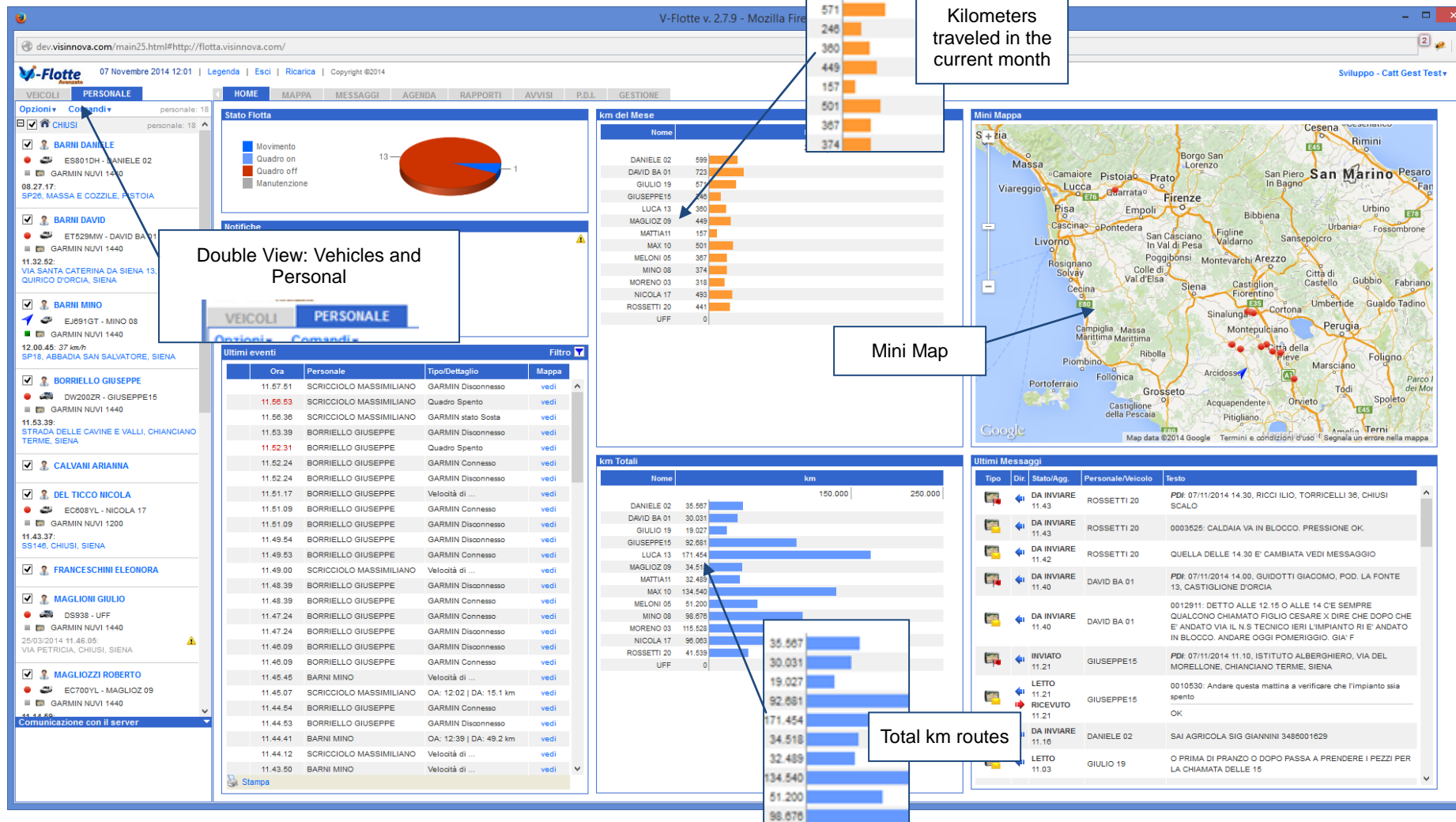


## SUMMARY INFORMATION PROVIDED BY THE SYSTEM vFLOTTE LARGE

Home: Opening application page with summary data on the fleet



## Map Fleet

Simultaneously displays the current location of all selected vehicles. The icon shows the status of the vehicle and each vehicle is recognizable by the label with the name (customizable).

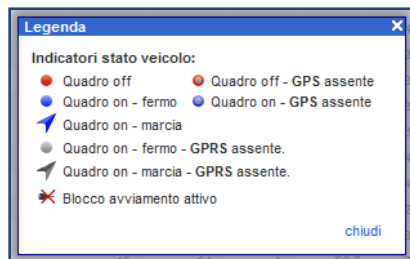
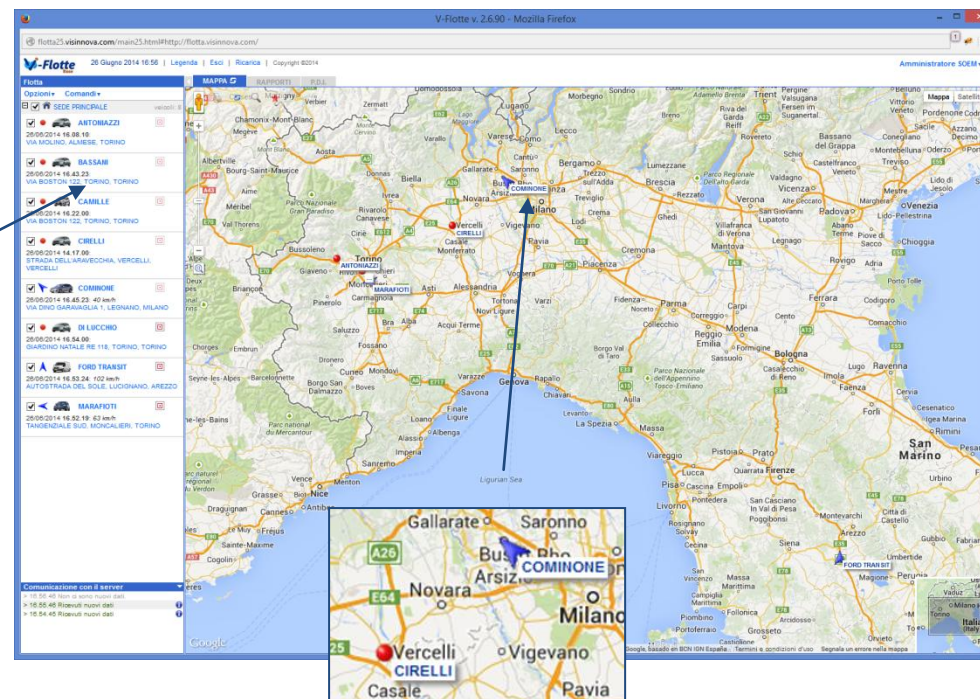


Image with exact  
Model and Vehicle  
Color



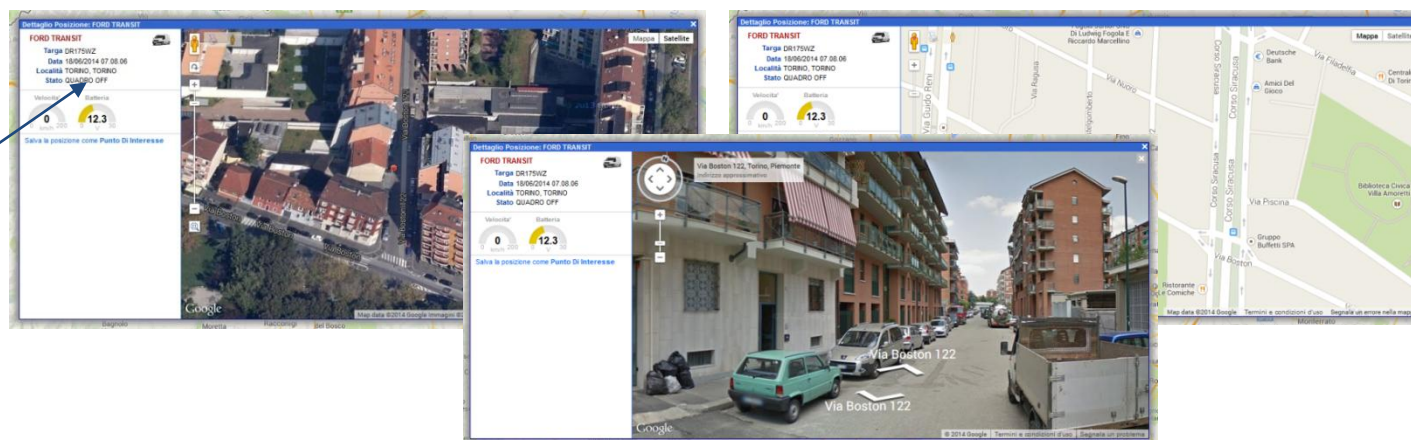
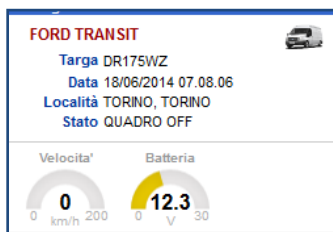
## Map Detail Position

