

Increasing your business performance  
through fleet data driven control  
and management



**fleet2track**

Drive Data Driven



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**Fleet2Track** maximizes your fleet's productivity through the monitoring and the advanced analysis of the data collected through the sensors.

**Fleet2Track** works in synergy with you and your fleet to:



### **PROTECT**

Protecting your vehicles and people, preventing dangers and unnecessary cost

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### **CONTROL**

Keeping control of all the variables that revolve around your business

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### **OPTIMIZE**

Transforming data and information into elements useful for maximizing productivity



## ON-BOARD UNIT

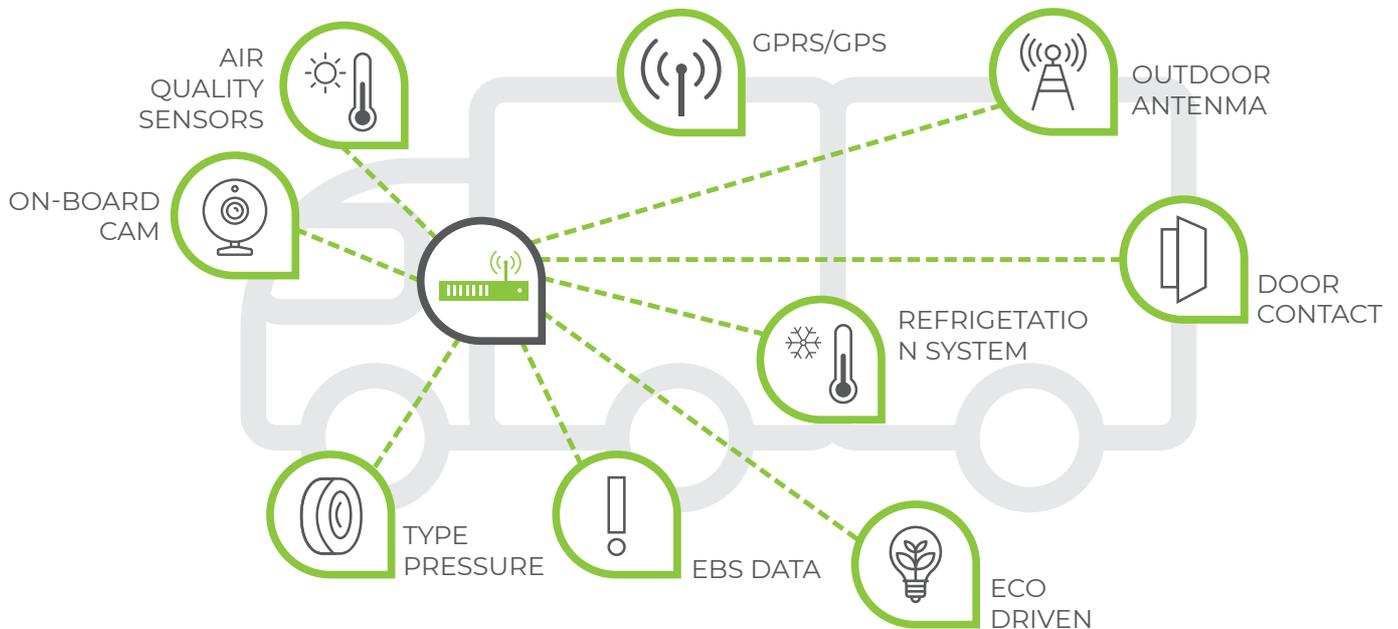
Connect your fleet

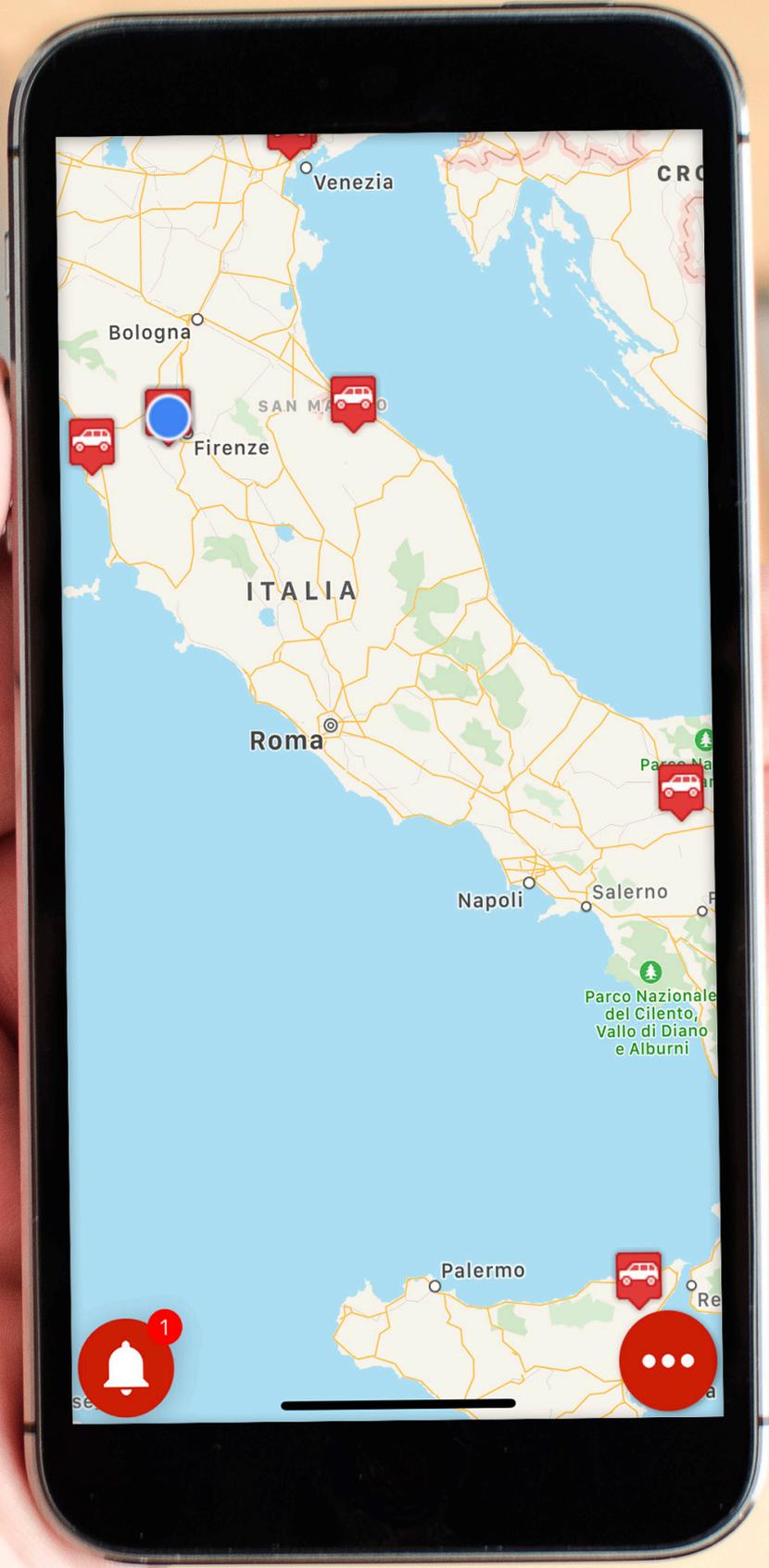
The On-Board Unit (**OBU**) can be installed on each vehicle that you want to monitor.

This unit can be connected to several on-board sensors, collecting and communicating data to the operations center.

The data are collected using an integrated GPRS/UMTS modem, with GPS, which allows real-time tracking of the movements of the vehicle on the territory.

The operations center will have a dashboard available to all the data coming from the **OBU**.







## RETURN ON INVESTMENT

Here is an example of the return on investment of a real customer with a fleet of 15 vehicles during the first year of Fleet2Track fleet management system implementation.

