who are hit by cars in Spain, so what we're able to do with this system is reduce this percentage by more than half."*

Interlight is the business that designed this Smart system around three elements: sensors, led lighting and a composite material whose formula they created themselves so it could be both flexible and hard, and resistant to fire and ultra violet rays...

**MARILÓ SÁNCHEZ**  
Environmental engineer

*"As well as that it's translucent which allows the led lights inside to give off good visibility in foggy conditions, in the night."*

**DIEGO PRIEGO**  
Interlight Industrial Engineer

*"The current paintwork has to be renovated every year and they have to reroute traffic so they can be painted, and that has an added cost whilst this system can last well over 10 years."*

The pedestrian step is the first of this type of signposting, but their portfolio offers much more: from bicycle lanes or roundabouts that indicate circulation patterns. And currently in its initial stages, another system for roads with low visibility in fog.

**DIEGO PRIEGO**  
Interlight Industrial Engineer

*"We detect the vehicle and it leaves a snail trail in the road, in such a way that despite the vehicle behind not being able to see the car in front, it can see the trail it is leaving."*

Smart roads for Smart cities. A corporate initiative integrated in the Minerva Programme of technological undertaking which is supported by Vodafone and the Andalusian Council.

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