Just clicking on an address, or directly on the icon on the map of the vehicle fleet, a PopUp window appears with the detail map and instrument panel with address, status, vehicle speed and battery level.

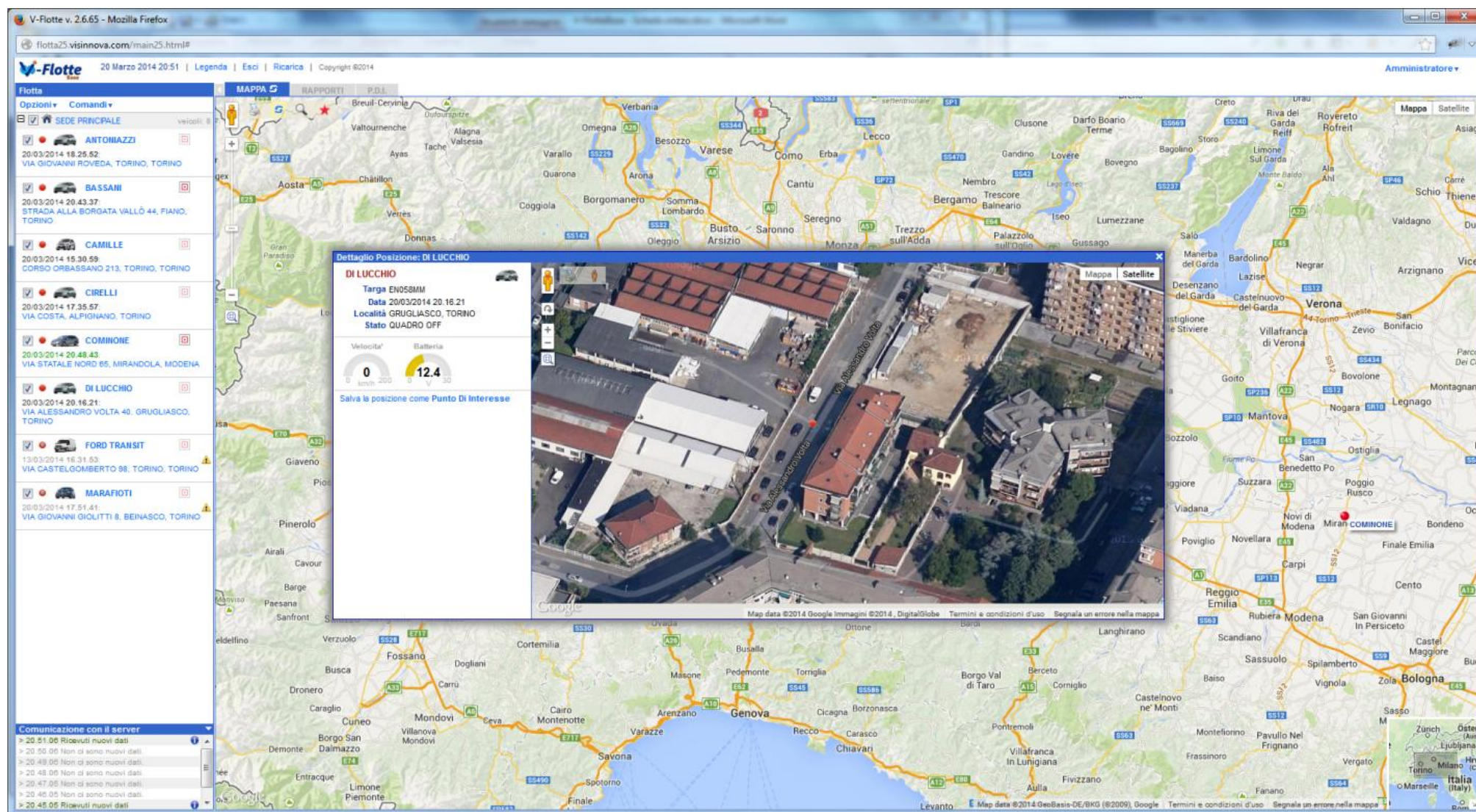
Useful to avoid "zoom" and "scroll" on the Fleet.map

Provides the view:

- Map
- Satellite
- StreetView

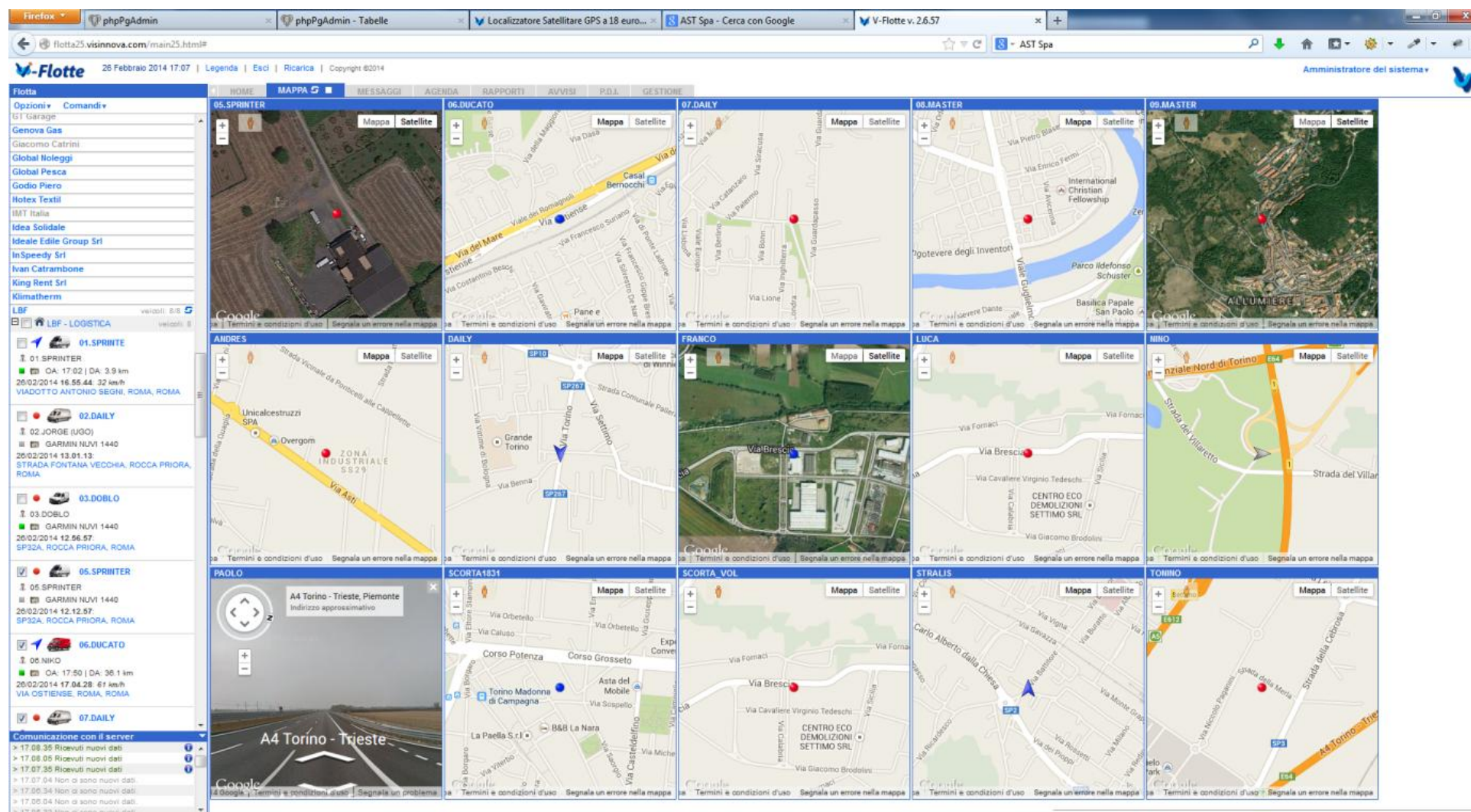








## View Multi-Map:



The screenshot displays the V-Flotte v. 2.6.57 web application interface. The top navigation bar includes links for HOME, MAPPA, MESSAGGI, AGENDA, RAPPORTI, AVVISI, P.D.I., and GESTIONE. The left sidebar contains a list of vehicles and their status, along with a communication log. The main area shows a grid of 12 Google Maps, each representing a different vehicle's location. The vehicles are labeled as follows:

- 05.SPRINTER
- 06.DUCATO
- 07.DAILY
- 08.MASTER
- 09.MASTER
- 01.SPRINTER
- 02.DAILY
- 03.DOBLO
- 05.SPRINTER
- 06.DUCATO
- 07.DAILY

Each map includes a 'Mappa' button and a 'Satellite' button. The bottom of the interface shows a communication log with timestamps and status messages.

## Advanced Tracking

The position tracking algorithm adopted by **VIS** exploits, in addition to the common criteria of **space** and **time**, also the **direction**. If the vehicle is moving, the GPS also provides the direction of travel and therefore a *change of direction* is perfectly interceptable. This solution allows the "path reconstruction" that is the reproduction of the exact sequence of roads crossed by the vehicle.



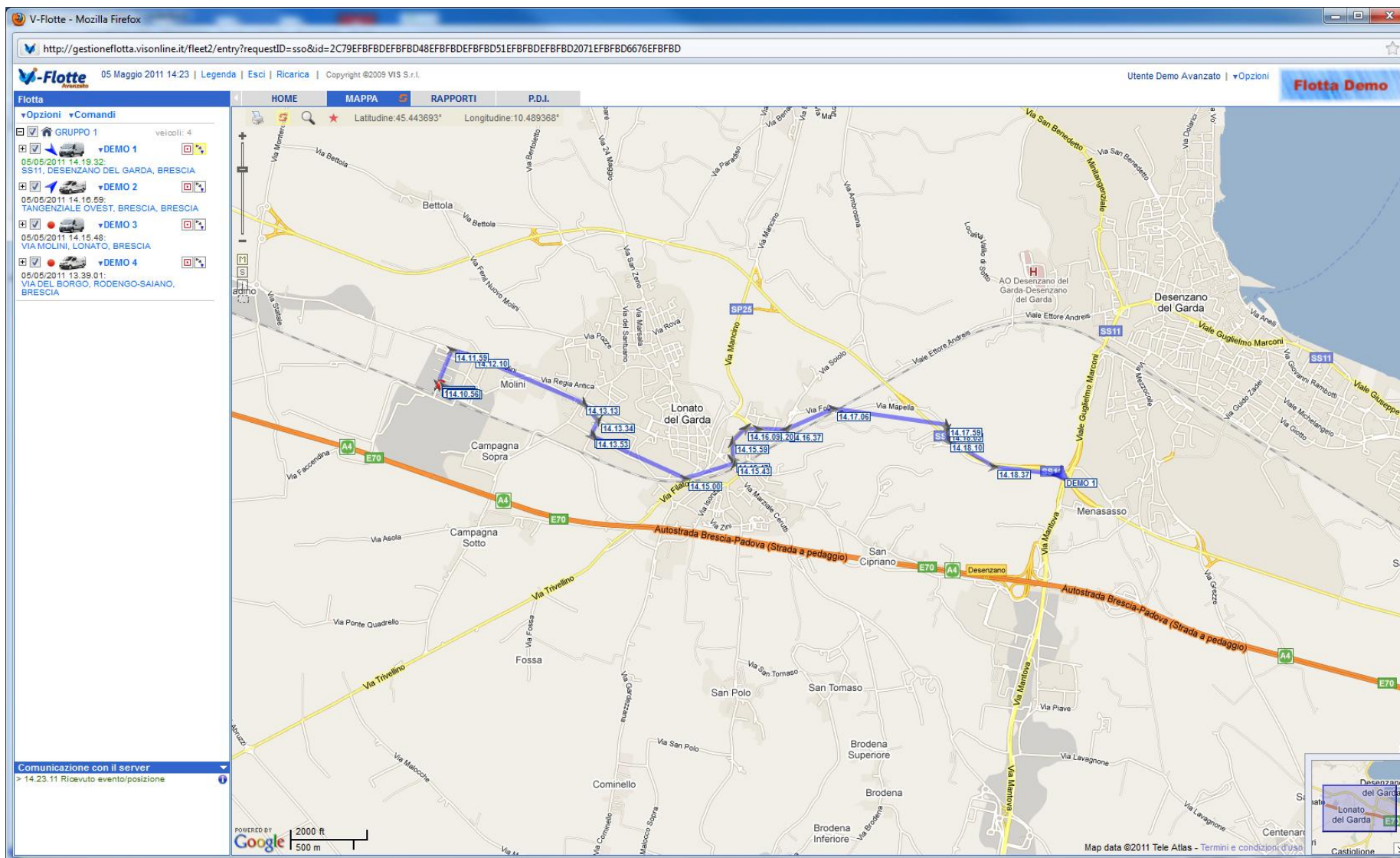
*Common path tracking by time*



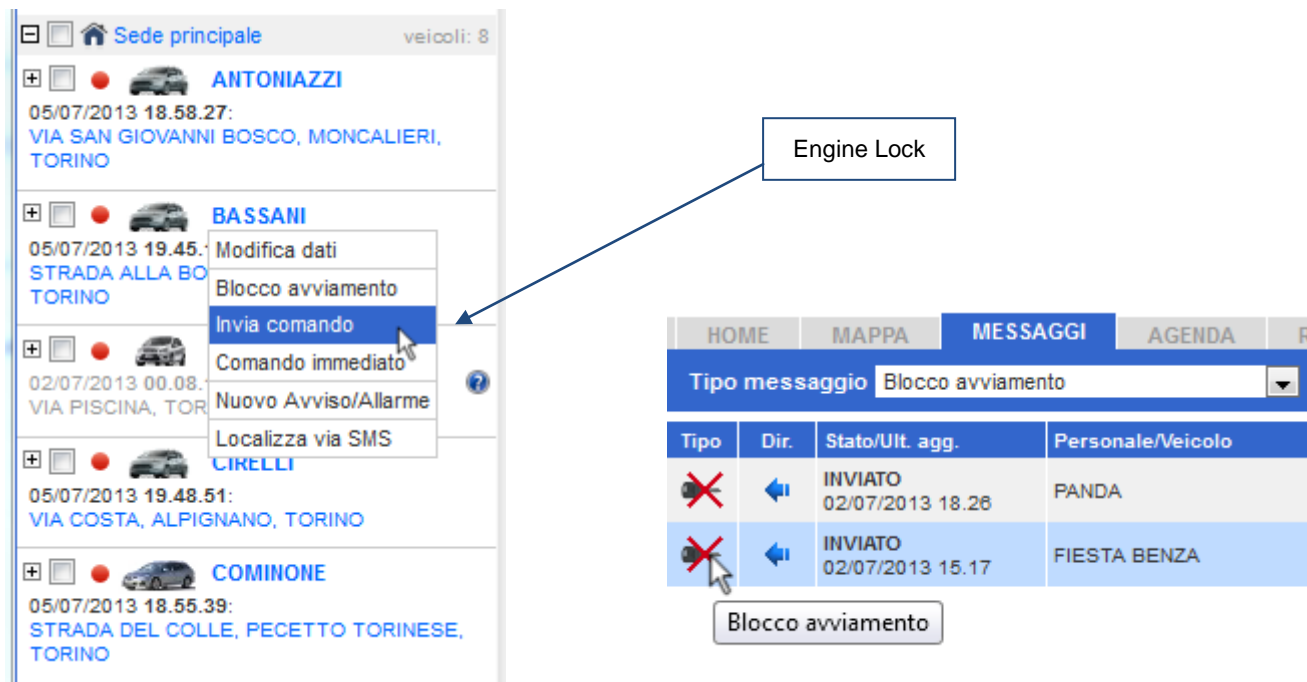
*VIS path reconstruction by time-direction*