	NUMBER OF VEHICLES IN THE FLEET	<b>15</b>
	KILOMETERS TRAVELED ANNUALLY PER VEHICLE	<b>20000</b>
	DRIVER'S SALARY PER HOUR	<b>€ 20</b>
	BILLING RATE PER HOUR	<b>€ 40</b>
	AVERAGE PRICE OF FUEL PER LITER	<b>€ 1,9</b>
	AVERAGE KPI/VEHICLE	<b>16</b>



## HOW MUCH AND HOW DO YOU SAVE PER YEAR?

	HOW DOES F2T IMPACT?	WHY?	HOW MUCH REMAINS IN THE COMPANY COFFERS?
	<b>LESS MAINTENANCE</b>	Thanks to the instantaneous detection of anomalies and the correction of the driving style	<b>+ € 75.018</b>
	<b>MORE PRODUCTIVITY</b>	Thanks to the optimization which affects the reduction in the number of hours needed to complete deliveries and the reduction of the kilometers traveled	<b>+ € 32.256</b>
	<b>LESS FUEL</b>	Thanks to the control of consumption, driving style, supplies and performance optimization	<b>+ € 5.700</b>
	<b>LESS ACCIDENTS</b>	Thanks to the functional check to improve the driver's behavior	<b>+ € 11.400</b>
	<b>MORE PROFITABILITY</b>	Thanks to the optimization of work and the general performance at the vehicles	<b>+ € 18.432</b>





## PROTECT

Protecting your vehicles and people, preventing dangers and unnecessary cost.



### YOUR TEAM

- Monitoring of the attention threshold
- Monitoring of the psychophysical health
- Monitoring of alcoholic substances in circulation



### ROAD USERS

- Detection of safety distance
- Detection of the lane
- Detection of collision risk
- "Man down" functionality



### YOUR FLEET

- Crash risk monitoring
- Live cam functionality with the visual on the driver
- Vehicle ignition only with RFID TAG in the driver's possession





## CONTROL

Keeping control of all the variables that revolve around your business.



### PEOPLE

- RFID driver recognition
- Monitoring stamps and times



### VEHICLES

- Complete check-up of vehicle status
- Real-time detection of the position
- Detection of external environmental conditions



### OPERATIONS

- Driving style detection
- Monitoring of all tasks



### DATA

- Backup
- Performance analysis



## OPTIMIZE

Transforming data and information into elements useful for maximizing productivity



### CONSUMPTION

- Fuel sensors
- Driving style analysis
- Vehicle life maximization



### COSTS

- Management of administrative deadlines
- Fleet productivity optimization



### MANAGEMENT

- Remote multiuser access
- Real-time communications between driver and central office
- Management of interventions from tablets and smartphones
- Management module to assign and manage business plans



# **PROTECT**

Save by preventing unnecessary costs and hazards



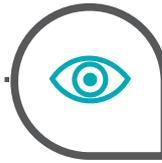
## PROTECT YOUR TEAM

### MONITORING AIR QUALITY



Sensors detect levels of benzene, carbon monoxide, alcohol and other components that can damage the driver

### MONITORING ATTENTION THRESHOLD



The advanced sensor system detects the user's attention threshold, calculates the breaking time from the vehicle in front and interpolates the two data in order to alarm in case of accident risk.

