



LEADER EN GEOLOCALISATION ...

**Application
GEO4NET Lite**

1. Introduction

Geo4net Lite is designed to help you track and manage your vehicle fleet efficiently. We have implemented several features to enable intuitive and effective fleet management.

It is available on the Play Store (Android) and the App Store (iOS).

Android :

<https://play.google.com/store/apps/details?id=com.geo4netlight>



iOS :

<https://apps.apple.com/us/app/geo4net-lite/id6475711746>



Here is a user guide for the application to help you understand all its features.

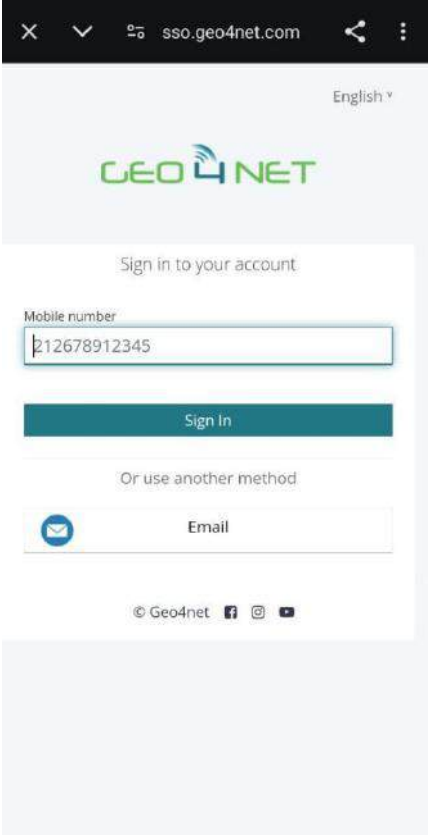
2. Authentication:

Authentication is the first step to accessing the mobile application. When you launch the app, you need to enter your credentials to access your account.



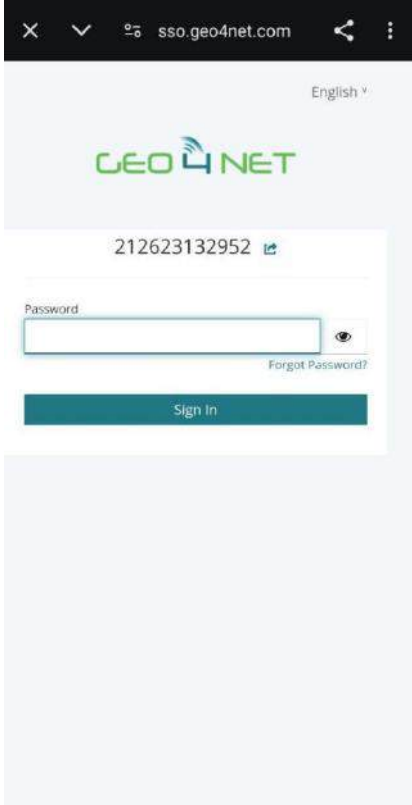
Click the 'Log In' button.

The user should enter his username (phone number) as shown in the example below:



A screenshot of a mobile web browser displaying the login page for sso.geo4net.com. The page has a light gray background. At the top, there's a dark navigation bar with a close button, a dropdown arrow, the URL 'sso.geo4net.com', and share and menu icons. Below this, the text 'English' with a dropdown arrow is on the right. The 'GEO4NET' logo is centered. Underneath, the text 'Sign in to your account' is displayed. A 'Mobile number' label is above a text input field containing '212678912345'. Below the input field is a teal 'Sign In' button. Further down, the text 'Or use another method' is shown. Below that is an 'Email' login option with an envelope icon. At the bottom, there's a copyright notice '© Geo4net' and social media icons for Facebook, Instagram, and YouTube.

Then the password:

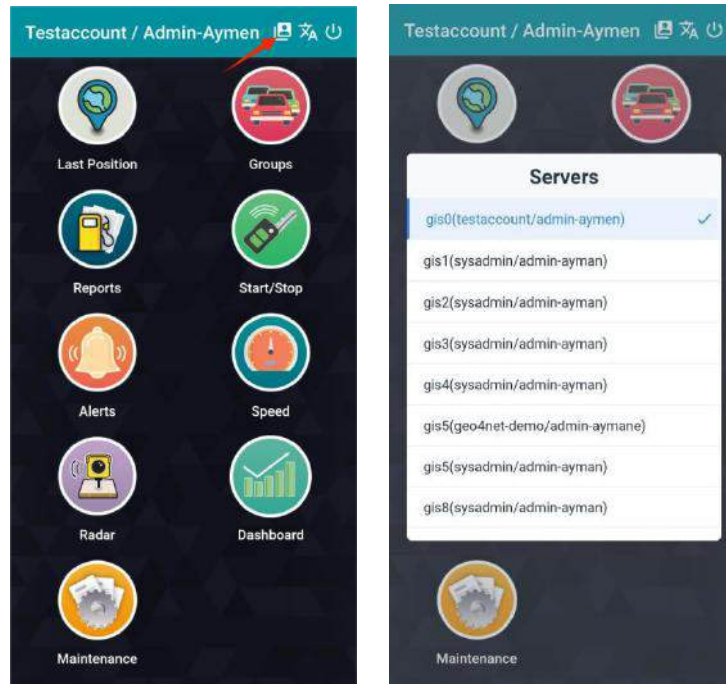


A screenshot of the same mobile web browser showing the password input step. The 'Mobile number' field now displays '212623132952' with a copy icon to its right. Below it, the 'Password' label is above a text input field. To the right of the password field is an eye icon for toggling visibility. Below the password field is a 'Forgot Password?' link. A teal 'Sign In' button is at the bottom of the form area.

3. Settings :

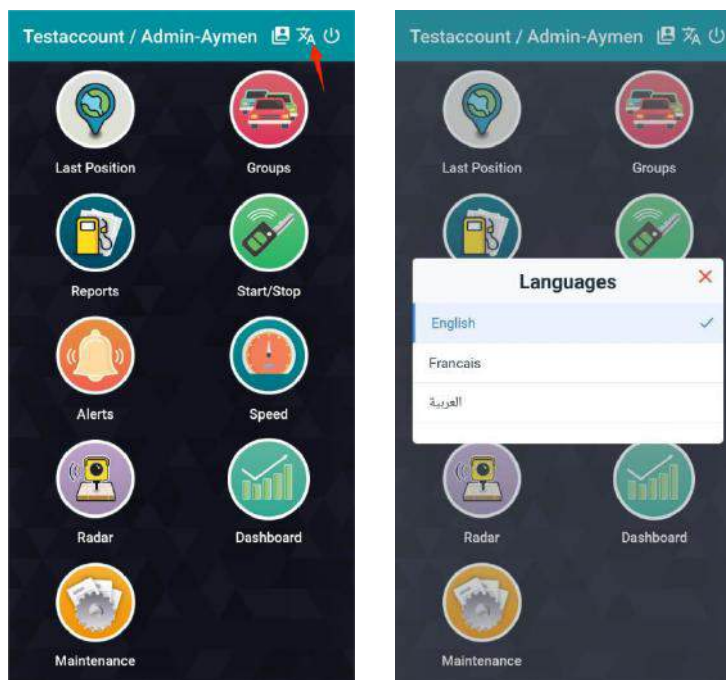
3.1. Account Selection :

The user has the option to change the account directly from the application :



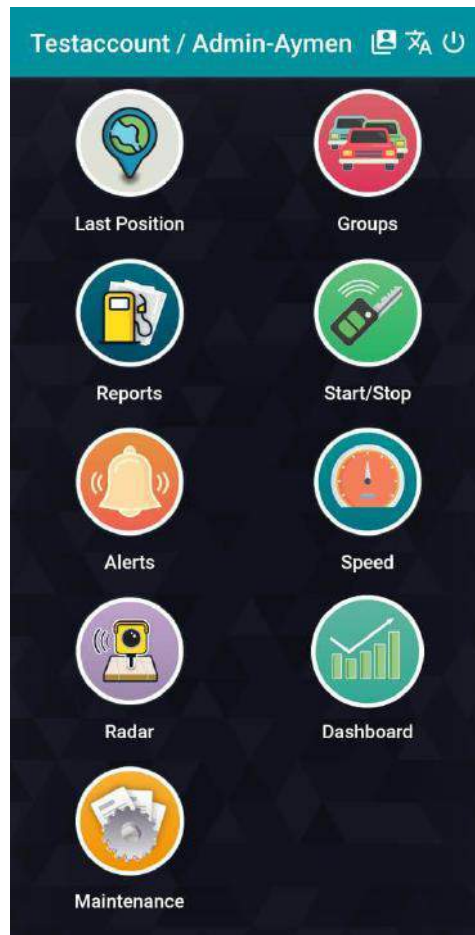
3.2. Language setting:

The application supports three different languages: French, English, and Arabic.