## Wake Vehicle: Track positions since the last "Ignition-On."







## Interaction with the device



The screenshot shows a web interface for managing a fleet. On the left, a list of vehicles is displayed. The vehicle **BASSANI** is selected, and a context menu is open, showing options: Modifica dati, Blocco avviamento, Invia comando, Comando immediato, Nuovo Avviso/Allarme, and Localizza via SMS. The **Invia comando** option is highlighted. An arrow points from this option to a detailed view of the **Blocco avviamento** command on the right.

**Engine Lock**

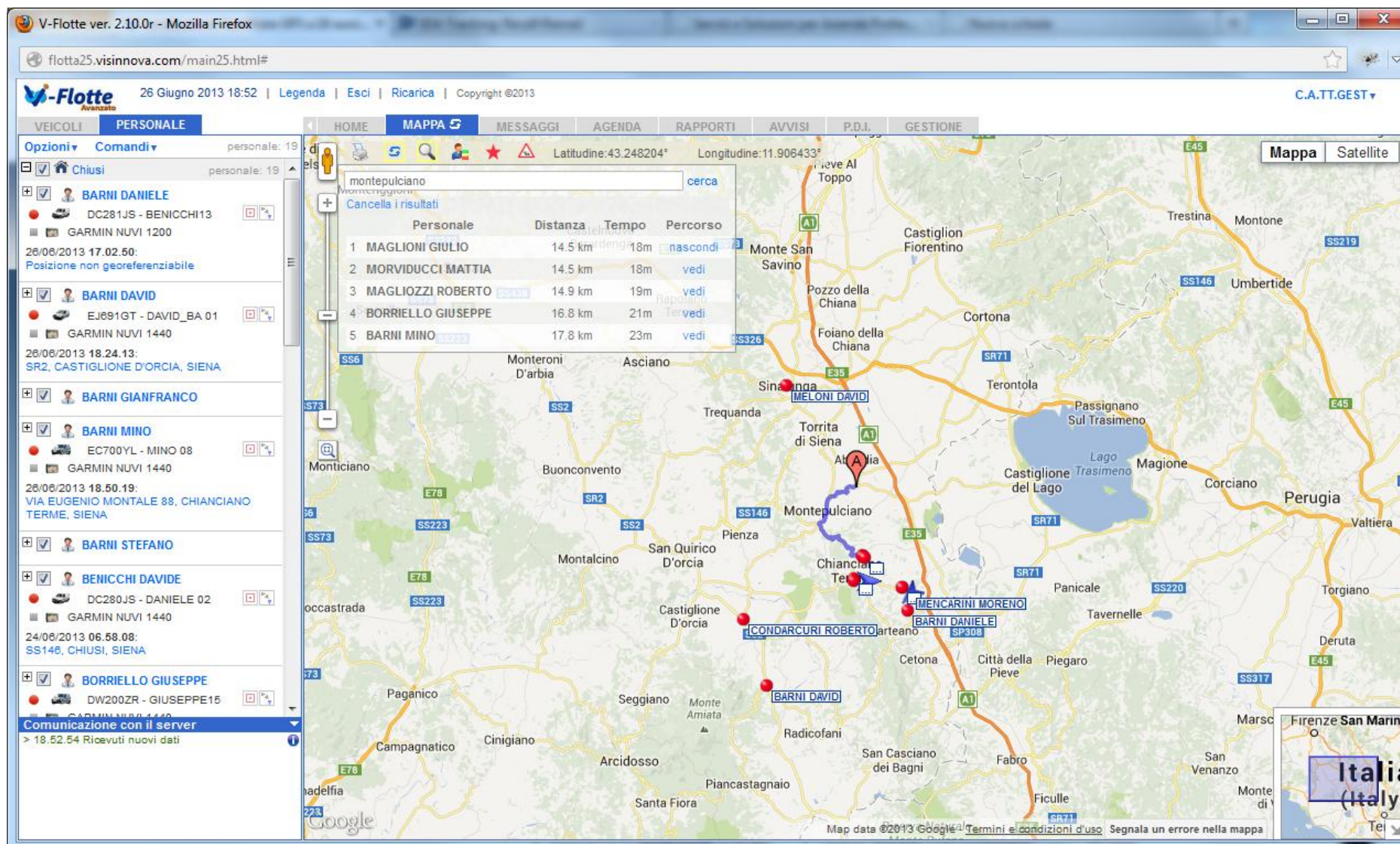
The detailed view shows the command type as **Blocco avviamento**. Below this is a table with the following data:

Tipo	Dir.	Stato/Ult. agg.	Personale/Veicolo
		INVIATO 02/07/2013 18.26	PANDA
		INVIATO 02/07/2013 15.17	FIESTA BENZA

