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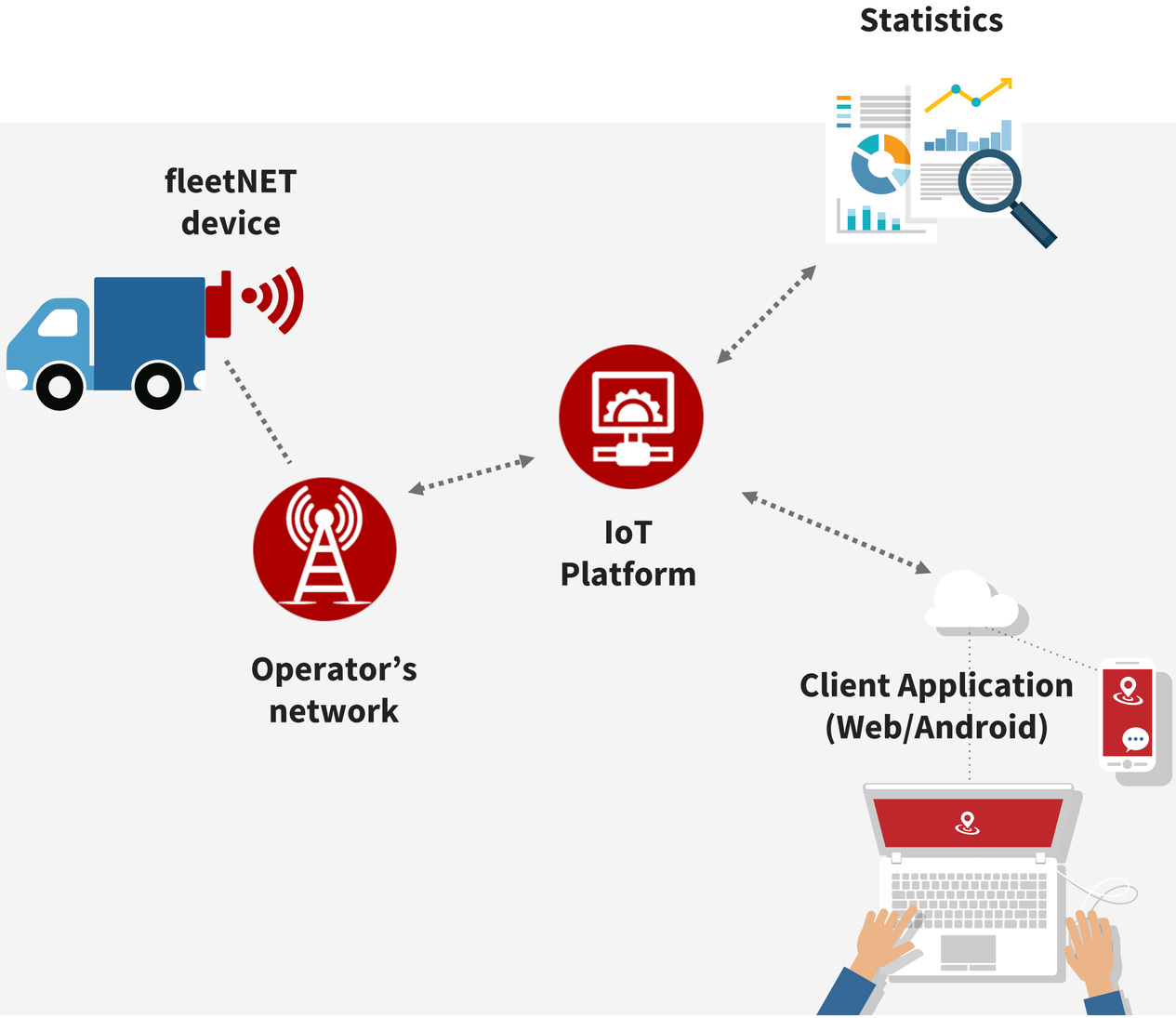
WHAT IS GPS vehicle tracking?

- Tracking your vehicles using GPS data and mobile network connection
- Data access in real-time, anytime, using any internet- connected device
- Reduce fuel consumption, tear&wear of vehicles
- Improve driving styles of drivers
- Optimize utilization of vehicles
- Reduce paperwork, increase efficiency and customer satisfaction
- Prevent thefts and inappropriate usage



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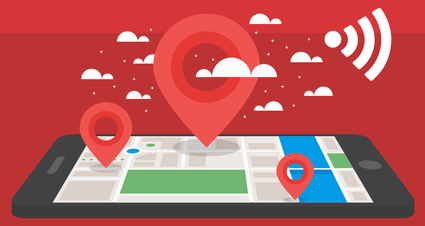
Data collection	▪ Vehicle location, activity, speed, start/stop, harsh acceleration and braking, sensor data ▪ CAN bus information (if available) ▪ Driver ID
Real time control	▪ Map view of all vehicles' locations and activities ▪ Current status of engine (on/off) - moving, idling ▪ Geo-fencing ▪ Configurable alarms (e.g. SMS sent for harsh breaking)
Reporting	▪ Reports for chosen period – travel history, driver profile ▪ Rules of the road - monitor driving and resting periods ▪ Incidents overview – harsh breaking/accelerating, route violations...
Visualization	▪ Route compliance monitoring – map view ▪ Geo-fencing – map view ▪ Real time fuel level and consumption – graph view



