

Futura SmartCrossing

Pedestrian Smart Crossing

Comprehensive Pedestrian Crossing System



TECHNICAL SUPPORT



ACTIVE IN SECURITY SOLUTION



ACCESSIBILITY SOLUTION



FULLY CUSTOMISABLE



RELIABILITY AND ACCURACY



SOLAR POWER SUPPLY OPTIMISED



LOW MAINTENANCE



HIGH MECHANICAL AND ENVIRONMENTAL RESISTANCE

◆ GUARANTEE

Standard 2 years (expandable).

Please refer to the specific warranty certificate for further details on the conditions.

◆ CERTIFICATIONS

2014/35/UE, LVD - Low Voltage Directive.

2014/30/UE, EMC - Electromagnetic Compatibility Directive.

2014/53/EU - RED Directive, radio equipment (for versions with wireless communication)

Industrias Saludes, S.A.U. and Traffic Futura, S.L.U. are ISO9001 certified by AENOR.

All our products are delivered with their corresponding CE conformity declarations. CE marking.



OUR MUST-HAVE SMART CITY SOLUTION TO IMPROVE ROAD SAFETY AT PEDESTRIAN CROSSINGS.

Last generation system that decisively reinforces the conventional signage and lighting of pedestrian crossings by integrating the latest advances in electronic signage, beaconing and lighting. It is modular and fully customisable according to the requirements of each project.

The standard configuration includes electronic warning traffic signs, recessed electronic beacons, traffic lights, acoustic warning devices, LED luminaires and state-of-the-art presence detectors. All elements can be automatically activated by the detectors when they identify a potential risk (pedestrian crossing or vehicle approaching), warning drivers and pedestrians. It offers maximum reliability, acting only when necessary and reducing incidences of false alarms.

Particularly suitable for working in extreme environments. All components are manufactured with high quality materials in compliance with regulations, and integrate harmoniously into any scenario, with no cables accessible or in sight. Easy maintenance at reduced costs.

Multiple power supply variants, optimised for solar power supply.

◆ USE

Pedestrian crossings in urban and accident-prone areas.

◆ UTILITY

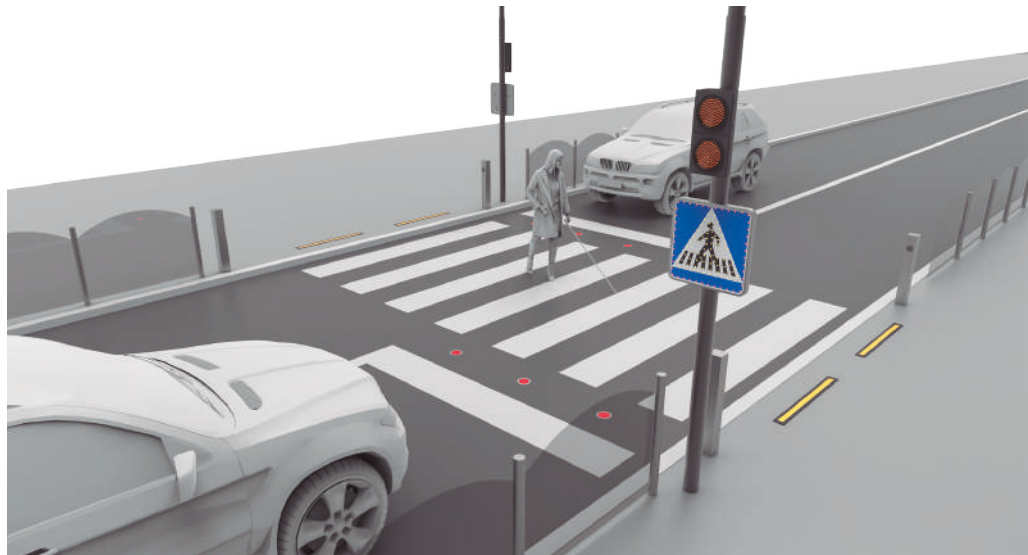
It makes an important contribution to the move towards friendlier and safer cities, especially for the most vulnerable users.

◆ INTEGRATIONS. CONNECTIVITY

Possibility of integrating a traffic light unit with Futura TFL LED optics and electronic beaconing for visual reinforcement of the pedestrian crossing on the same column.

Synchronisation between wired or radio-frequency signs.

Optionally integrable in Cloud platform.



► **TECHNICAL CHARACTERISTICS: Futura SmartCrossing**

PEDESTRIAN SMART CROSSING Completely modular and fully customisable solution according to the needs of each project. The default system includes:

- The use of any sign from the IS/TF catalogue.
- The use of any traffic light.
- The use of any street light.
- The use of any beacon.
- The use of any detector, (volumetric IR, radar, photoelectric barrier, ultrasonic, inductive loops, camera with video analysis or others).