**Blocco avviamento**

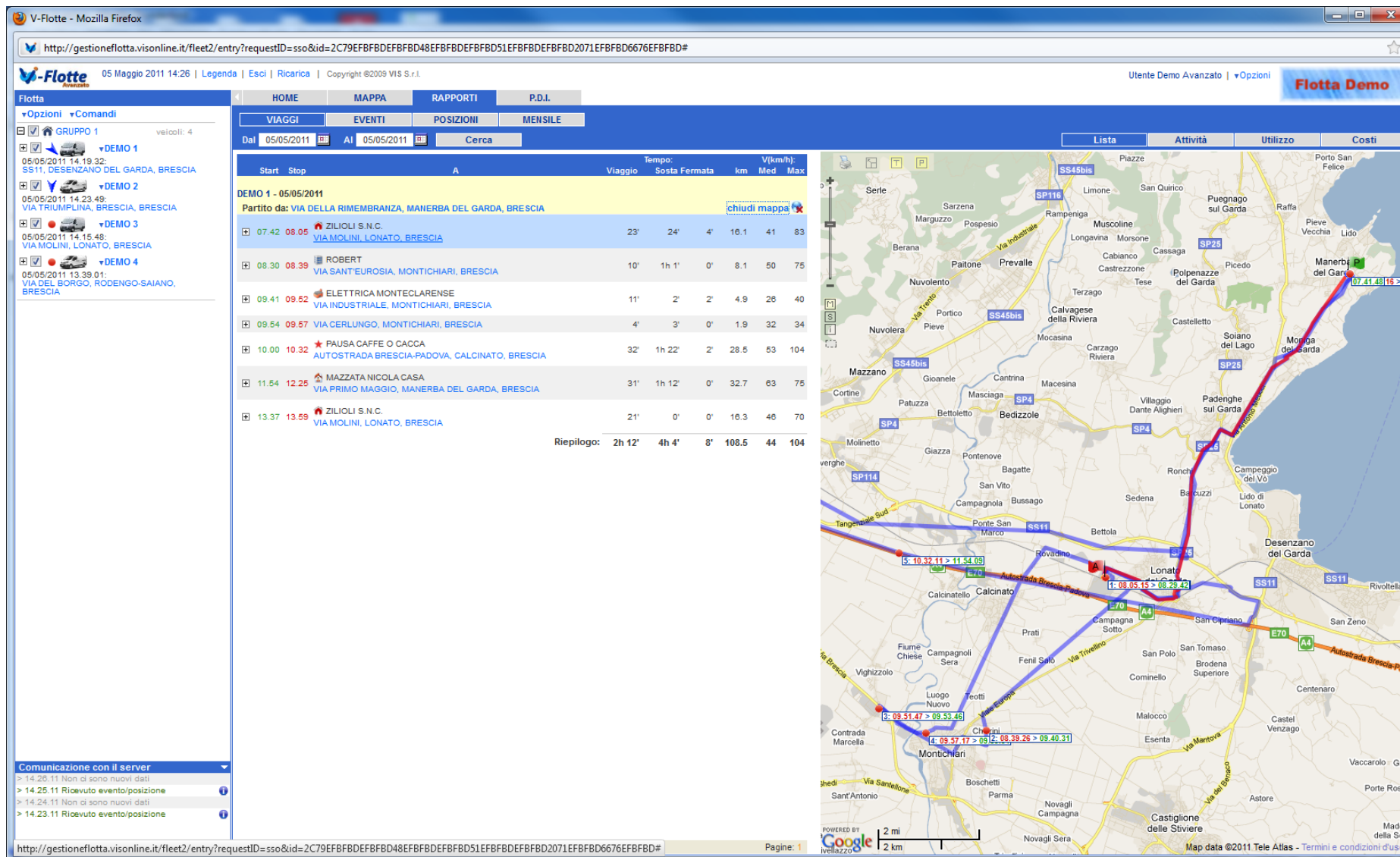


### Address search on the map and closer Vehicles

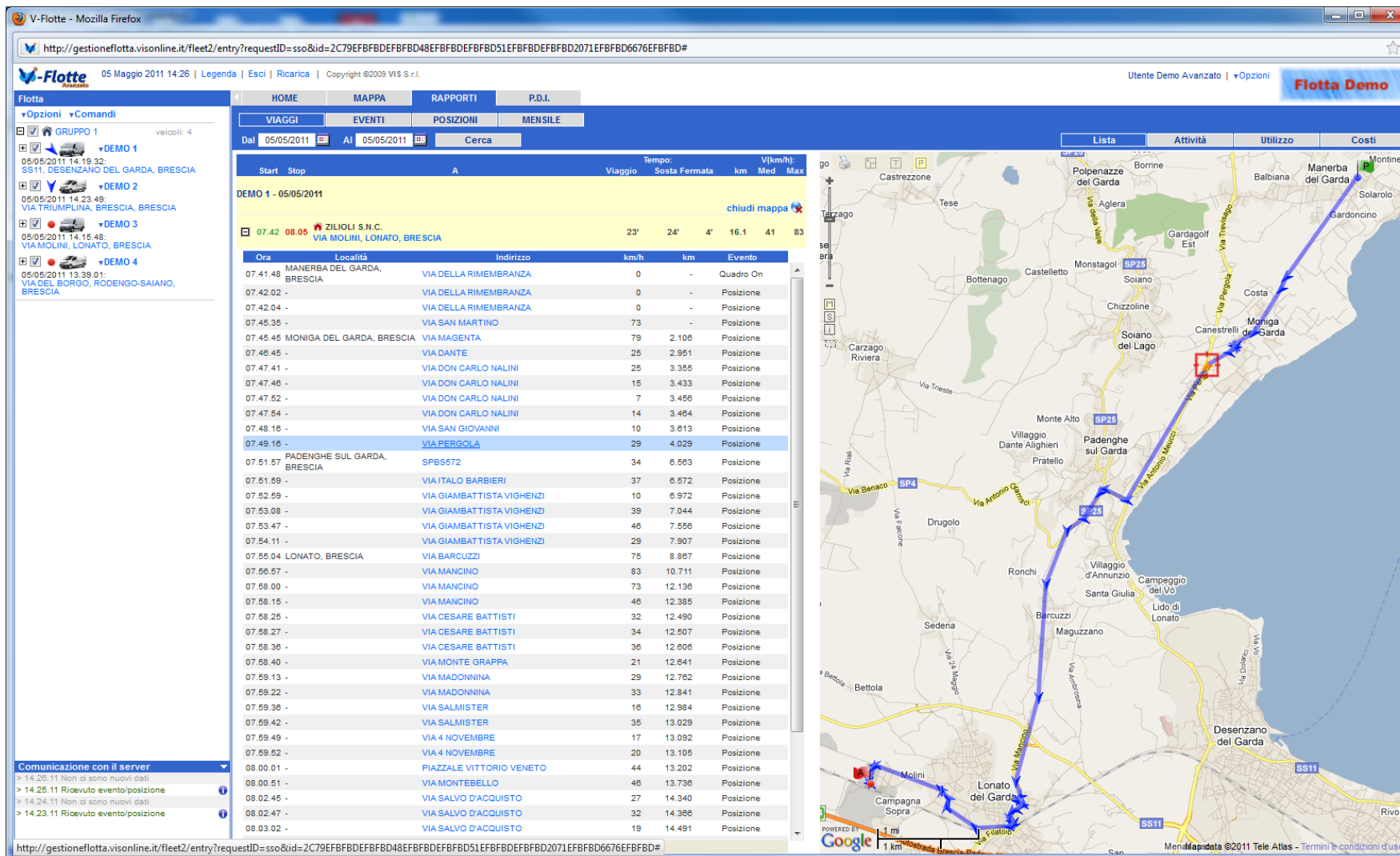




**Travel Report** (Grouping of positions between "Ignition-on" and "Ignition-off"): evidence of time travel, mileage, average and maximum speeds. Track route on the map. Recognition point Stop (if this is a POI - Point of Interest - present in the master).

