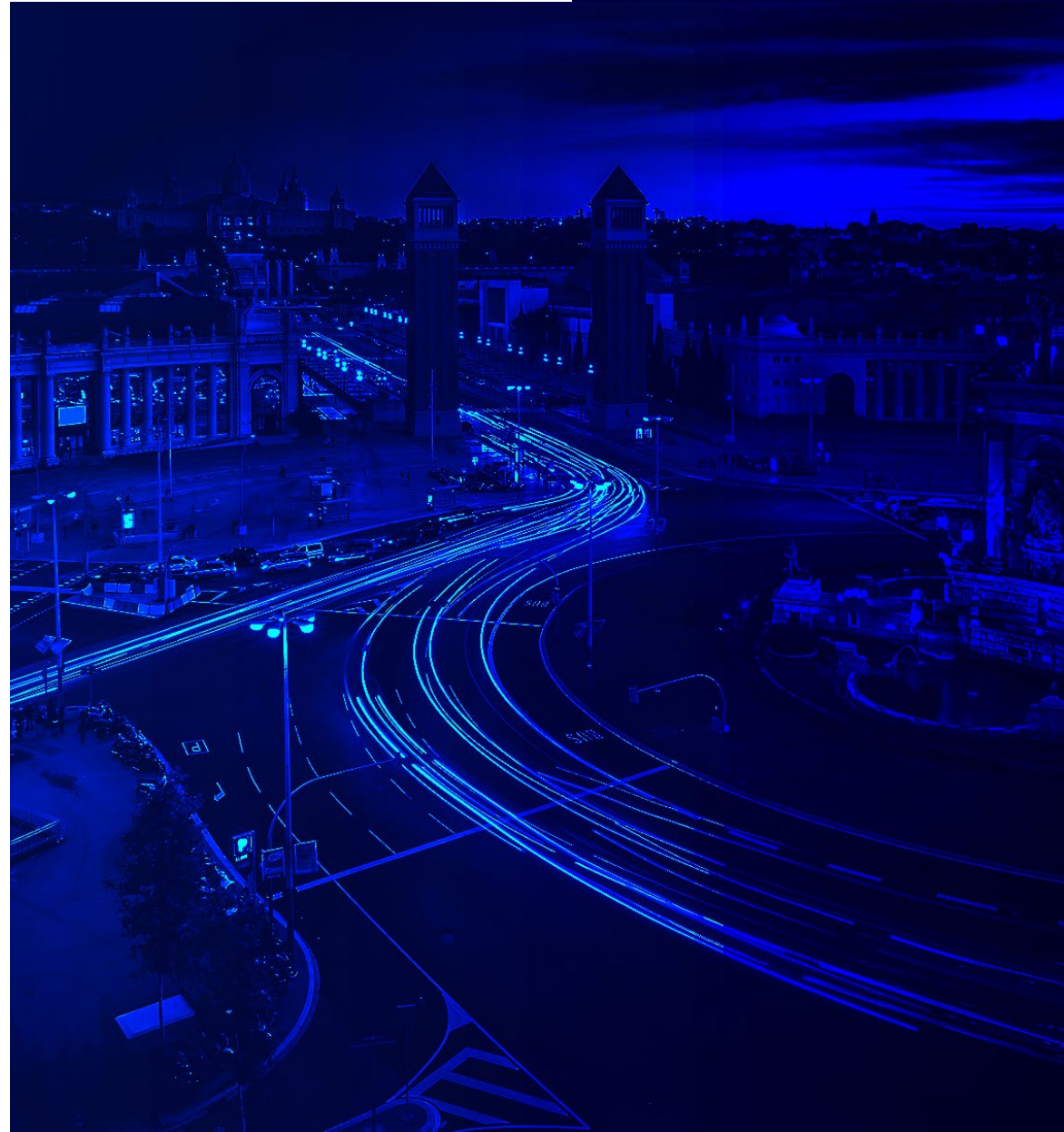


STEPVIAL



SMART SOLUTIONS FOR SUSTAINABLE MOBILITY

The goal of our company is to improve safety in urban roads, reducing pedestrian accidents due to collisions in areas of low visibility at night.

STEP VIAL

STEP VIAL is a company specialized in the creation, development and implementation of new technologies applied to road safety.

STEPVIAL team has worked out an new smart road marking system called "SLI", which is revolutionizing the current signalling methods in urban roads.



SLI

LED INTELLIGENT SYSTEM FOR SMART CITY AND SMART ROAD

The Smart Led System (SLI) is an innovative advancement compared with the current horizontal signalling, exponentially multiplying its effectiveness.

The implementation of this system will replace the existing current signalling.

HOW IT WORKS

SLI & SMART CITY

This smart horizontal road marking technology is a lighting system which combines integrated sensors and led panels to provide more urban safety.

1

Sensors are strategically located within the safety zone of the crosswalk and are responsible for detecting the movement of passersby.

2

When sensors detect movement automatically send a signal and led panels on the ground light up instantly.

3

Due to luminous signals, drivers are warned about pedestrians presence.

4

After a stipulated time if the sensor detects no movement, the luminous panels turn back to an idle state.