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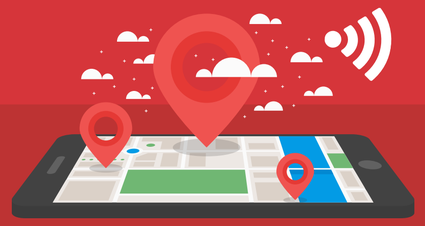
Device - data collected

GPS data	▪ Position ▪ Altitude ▪ Eco driving ▪ Green driving ▪ Crash detection ▪ Towing detection
Sensor data	▪ RFID 1-Wire ▪ iButton 1-Wire ▪ Temp. 1-Wire ▪ 3 digital inputs ▪ 2 analog inputs ▪ 2 digital outputs ▪ Bulit-in accelerometer
Board computer data for light vehicles	▪ Vehicle Driven Distance ▪ Total fuel consumption ▪ Fuel level (Dashboard) ▪ Engine speed (RPM) ▪ Vehicle speed (wheel) ▪ Acceleration position



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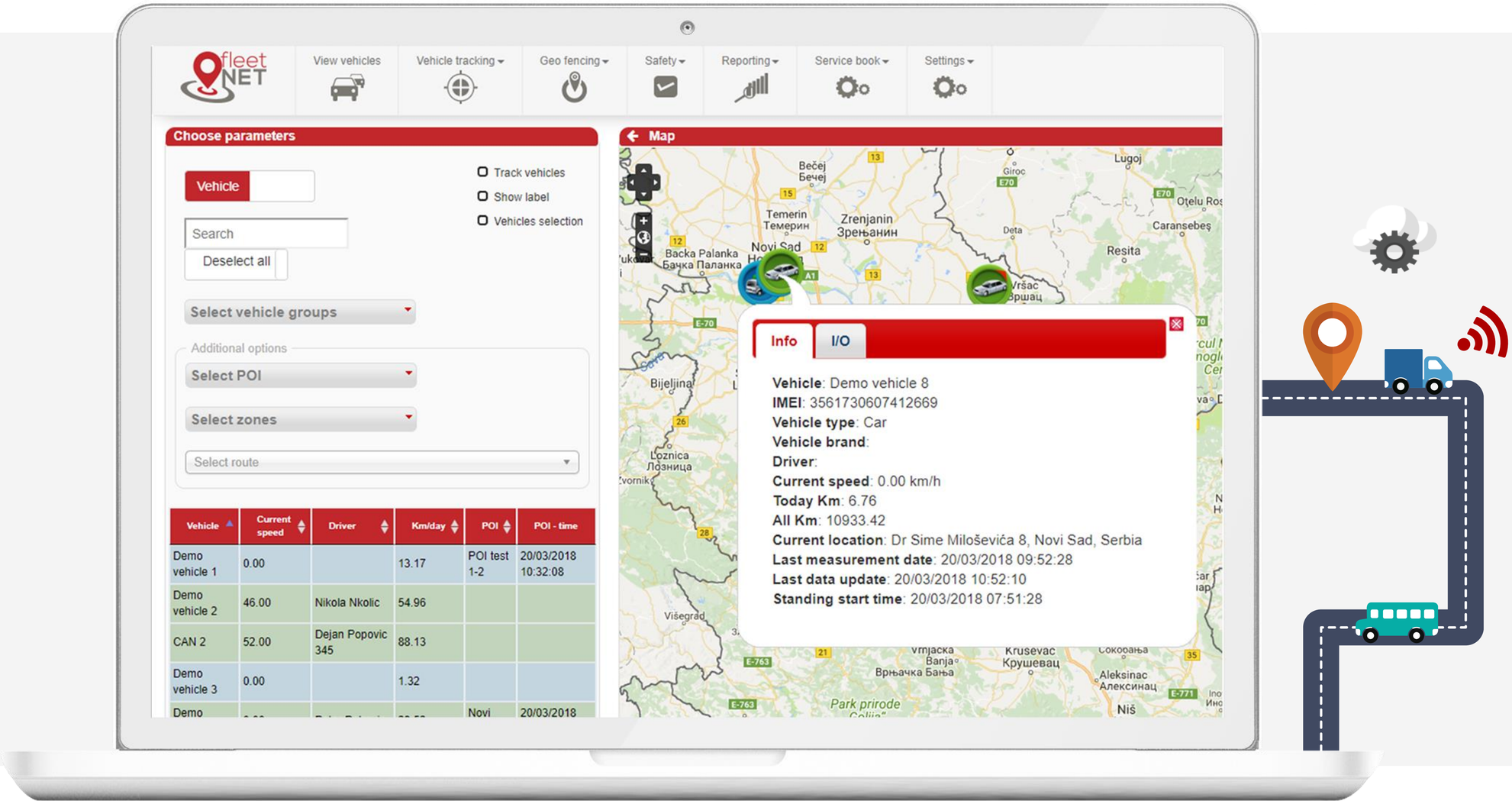
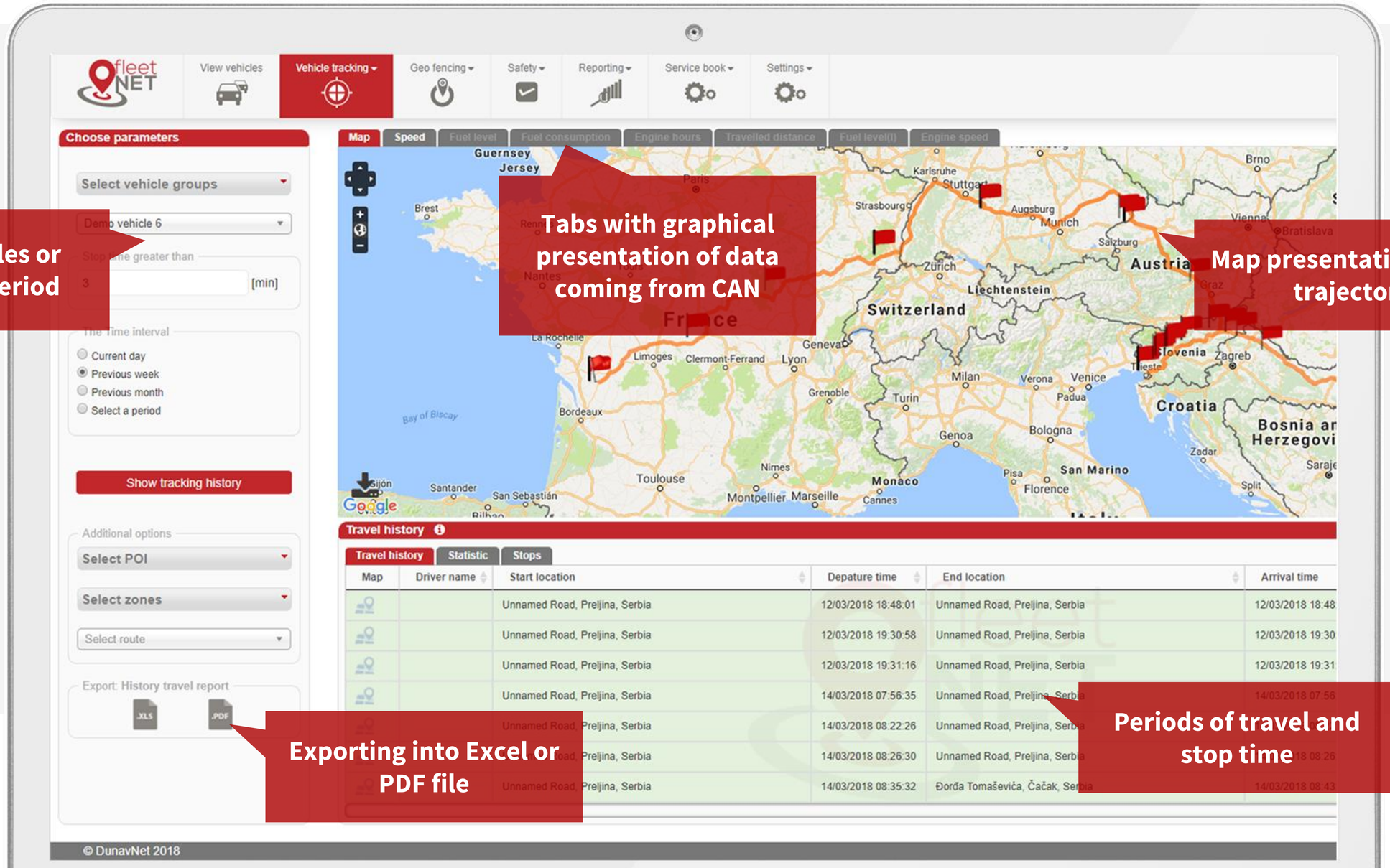
Solution - Current vehicles' location