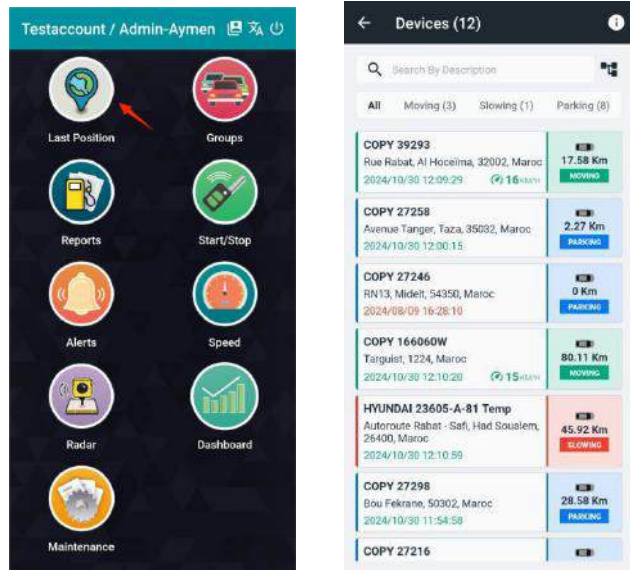


4. Menu :

The application menu consists of several modules that allow you to access different features. Here is an overview of the various modules available in the menu.

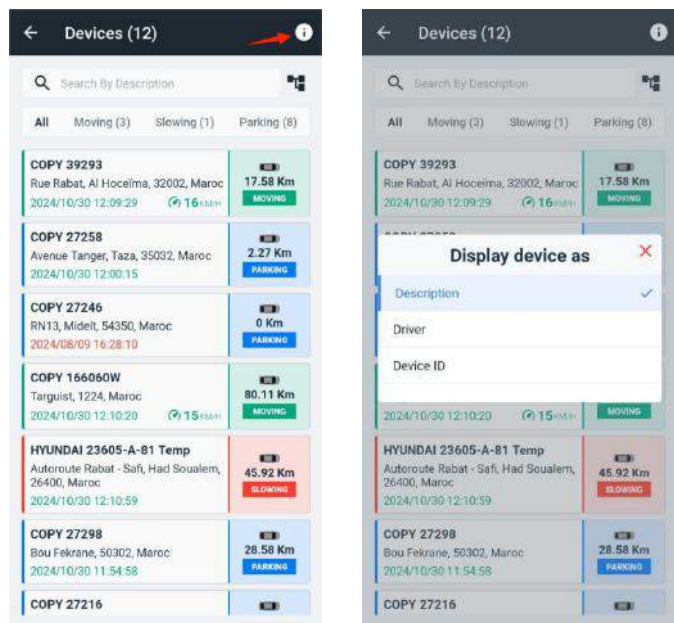


4.1. Last Position :



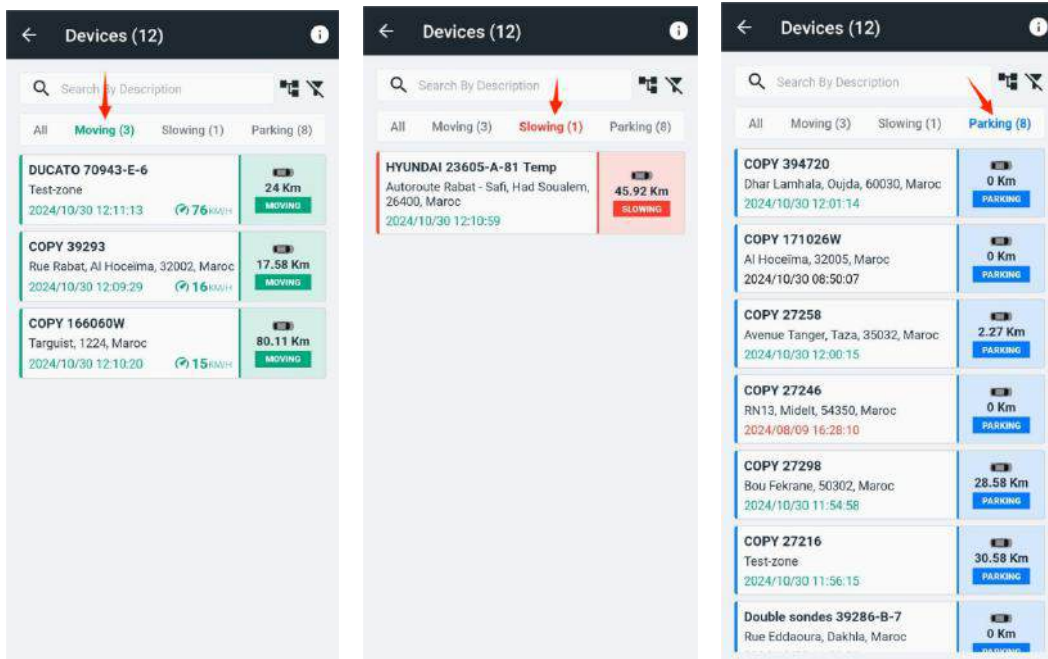
4.1.1. Filters :

The 'Last Position' section allows users to view the list of vehicles. The GPS devices are listed by their 'description,' 'driver,' or 'tag ID.'

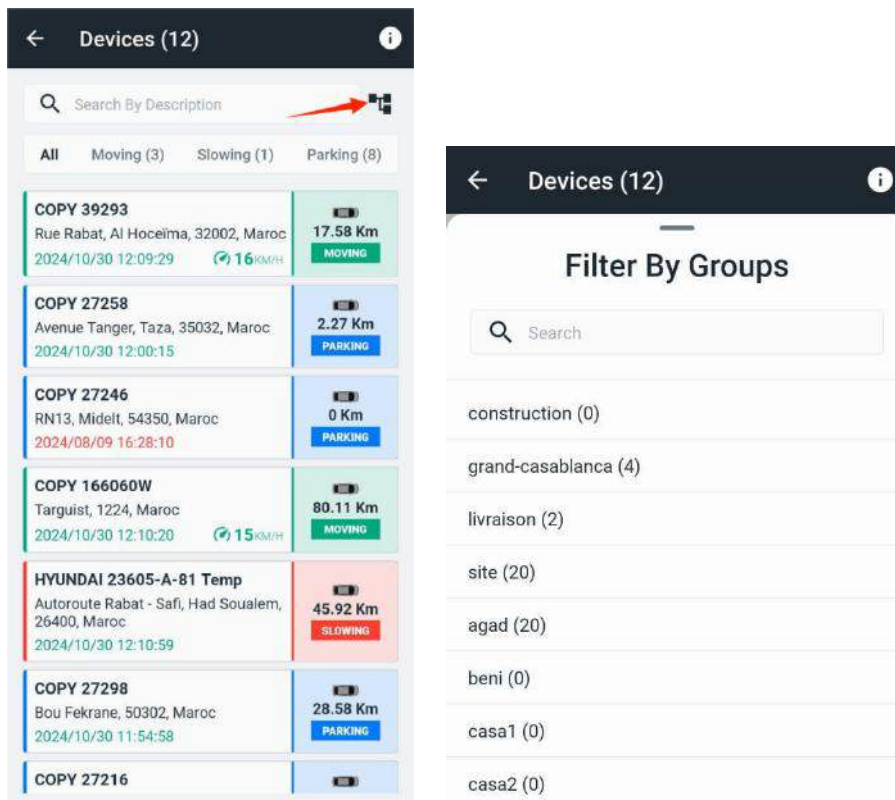


Additionally, the list of devices allows you to view all GPS devices with the option to apply filters:

1. By vehicle status (In motion, Idling, or Parked) :

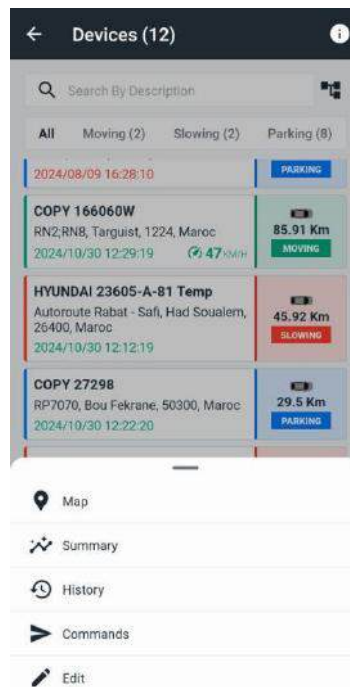


2. By vehicle assignment (with the option to select one or multiple assignments):



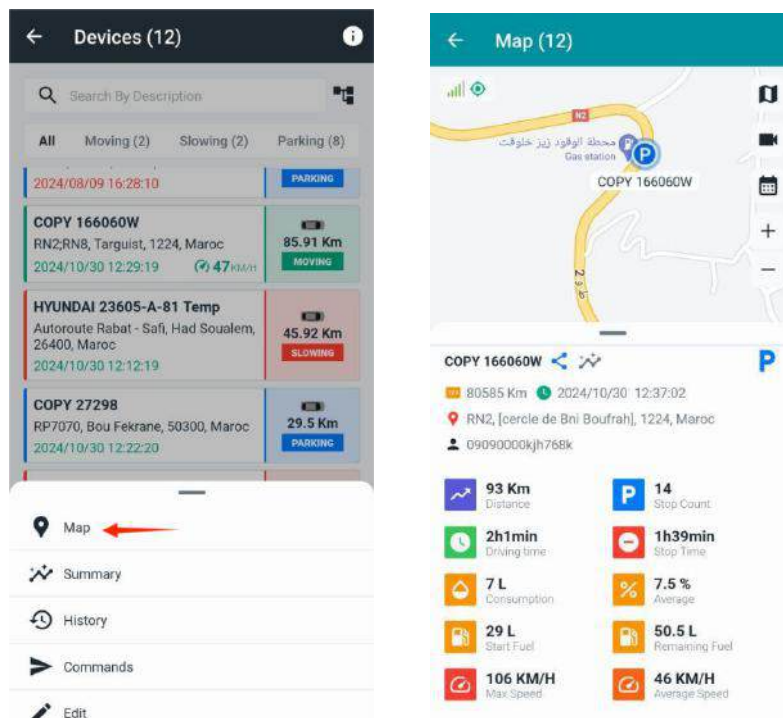
4.1.2. Fleet:

When clicking on a device (vehicle), the following menu appears:



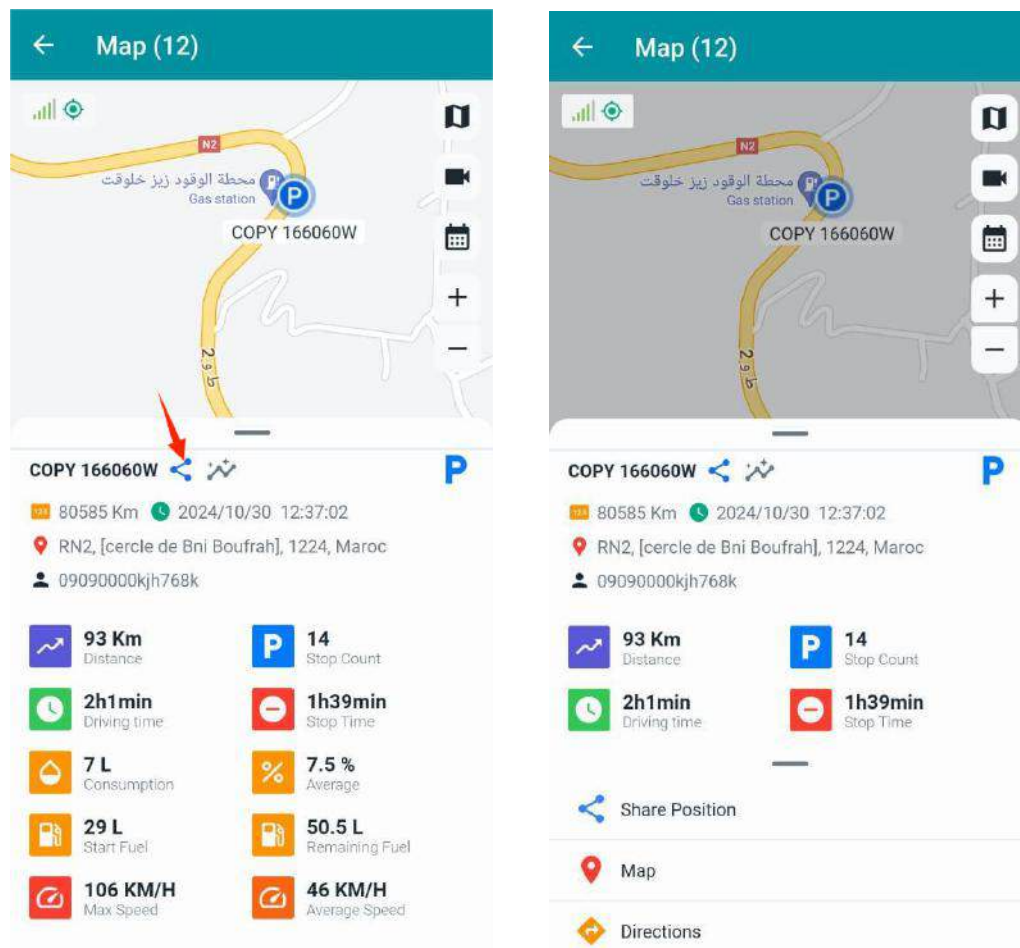
4.1.2.1. Map:

When the user clicks on a vehicle, its real-time position appears on the map, along with key data related to the vehicle, calculated from midnight, including (in order):

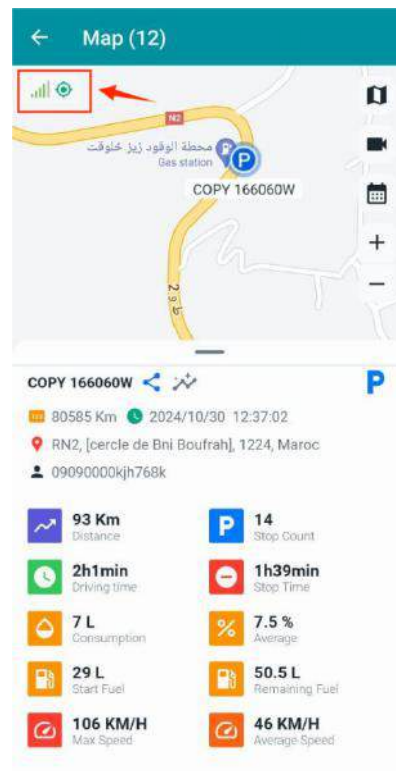


- Odometer,
- Date of the last position sent by the device,
- Address,
- Driver,
- Distance traveled,
- Number of stops,
- Driving time since the first start,
- Idling time since the first start,
- Fuel consumption,
- Average fuel consumption,
- Amount of fuel at startup,
- Remaining amount of fuel,
- Maximum speed reached by the vehicle,
- Average speed.

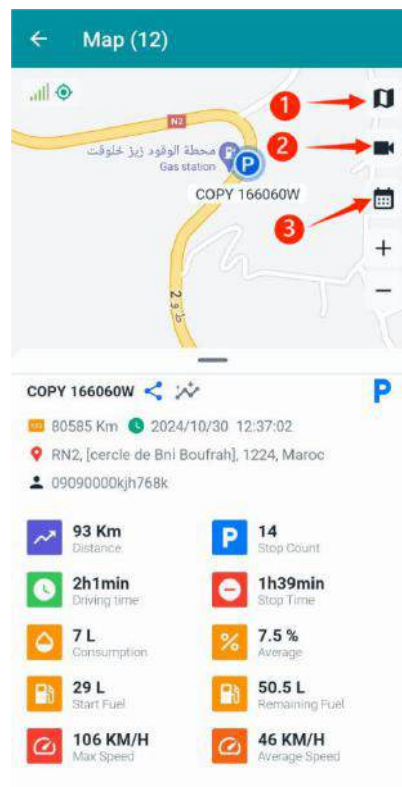
It is possible to share the position, the map, or the directions:



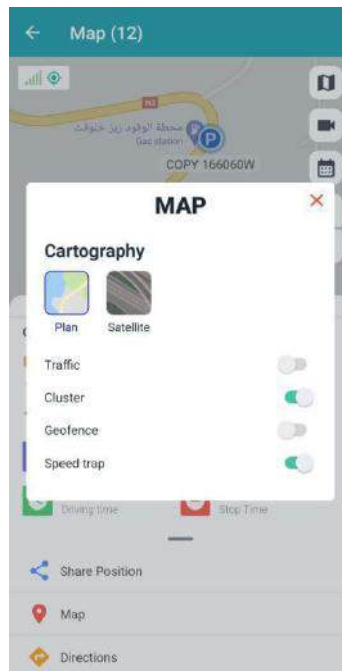
- At the top left, there is the option to monitor the status of the GSM network as well as the GPS coverage.



