



Wholesale Market

Wholesale Tracking Solutions

Monitor your company fleet in real-time and protect your products until the moment of delivery



Wholesale Tracking Solutions

Wholesale Tracking Solutions is a tracking solution with two profiles:

- **VEHICLE TRACKING** to track vehicles;
- **OBJECT TRACKING** to track products/objects/things.

Service features

Assistance

Mon-Fri 9am-6.30pm

- **VE - TRACK (VEHICLE TRACKING)**
Vehicle position detection approx. every three minutes
- **OB - TRACK (OBJECT TRACKING)**
Detection of object position 10 times in one day for an average battery life (non-rechargeable) of two years

Who is it for?

- **VE - TRACK (VEHICLE TRACKING)**
 - Anyone with a vehicle who wants to track it in real-time by receiving its position.
Corporate Fleet Management.
Cold Chain Management.
Insurance for the detection/certification of crash events, place and date.
- **OB - TRACK (OBJECT TRACKING)**
 - There are many areas of application, and it is not possible to identify all cases. For example, you can use the device to monitor:
 - refrigerated containers
 - containers, trolleys, drums, pallets and swap bodies for handling goods
 - agricultural equipment
 - site equipment (coolers, electric generators, chemical toilets, containers, prefabs, etc.)
 - roll-off vehicles and skips for waste and/or industrial waste collection
 - airport trolleys
 - railway wagons
 - high-value industrial semi-finished products (special transport of wind turbines, electrical or hydraulic infrastructure elements, etc.)
 - valuables (works of art, musical instruments, paintings...)



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Description of the service

Wholesale Tracking Solutions is a tracking solution with two profiles:

- [VEHICLE TRACKING](#) to track vehicles;
- [OBJECT TRACKING](#) to track products/objects/things.

VE - TRACK (VEHICLE TRACKING)

A complete solution designed for all companies and all categories of transport vehicles, from simple cars to lorries. It makes it possible to manage and protect the fleet, optimise routes, increase the efficiency of personnel and equipment available to the business, and certify the activities carried out in the area for customers.

The solution includes GPS devices and real-time management of the company fleet, monitoring routes, stops, kilometres travelled, activities and missions.

The Basic profile includes:

- One GPS device with one SIM
- national data traffic included
- Installation
- on-site maintenance.

The following data must be provided to configure the service:

- EMAIL ADDRESS for notification of the service's activation and the Web Platform access credentials
- CONTACT DETAILS (TELEPHONE) to be used in case of need especially during installation/maintenance
- ADDRESS where to install the GPS device(s) in the vehicle

You can then choose the following additional services:

- Europe Localisation Option
- Temperature monitoring option
- Trailer and semi-trailer tracking option
- Additional GPS tracker
- Black Box Certification and CANBUS Data Reading



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Onboard control unit

The control unit supplied by default with the WAY solution is Automotive approved according to UN/ECE Regulation 10. It is therefore authorised for fitting on vehicles without affecting their warranty or operation.

Subscribing to the **Blackbox and Canbus** option provides a control unit that, in addition to being Automotive approved, is certified as a 'Blackbox system' under CEI 79-56.

Therefore, this control unit is a 'black box' for logistics, security, and data collection applications relating to the activity carried out by the vehicle. In particular, thanks to the triaxial accelerometer, the device immediately and automatically detects and signals any 'crash' events. All events transmitted to the control centre are accompanied by the date, time and GPS position data for easier reconstruction of the event.

In addition, this control unit:

- allows access to insurance premium discounts offered by insurers with this offer model
- complies with the technical requirement of Ministerial Decree 12.12.2000 and subsequent amendments (acquisition of 20 to 60 points thanks to the installation of a black box - event recorder complying with standard CEI 79-56 of 01/07/2009 - for the 'prevention of road risk') on the reduction of the INAIL premium for eligible companies.

In both cases, the vehicles may be owned or hired by the company.

The Blackbox control unit also allows a connection to the onboard Canbus for remote reading of CAN data via the WAY WEB platform, which usually includes data from the dashboard (warning lights, etc.) and the percentage level of tank filling to control diesel consumption. The data transmitted by the onboard CAN depends on the model fitted by the vehicle manufacturer.

