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2020

TrialSystem Project Smart Cities



TrialSystem[®]
Urban Technology Products

TSystem is intelligent road signage, because it “speaks” to your Smartphone





TSsystem, is an innovative road signs posts cover in recycled pvc, which transforms them into “intelligent” structures. Through the introduction of a series of mobile-friendly tags, the sign post becomes a new communication medium which enables local authorities and private enterprises to relay directly onto the Smartphone of road users, information on places, events and even promotional offers.

TSsystem can transform signs poles of different dimensions and materials into an interactive signage system, using the latest advancements in mobile phone technology to transform the visual message into a dynamic communication form.





TSystem the only road signs pole cover that communicates and informs

TSystem is the only road signs poles cover specially designed to enable communication through smart phone (Android and Iphone) technology. Produced in Italy and made with recycled PVC, it can cover road signs poles from top to bottom, thus enhancing the aesthetics of the city. It comes equipped with up to three intelligent tags, which, when combined and activated, provide a unique information point as well as a regular source of income.

The IBeacon, housed in the upper part of the structure, offers active communication to people within 50 metres of the device. It is therefore ideal for proximity marketing campaigns, enticing shoppers who are already in the vicinity with special offers that have a very limited expiry deadline.

The NFC Tag, which, when in close contact with the Smartphone screen, sends and receives images and information of tourist routes, cultural attractions, maps, museums, restaurants, businesses, geo location.

The Qrcode is a non-interactive sticker which, when in contact with the Smart phone, sends to the phone some information on a specific event or organization. By regularly updating the inclusion and removals of **QrCodes**, **TSystem** becomes in effect a new advertising medium which can generate regular income.



Look Monza
Smart City





TSystem, the advantages on the road

Safety

- Its **triangular design**, its blunted edges and its structural characteristics **reduce the severity** of impact in case of a crash.
- The reflectors at the base of the structure **warn the presence of the obstacle during night time**.
- **The colour** enhances the visibility during day time.

By adding mobile technology, it is possible to contact the emergency services. It can be combined with CCTV to monitor areas with a high concentration on people, such as camping sites, car parks, commercial centres.



Information

The information on three sides (logos, wayfinding, even in several languages or in **Braille**) will help city dwellers and tourists.

Street furniture

The unique design enhances all surrounding areas and helps to **coordinate traffic signage and advertising panels**.



TSystem: one product

TSystem is a original product and it can be bought by only one supplier as no simalar products exist in Europe.





TSystem broadens communication horizons

As well as being the ideal instrument to communicate on the road, it can also be useful in parks, sport centres, near schools, at bus stops, in airports, rail stations and hospitals.

TSystem is also a great way to inform and communicate in shopping malls, where it helps to indicate preferential routes, entrances, departments, services and even parking locations. When installed in car parks **TSystem** is an ideal way to inform shoppers of special offers and coupons redemptions.



Evacuation system for tourist facilities

TSystem Security Point is the ideal solution to bring up to standard the safety of camping sites, theme parks, holiday resorts, ecc.) of any type or size by improving the alarm system and facilitating a more efficient evacuation of the premises.

TSystem, Security Point placed along the usual and most frequented routes, enable:

- An immediate visual identification of the danger zone through a flashing light
- The emission of an acoustic signal to raise the alarm
- The emission of a vocal signal to report the emergency

Available options:

Emergency lighting in case of power black out IP network cameras for remote monitoring and recording of the events.





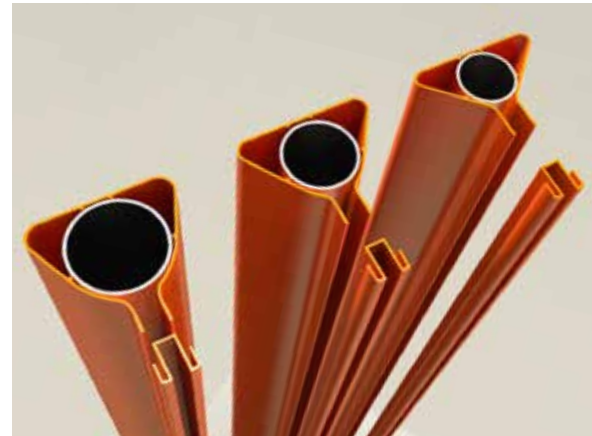
SISTEMI EVACUAZIONE CAMPESGHI
Decreto Ministeriale 28 Febbraio 2014
e Circ. Prot.n°0011002 del 12/9/2014



Shapes and dimensions

The industrial patent covers the usage of various types of material (plastic, rubber, metal, carton) and different shapes, according to the final application (signs post, light pole, crossing lights, scaffolding, pedestrian barriers and others).