Solution - Travel history



Choose vehicles or drivers and period

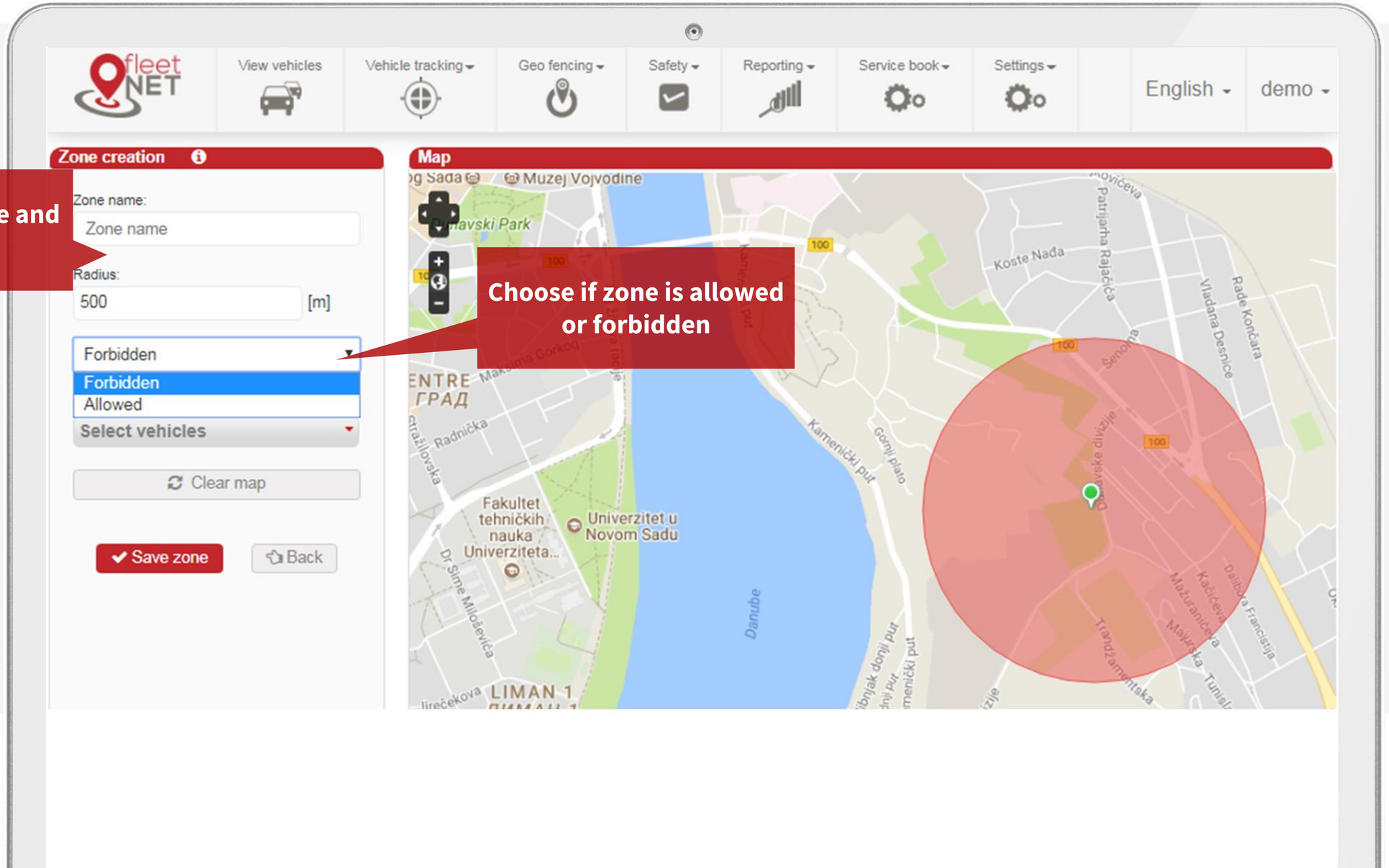
Tabs with graphical presentation of data coming from CAN