Subscription to the Blackbox and Canbus option must be simultaneous with subscription to the geolocalisation service and may also concern part of the overall supply.

When subscribing to the offer, the customer will receive a communication requesting the vehicles and number plates on which the GPS control units are to be installed. The request is to specify on which vehicles the Blackbox control units are to be installed.



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Optional additional resources

Additional WAY service option: additional localisation service. In addition to the first service included, you just need to indicate the number of missing pieces to arrive at the total number of vehicles on which you intend to fit a GPS (e.g., for 10 vehicles, you will need to indicate nine additional services to the one included with the initial selection). You can also supplement the supply over time.

Blackbox and Canbus option: the option, to subscribe to at the same time as the geolocalisation service for part of the supply, allows you to receive the installation of a BlackBox control unit and the reading of on-board Canbus data, including typically the monitoring of diesel consumption. The platform represents the diesel figure by the percentage level of tank filling after setting the litre capacity of the vehicle model on which the device is mounted. The customer can cross-reference the figure with the kilometres travelled to check the congruence between consumption and vehicle journeys.

Temperature monitoring option: the option includes the supply and installation of a certified thermo-recorder temperature probe to remotely control the temperature of the refrigeration compartments and set alerts in the event of deviations from the set temperature.

Subscription to the Blackbox and Canbus option must be simultaneous with subscription to the geolocalisation service and may also concern part of the overall supply. When subscribing to the offer, the customer will receive a communication requesting the vehicles and number plates on which the GPS control units are to be installed. The request is to specify on which vehicles the remote temperature control probes are to be installed.

Equipment option for trailers and semi-trailers: the option allows the provision of additional protection for the installation of a geolocation system on trailers and semi-trailers.

Europe Localisation Option: the option allows you to receive position data on the Platform even when vehicles are travelling in European countries. The basic solution only includes national data transmission (vehicles circulating in Italy).



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Features

The main features of the solution are:

- Constant monitoring
- Remote and multi-device control of all vehicles, via access to the TIM WAY WEB cloud platform, to locate them on Google maps in real time
- Historical data check
- Creation, display and saving of summary or detailed reports for individual vehicles or fleets
- Setting up points or areas of interest for your activity
- Configuration, with the support of WAY assistance, of alerts to be received on the platform or by email.

Complete offer with:

access to the WAY WEB Platform, with no limit on the number of users
on-board satellite device
installation and service on-site and also at your own premises, in the most convenient location without having to stop your fleet
SIM and data transmission from the device to the platform (in Italy).

The Platform

Access to the WAY WEB cloud platform is provided to:

- display your objects on a map on a real-time and historical basis
- view and download reports in excel or pdf format
- set up your own Areas or Points of Interest on a Google map
- receive alerts according to their configuration and customisation needs.

The WAY WEB Cloud Platform is accessible via the Internet and does not require any software installation; you can access your data anywhere, whether from a computer, smartphone or tablet. There is no limit to the number of users who have access to the WAY WEB Platform and it is up to the Customer to choose who will manage the monitoring of its assets.

The advantages

With VE - Track (Vehicle tracking), you have a turnkey solution to manage, monitor, and control all your vehicles and activities on the ground from a single platform. Specifically:

- optimisation and rationalisation of your corporate fleet, creating efficiencies and saving time and money
- real-time control of the location of their vehicles and, on a historical basis, the routes taken



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- check the progress of planned activities and take rapid action to assign urgent tasks by searching for the nearest vehicle directly on the map
- certification of activities to your customers
- management of Points of Interest (POI) and Areas, with autonomous creation on a map of the main places of activity and destination
- Receipt of alerts on the platform and by email in case of anomalies.

OB - TRACK (OBJECT TRACKING)

The solution allows products/goods to be tracked and protected until the moment of delivery.