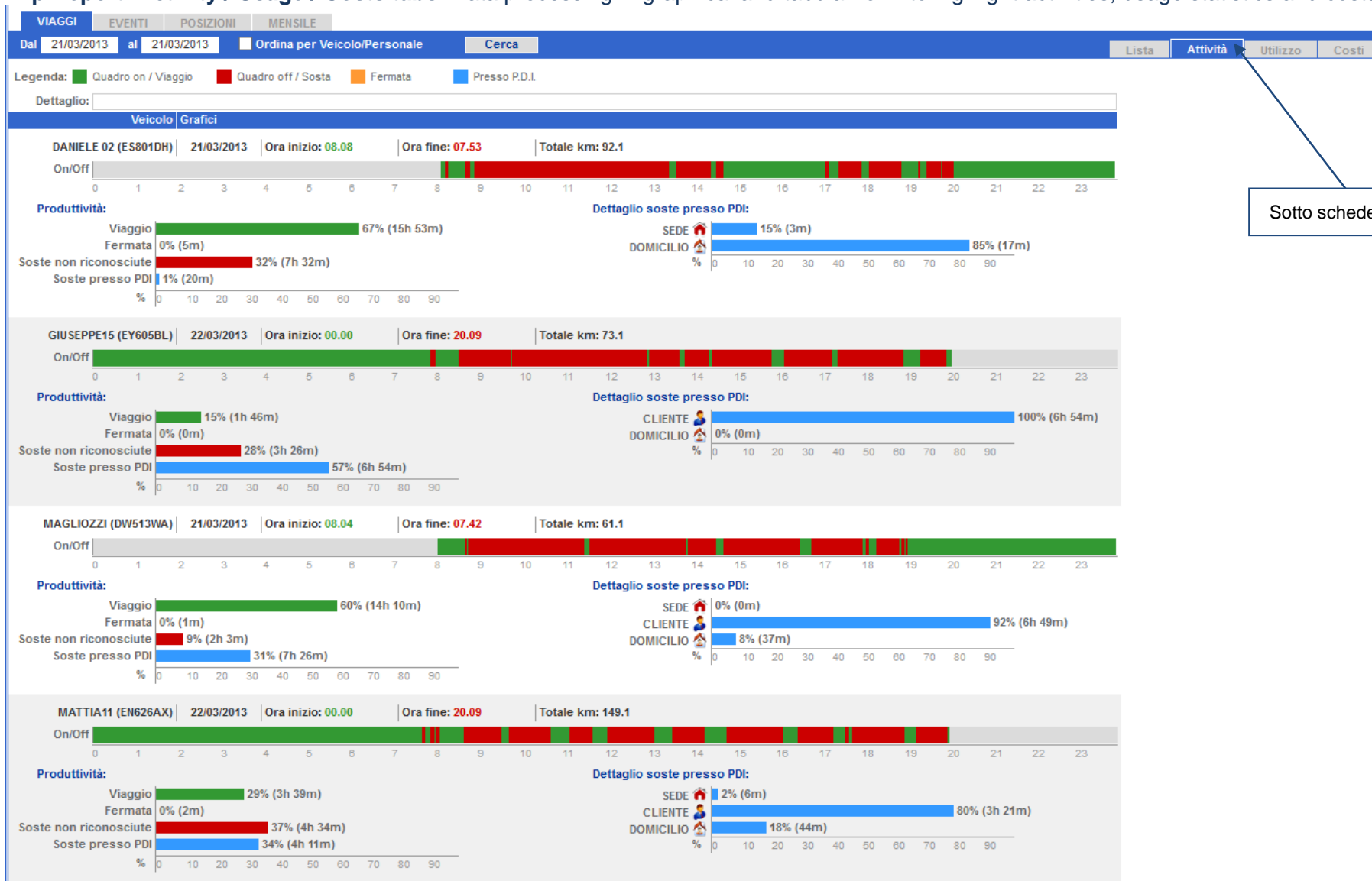


**Trip details:** Analytical report of all the positions taken during the trip. Shows the instantaneous speed and distance traveled progressive; Map location details. The devices are configured to send the position at every **turn** (at least 45 °), and in **time**, every 5 minutes, if you proceed in a straight line. This mode is called **Reconstruction Exactly path**.



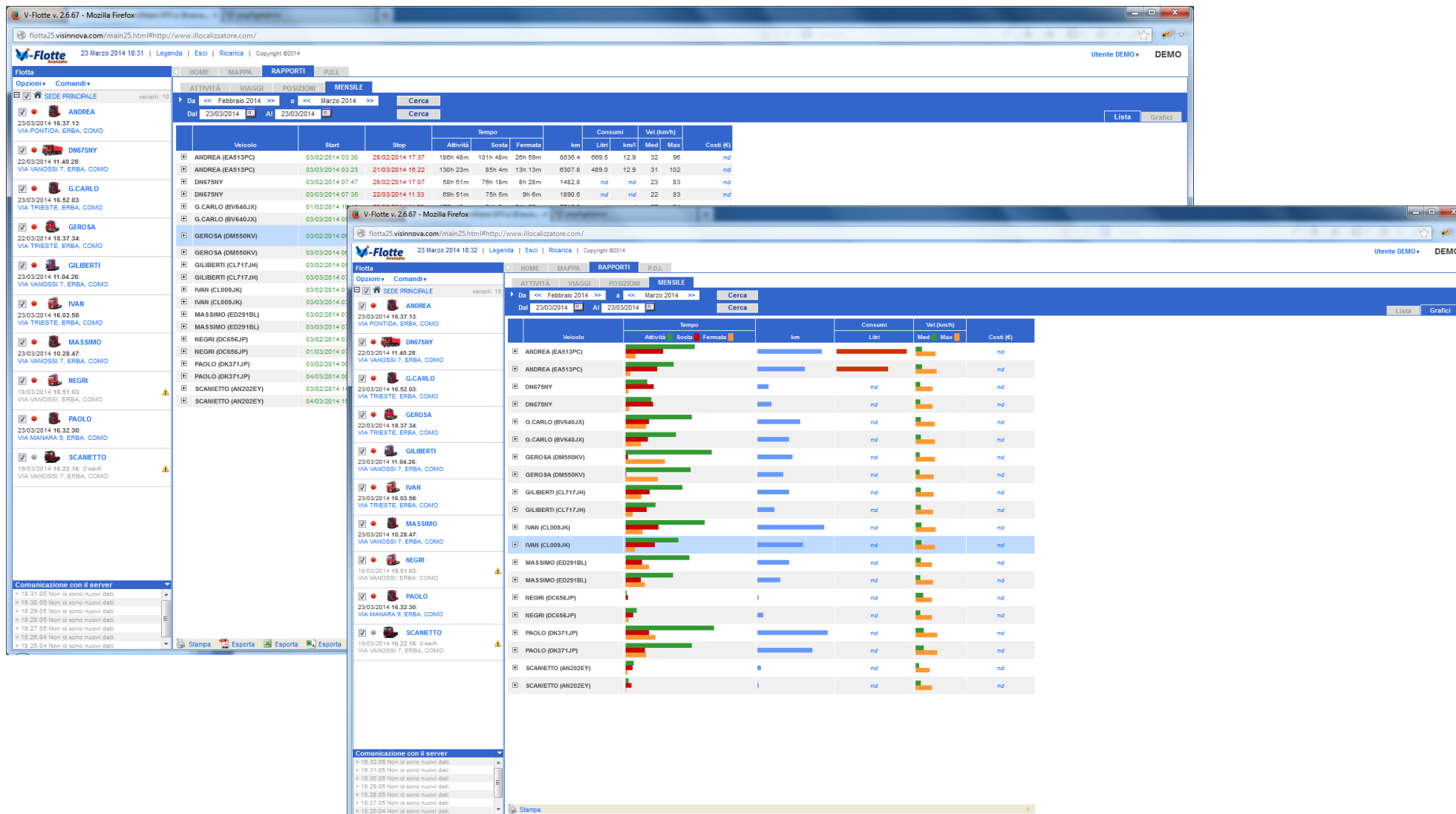


**Trip Report: Activity / Usage / Costs tabs.** Data processing in graphical and tabular form to highlight activities, usage statistics and costs.



Sotto schede Viaggi

**Monthly Report:** Monthly summary of the vehicle. Report time travel, parking and stopping; kilometers traveled; estimated fuel consumption (based on parameter "kilometers per liter" assigned to the vehicle); average and maximum speeds; estimated costs (based on parameter "cost kilometric" assigned to the vehicle).