- At the top right, this bar allows the user to:



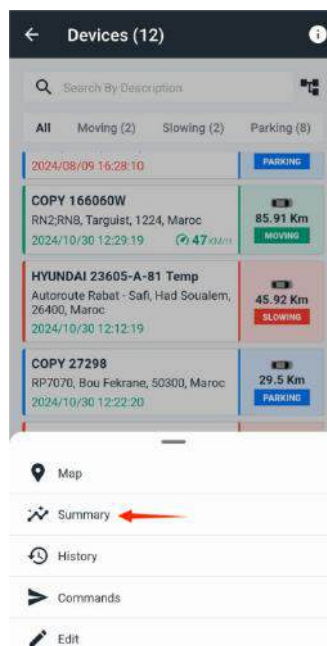
1. Manipulate the map :



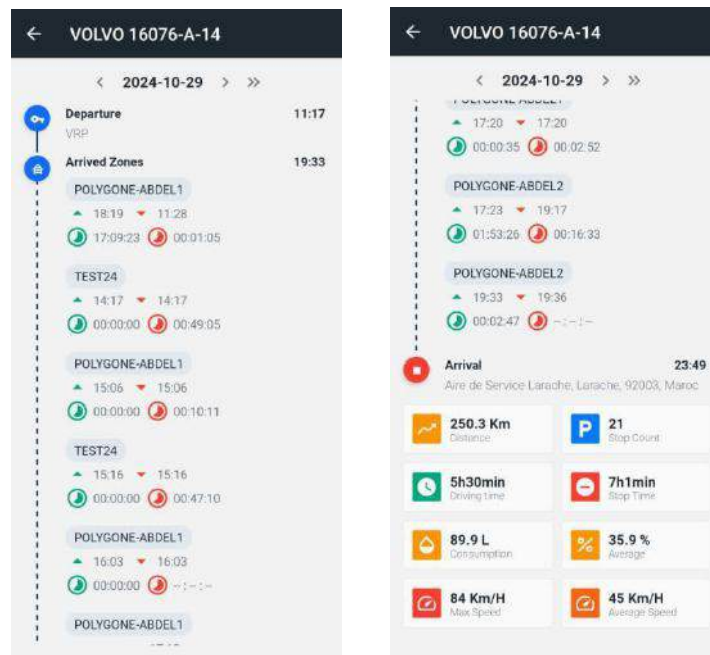
2. Activate or deactivate the tracking of objects on the map.
3. Generate the history after selecting the time interval.

4.1.2.2. Summary :

By clicking the 'Summary' button,

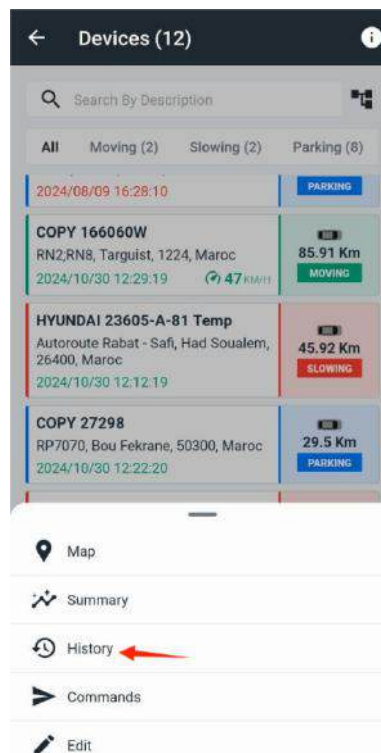


Additional important information can be accessed, such as the departure time and address, arrival time and address, the geofences crossed by the vehicle, as well as other key information like fuel consumption, speed, distance traveled, etc...

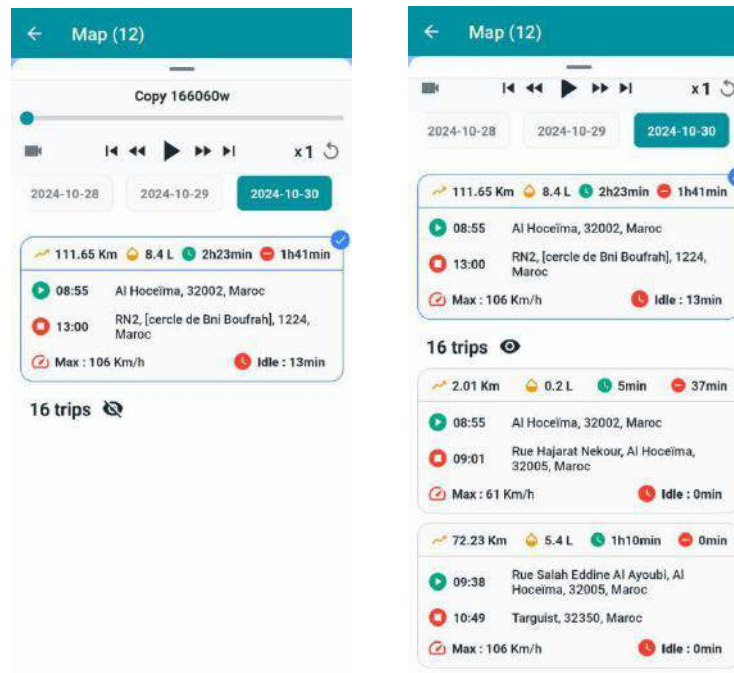


4.1.2.3. Fleet History:

Then, the user can generate a detailed history covering a period ranging from one day to three days:

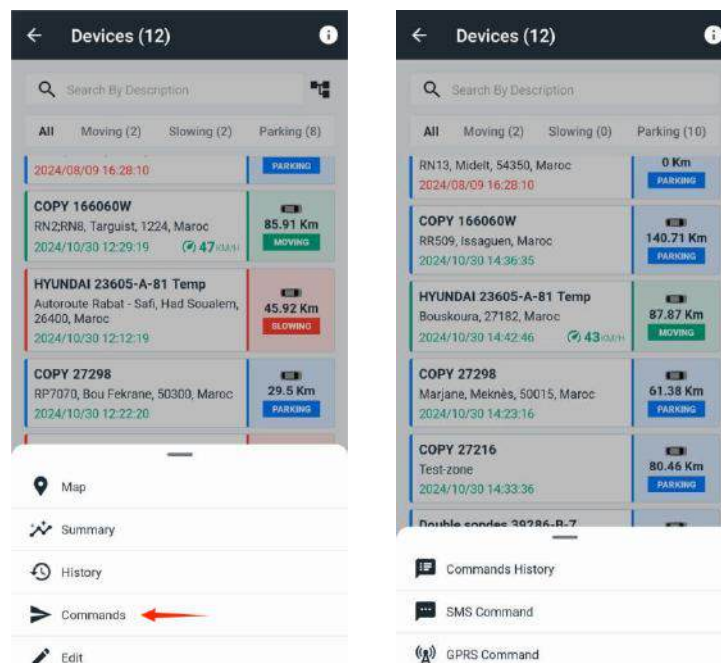


The application generates the detailed history of the vehicle for the day, specifying all the trips (trips = start/stop) that make up the journey.



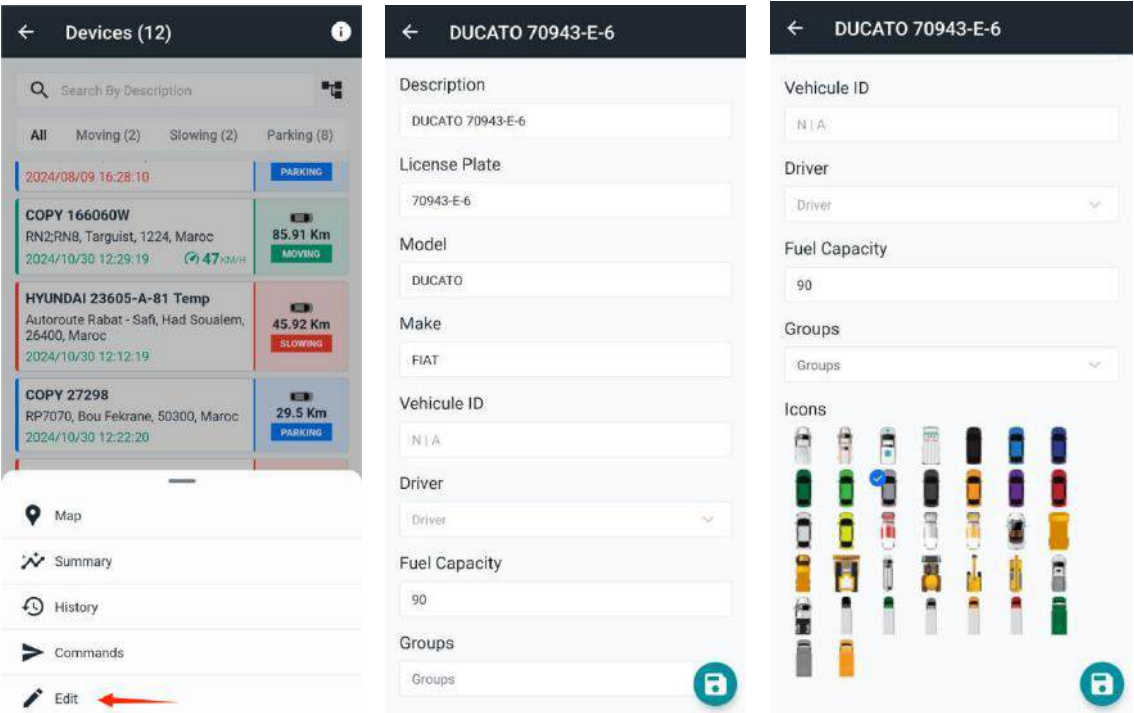
4.1.2.4. Commands:

For commands, the user can send remote commands via SMS or GPRS.