It will be possible to track and protect company valuables as they move around, especially ones without a power source. Thanks to a self-installing, robust and small device, it will be possible to receive geo-located position data via GPS directly on the WAYWeb cloud monitoring platform. An alert will warn of movement from a Point or Area of Interest, identified on a Google map.

The solution includes:

- Access to the WAYWeb platform, without limits on the number of users and with the possibility of managing Points and Areas of Interest, to set and receive alerts in the event of abnormal movements
- CE-marked satellite (GPS) and mobile base (GPRS/GSM) tracking device
- Data transmission (including SIM) from the device to the platform (in Italy): 10 times a day and alert
- 24-month warranty and on-site assistance

The following data must be provided to configure the service:

- EMAIL ADDRESS for notification of the service's activation and the Web Platform access credentials
- CONTACT DETAILS (TELEPHONE) to be used in case of need especially during maintenance
- ADDRESS where to send GPS device(s)

The following additional services are provided:

- Rechargeable battery option
- Temperature measurement option
- Europe Localisation Option
- Distance Measurement Option
- Additional GPS device



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Technical specifications

The technical characteristics of the GPS device are as follows:

- main components: Arm M0+ microprocessor, GSM/GPRS modem, GPS and Glonass locator
- small size of electronic circuit, 68x20x7mm
- power supply with primary battery size D
- virtually zero standby power consumption and very long battery life
- long range data transmission to the cloud platform
- robustness and imperviousness to atmospheric agents, sealed container
- internal antennas (GPS/Glonass, GSM/GPRS)
- easy maintenance with remote diagnosis and firmware update and energy monitoring
- position calculation using GPS/Glonass technology and cell base (Google)
- integrated motion sensor

Additional options

Temperature monitoring option: allows the device to be equipped with a sensor enabling remote control of the temperature of the place/object where the device is positioned, in the range -30°to +20°. The probe allows for temperature and daily position readings (10 a day). It is possible to set Alerts in the WAYWeb platform in case of temperature deviation from set parameters.

Distance monitoring option: means that the device is equipped with a probe that can measure a distance (and therefore a level/fill) of up to two metres. The WAYWeb platform receives the position and distance data and transforms them into fill values with a map view and graphics. It is possible to set a fill threshold to receive warning messages when it is exceeded.

Rechargeable battery option allows the device to be equipped with a micro-USB connector for charging. The device has a battery life of about 4,000 updates for each recharge cycle, providing several months of operation for a few transmissions per day. You can view the battery level within the WAYWeb Platform.

Europe Localisation Option : the GPS device will mount a profiled SIM to track equipment even when it is deployed abroad.

Additional GPS service: to add more GPS devices as needs grow



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Features

The device

It is an innovative device that allows you to receive 10 position readings per day on a cyclical basis (time) and alerts in the event of movement from a Point or Area of Interest, directly on the map of the WAYWeb Monitoring Platform.

The device has the following features:

- self-contained primary battery ensuring long battery life
- light weight and small size (85x50x38 mm) so that it can be fixed with cable ties, double-sided tape, Velcro or self-tapping screws depending on the type of surface available
- robustness, impact and weather resistance
- 24-month warranty from the date of signing

The Platform

With Geo4Things you have access to the WAYWeb cloud platform to:

- display objects on a map according to the last reading carried out and on a historical basis (data retention for six months)
- create, view and save REPORTS for all or each of the devices
- set up areas or points of interest on a Google map
- receive alerts on abnormal movements based on configurations

The Cloud Platform is accessible via the internet and does not require any software installation. Data can be accessed anywhere, from computer, smartphone or tablet. There is no limit to the number of users who have access to the WAYWeb Platform.

The benefits

It is a turnkey solution to manage, monitor and control all valuables from a single platform, even without power sources.

Con OB – Track (Object tracking):

- locate and monitor objects and equipment not previously served by conventional GPS units (which require power supply), such as containers, swap bodies, trailers, construction equipment, etc.
- you know where your equipment is and are alerted in case of abnormal movements
- you reduce theft and are more likely to trace your property if it is stolen
- prevent unauthorised use and, with historical research, trace the time of any break-in.





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Share Capital €11,677,002,855.10 fully paid-up