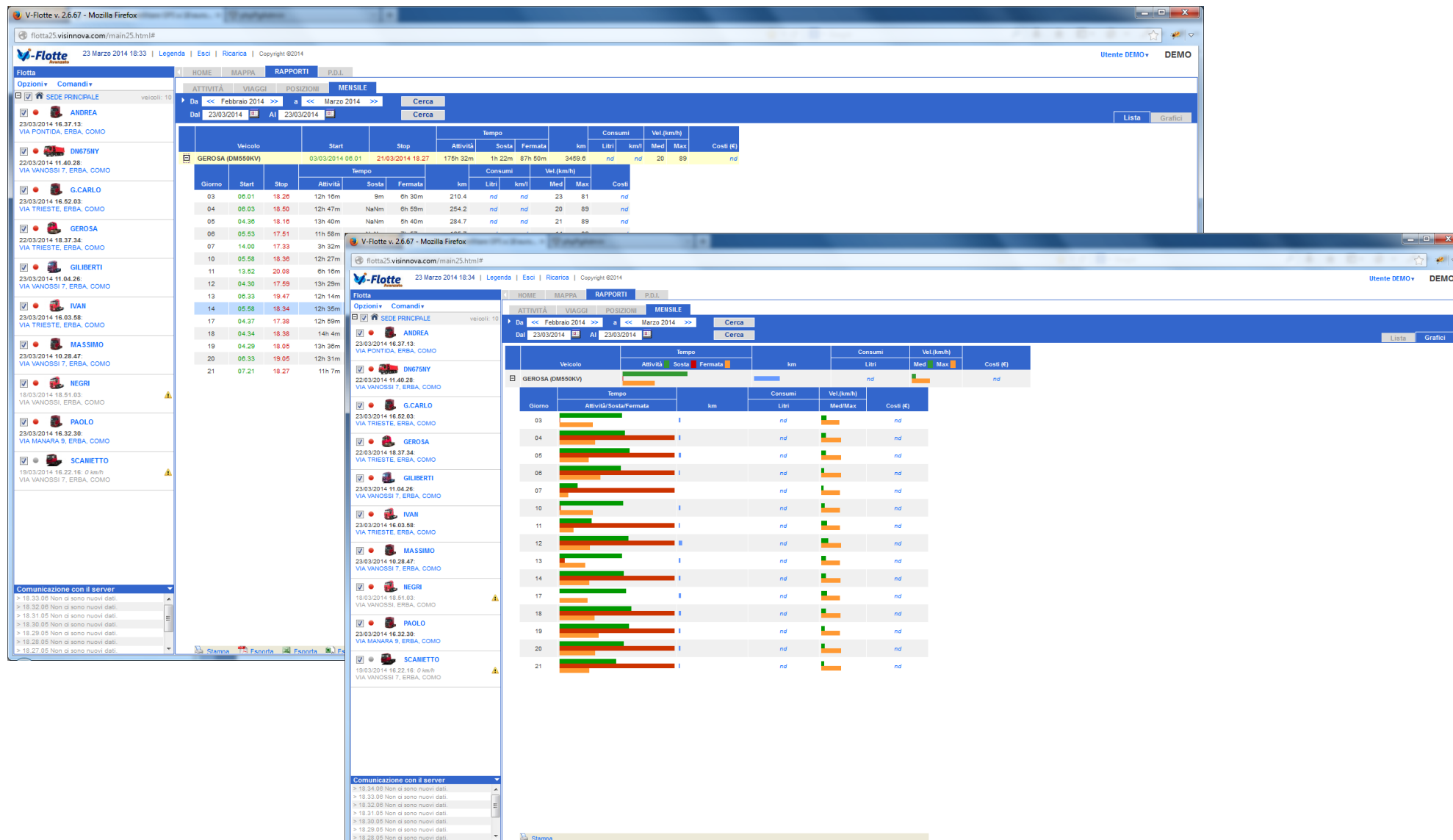


The screenshot displays the 'Flotte v.2.6.67' web application interface. The top navigation bar includes 'HOME', 'MAPPA', 'RAPPORTI', and 'P.D.I.'. The main content area shows a 'MENSILE' report for March 2014, with filters for 'Da' (23/03/2014) and 'Al' (23/03/2014). The table lists vehicle activities with columns for 'Veicolo', 'Start', 'Stop', 'Tempo' (Attività, Sosta, Fermata), 'km', 'Consumi' (Litri, km/l, Med, Max), 'Vel (km/h)' (Med, Max), and 'Costi (€)'. The sidebar on the left lists vehicles: ANDREA, G. CARLO, G. ROSA, GILBERTI, IVAN, MASSIMO, NEGRİ, and PAOLO. The bottom section shows a 'Comunicazione con il server' status for each vehicle.

Veicolo	Start	Stop	Tempo			km	Consumi				Vel (km/h)		Costi (€)
			Attività	Sosta	Fermata		Litri	km/l	Med	Max			
ANDREA (EA513PC)	03/02/2014 03:30	28/02/2014 17:37	18h 48m	10h 48m	25h 59m	8936.4	609.5	12.9	32	96	nd		
ANDREA (EA513PC)	03/03/2014 03:23	21/03/2014 16:22	13h 23m	85h 4m	13h 13m	6307.8	489.0	12.9	31	102	nd		
DN675NY	03/02/2014 07:47	28/02/2014 17:07	58h 51m	76h 18m	8h 28m	1492.8	nd	nd	23	83	nd		
DN675NY	03/03/2014 07:35	22/03/2014 11:33	69h 51m	75h 5m	9h 6m	1890.0	nd	nd	22	83	nd		
G. CARLO (BV640JX)	01/02/2014 19:00	03/03/2014 00:00											
G. CARLO (BV640JX)	03/02/2014 00:00	03/02/2014 00:00											
GEROSA (DM550KV)	03/02/2014 00:00	03/02/2014 00:00											
GEROSA (DM550KV)	03/03/2014 00:00	03/03/2014 00:00											
GILBERTI (CL717JH)	03/02/2014 00:00	03/02/2014 00:00											
GILBERTI (CL717JH)	03/03/2014 00:00	03/03/2014 00:00											
IVAN (CL009JK)	03/02/2014 00:00	03/02/2014 00:00											
IVAN (CL009JK)	03/03/2014 00:00	03/03/2014 00:00											
MASSIMO (ED291BL)	03/02/2014 00:00	03/02/2014 00:00											
MASSIMO (ED291BL)	03/03/2014 00:00	03/03/2014 00:00											
NEGRİ (DC656JP)	03/02/2014 00:00	03/02/2014 00:00											
NEGRİ (DC656JP)	01/03/2014 00:00	01/03/2014 00:00											
PAOLO (DK371JP)	03/02/2014 00:00	03/02/2014 00:00											
PAOLO (DK371JP)	04/03/2014 00:00	04/03/2014 00:00											
SCANIETTO (AN202EY)	03/02/2014 00:00	03/02/2014 00:00											
SCANIETTO (AN202EY)	04/03/2014 00:00	04/03/2014 00:00											



**Daily Report:** Day view of the vehicle. Report time travel, parking and stopping; kilometers traveled; estimated fuel consumption (based on parameter "kilometers per liter" assigned to the vehicle); average and maximum speeds; estimated costs (based on parameter "cost kilometeric" assigned to the vehicle).



The screenshot displays the V-Flotte v.2.6.67 web application interface. The top navigation bar includes links for HOME, MAPPA, RAPPORTI, and P.D.I. The main content area shows a daily report for the vehicle GERO SA (DM550KV) on March 23, 2014. The report includes a table with columns for Veicolo, Start, Stop, Tempo, Attività, Sosta, Fermata, km, Consumi, Vel (km/h), and Costi (€). The table shows data for the day, with a total of 176h 32m for the trip and 3459.6 km traveled. The bottom section of the interface features a bar chart showing the activity of the vehicle over time, with a legend indicating different types of activities (e.g., driving, parking, stopping).

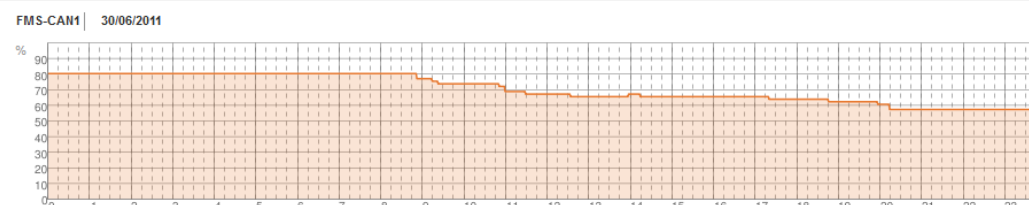
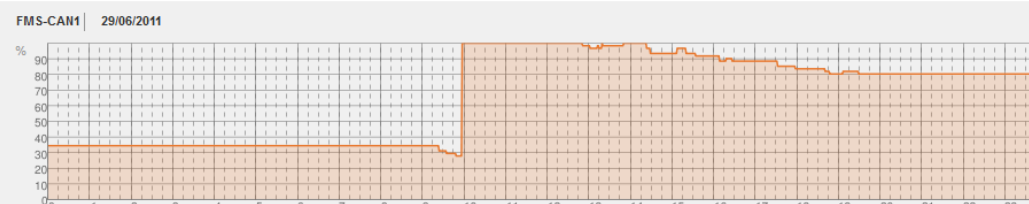
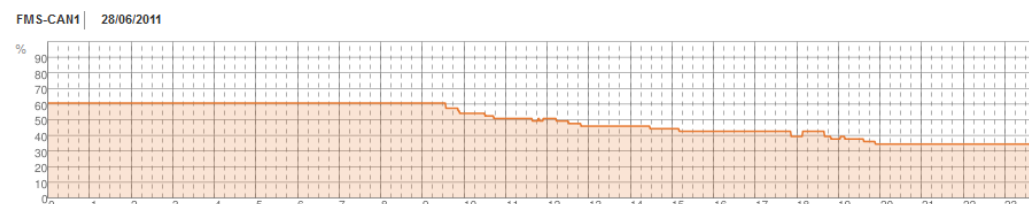
## CAN Bus Data Monitoring

**Controller Area Network (CAN or CAN-Bus)** is a network and bus standard protocol designed to allow communication between vehicle control units. Designed for automotive applications it is now used in many areas.

