



# Alberto Brentegani

Operations Director

Autostrada Brescia Verona Vicenza Padova

23 November 2023



Co-funded by  
the European Union

# AUTOSTRADA BRESCIA VERONA VICENZA PADOVA AT A GLANCE



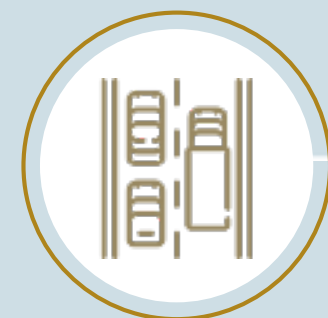
**235,6 Km**  
 MOTORWAYS UNDER  
 MANAGEMENT THAT CROSS **5**  
**PROVINCES**  
 +  
 60 KM OF RING ROADS  
 30 KM OF MINOR JUNCTIONS



**2**  
 MOTORWAYS  
**A4 BRESCIA-PADOVA**  
**A31 VALDASTICO**



**93.362**  
 AVERAGE DAILY TRAFFIC (ADT)  
**A4 BRESCIA-PADOVA**  
**17.948**  
 AVERAGE DAILY TRAFFIC (ADT)  
**A31 VALDASTICO**



## A4 Brescia-Padova

**> 100M** Passed vehicles per year  
**70%** Light vehicles  
**30%** Heavy vehicles

## A31 Valdastico

**> 20M** Passed vehicles per year  
**76%** Light vehicles  
**24%** Heavy vehicles



**69%**  
 Lanes equipped for  
 electronic toll collection

**73%**  
 Transits paid with  
 electronic toll



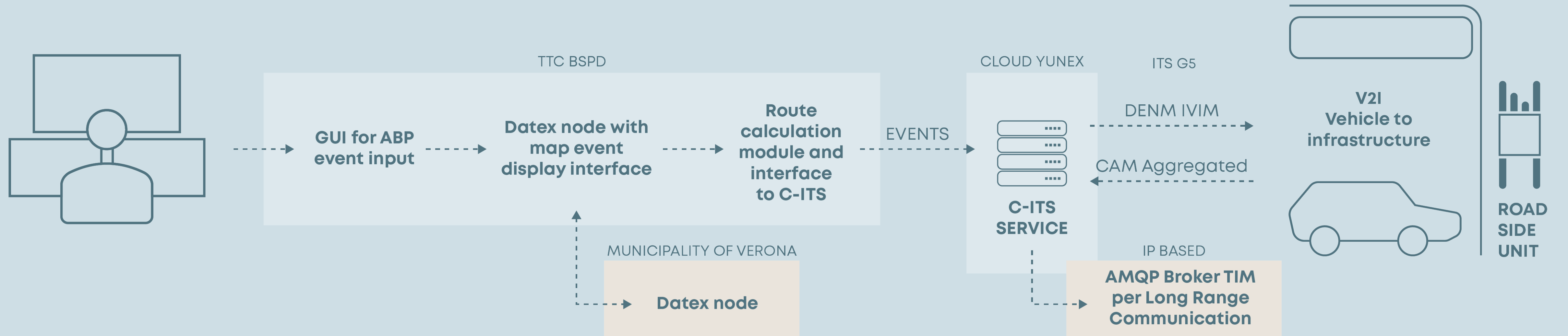
**25** Tollbooth  
**4** Commercial assistance centers  
**2** Maintenance Centres  
**8** Auxiliary traffic centres  
**20** Service Areas on Ring Roads



**1** Truck Park  
**14** Service areas  
**6** Rest areas  
**6** Parking areas

# C-ROADS ITALY 2 IN ABP

- Original test site in A4 Brescia – Padova along the Soave-Montebello section, in order to enable the direct, short-range communication channel between vehicles and the motorway infrastructure.
- Now expanded in order to better cover the interface between motorway and municipal roads, including the area of southern VR and Padua.





# SHARING KNOW HOW AND EXPERIENCE

A4 Brescia-Padova is crossing two important CEF Corridor: Mediterranean and Scandinavian-Mediterranean.

As part of the C-Roads Italy2 project, Autostrada BS-PD designed and set up a "test site" where national partner, such as Stellantis, and international partners tested their on-board technology.

The partners travelled to the ABP test site several dozen times in order to mutually fine-tune the communication details.



