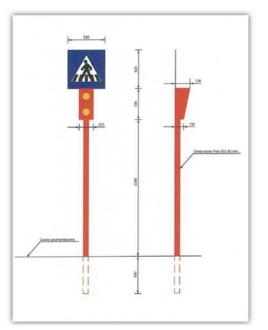
### P.S./INTELLIGENT CROSSINGS" SYSTEM SOLUTIONS COSTS AND DESCRIPTIONS

#### • INTRODUCTION:

The Service S.r.l. offers state-of-the-art technological solutions, qualified resources and a wide range of services, including "INTELLIGENT P.S./ CROSSINGS ".

#### **WINTELLIGENT P.S /CROSSINGS" SYSTEM**



"P.S./Intelligent Crossings' is a signalling system for pedestrian crossings not already covered by traffic lights

It complies with all road safety regulations. The idea of "P.S./ INTELLIGENT TRAFFIC" is protected by patent no. 1370960.

It is internationally recognized and matches with the Italian Highway Code.

"P.S./Intelligent Crossings', the principle is to alert but not habituate motorists, increases pedestrian safety and enhances road safety.

"P.S./Intelligent Crossings" was born out of the consideration that the pedestrian, about to cross the road, may not catch the attention of the motorist who, coming suddenly upon the road,

may find himself in a situation where he has to cross the road having to carry out manoeuvres that are dangerous to themselves and others.

"P.S./Intelligent Crossings" performs an early warning and signalling action at the moment when the pedestrian approaches the pedestrian crossing and attracts the attention of the motorist.

It contributes to improving drivers' compliance with the Highway Code, with a view of cooperation between the road owner, the driver and the pedestrian, whose safety is better protected.

"P.S./Attraversamenti Intelligenti" is an original idea conceived, engineered and produced in Italy; a system designed to be perfectly integrated into street furniture (International Patent no. 1370960).



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# **P.S./INTELLIGENT PROCESSING: Basic Solution**

The "P.S./Intelligent Crossings" system in the <u>"Basic Solution"</u> consists of:

✓ No. 2 orange galvanized posts to be positioned at the crossing, one for each direction.

# Each pole is equipped with:

- o 60x60 cm. sign Fig. no. 303 Highway Code 'pedestrian crossing', n°2 lampade LED 32 diodi;
- or each pole, high intensity amber and integrated photocell with guaranteed operation at temperatures between -20°C and +60°C;
- ✓ No. 2 columns of 1 mt. in height;
- ✓ No. 2 watertight boxes to contain the cards (which interpret the signals coming from the photocells and activate, for a period of time, the switching on of the poles), all wireless cards, in the upper part photovoltaic panels.
- Boards for P.S./Intelligent Crossings operation are sold separately.



The central body of the system will be positioned close to the pedestrian crossing, by means of two signal poles, one on each side of the crossing, equipped with photocells which, when the pedestrian approaches, will trigger the entire control and management system of the flashing lights.

The signal reaches the poles positioned at the zebra crossing, intermittently activating the LED lamps to alert motorists to the presence of pedestrians.

The signage component of P.S./Intelligent Crossings is managed by a microprocessor system in each installed device. (see photo)

# ECONOMIC OFFER DETAIL FOR P.S./INTELLIGENT PROCESSING (Basic Solution)

Purchase cost of the system described above is equal to:	€ 2.145,00	+ VAT
Cost of Purchase of 1 card needed for operation:	€ 455,00	+ VAT



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Cost of purchasing 3 TX / RX cards needed for operation:

# • P.S./INTELLIGENT PROCESSING: "Ideal Solution"

## The "P.S./Intelligent Crossings" system in the "Ideal" solution consists of:

- n°. 2 orange galvanized posts to be positioned at the crossing, one for each direction;
- ✓ Each pole is equipped with:
- 60x60 cm. sign Fig. no. 303 Highway Code "pedestrian crossing";
- No. 2 high intensity 32-diode LED lamps per pole, amber-coloured with integrated photocell with guaranteed operation at temperatures between -20°C and +60°C;
- No. 2 columns of 1 mt. height;
- No. 4 watertight boxes to contain the cards (which interpret the signals from the photocells and activate, for a period of time, the lighting of the poles) all wireless cards, at the top, photovoltaic panel.
- Boards for P.S./Intelligent Crossings operation are sold separately;
- No. 2 orange galvanised poles to be positioned approximately 40 metres from the pedestrian crossing, one for each direction;
- Each pole is equipped with:
- 60x60 cm. sign Fig. no. 103 Highway Code 'pedestrian crossing';
- n°.2 x 32 diode high intensity amber LED lamps per pole;
- The central body of the system will be positioned close to the pedestrian crossing, by means of two signal poles, one on each side of the crossing, equipped with photocells which, when the pedestrian approaches, will trigger the entire control and management system of the flashing lights;
- The signal reaches both the poles positioned at the pedestrian crossing and the poles positioned about 40 metres from the crossing itself, intermittently activating the LED lamps to alert motorists to the presence of pedestrians.
- The P.S./Intelligent Crossing signage component is managed by a microprocessor system in each installed device microprocessor system in each installeddevice.



