

THE CITY PARTNER OF INNOVATION

TORINO



The Aim

A new model of intra-city mobility that makes the current one obsolete

scaling

adoption

testing



THE INFRASTRUCTURE

Personalized - Open - Scalable

EXPERIMENTATION

PLATFORM

CYBER SECURITY

EDGE COMPUTING

5G

Private Partners



TORINO CITY LAB

Ministero dello
sviluppo economico

Main partners:

TIM

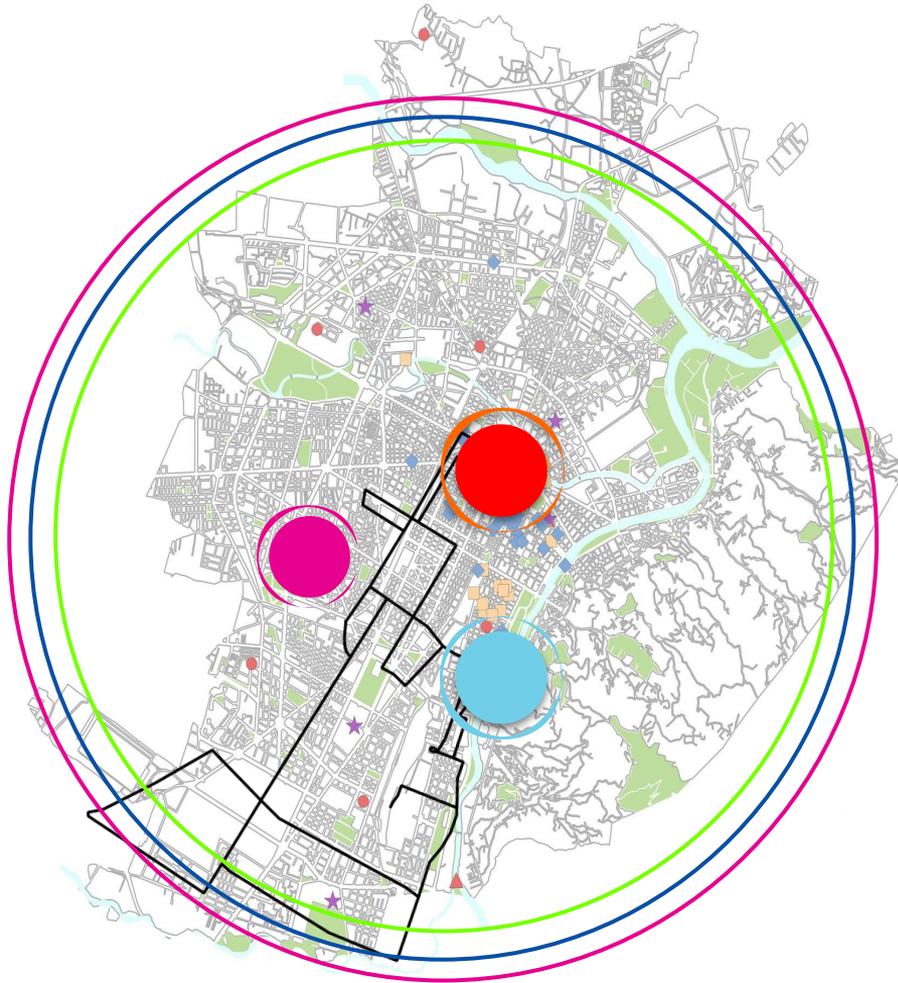


ITALDESIGN

OPINNO

IGPDecaux
comunicazione esterna

INTESA SANPAOLO
INNOVATION CENTER



Testing

The Infrastructure:



CYBER
SECURITY



5G



CLOUD

The Experimentation:



5G SERVICES



DRONES
DORALAB



AUTONOMOUS
CAR



ROBOTICS

Use Cases

Testing

TURINCOD DORALAB

Drone equipped with body scan control

TELESPAZIO

infrastructure monitoring with remote control drone

PHILOTEA

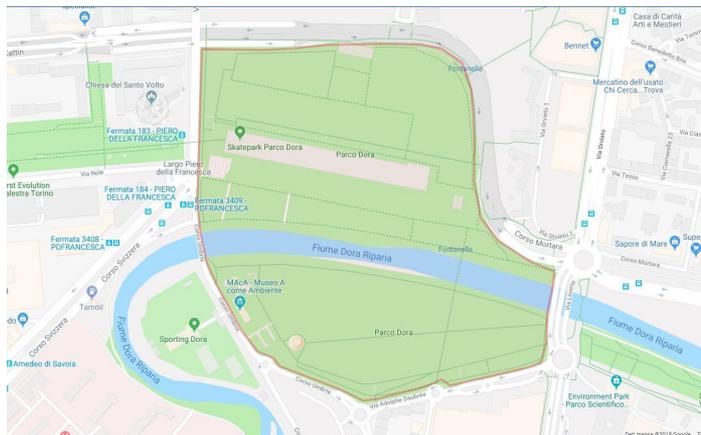
logistic biological material

O.M.S.

inspection and aerial mapping with infrared camera

DoraLAB

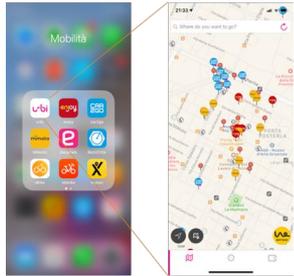
Dora Park will be the testing area for drones operations: it is an optimal area for its position, security conditions and technology infrastructure.



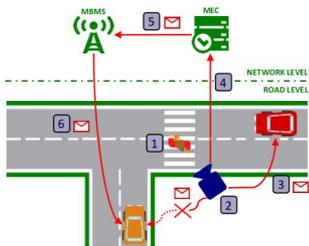
MOBILITY AS A SERVICE

Multi-modality solutions to encourage the use of sharing vehicles.

Coordination with the platform being developed in the iMove project (common partner, 5T, Torino Wireless).



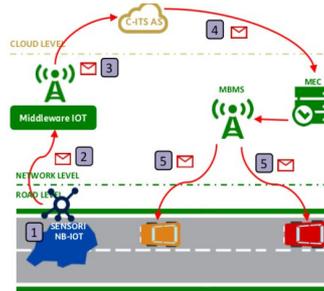
VULNERABLE USER WARNING



Use Cases

BLACK SPOT NOTIFICATION

The objective is to create a city network of real-time information of critical situations for the road system



GLOSA

The GLOSA (Green Light Optimal Speed Advisor) system allows you to determine the optimal speed for crossing traffic light intersections by minimizing or eliminating stopping the vehicle.



35km OF URBAN

Testing



Drone



2019



2018



First testing in
Piazza Vittorio

NOV

FEB

Infrastructures
monitoring

Use Cases
Definition

SEP

APR

a drone month
(5 events)

Project **Partners:**

- 3 Aerospace
- 1 University
- 3 Techno partner

SEP

TBD

Special
Transport
Missions

Drone Zone
Definition

AUG

TBD

Analysis of
inaccessible
Areas

San Giovanni's
Drones Show

JUN

ENAC
MoU

MAY

TBC

service s Last
mile logistic

Smart Road Project

Autonomous car testing in an urban context

NOV 2019

MAR

First testing in line with the Smart Road Decree

Remote control vehicle test in a public square (through 5G)

OCT

MAR

First Italian autonomous van testing in a closed area

Use Cases definition

SETT

MAY

HIGH speed test autonomous test

Project Partners

- 9 Automotive
- 7 Telecom
- 4 Universities
- 4 Association

APR

Smart Road Decree

MAR 2018

TBD

Autonomous Public Service



Smart Road Partners:



The Partners



Drones Ecosystem:



Technological Partners:





5GAA & Urban Air Mobility

 **5GAA** brings together **110 member** companies from the automotive and ICT industries with the aim of developing, testing and promoting vehicle communication solutions with the infrastructure

 **Turin** is the first PA to be part of it

 Since May 2018, **42 European** cities have joined the **Urban Air Mobility (UAM)** initiative.

 Supported by the European Commission

 Brings together cities and regions, citizens, industries, SMEs, investors, researchers and other Smart Cities actors.

 **Aim:** bring cities and Stakeholders across Europe together to carry out practical demonstration studies of urban air mobility solutions for citizen



THANK YOU

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