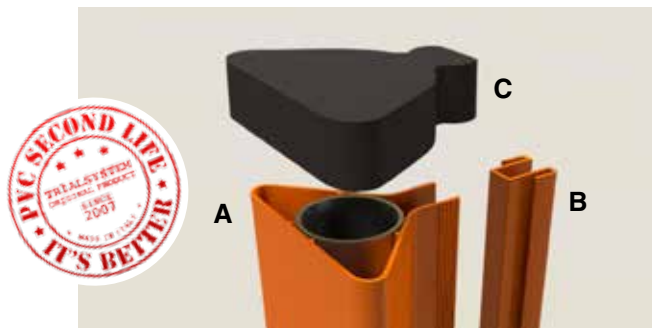
TSystem covers posts diameter 60 mm as standard, diameter 76 or diameter 89 on request and with minimum production runs.



Components

TSystem comprises of three elements:

- a) Triangular shape** pole cover with open corner, whose two extremities host the omega profile
- b) Self-locking, double section omega profile**, blocked through insertion into the cover opening
- c) Protective cap**



Materials

- Structure and internal profile: recycled PVC. Cap: polyamide 6, 30% glass fiber, black
- Reflective bands on certified reflective film
- Pre-spaced, permanent writings on vinyl for external usage
- Logos 4 colours on vinyl plus UV coating for external usage

Colours, technical characteristics

TSystem is available in a wide range of colours to cater for all in the environment and street furniture.

- **11 options** in the Ral charts as standard, even metallised.

- **For non-standard RAL colours**, a min., production run of 1000 metres is required

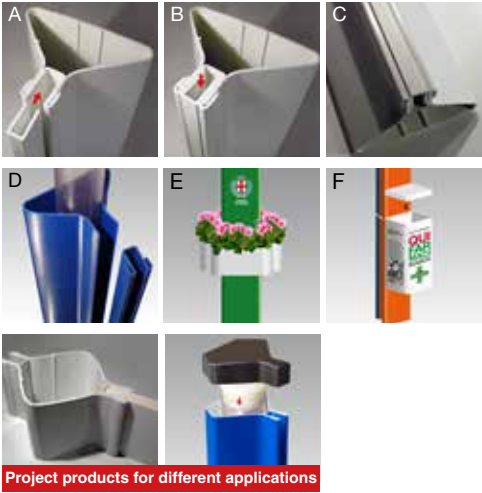
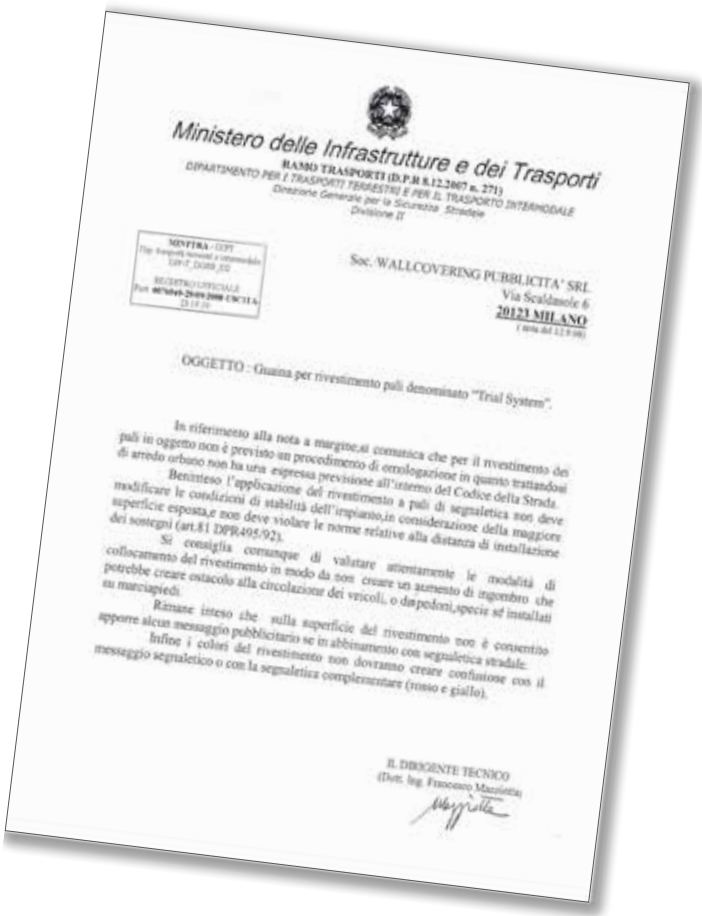


