

The Smart Urban Platform

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Filippo Murroni, CTO Abo Data

A Smart City

What makes a city smart

- An efficient technological network that connect people and things
 - Generation of intelligence from integration of data
- Intelligent use of new technologies, respecting the environment
- ✓ Use performance indicators to compare policies, analyse results, reduce costs

Make the physical and digital worlds compatible

from the City Protocol Society

From the Internet of Things to the Internet of Cities

ABODATA

The Smart Urban Platform

Smart cities become part of the future Internet

People, Content, Services and the Internet of Things

IoT will change how we interact with the world around us

The city as a digital spatiality embedded into the physical space

Building, roads, vehicles and other infrastructures linked to applications

Speed is 25 mph

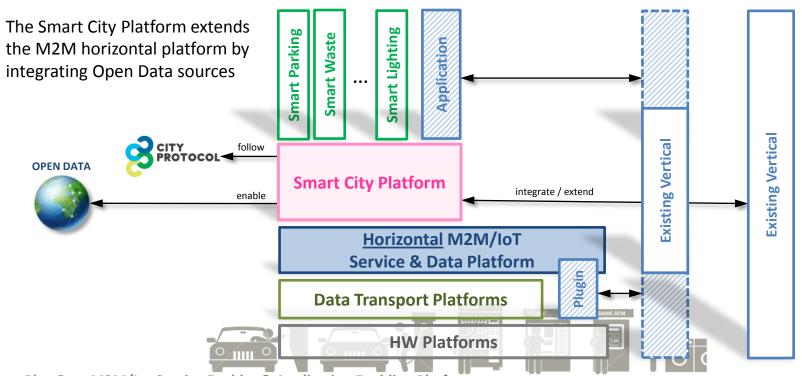
Data transport, data aware and application platforms

for creating a Smart City information space where smart tailored services and better

city management are delivered

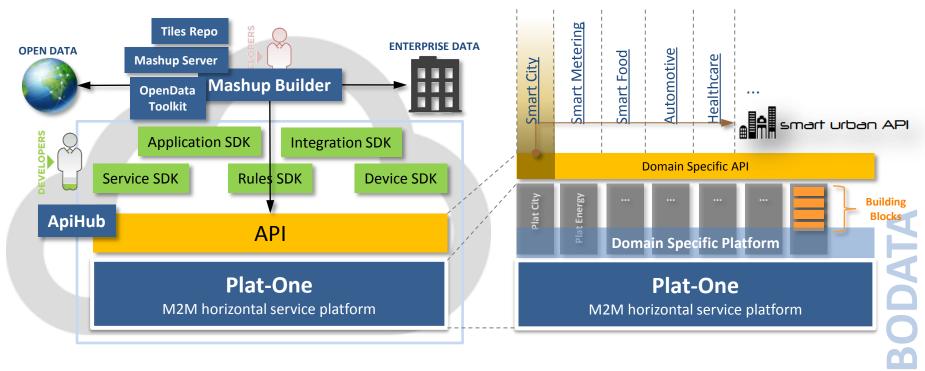
\Bus arriving in 1 min

SolutionsFrom Vertical to Horizontal to Domain Specific



Plat-One, M2M/lot Service Enabler & Application Enabling Platform

Plat-One Application Development Tools



Use Cases

Projects & Pilots

Actionable software

Parking and Lighting Deploy a pilot with 1,000 lightpoles and 360 parking spots.



ALSO networkfor EVERYTHING!

Multipurpose Network
Deploy an agnostic,
open urban network
based on 6lowpan

Spain

Integration of Systems
From close, vertical to
open, horizontal
approach.



