
Webinar-Smart City Concept

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Smart Solution

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TECHNIC SMART SOLUTIONS

Index

- Introduction: Smart ALL & I.O.T.
- Mission – Vision
- Channel policies

- Our portfolio:
- **Services**
 - 1) Infrastructure design
 - 2) Start-up
 - 2) help desk 7/7
- **Products**
 - 1) Modular pole
 - 2) Smart node
 - 3) Access Management
 - 4) Cloud Dashboard
 - 5) Vertical IOT applications
 - 6) Portal & APP geolocated services
 - 7) Our bundle & device



Introduction: Smart ALL & I.O.T.

“Smart” is a very broad concept and not just a technological one.

Smart City, Smart Factory, Smart Home: this is a digitization process that improves the lives of users and aims to increase the values of sustainability, livability, attention to the environment and economic dynamism.

Smart City also means innovative technologies for the citizens with an improvement in everyone's life, carried out in harmony and with an ethics that is the development of a common good and environmental sustainability.

The Smart City was born in 1870-1880 with the invention of Thomas Alva Edison in cooperation with the englishman Joseph Swan, and perfected by the Italian **Arturo Malignani (Udine)** who invented the bulb for city lighting. The first electricity distribution networks were built. The first illuminated cities were New York, Paris, Milan and small Udine in 1883.

One of the main characteristics of the Smart City is the progressive increase in "multifunction projects", which integrate and share in part or in whole different technologies, all connected by IP networks via optical fiber or by using radio links.

The transversality of the IOT applications allows to make targeted investments also on specific application areas, increasing the satisfaction and safety of the citizen, providing positioning and localization data of people at risk and measures such as humidity control, pollution air and river levels.

Vision e Mission

Vision

Our **Vision** is to make available to designers and cities system integrators, solutions and services that derive from experience gained in the field.

They are made commercial by optimization processes, developed by a team of specialized technicians. From the Italian suburbs of Cuneo, Technic Solutions who first perceived the need to create aesthetic, functional and easy to install solutions for Smart Cities.

Mission

Our **Mission** is to facilitate the integration between multinationals and artisans by designing hardware and software integrations, structuring multi-company production chains to guarantee quality and scalability of services and solutions.

Channel policies

Security and design simplification

Both on a physical and an application level, our offer helps **Partners** to secure their network infrastructure, with **solutions and services that manage access and specifically designed components** (multi-socket racks, pre-wired electrical panels, I/O cards)

Our solutions can represent a strength and a competitive advantage for any public or private project. For this we mainly turn to:

System integrators

Distributors

Designers

City

Our portfolio: services

Infrastructure design

Thanks to our internal technical study, starting from the analysis of the needs of our customers, we are able to offer services ranging from plant assessment to the implementation of the actual executive project.

Start-up

We are able to install any type of system until it is put into service.

Help Desk 7/7 24h

Thanks to our support team we can offer 24/7 technical support for any problem on the system, providing assistance contracts specifically designed for the needs of each of our customers.

Our portfolio: products

Modular Pole

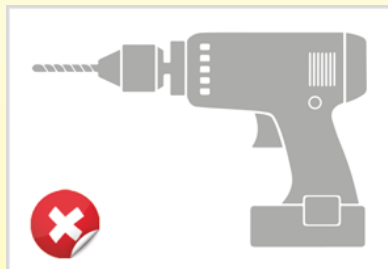
Technic Pole is composed by rounded square (or round) forms of different types and sizes, designed to contain the plant inside.

It develops modular solutions, with modules and brackets accommodating various devices.

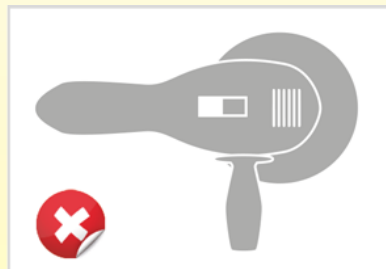
The electronic devices are located in specific internal boxes with adequate ventilation, with the wiring completely hidden inside the structure, minimizing visual pollution.