Map presentation of the trajectory

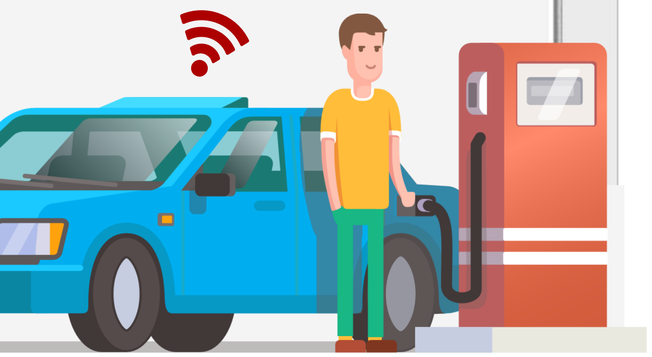
Exporting into Excel or PDF file

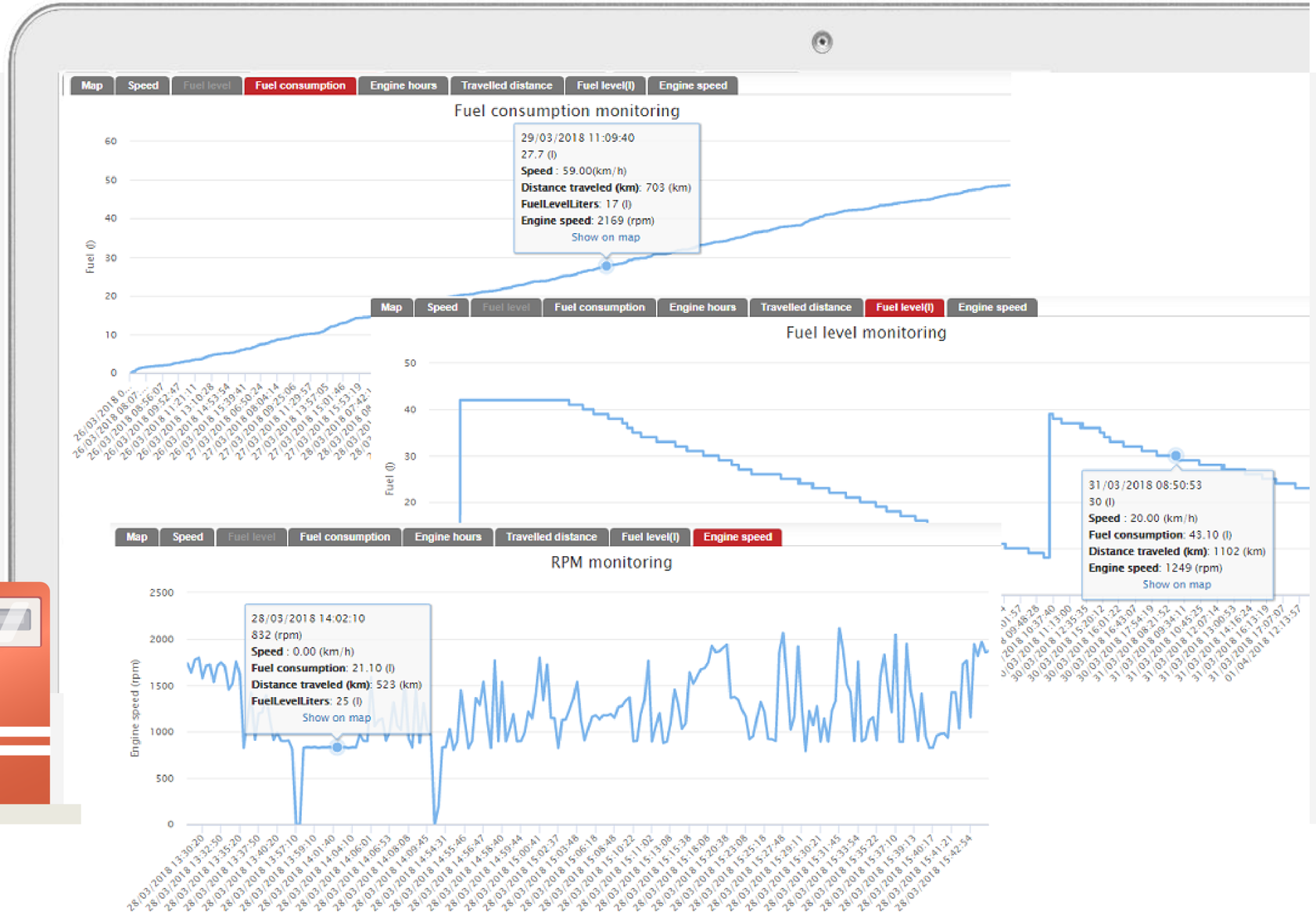
Periods of travel and stop time

Solution – GEO-fencing



Solution - CAN data on graphs





Solution - Concrete transport monitoring

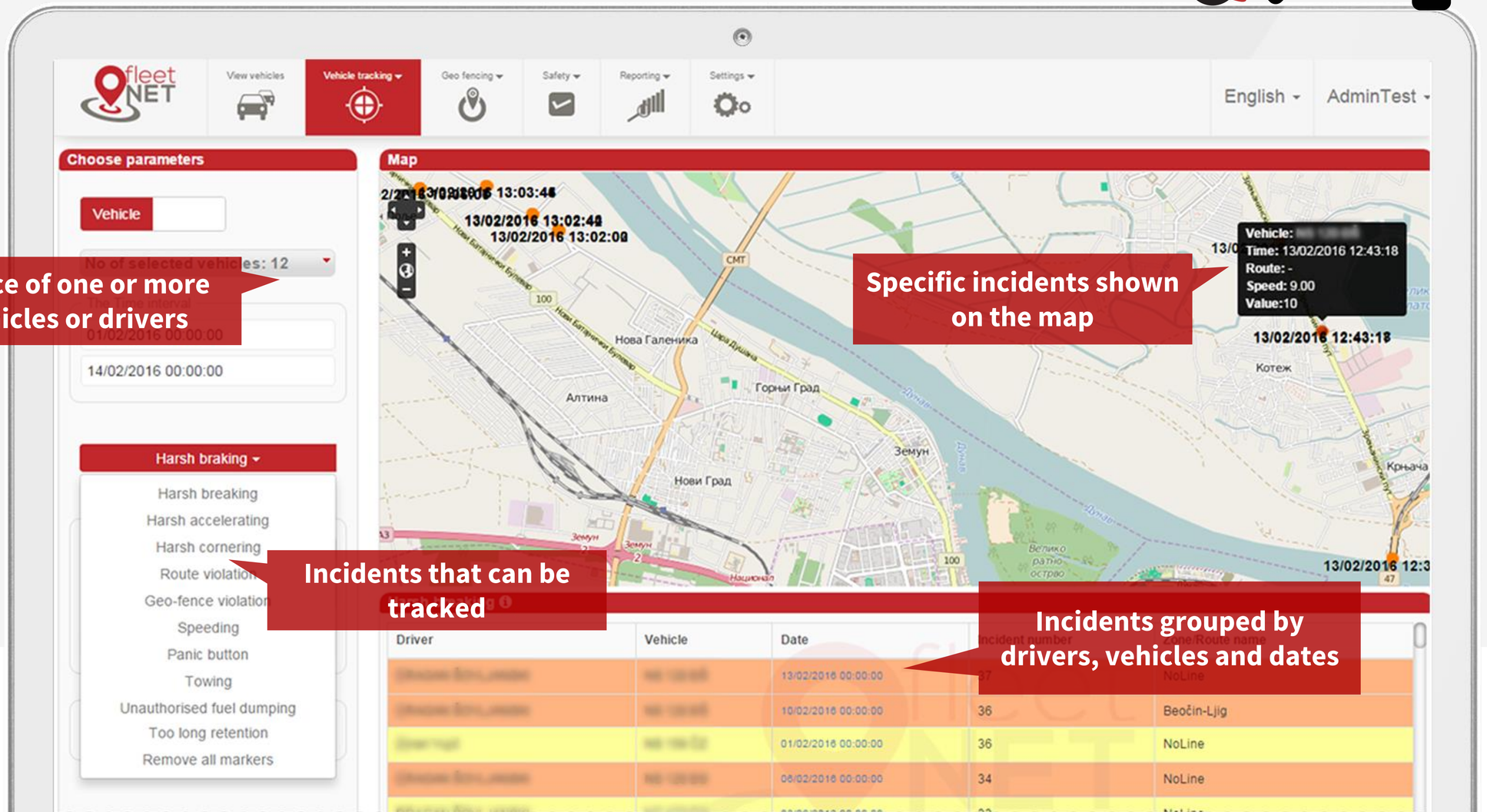