Germany

Wi-Fi Hotspot Service Cover all touristic areas of the city

Italy

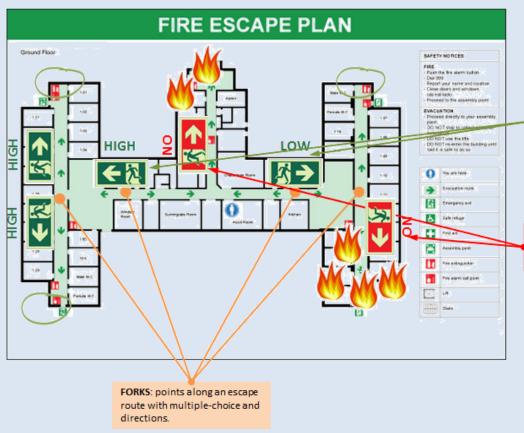
France

ABODATA

Electric Mobility & Car Sharing SELEX Catania



Escape Routes in Buildings



SEMAPHORES: dynamic indications for the ecape route to take along the way out

The density of people moving in that direction and the capacity of the escape route are used to calculate the ammount of people allowed in that direction.

OFF-LIMITS: points along an escape route where passage is prohibited.







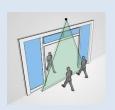












Dynamic Street Lighting



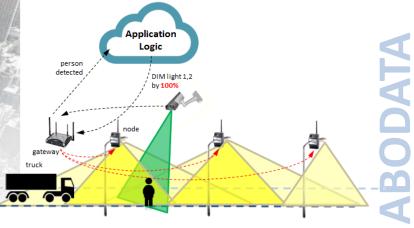
Municipalities want to manage the lighting infrastructure more efficiently, reducing the cost of one of the most expensive services in the city and intervene on environmental concerns such as CO2 emissions for a better life style.

Remote Lighting Monitoring and Control solutions, such as the ones implemented through Plat-One® help increasing efficiency, cutting down on maintenance and energy costs, and improving services to citizens.

Plat-One, M2M/lot Service Enabler & Application Enabling Platform

Functionalities include:

- Remote and secure device management, on/off or dimming based on customizable or environment conditions.
- Detection of lamp conditions: preemptive/predictive maintenance.
- Historical data reporting: energy consumption, voltage, etc.
- Integration with other smart city solutions (ie: camera surveillance for traffic monitoring)
- · Geo-referenced location of street lights.
- Street lamps clustering: scheduled operational services to group of lamps.
- more ...

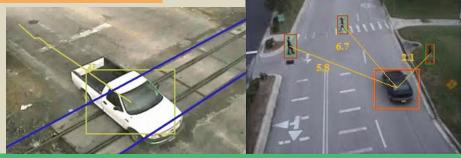


Vision-based Parking

Video camera and vision analytics for parking space detection

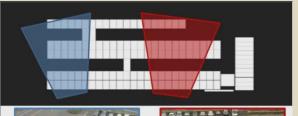


In collaboration with Ruhr Universitat Bochum and STI Microelectronics.



Security threat detection

Detecting people or vehicles moving from one area to another, or breaching in not allowed areas.











The Smart Urban Platform Enabling Smart Cities

In order for a smart city to provide advanced services and applications, all technologies and services in smart cities require horizontal open platforms and an ubiquitous ICT infrastructure enabling them. It is through a horizontal platform that the integration of different products allows to fully capitalize on the variety of connected objects and data which make up the cities we live in.

www.plat-one.eu

Machina Research

What they say about us ...

The Plat-One platform seeks to avoid the limitations inherent with legacy M2M platforms through the use of smart adapters and APIs, SDKs, an integrated developer environment, and a powerful rules engine. A notable differentiator is data traceability, so that users can be sure of (and control) the uses to which their data is being put, which is a critical concept for a fully-fledged Internet of Things environment.

The emergence of M2M/IoT Application Platform [Source: Machina Research, Sept 2013]

Read the full white paper





Machina Research
White Paper for ABO DATA



December 2013

Download the January 2013 white paper at



Filippo Murroni

CTO, Head of Research & Development

<u>filippo.murroni@abodata.com</u> www.plat-one.eu