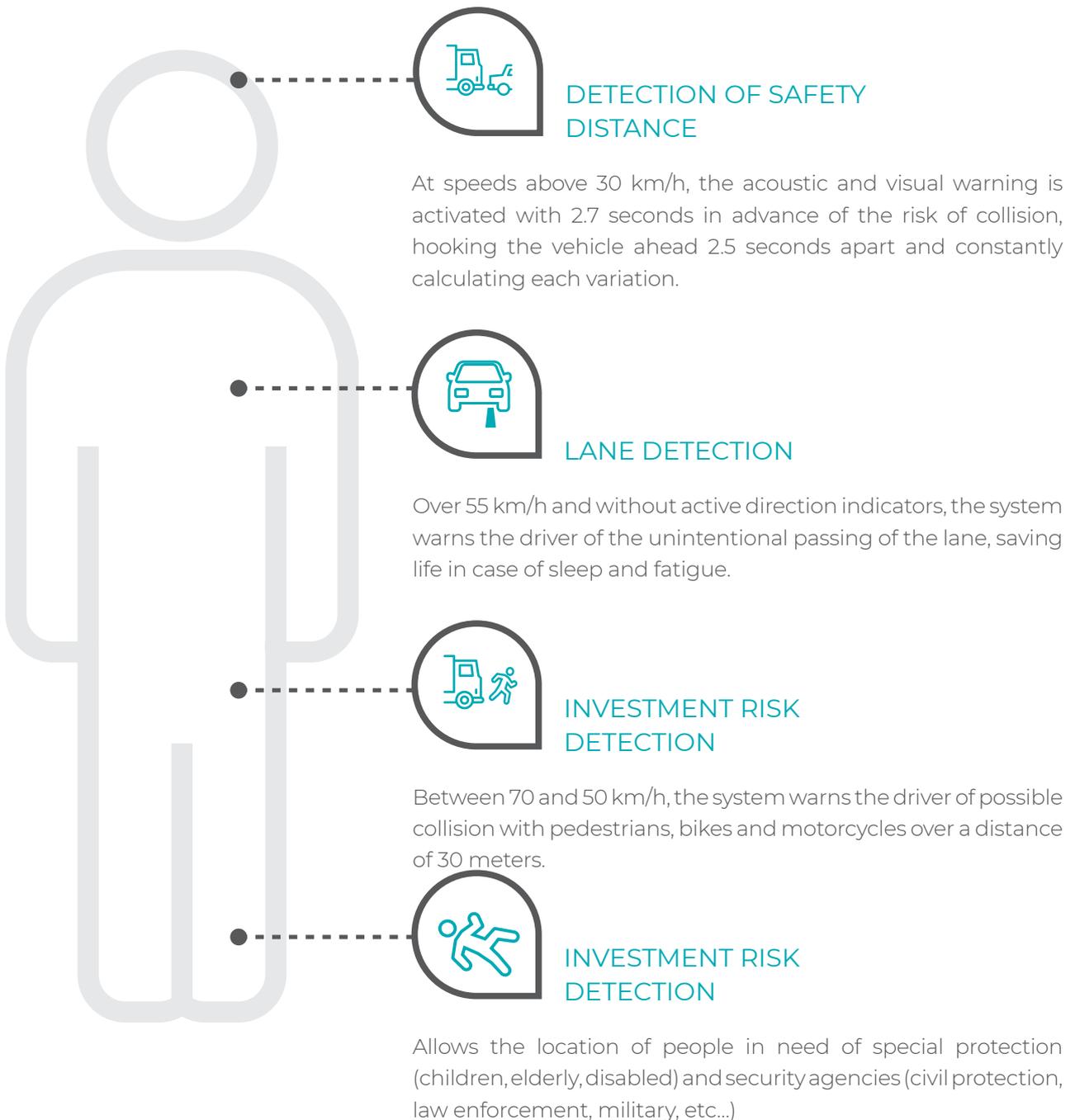


### MONITORING PSYCHOPHYSICAL HEALTH

The sensors installed in the driver's jacket detect the heartbeat and the surrounding environment, alerting in case of danger. It is possible to equip the vehicle with the Breathalyzer to evaluate the driver's alcohol level.