Choose vehicles or drivers and period

Places where concrete unloading happened shown on the map

Concrete transport – blue Concrete unload - yellow

Exporting into Excel or PDF file

Solution - Incidents



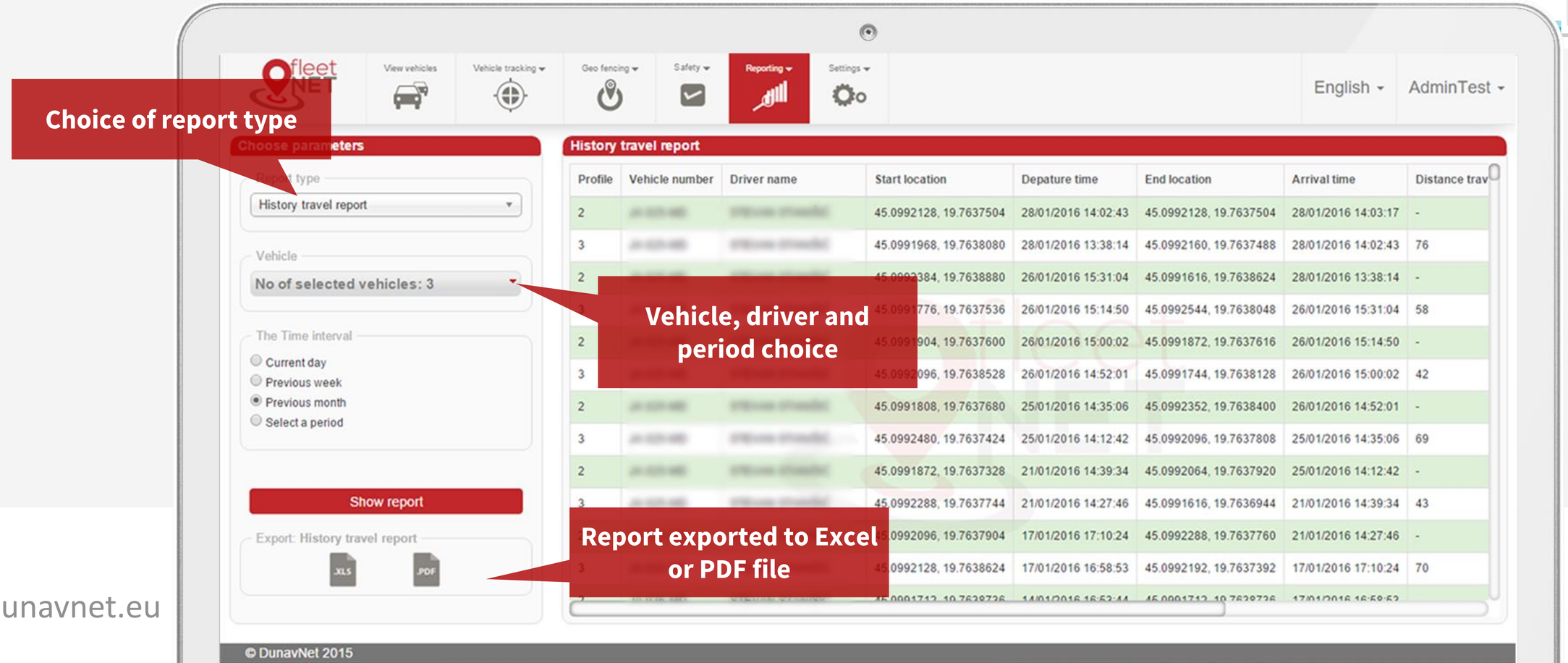
Choice of one or more vehicles or drivers