Accessories

- The first series of pictures **A-B-C** shows the dual function of the “U” closure: the structure is reinforced whilst creating at the same time a cavity for the insertion of electric cables. For a permanent closure use suitable adhesives per PVC, such as Tangit or Saratoga.

- Image **D** shows a new option, the possibility of replacing a metal post with a post in acrylic resin, resistant to bending and pressure for increased safety

- Image **E** and **F** show two street furniture accessories: the flower pot in plastic to surround the post and the container for differentiated refuse (batteries, medicines, dog litter, etc.)



-  **EASY TO INSTALL**
-  **NOT REQUIRED MAINTENANCE**
-  **RESISTANT TO EXTERNAL AGENTS**
-  **FIREPROOF AND FLAMEPROOF**
-  **RESISTANT -40 ° / + 60 °**
-  **NON-CONDUCTING**
-  **LIGHT AND HANDY**
-  **PRODUCT RECYCLED AND RECYCLABLE**

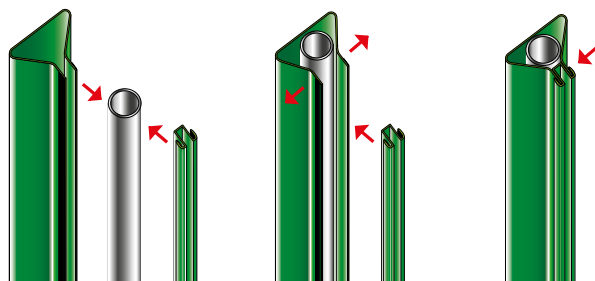
Pre - Installation procedure

1. Measure the height from the ground to the top of the post
2. Measure the height from the ground to the base of the sign
3. Cut TSystem in the front part, from the base of the sign (plus 3cm) to the top of the post, bearing in mind that
 - the signs must overhang the cutting of Tsystem by 3 cm and
 - the two sides at the back must continue until the top of the post plus 3cm to allow the closing with the cap.



Installation

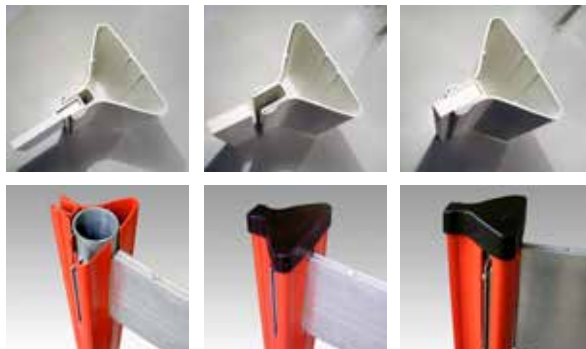
1. Take the cover, enlarge the two extremities in the upper part and apply it to the post, wrapping it completely without removing the sign
2. Insert the double U profile, starting from the upper part downwards, put pressure until tightly closed
3. Close with the cap.





Installation of flag signs

The images show the installation in the hollow part of TSystem of **signs of different thickness** and material for flag signs.



Reference Case History

The images are evidence of numerous installations carried out both in Italy and in Europe.



Buccinasco



Alessandria



Monza



Benevento



Segrate



Riccione



Sanremo bicycle path



Parking Nerviano



Alessandria



Chieti





Auchan Nerviano



Legnano



Monza signage / totem



Riccione bicycle path



Asstray



Saronno



Video camera camping



Avis Aeroporto Palermo



Timisoara



Piedibus Misano Adriatico



Monza



Via Francigena



Sofia



Bicycle path



Via Francigena/Toscana



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