Simple to install... as a lego



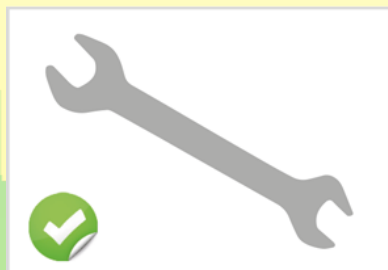
NO TRAPANO



NO FLESSIBILE



NO SALDATURA



CHIAVE INGLESE



CACCIAVITE



BRUGOLA



Our portfolio: products

Our bundle & devices

Depending on the features you want, you can choose the most effective device configuration:

- City video surveillance and traffic management
- ZTL gate management for city centers
- City Wi-Fi in pre-established areas
- Access control to the pole
- S.o.s columns
- E-Bike recharge and Electric car recharge
- Public lighting with LED light
- IoT sensors for temperature-air quality detections
- IoT sensors for RTLS detection of People-Goods-Vehicles



Example of installation Led Light and CCTV



Wind and Solar Energy Pole



Smart City I.o.T.

Localization of people at risk, old people, sick people



GPS map positioning



Indoor map positioning

Man Down 

Survey man down

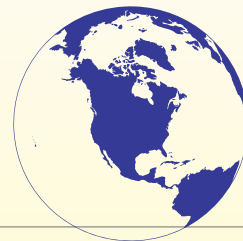


PEOPLE TRACKING

Smart City I.o.T.

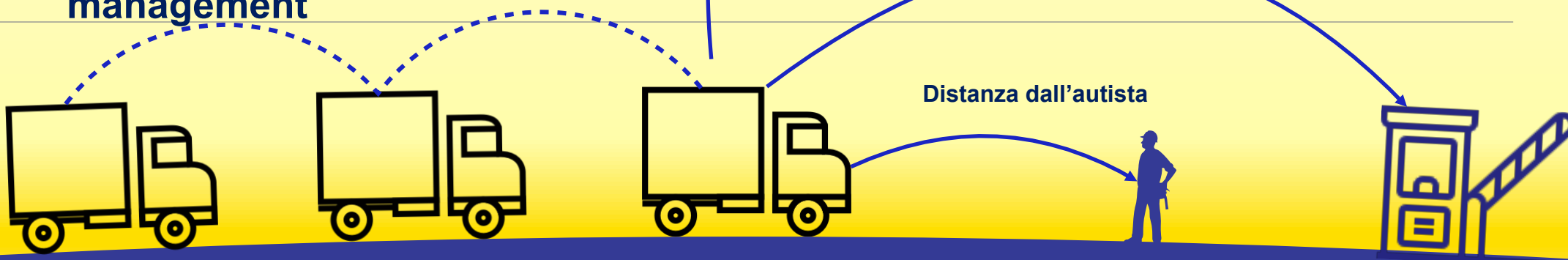
GPS location
detection garbage
trucks, ambulances,
police cars

Queue and production or
assembly lines
management



GPS map positioning

Precision positioning for gates,
bays and parking lots



VEHICLE TRACKING

I.o.T. Tag for People, Goods, Mobile Vehicles tracking

Lora technologies Wan-868Mhz.-NBloT-GPS-UWB Indoor ed Outdoor



Our portfolio: products

Smart node

PRE-WIRED SYSTEM PANEL:

It contains the power supply kit, the switches and the I / O electrical board.

I/O ELECTRICAL BOARD:

It is the nerve center of the whole system composed of dedicated microprocessor electronics.



Through a prior registration on the **Cloud**, each time the pole is accessed, the system detects who is trying to access and above all if it is authorized to do so.

All this allows the system to fully respect:

Art.23 GDPR (UE/2016/679):

- a) pseudonymisation and encryption of personal data;**
- b) the ability to ensure on a permanent basis the confidentiality, integrity, availability and resilience of treatment systems and services;**
- c) the ability to promptly restore the availability and access of personal data in the event of a physical or technical accident;**
- d) a procedure to test, verify and regularly evaluate the effectiveness of technical and organizational measures in order to guarantee the safety of the treatment.**