## PROTECT ROAD USERS



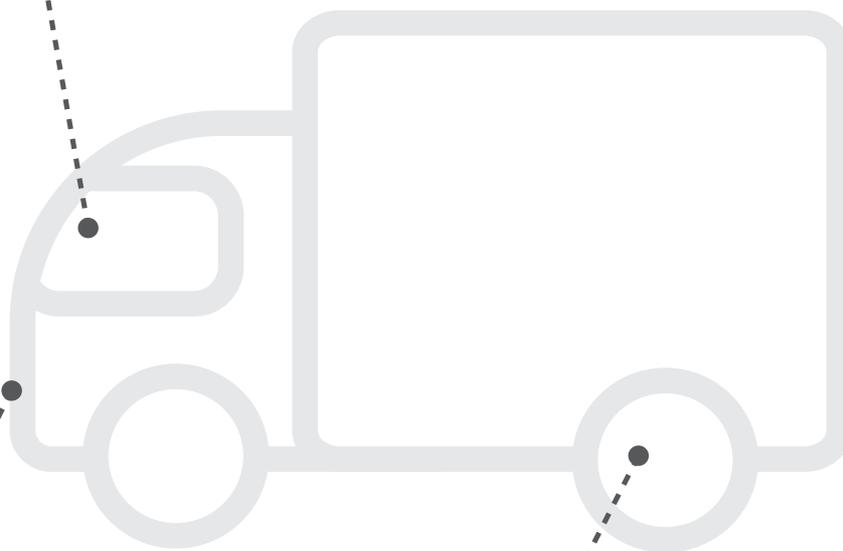


## PROTECT YOUR FLEET



### ON-BOARD CAM WITH DRIVER'S VIEW

The camera connected to the on-board control unit monitors and records on a real-timed SD card everything that the driver sees and what happens on the back of the vehicle. In this way it is possible to reconstruct ant claims.



### CRASH RISK MONITORING

In case of danger, the sensors arranged along the entire perimeter of the vehicle send an alarm notification to the server.



### VEHICLE IGNITION WITH RFID TAG

Start-up can only be authorized by drivers equipped with TAG RFID recognized by the OBU. Informations are instantly sent to the control panel.





Velocità (7) - Azioni (5) - Data: 30/07/2018 00:00 - 06/08/2018 23:59 - MOSTRA

- Mezzi/Selezionati
- Seleziona tutto
  - EWAZTMA
  - EWAZNMA
  - EWAZKMA
  - EWAZLMA
  - EWAZPMA
  - EWAZQMA
  - EWAZRMA
  - EWAZSMA
  - EWAZTMA
  - EWAZVMA



MARTINI DUMAS SpA

Navigation icons: Home, Search, Dashboard, Settings, Help, Logout, Refresh, Print, Fullscreen, Close.



# **CONTROL**

Keeping control of all the variables that revolve around your business



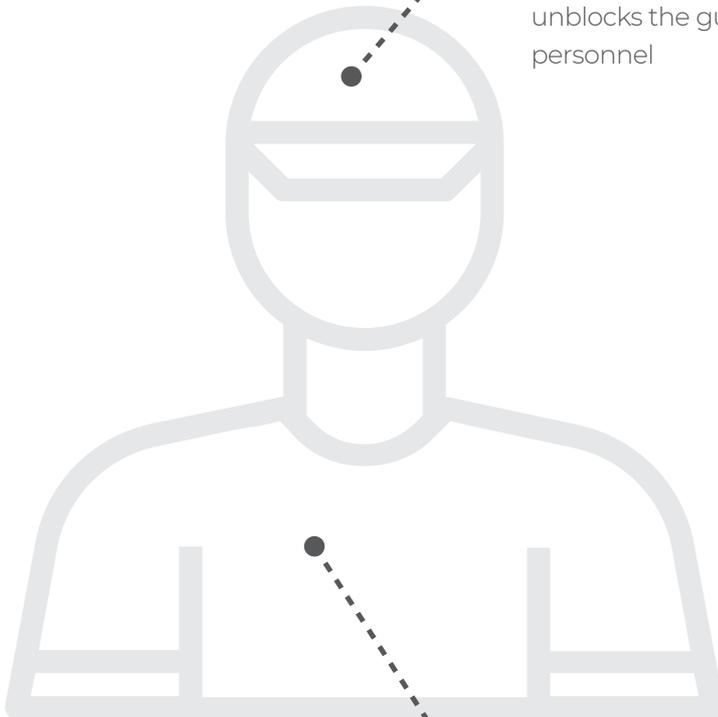
## CONTROL PEOPLE

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### RFID DRIVER RECOGNITION

The vehicle recognizes your drivers and unblocks the guide only with authorized personnel