STANDARD CONFIGURATIONS	SmartCrossing BASIC+	SmartCrossing MEDIUM+	SmartCrossing ADVANCED+
Sign	LED Electronic Sign Futura SRL S-13	LED Electronic Sign Futura SRL S-13	LED Electronic Sign Futura SRL S-13
Traffic Light	No	No	Yes
LED Street Lights	No	No	Yes
Beacons	No	Futura ZOMBI amber / Futura BLS	Futura ZOMBI amber / Futura BLS
Containment Barrier*	No	No	Yes
Detection System	Volumetric curtain sensor.	Volumetric curtain sensor.	Directional detectors integrated in bollards.
Synchronisation	Radio frequency / Light sensor.		
Others	Aluminium column, colour to choose.		

CONTROL UNIT External, on the back of the sign (solar or battery powered versions), easy access, maintenance and configuration (highly customisable). Clean and safe installation, no visible or accessible cables. IP65 protection level.

SYSTEM ACTIVATION Only in the certain presence of pedestrians or vehicles. Permanent or on demand, depending on different events: sensors, timers or project requirements.

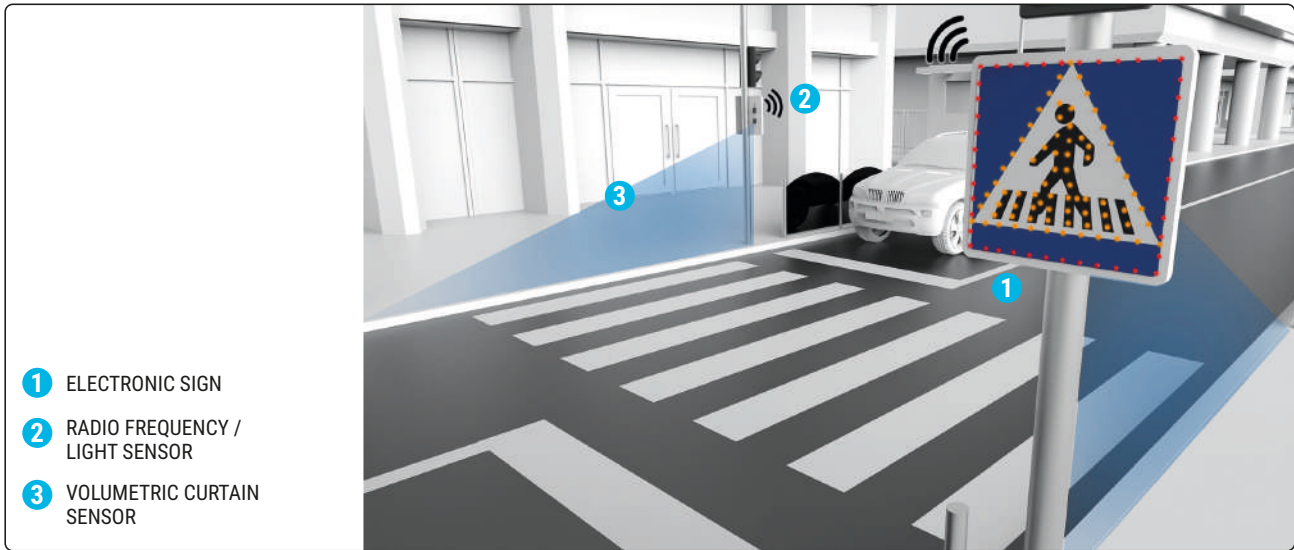
OPERATING SPECIFICATIONS	
Time Control	Possibility of time control by means of real-time clock, with calendar and activation time scale table.
Data	Event logging, counters and statistics.
LED Street Lights	Brightness control of the associated LED street lights, increasing the brightness when a detection event occurs and reducing it to safe levels when idle to optimise lighting energy savings.
Audio	Possibility of audio warning broadcasting.

POWER SUPPLY Solar energy, up to 14 days of autonomy (depending on solar zone and operating pattern). Includes: solar panel, rechargeable battery, digital charge controller. To the mains (single-phase 230VAC or 42VAC). To the public lighting network (with battery and 230VAC night recharge). Direct to 12VDC or 24VDC.