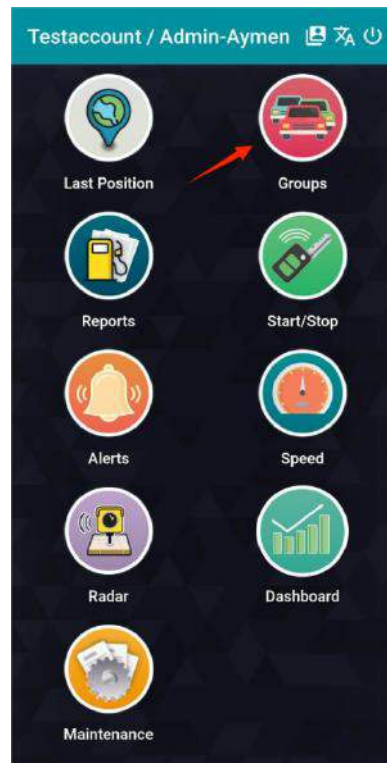


4.1.2.5. Modify Devices:

It is possible to modify the information and configuration of the tag:



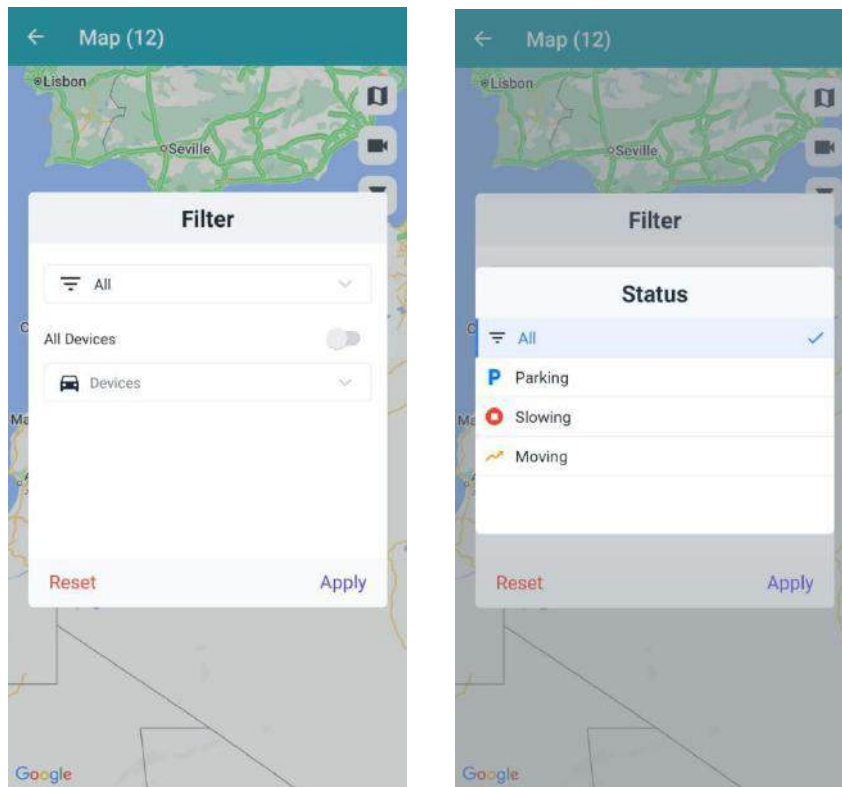
4.2. GROUPS :



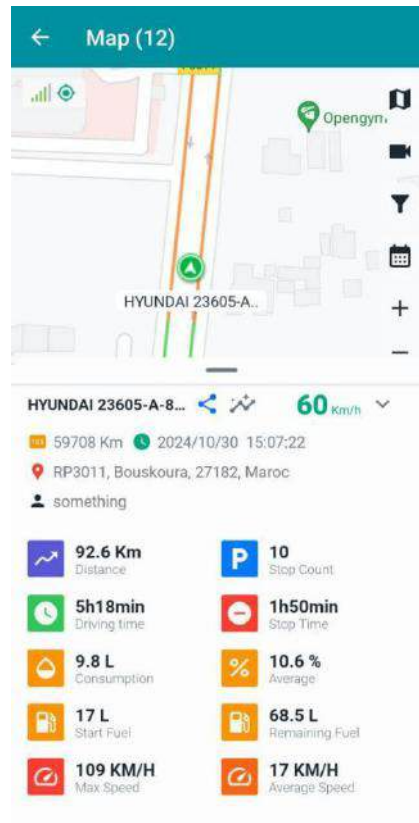
In the 'Groups' module, the assignments of vehicles are managed. Therefore, all vehicle groups will be displayed on the map.



It is possible to apply filters on the vehicles, either by devices, or by vehicle status.

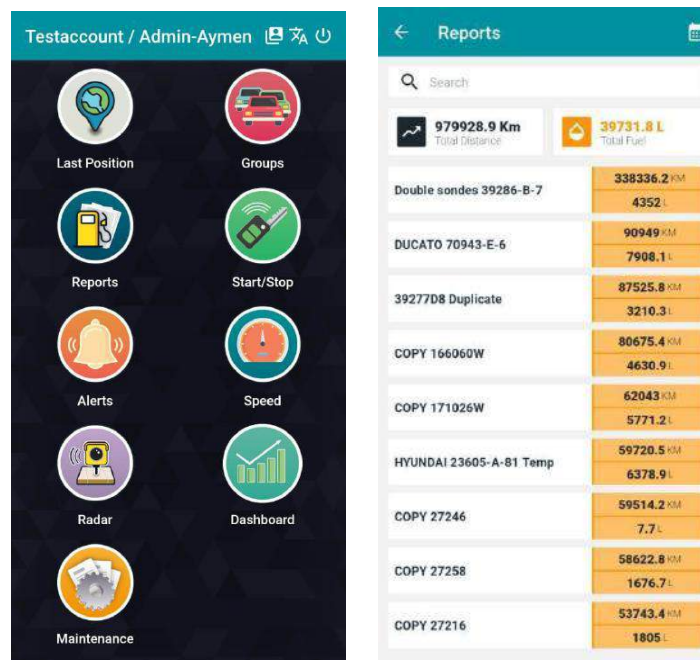


and to view the data of all vehicles in real-time:

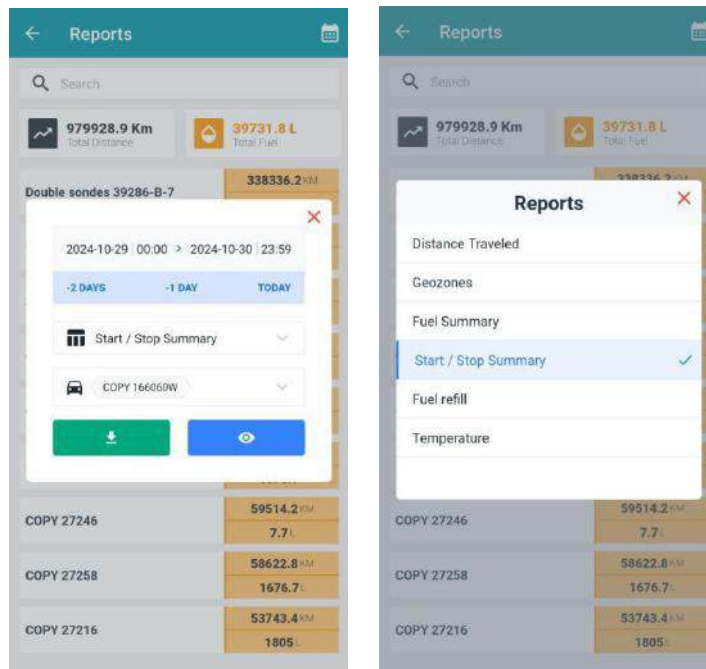


4.3. Reports :

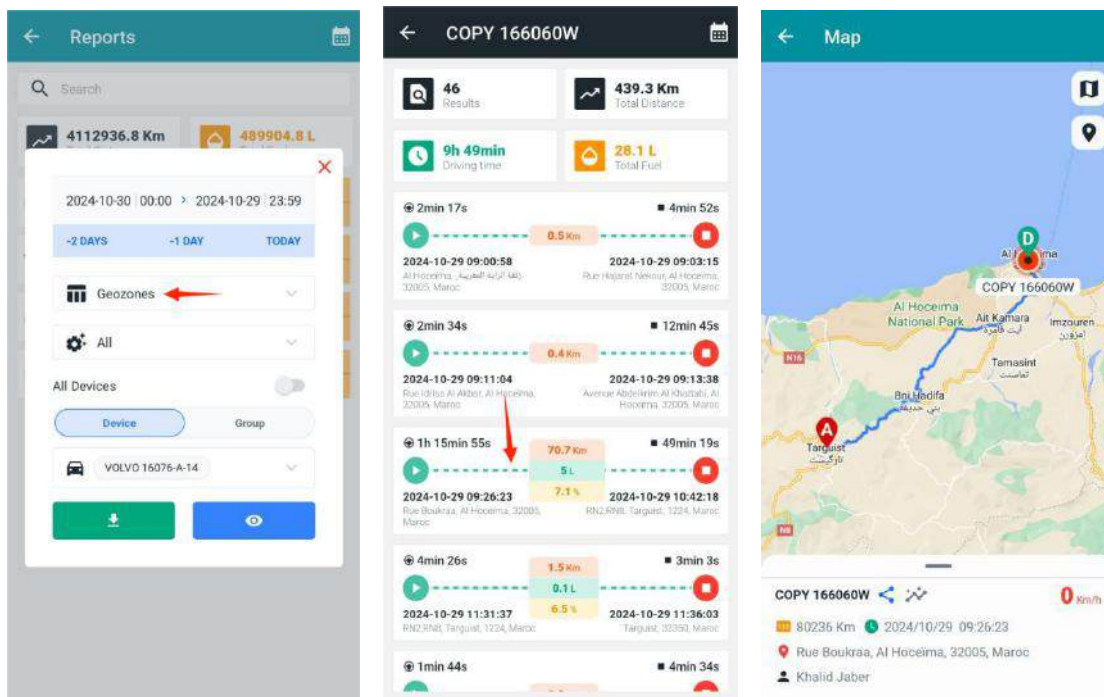
Reporting is essential for a fleet management system for several reasons, including performance analysis, decision-making, planning, and transparency. In the 'Reports' menu, the user can generate different types of reports tailored to these needs.



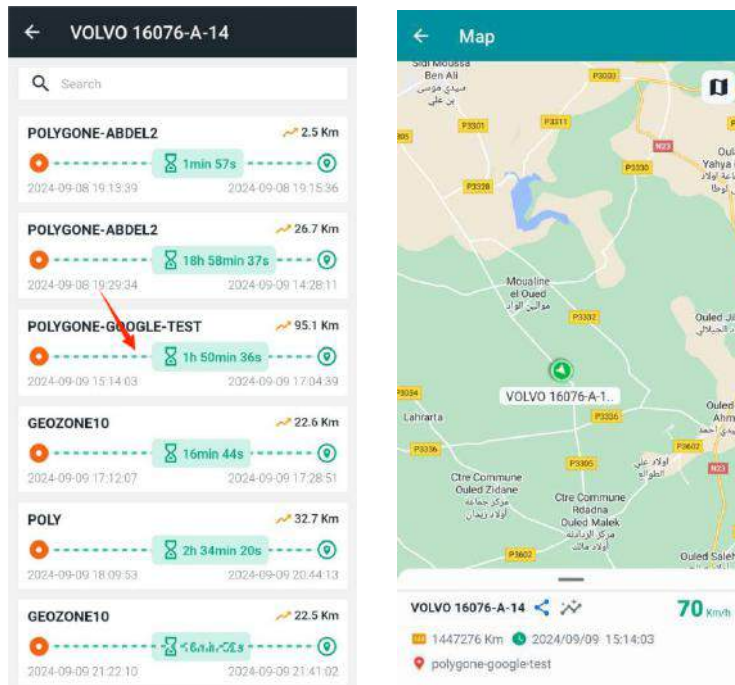
By clicking the 'Calendar' button, the user specifies the date, the type of report, and the vehicles involved.



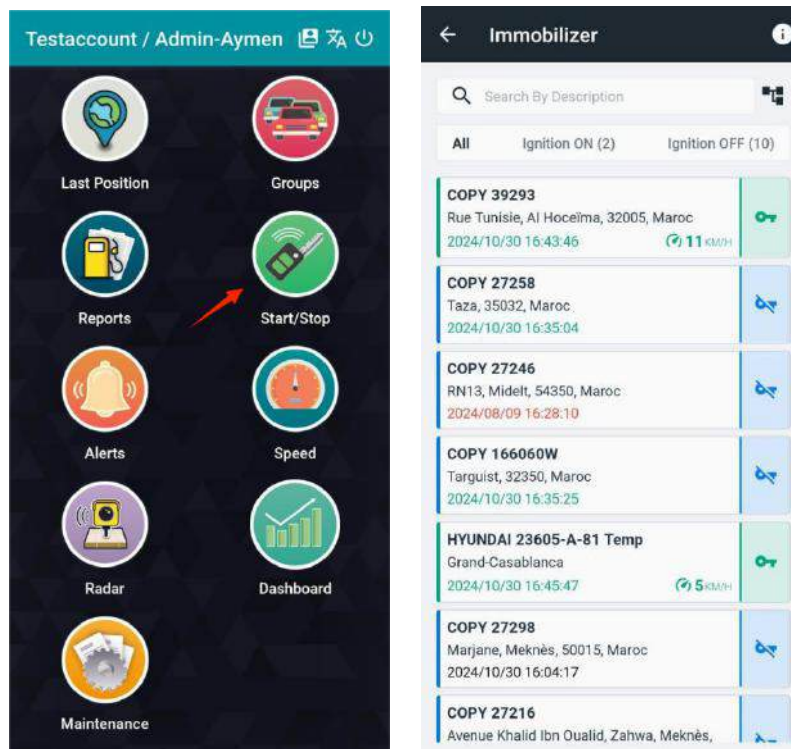
After selecting, for example, the 'Start/Stop Summary' report, the vehicle Sprinter 52030-B-26, and the date, the user will obtain the list of all start and stop reports during the chosen period. By selecting a specific report, the user will have access to the complete journey from the start to the stop, as well as all other associated key data.



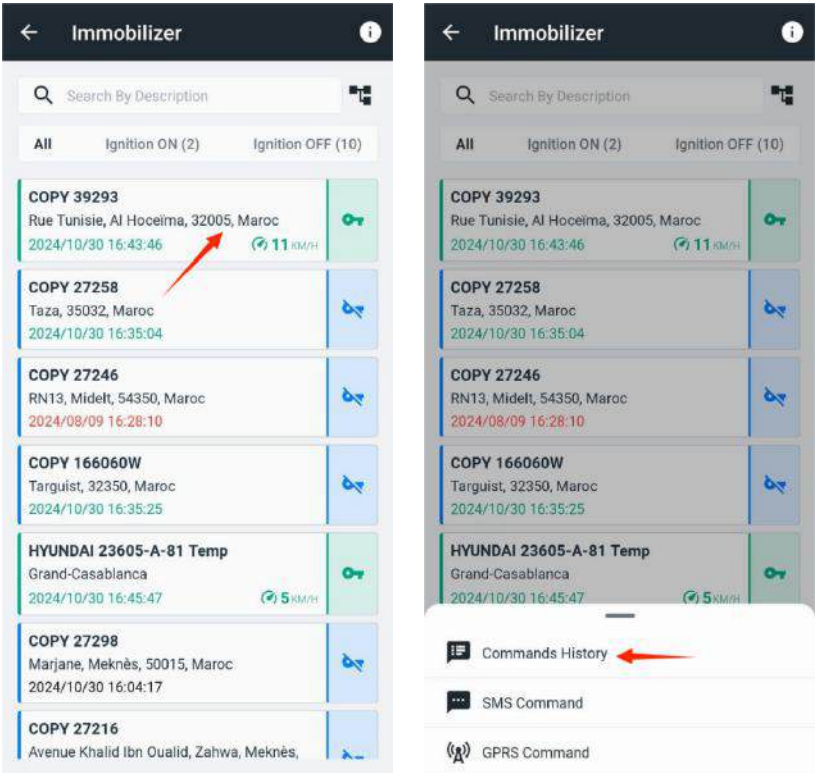
The same applies to other types of reports. Additionally, consider the geofences report. The user can obtain a summary of all the geofences crossed by the VOLVO vehicle. By clicking on a geofence, the user will see the position of the vehicle on the map in relation to that geofence.



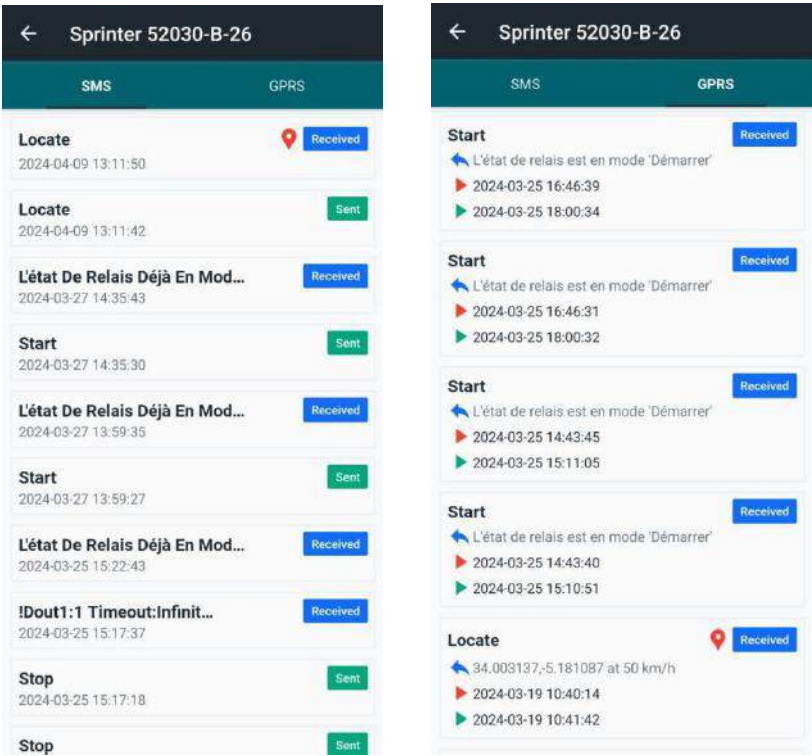
4.3. Immobilization :



By selecting a vehicle, it will be possible to send commands via SMS, via GPRS, or to consult the history of all commands.

