



## SOME V2X SCENARIOS



PLATOONING



ROAD SIGNS / ROAD WORKS WARNING



ROUNDBOUT ACCESS



SMART PARKING



WEATHER CONDITIONS



URBAN ENVIRONMENT / VRU



GLOSA

## OUR VALUE PROPOSITION

- . Definition of use cases / scenarios
- . Definition of test protocols
- . Scriptwriting with specific equipment
- . Setting ups of equipment and technologies
- . Vehicle Instrumentation
- . Monitoring and technical assistance
- . Authorization handling for open road tests
- . Data Recovery

## OUR EQUIPMENTS - INFRASTRUCTURE

- > Traffic Lights
- > Roadside Units (RSU)
- > Road Marking
- > Obstacles
- > Target Vehicles
- > Smart Parking Sensors
- > Vehicle Detection Sensors
- > Road Signals
- > Weather Conditions Management
- > Adult, Child, Bicycle dummies

- > Roundabout
- > Intersections
- > CityLab
- > Curves
- > Double lane...

## OUR TEAM

PhD, engineers, project managers, technicians, drivers...

## 5 REASONS TO WORK WITH TRANSPOLIS



- Customized test sessions
- Safe and Secured Environment
- Repeatability of test conditions
- Infrastructure / vehicle dialogue
- Confidentiality

## BUSINESS CASE : GLOSA GREEN LIGHT OPTIMIZED SPEED ADVISORY

### BENEFITS

1. Reduces Waiting and Stop Times
2. Reduces Unnecessary Acceleration in Urban Traffic

Save Fuel  
Reduce CO<sup>2</sup> Emissions  
Improve Safety

#### CURVE TESTING

verify the system when information is received wirelessly

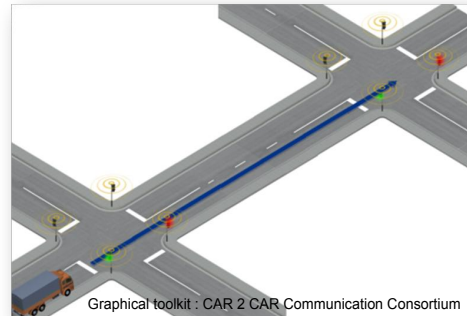
1.



#### MULTI TRAFFIC LIGHTS CROSSING

Test the optimal speed adaptation

2.



#### MULTI-LANE TRAFFIC LIGHT

Verify the correctness of the map-matching

3.



#### TIMING VARIABILITY TEST

Robustness assessment upon non-linear variability of time

4.



## REFERENCES & PARTNERSHIPS



IVECO

JTEKT

MGI COUTIER

NAVYO



SIEMENS



Membre du groupement ADAS de MOVEO



Membre de la communauté d'intérêt  
véhicule autonome de  
Michelin Challenge Bibendum



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