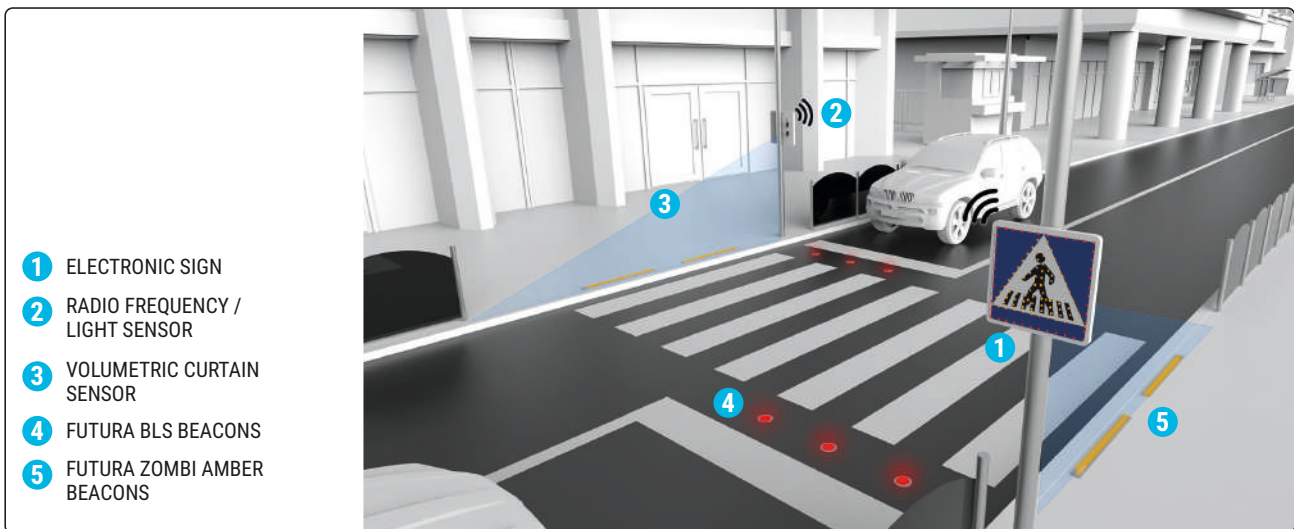
* Recommendation to delimit the entrance/exit paths to the pedestrian crossing using Industrias Saludes' Europa model containment modules. This reinforces safety at pedestrian crossings, preventing the intrusion of pedestrians onto the roadway in places that are not permitted, dangerous or of low visibility.

NOTE: The detailed technical characteristics of each element integrated by the system in each project can be consulted in their respective technical data sheets.

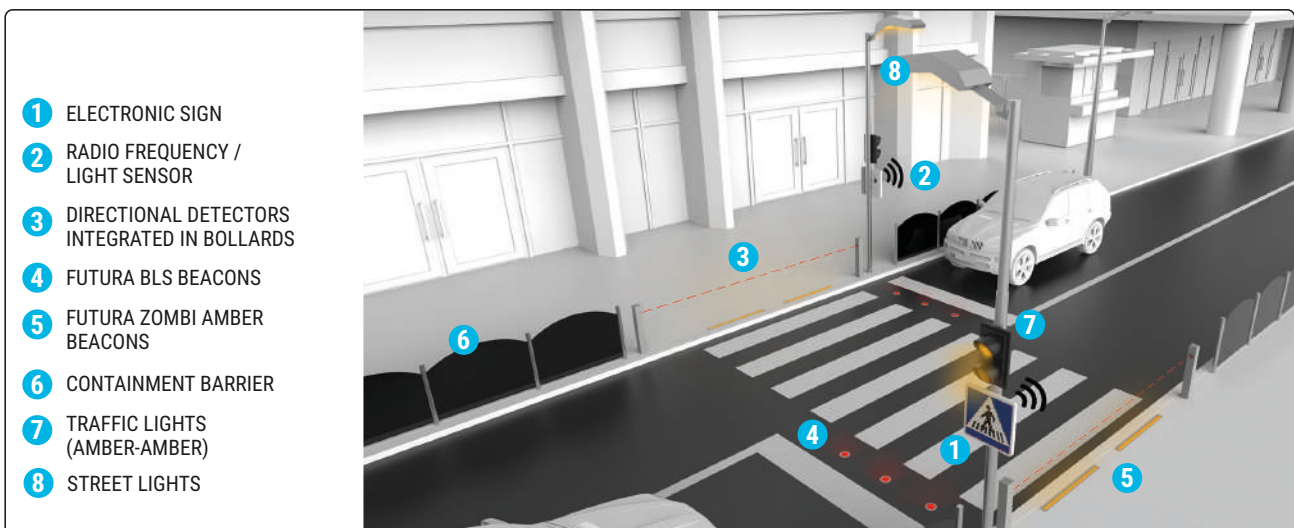
▶ POSSIBLE CONFIGURATIONS (fully customisable): Futura SmartCrossing



SmartCrossing BASIC+ configuration.



SmartCrossing MEDIUM+ configuration.



SmartCrossing ADVANCED+ configuration.