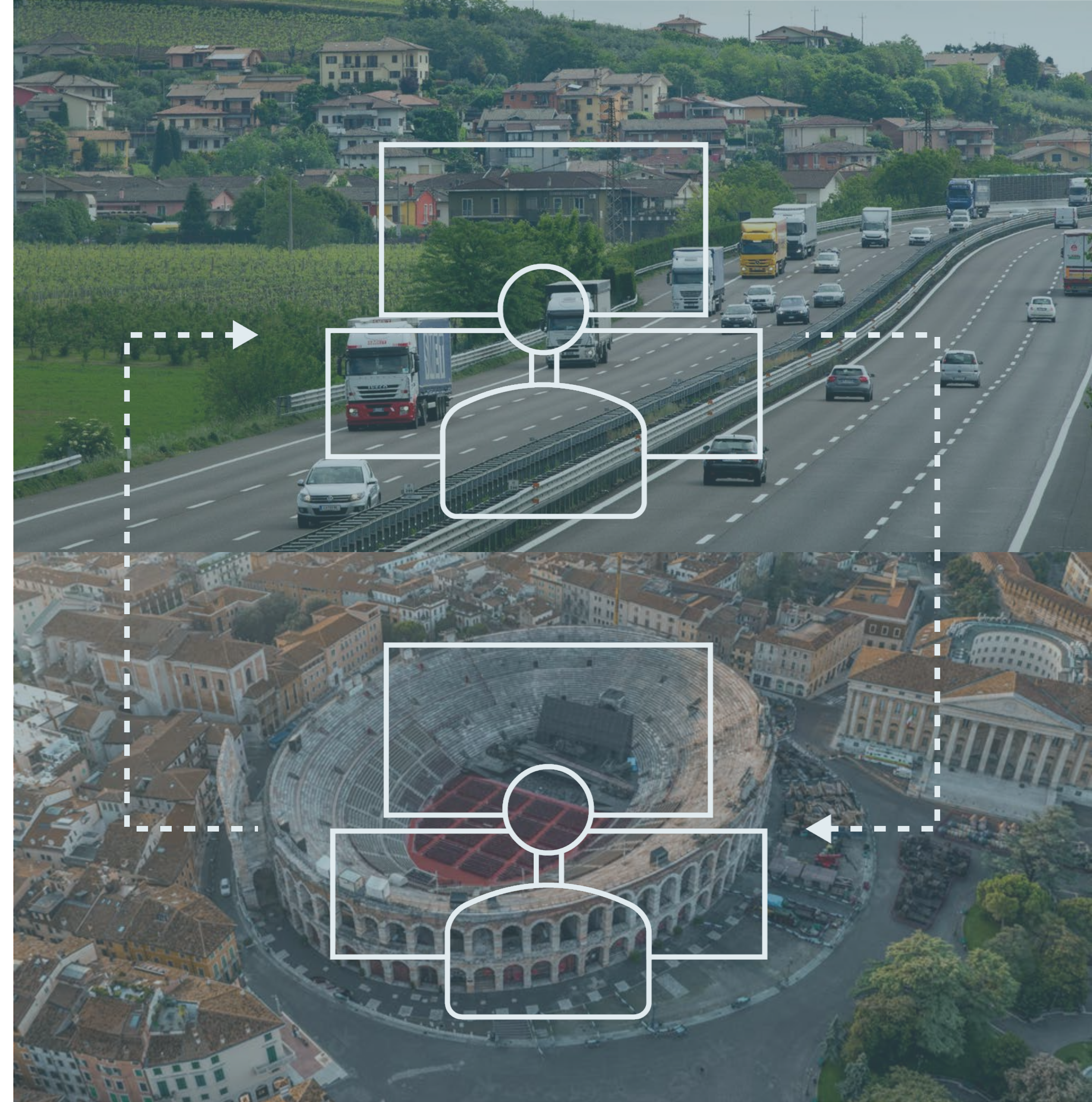
# URBAN AND MOTORWAY DATA INTERCONNECTION

Autostrada Brescia Verona Vicenza Padova's operations centre is able to drive the C-ITS Server engine through standardised messages according to the Datex protocol.

The same standard allows information to be exchanged with the Municipality of Verona and consequently generate reciprocal C-ITS actions, benefiting the community by improving traffic flow and reducing the impact of traffic congestion.