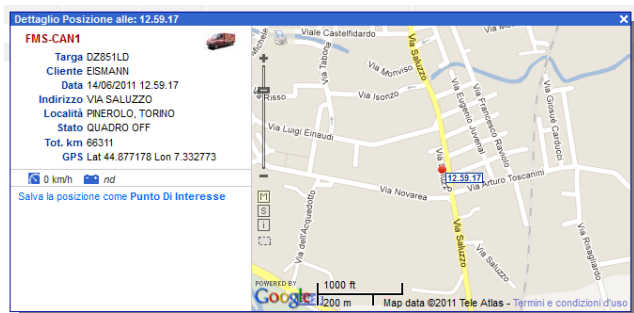
The information available depends on the vehicle model. Among the parameters provided by the interface are the km (odometer), the fuel level in the tank, the total fuel consumption and the engine revolutions.

ATTIVITÀ	VIAGGI	CONTATTI	EVENTI	POSIZIONI	MENSILE	CARBURANTE
Da << Giugno 2011 >>	a << Luglio 2011 >>	Cerca	Lista	Serbatoio		
Nome	Data	Ora	Località	Indirizzo	Litri	
FMS-CAN1	03/06/2011	10.01	COLLEGNO, TORINO	VIA MARTIRI 30 APRILE	86.0	
	03/06/2011	18.19	COLLEGNO, TORINO	VIA ROMEO MEINARDI		
	07/06/2011	19.20	ORBASSANO, TORINO	VIA CIRCONVALLAZIONE		
	08/06/2011	08.01	ORBASSANO, TORINO	VIA CIRCONVALLAZIONE		
	09/06/2011	08.38	RIVALTA DI TORINO, TORINO	VIA GIAVENO		
	14/06/2011	12.59	PINEROLO, TORINO	VIA SALUZZO		
	20/06/2011	11.11	GIAVENO, TORINO	BORGATA VIRETTA		
	20/06/2011	11.22	GIAVENO, TORINO	BORGATA CHIARMETTA		
	20/06/2011	11.31	GIAVENO, TORINO	BORGATA BARONERA		
	21/06/2011	08.48	RIVALTA DI TORINO, TORINO	VIA GIAVENO		
	24/06/2011	09.56	BRICHERASIO, TORINO	STRADALE PINEROLO		
	29/06/2011	09.24	GIAVENO, TORINO	VIA TORINO		

ATTIVITÀ	VIAGGI	CONTATTI	EVENTI	POSIZIONI	MENSILE	CARBURANTE
Da 28/06/2011	Ai 30/06/2011	Cerca	Lista	Serbatoio		



## Refuel/Stole Report



## Refuel/Stole Position

## Tank Graph



## Managing Alerts and Alarms

The service **V-Flotte ADVANCED** provides the ability to automatically send alerts ("alert") upon the occurrence of specific situations. The notification, as well as on the web console, can take place via email and / or SMS to multiple recipients.

Some of the reportable events are:

- Deadline Bollo / Insurance
- Deadline Coupons / Tires
- Alarm Towing
- Pause / Stop excessive
- Use outside business hours
- Exceeding threshold km daily
- Outgoing national borders
- Exceeding the speed limit
- Vehicle battery low
- Disconnecting battery



## Management Points of Interest (POI)

V-flotte - Mozilla Firefox

http://gestione.flotta.visonline.it/fleet2/entry?requestID=sso&id=EFBFD5541EFBFD51EFBFD51EFBFD7674EFBFD512EEFBFD576CEFBFD#

17 Febbraio 2011 13:49 | [Legenda](#) | [Esci](#) | [Ricarica](#) | Copyright ©2009 VIS S.r.l.

Amministratore AMGA | [Opzioni](#)

**VEICOLI**

**TECNICI**

**▼ Opzioni ▼ Comandi**

Sede principale Udine

+BOEZIO MANUELE  
EC033PA - BOEZIO  
17/02/2011 13:47:54  
VIA CATERINA PERCOTO, CAMPOFORMIDO,  
UDINE

+CIANI MOSE'  
DZ155MK - CIANI  
17/02/2011 12:58:55:  
PIAZZA SAN PIETRO, CORDENONS,  
PORDENONE

+CONSONNI MASSIMILIANO  
EC483BE - CONSONNI  
17/02/2011 13:47:17:  
VIA ROMA, CASTIONS DI STRADA, UDINE

+COVACEUSZACH IVAN  
DS063HS - COVACH  
16/02/2011 12:17:50:  
VIALE PIER PAOLO PASOLINI, UDINE, UDINE

+GUBBINI PAOLO  
EC484BE - GUBBINI  
17/02/2011 07:27:38:  
VIA DEL COTONIFICIO, UDINE, UDINE

+MAMOLO LUIGINO  
DA299XH - MAMOLO  
17/02/2011 13:38:22:  
VIA CANAPIFICIO, UDINE, UDINE

+MORETTIN GIANCARLO  
DA116XH - MORETTIN  
17/02/2011 13:12:18:  
VIA LUSSARI, TARVISIO, UDINE

+PERES ALBERTO  
CN430SF - PERES  
17/02/2011 13:31:13:  
VIA CANAPIFICIO, UDINE, UDINE

+PIGANI ALDO  
EA961ZL - PIGANI  
17/02/2011 13:44:55:  
PIAZZA 20 SETTEMBRE, CIVIDALE DEL  
FRIULI, UDINE

+PITTONI ALESSANDRO  
EA030ZN - PITTONI  
17/02/2011 13:33:41:  
VIA COLUGNA, UDINE, UDINE

+RELLA LORENZO  
EA960ZL - RELLA  
17/02/2011 10:44:53:  
VIA DELLE MILIE, STARANZANO, GORIZIA

+ROSEANO DENIS  
CN132SF - ROSEANO  
17/02/2011 13:39:17:  
LARGO OSPEDALE VECCHIO, UDINE, UDINE

**Comunicazione con il server**  
> 13.49.47 Ricevuto evento/posizione  
> 13.48.46 Ricevuto evento/posizione  
> 13.47.46 Ricevuto eventi/posizioni  
> 13.46.46 Ricevuto eventi/posizioni  
> 13.45.45 Ricevuto evento/posizione  
> 13.44.45 Non ci sono nuovi dati  
> 13.43.44 Ricevuto evento/posizione

**HOME**

**MAPPA**

**PIANIFICA**

**RAPPORTI**

**P.D.I.**

Categoria **TUTTE** Nome **b** Cerca Nuovo Importa

Trovati 277 Punti di Interesse

Cat.	Stato	Nome	Indirizzo	Località	Telefono	Mappa	Opz.
		BANCA POPOLARE DI CREMONA	VIA BATTISTI 14	CREMONA	nd		

Dettaglio P.D.I. - Trascina l'icona per cambiare la posizione

Nome

Categoria CLIENTE

Indirizzo attuale GENERICO modifica

Numero di telefono SEDE

Raggio di copertura (m) CLIENTE nulla

FORNITORE

DOMICILIO

Map data ©2011 Tele Atlas - Termini e condizioni d'uso

## Localization by Smartphone