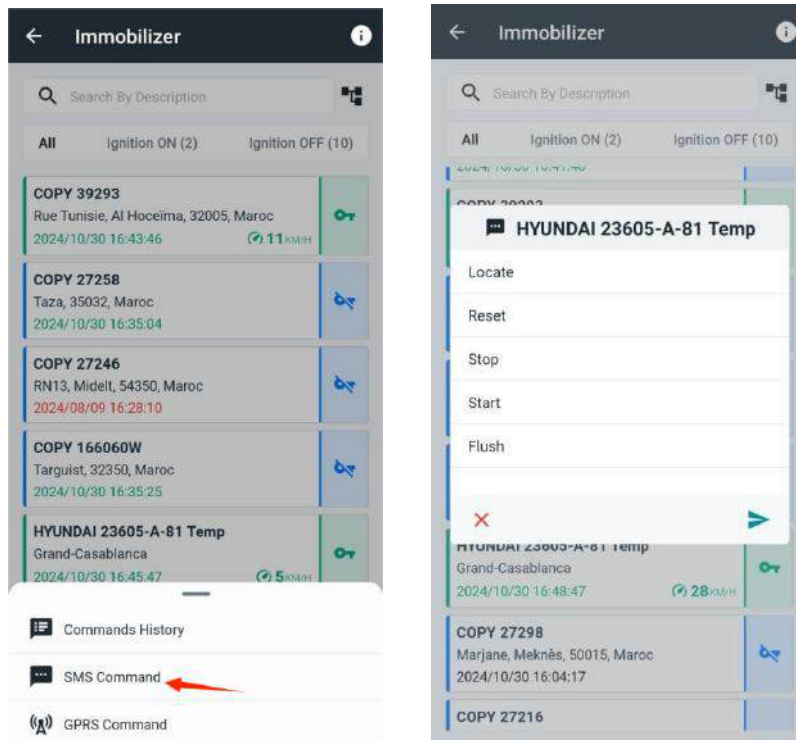


By clicking on 'Command History', the user can view the menu of all commands that have been issued, whether by SMS or GPRS.

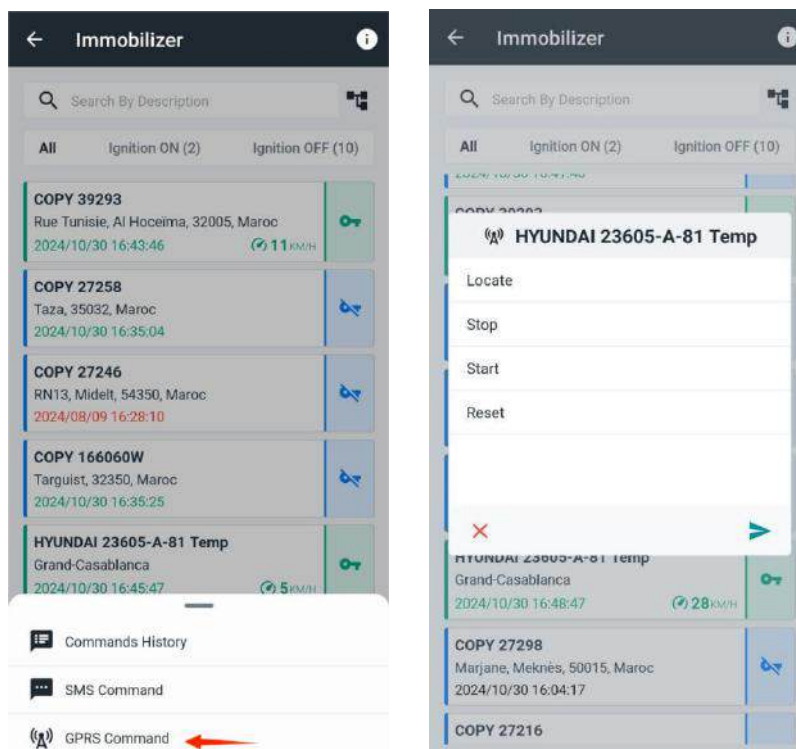


It is therefore possible to send various commands according to needs, either by SMS or by GPRS.

- SMS :

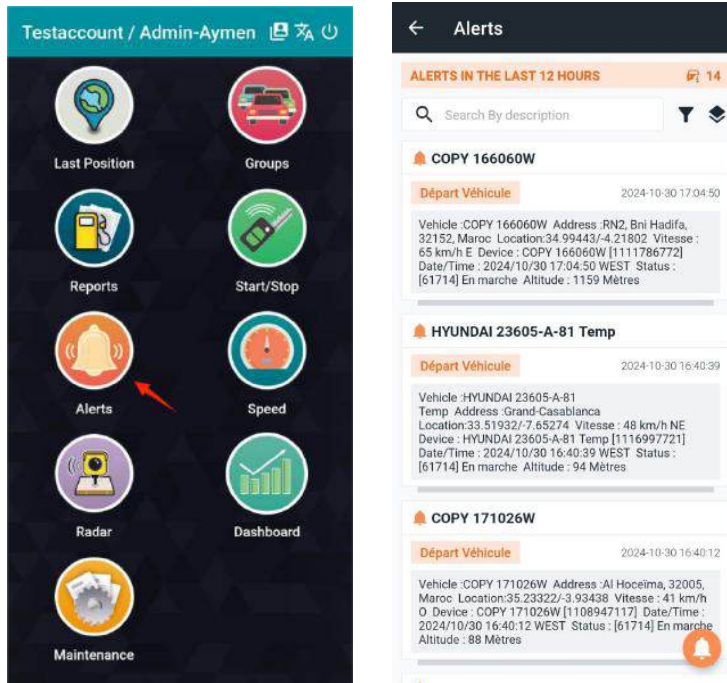


- GPRS :