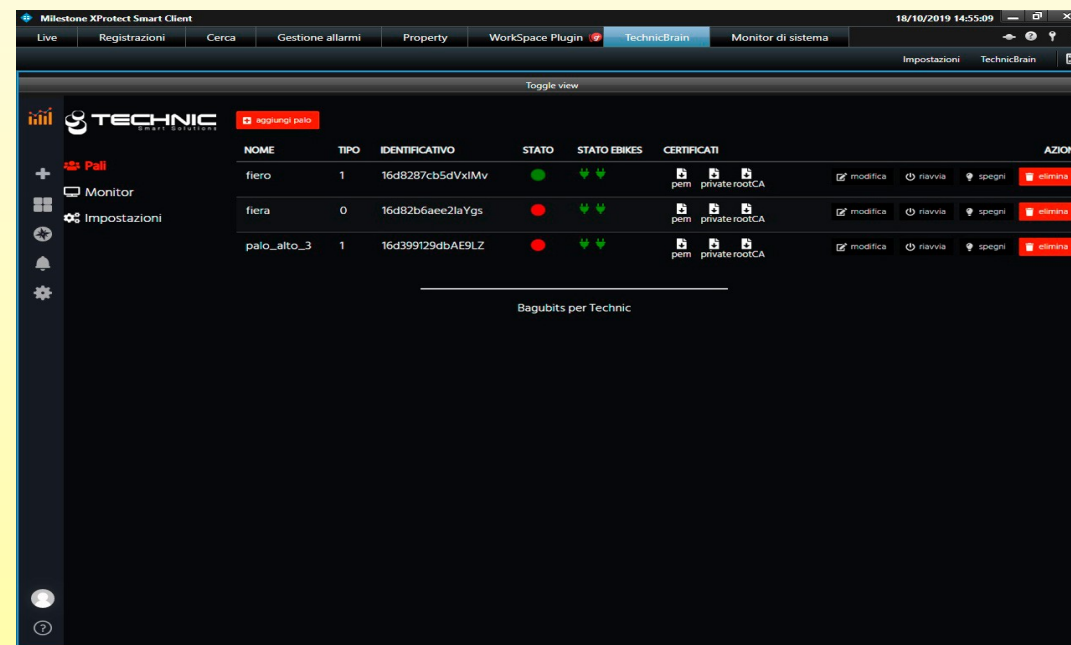


Our portfolio: products

Dashboard in cloud

The **dashboard** allows access to administrative services to manage different information (system configuration, device management: switching on and off lamps, switch restart, enabling of the sockets).

Its infrastructure is based on a two-way operation in which the system **receives data** and **sends commands**.



Control Room CCTV

The interface viewable within the **Control Room** allows you to:

- Real time monitoring of the alerts and the registered devices
- Performing research and creating reports



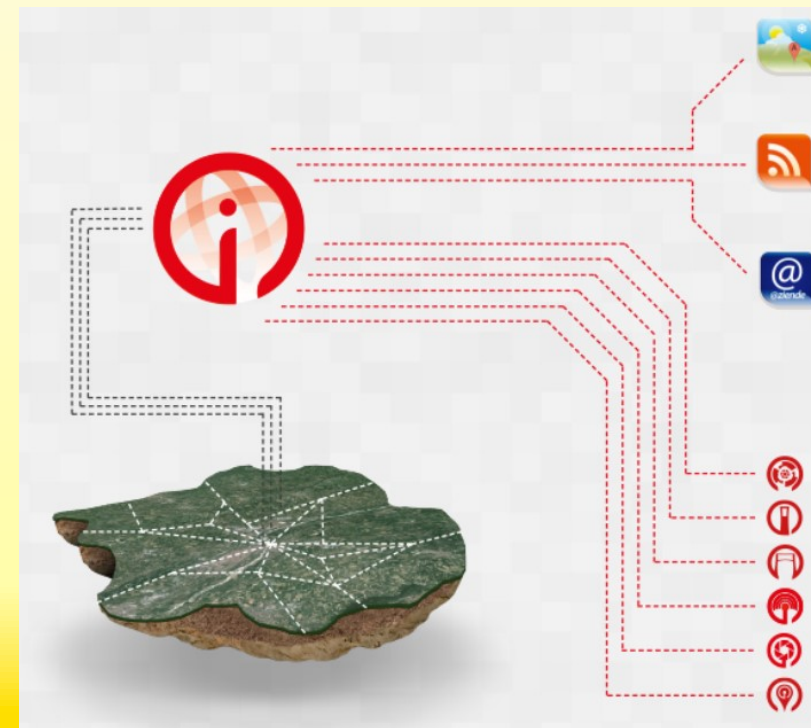
Our portfolio: products

Portal & App: geolocated services

Through our solutions, **Technic partners** can offer to their customers (or citizens) a series of services that are conveyed in the **Info-gate portal**. Our project aims to encourage technological development through the provision of areas equipped with:

Totem Multimediali
Hot spot Wifi
Web Cam
Charging stations

The services that we can offer range from the possibility of loading the Ebike to the access at news or weather services on the App or on multimedia Totems distributed throughout the territory, free Wi-Fi, etc.



Thanks for your attention!

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