Specific incidents shown on the map

Incidents that can be tracked

Incidents grouped by drivers, vehicles and dates

Solution - Reports

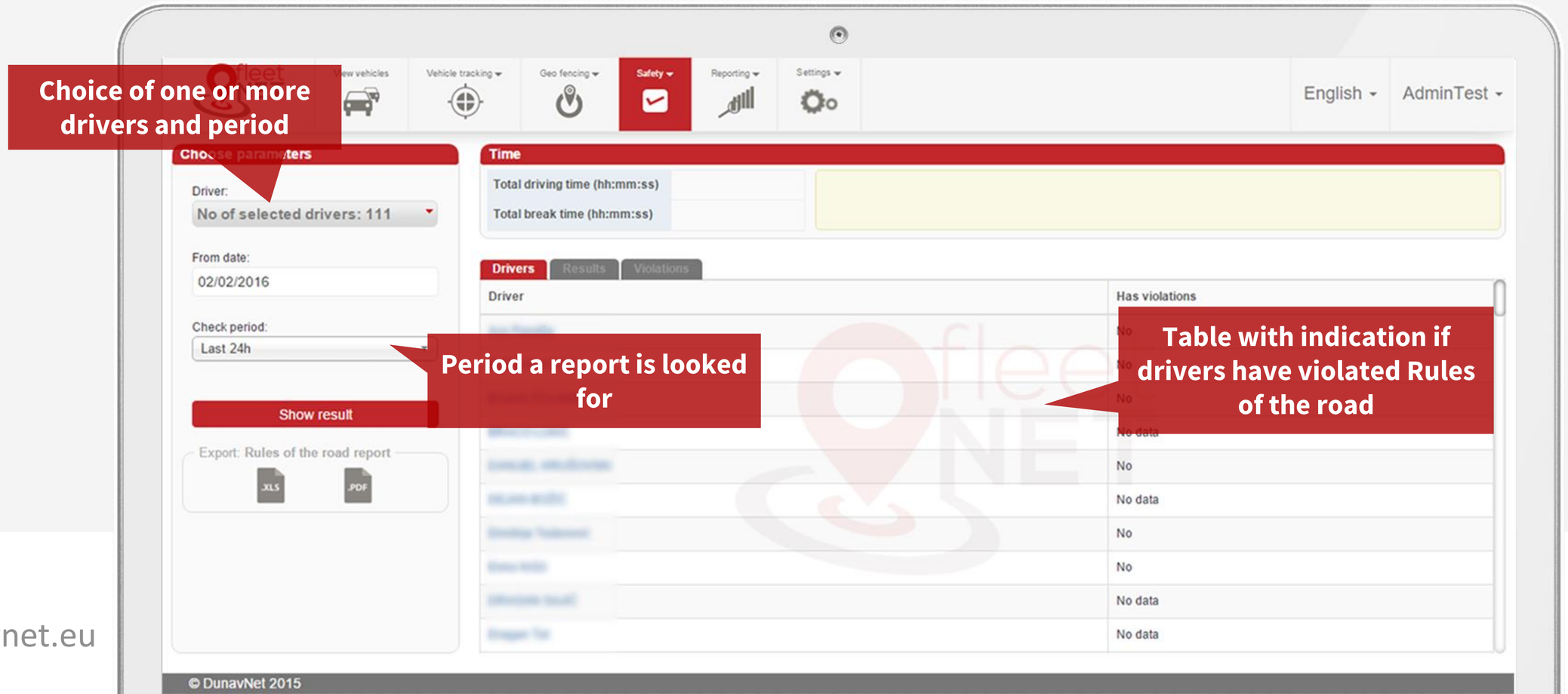


Choice of report type

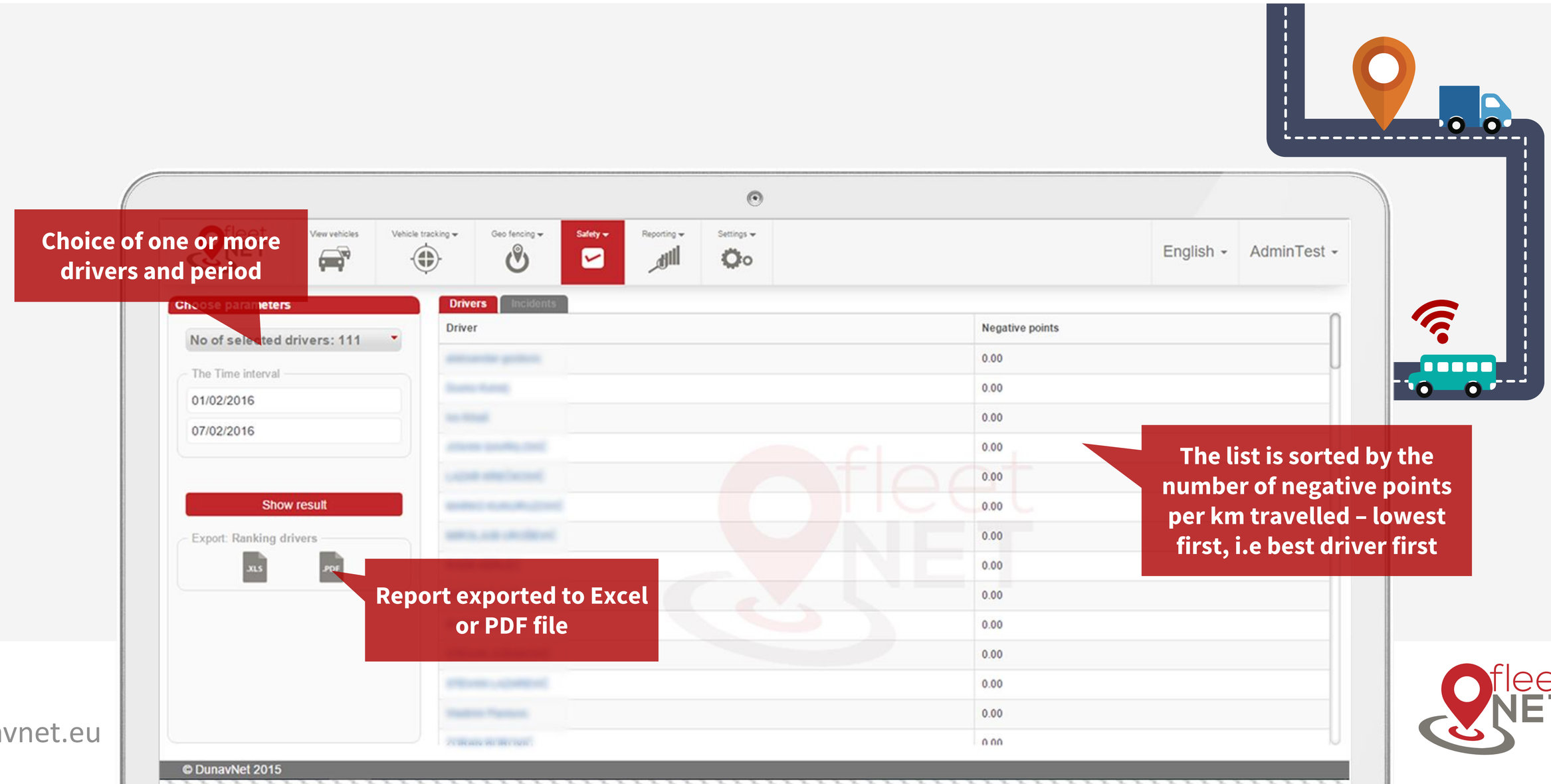
Vehicle, driver and period choice

Report exported to Excel or PDF file

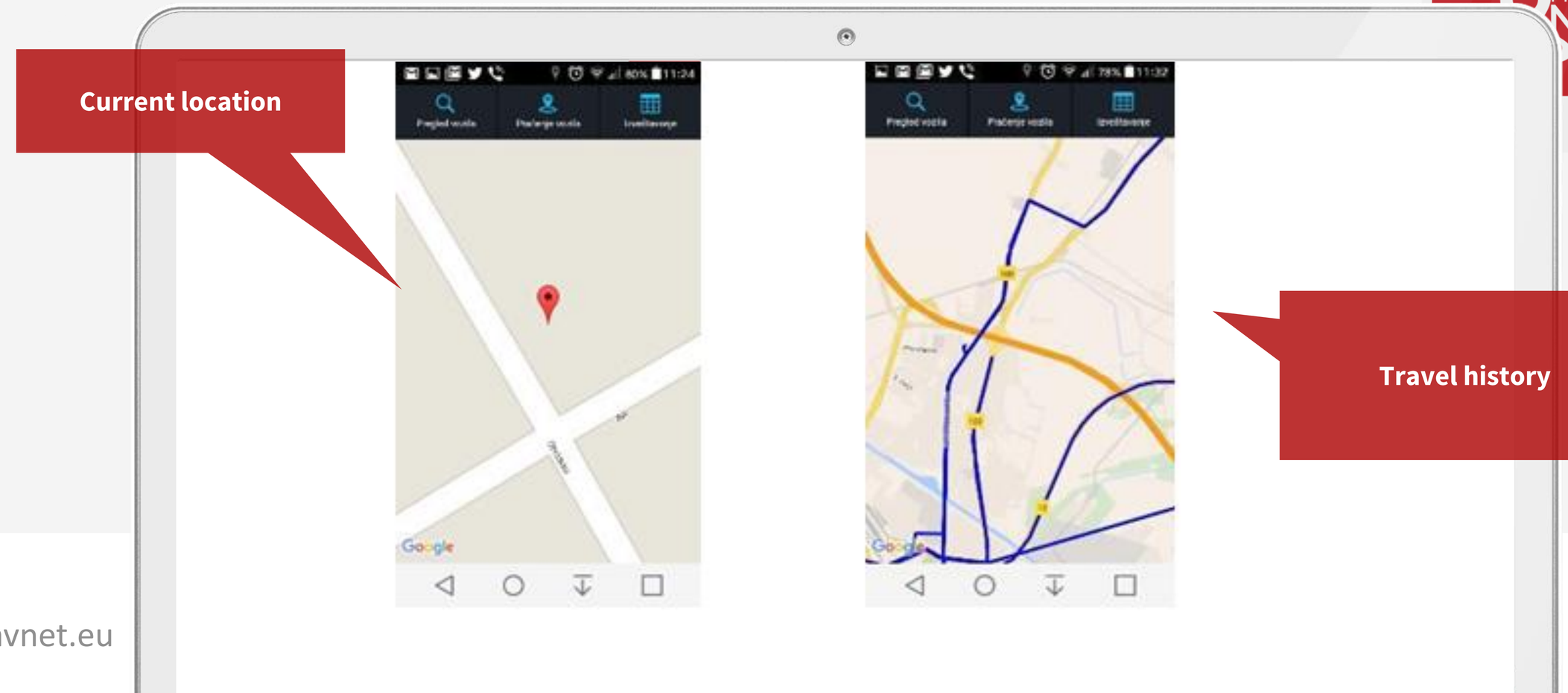
Solution - Rules of the Road



Solution - Drivers' Ranking



Solution – Mobile application



Technologies used

GPS devices

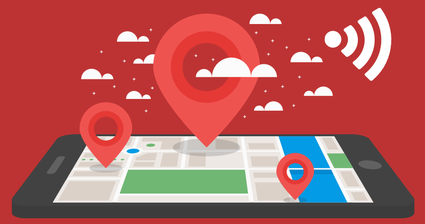
- GPS device from different vendors are used (Teltonika, Ruptela)
- Communication over GPRS

Cloud

- Cloud based infrastructure enables efficient data processing and storage

Web and mobile applications

- Providing data to end users in real- time



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More info:

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