1

PEDESTRIANS
DETECTED

2

SENSORS
SEND A
SIGNAL

3

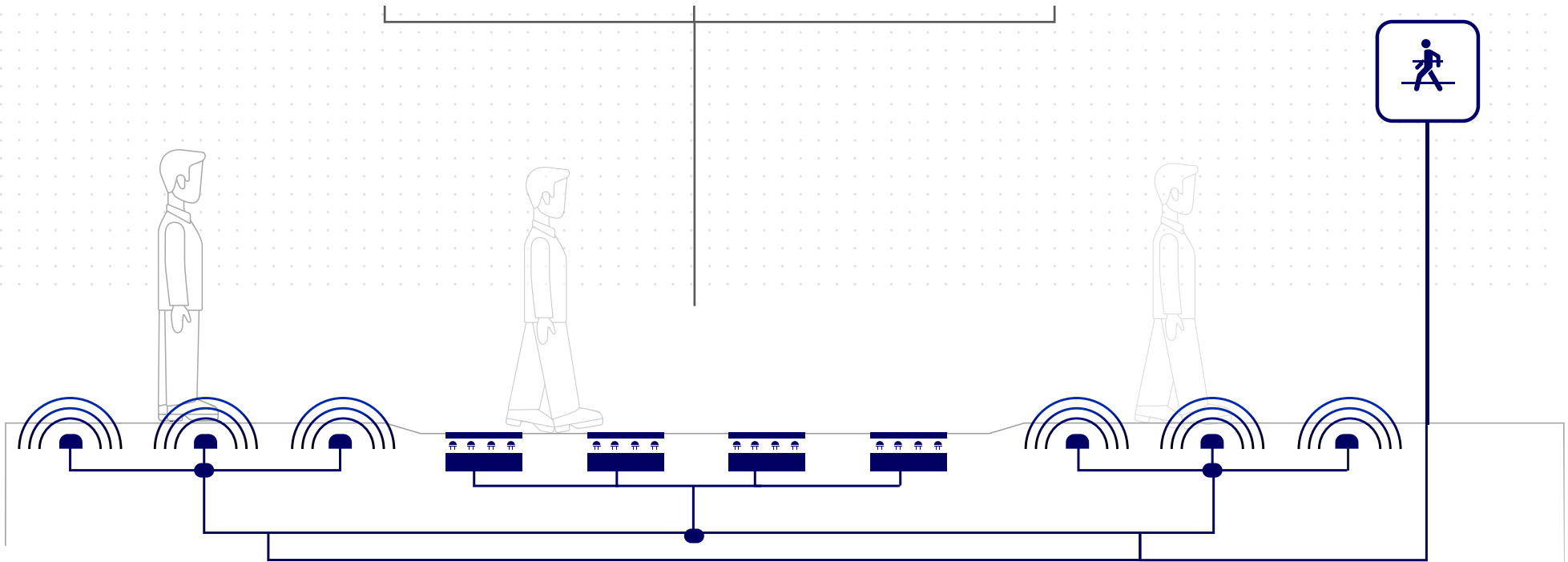
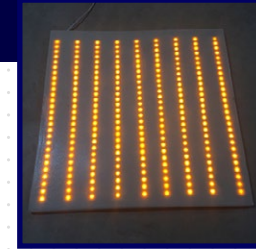
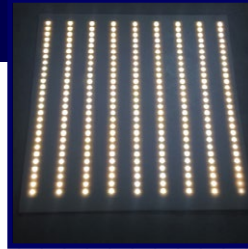
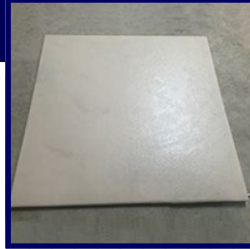
LED
LIGHTING IS
ACTIVATED



SOLAR ENERGY



ELECTRIC NETWORK





WATCH VIDEO

MAIN ADVANTAGES

SLI & SMART CITY

Helping pedestrians with difficulty

Increase safety of elderly and visually impaired people.

Minimizing risk

It multiplies its effectiveness in bad visibility situations such as overnight, dawn, rain, fog, etc.

Tailored Solutions

Devices can be made in different shape and size. Set pictograms, set the intensity of the light and colour contrast to emphasize driver's attention. WIFI and record data on the network or mobile devices are available.





MAIN ADVANTAGES

SLI & SMART CITY

Low consumption

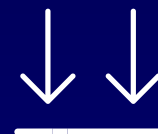
Due to sensors used to turn on and turn off, control of energy expenditure is easy to carry out. This system is sustainable and low consumption. Maintenance cost is greatly reduced. SLI offers two connectivity options solar energy or power grid.

High resistance

SLI stands out for its high resistance due to the use of composites and laminated materials.

These materials are well-known by their light weight and low cost of maintenance.

This system are designed to resist attrition.



MAIN APPLICATIONS

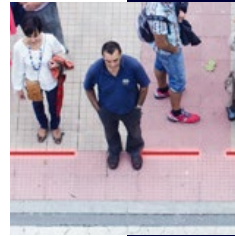
SLI & SMART CITY

STEP VIAL team has worked out different solutions to implemented this intelligent signalling system with different types of finishes and driver control.



Road marking for cyclist

- Cyclist crossing
- Cyclists and pedestrians crossing
- Lane shared by pedestrians and cyclists



Traffic light indicator line on the sidewalks

Lines on the sidewalks on both sides of the street that light up on the ground with the same colour as the traffic light, helping the elderly and busy passersby looking at the mobile phone. Indicating them the position of the traffic light.



Roundabouts

Sensors in roundabouts, alerting drivers seeking to join it by lighting up its perimeter

Flow management

Sensors to detect different types or users (pedestrians, cyclists, skaters) and direction of flow to lead them properly through light marks on the ground.



HOW IT WORKS

SLI & SMART ROAD

The Smart Road system detects the vehicle, lighting up and turning off, when there is no traffic.

Incorporating led signalling system and smart communication applied to urban mobility contribute to a new sustainable and efficient mobility infrastructure in cities.



¿Would you like
to have more
information
about SLI
system?

MORE INFORMATION

STEPVIAL

C/ Magdalena Blay, 1 bajos
Montbrió del Camp, 43340
(Tarragona)

+34 977 833 462
info@stepvial.com
www.stepvial.com