### MONITORING OF STAMPS AND TIMES

RFID functionality allows you to monitor attendance and working hours





## CONTROL VEHICLES



### COMPLETE CHECK-UP OF VEHICLE STATUS

Access with a click all the data related to:

- ▶ Error codes
- ▶ Status of the electrical connection
- ▶ Average pressure braked
- ▶ Tire wear and pressure
- ▶ Anti-tipping intervention
- ▶ ABS events
- ▶ Breaking behavior analysis
- ▶ Kilometers traveled
- ▶ Fuel level
- ▶ Average fuel consumption
- ▶ Engine liquid temperature
- ▶ Loading temperatures
- ▶ Opening and closing of the doors of the vehicle



### DETECTION OF EXTERNAL ENVIRONMENTAL CONDITIONS

Le condizioni esterne sono fondamentali, per questo i sensori Fleet2Track ti informano sui livelli di inquinamento dell'aria anche all'esterno del mezzo.



### REAL-TIME DETECTION OF THE POSITION

Receive the position of your vehicle in real time. You can also equip your driver with a GeoTag, through which he can geolocate himself even when he gets off the vehicle



## CONTROL THE OPERATIONS

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### DRIVING STYLE DETECTION

MyTracking analyzes the driving style of your team and provides you with data and acoustic signals in case of danger



### MONITORING OF ALL TASKS

CanBus is the feature that allows you to instantly check all the lights in the cockpit, to prevent hazards and verify the correct behavior of drivers, such as the lack of the seat belt harness

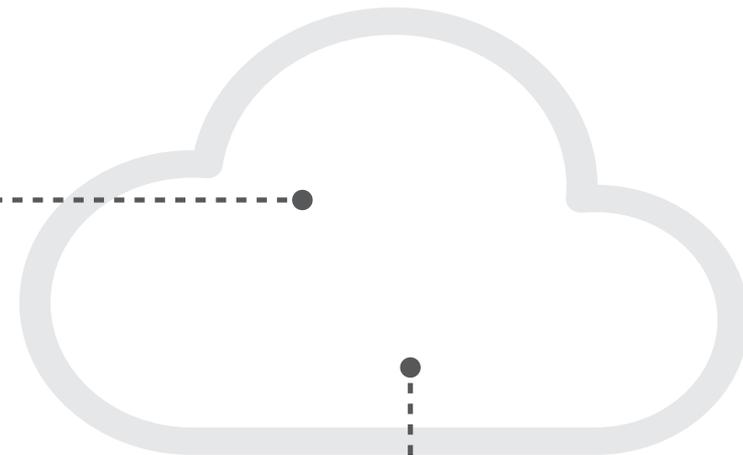


## CHECK THE DATA



### BACKUP

All the data can be transmitted via GPRS and satellite, then they are saved on the server for a prompt availability and a safe storage even at a distance of time and in case of accidental loss.



### PERFORMANCE ANALYSIS

All data can be used for advanced statistical analysis that allows you to optimize work and reduce costs by eliminating waste and inefficiency







# OPTIMIZE

Transform data and informations into functional elements for maximizing productivity



## SAVE BY REDUCING CONSUMPTION



### FUEL SENSORS

Our sensors have a measurement accuracy of over 99.3%. they allow you to save up to 15% of fuel. For example, on an annual cost of €25,000 of fuel, you can save up to €3,750



### DRIVING STYLE ANALYSIS

The driving style affects both the consumption and the life of the vehicle, Fleet2Track provides you and analyzes the data relating to:

- ▶ Acceleration and maximum speeds
- ▶ Braking
- ▶ Use of the gearbox
- ▶ Fuel consumption and level
- ▶ Actual driving hours
- ▶ Stop hours with engine off and on and off from the specific point assigned
- ▶ Engine hours
- ▶ Kilometers traveled during the week and weekends



### VEHICLE LIFE MAXIMIZATION

Having such in-depth analyzes at your disposal allows you to intervene promptly on everything that threatens the longevity of your fleet, saving on extraordinary mechanical interventions.