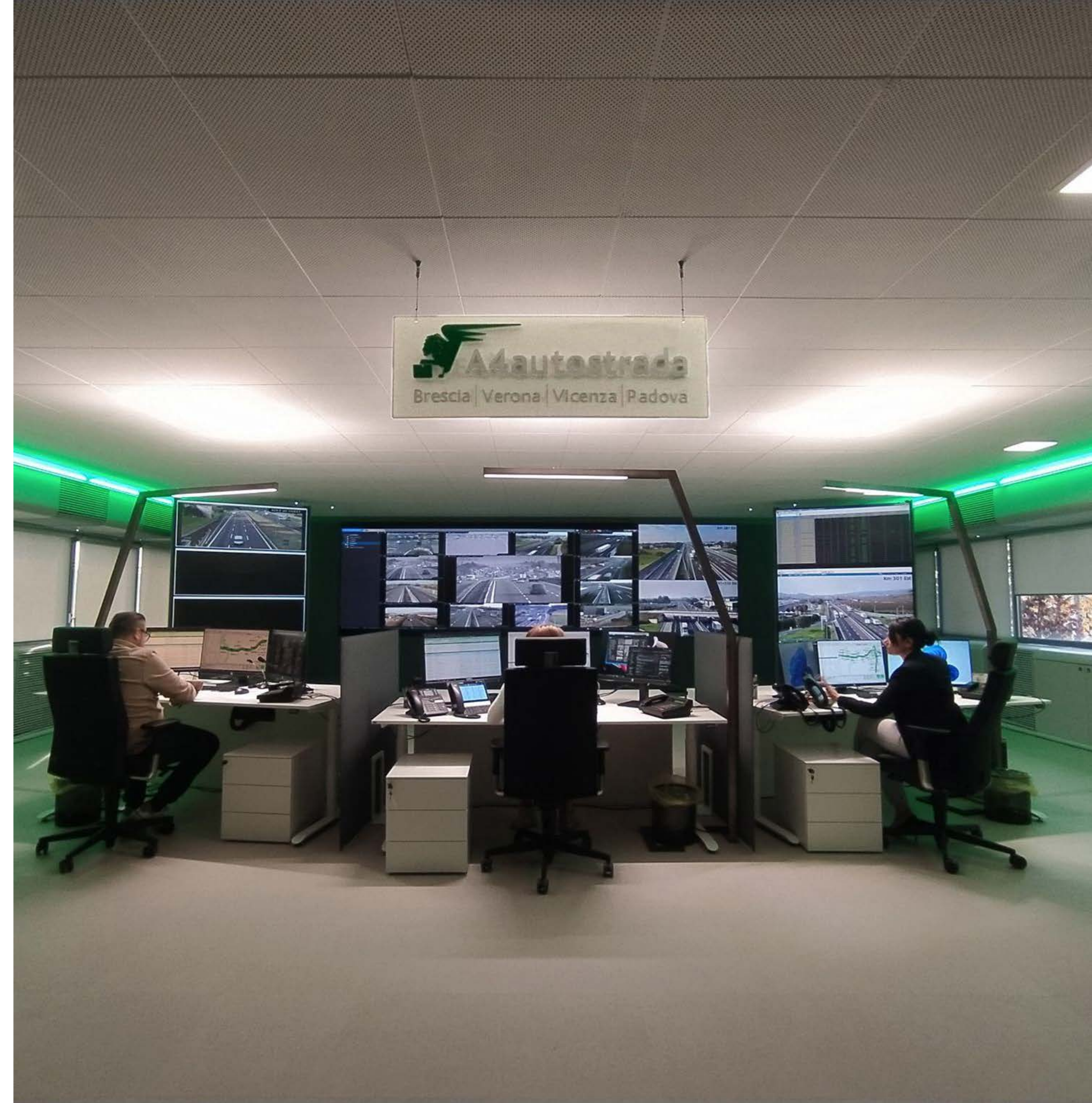
A specific study was conducted on the connection between the Traffic Centre of the city of Verona and that of the ABP motorway, in order to activate and test C-ITS services.

The exchange of data between interconnected urban and motorway situations (e.g. early congestion warning, hazard conditions, weather conditions) was tested.



# SMART & INTERCONNECTED MOBILITY MANAGEMENT

The C-Roads experience has fuelled Autostrada Brescia Verona Vicenza Padova's innovation process leading to the integration of the new C-ITS systems into the new advanced traffic management system integrating the connected mobility platform with an advanced management of events, scenarios, processes and interventions. Autostrada Brescia Verona Vicenza Padova's innovative C-ITS platform is ready to meet the technological and management challenges of connected and cooperative mobility, enabling real-time two-way vehicle-infrastructure dialogue and guaranteeing integration with on-road ITS systems and external traffic control centres.





**Alberto Brentegani**

[alberto.brentegani@autobspd.it](mailto:alberto.brentegani@autobspd.it)

23 November 2023