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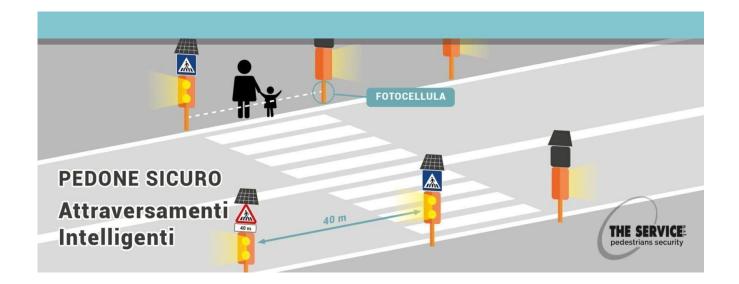
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# ECONOMIC OFFER DETAIL FOR S.P./INTELLIGENT CROSSSINGS (Ideal Solution)

Purchase cost of the system described above is equal to:	€ 3.927,00	+ VAT
Cost of Purchase of 1 card needed for operation:	€ 455,00	+ VAT
Cost of purchasing 3 TX / RX cards needed for operation:	€ 185,50	+ VAT /cad.



• P.S./INTELLIGENT TRAFFIC: <u>"Complete Solution".</u>

# The P.S./Intelligent Crossings system in the "Complete" Solution consists of:

✓ No. 4 orange galvanized posts to be positioned at the crossing, one for each direction.



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- ✓ Each pole is equipped with:
- 60x60 cm. sign Fig. no. 303 Highway Code "Pedestrian Crossing";
- No. 2 high intensity amber-coloured 32-diode LED lamps for each pole and integrated photocell with guaranteed operation at temperatures between -20°C and +60°C;
- No. 6 watertight boxes to contain the boards (which interpret the signals coming from the photocells and activate, for a period of time, the lighting of the poles) all wireless boards, in the upper part photovoltaic panel.
- Le schede per il funzionamento di P.S./Attraversamenti sono vendute separatamente;
- n°. 2 orange galvanized poles to be positioned approximately 40 metres from the pedestrian crossing, one for each direction.
- Each pole is equipped with:
- 60x60 cm. sign Fig. no. 103 Highway Code 'pedestrian crossing';
- 2 x 32 diode high intensity amber LED lamps per pole.
- ✓ The central body of the system will be positioned close to the pedestrian crossing, by means of 4 signal poles, two on each side, with respect to the crossing, equipped with photocells which, when the pedestrian approaches, will activate the entire control and management system of the flashing lights.
- ✓ The signal reaches both the poles positioned at the pedestrian crossing and the poles positioned about 40 metres from the crossing itself, intermittently activating the LED lamps so as to alert motorists to the presence of pedestrians.
- ✓ The P.S./Intelligent Crossing signage component is managed by a microprocessor system in each device installed.

# ECONOMIC OFFER DETAIL FOR SAFE PEDESTRIAN (Complete Colution)

Purchase cost of the system described above is equal to:	€ 6.086,00	+ VAT
Cost of Purchase of 1 card needed for operation:	€ 455,00	+ VAT
Cost of purchasing 3 TX / RX cards needed for operation:	€ 185,50	+ VAT /cad.



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### ✤ P.S./INTELLIGENT CROSSINGS" CARDS:

- The main management board, which is inserted in the master pole of each system, thanks to the microprocessor allows to:
  - Enable the outputs for switching on the LED lamps used in the system;
  - Transmit ignition to devices that can be reached via wireless and powered by a photovoltaic panel;
  - The flashing lights are activated only when needed; in the absence of pedestrians, they
    remain off (in stand-by);
  - This allows the attention of motorists to be captured at all times, avoiding any habituation effect caused by continuous light.

### **WARRANTY**:

All "P.S./Intelligent Crossings" system solutions are guaranteed for 2 years. are guaranteed for 2 years.

### **LIST OF OTHER COMPONENTS:**

Detailed costs for any other components of the System are given below "P.S./Intelligent Crossings

LED light box with backlit fig. 303	€ 355,00 + VAT /cad.
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## Thank you for your attention and best regards.

Bergamo (Italy), \_\_\_\_\_

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