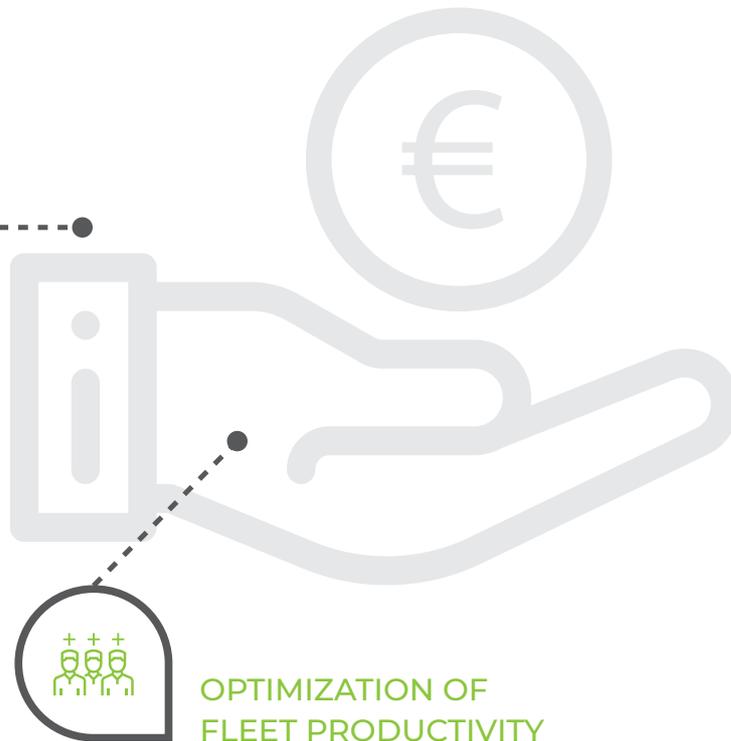
## SAVE BY REDUCING COSTS



### MANAGEMENT OF ADMINISTRATIVE DEADLINES

If you know the deadlines, you avoid incurring unwanted sanctions!  
For this reason Fleet2Track warns you in total autonomy about:

- ▶ End hire of vehicles
- ▶ Tire change
- ▶ Coupons
- ▶ Maintenance and repairs
- ▶ Expiry of licenses, stamps, insurance



### OPTIMIZATION OF FLEET PRODUCTIVITY

Our advanced data analysis system allow you to find the best combination of driving, pause and rest to maximize the productivity of your team





## SAVE BY OPTIMIZING MANAGEMENT

### REMOTE MULTI-USER ACCESS



Optimizes work management by giving external users access to the system

### REAL TIME COMMUNICATIONS BETWEEN DRIVER AND CENTRAL



Save time by communicating in real time through the touch display:

- ▶ Send and receive text messages
- ▶ Notifications of reading and receiving messages
- ▶ Planning and navigation work route

### MANAGEMENT MODULE TO ASSIGN AND MANAGE ACTIVITY PLANS

FleetForce is the advanced management plan for business plans

- ▶ Assign work plans and lists of interventions to be performed
- ▶ Ask the operator to complete the intervention report
- ▶ Receive the work report in real time
- ▶ Collect and cross-check all the information generated by the fleet monitoring system and operators' smartphones
- ▶ Check-in and check-out of operators
- ▶ Enter geosensitive reminders to recall important information when the operator returns to the same point

### MANAGEMENT OF INTERVENTIONS FROM TABLETS AND SMARTPHONES



F2T Communicator manages the workflow, making you coordinate all the interventions from tablet and smartphone