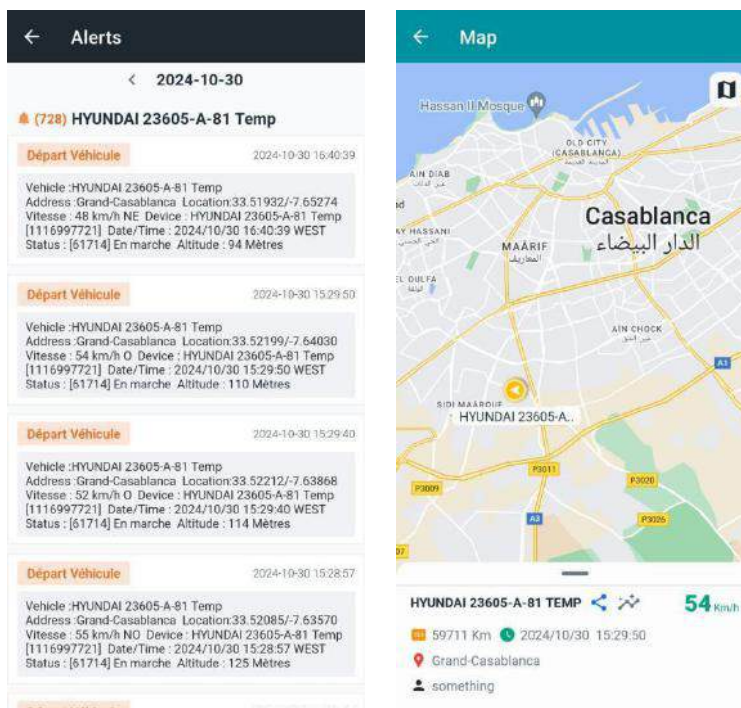


4.4. Alerts :

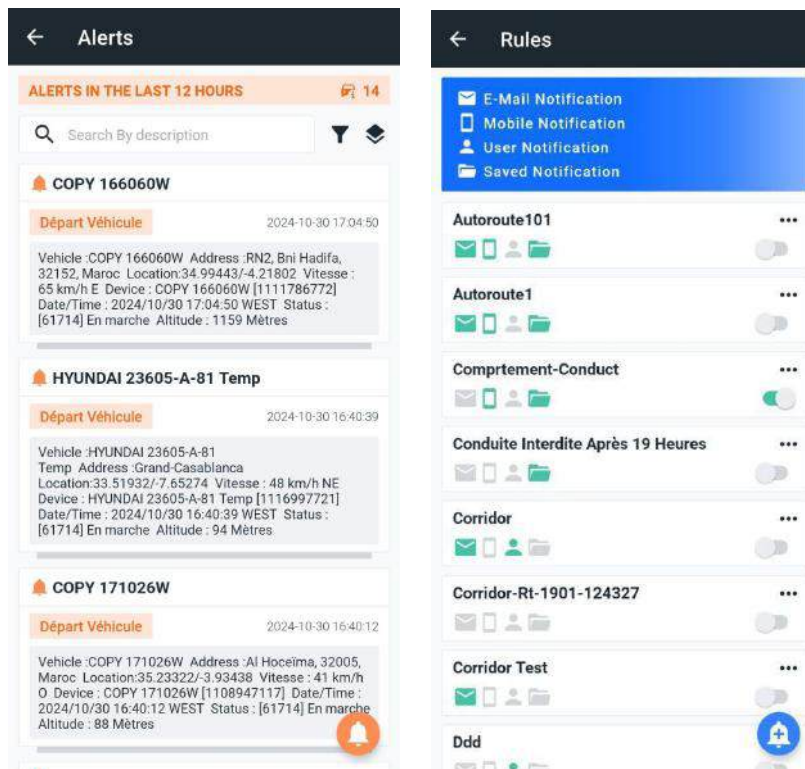
The 'Alerts' option allows the user to configure alerts based on specific rules. These alerts are sent as soon as the event defined in the rule is triggered. The following is a list of alerts sent by the GPS device :



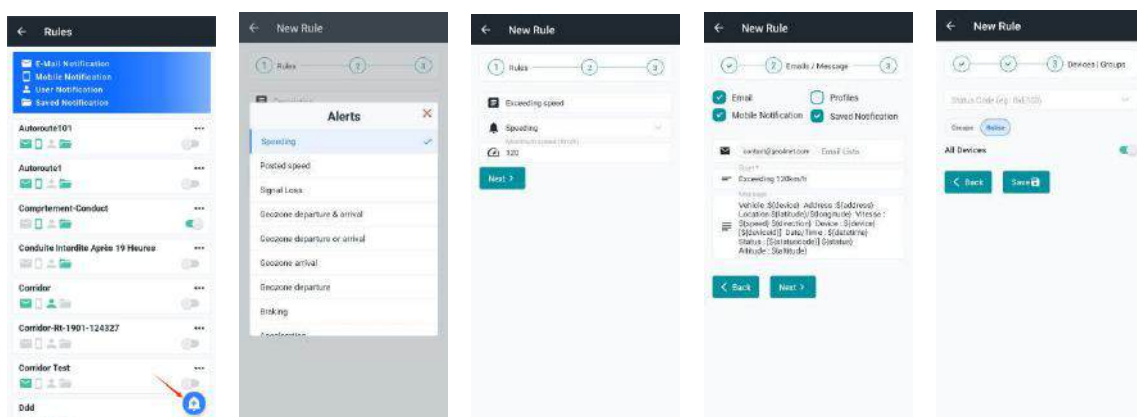
By clicking on an alert, the user can see all the times the alert was sent, the associated messages, as well as the exact location where the alert was triggered.



By clicking on the alert icon, the user can access the list of alerts that have already been created:



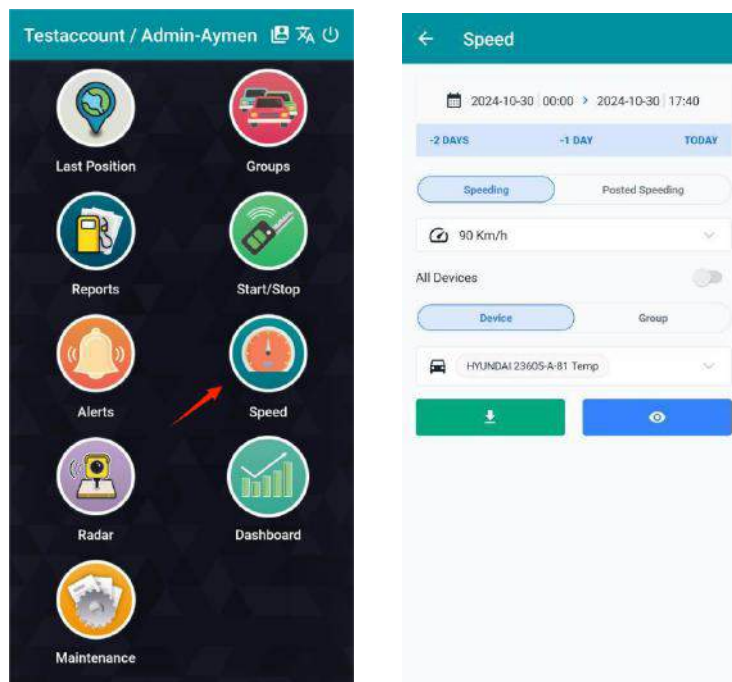
To create new alerts, the user can choose from several types of alerts. In this example, an alert has been configured for speeding. Thus, the user will be notified by email and mobile notification with a personalized message when the driver exceeds a speed of 100 km/h.



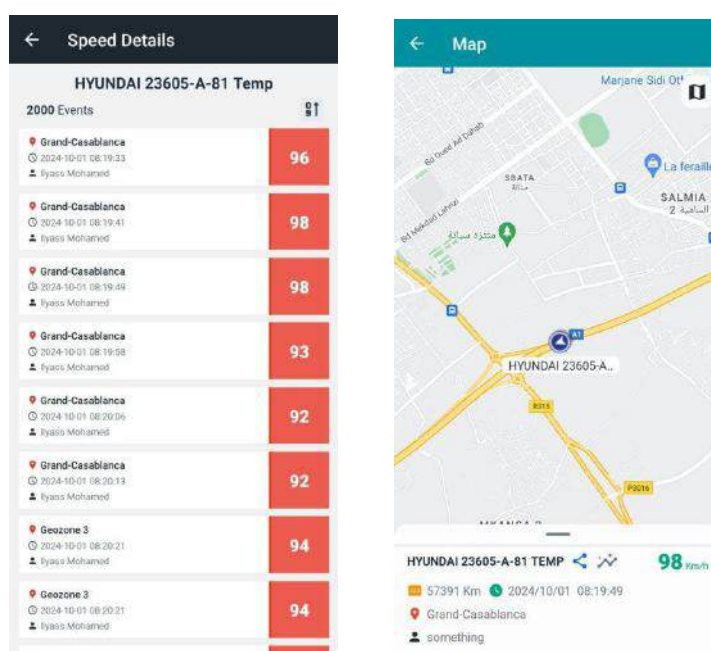
4.5. Speed :

In the 'Speed' module, the user monitors all speed violations committed by the drivers, whether it is exceeding a chosen speed or exceeding the speed limit displayed on the road, generating detailed information including the date and position.

4.5.1. Speeding:



In the case below, the vehicle exceeded the speed of 80 km/h on August 15, 2024, at 05:51, at the location specified on the map.



4.5.2. Exceeding the Speed Limit:

It is possible to check if the vehicle has exceeded the speed limit on the road by a certain amount (for example, 10 km/h):

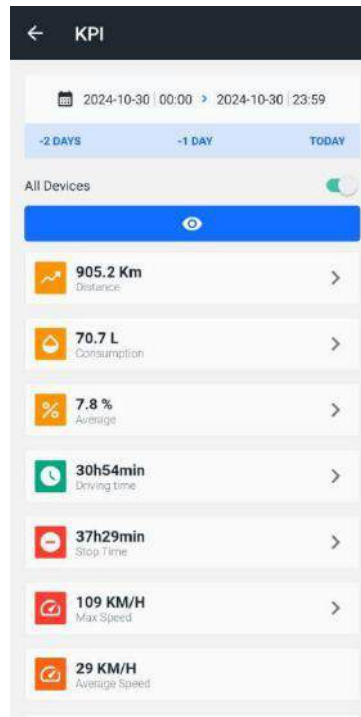
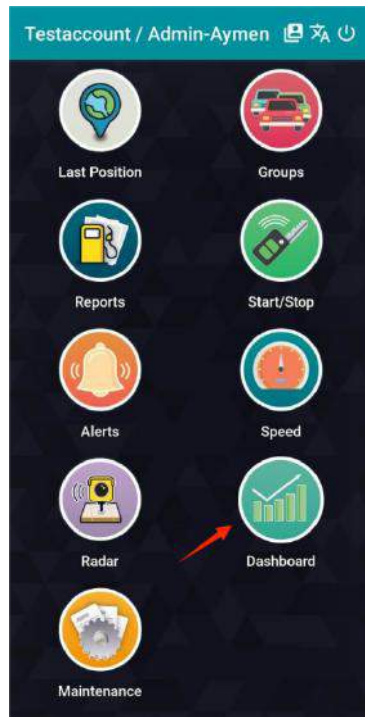
The left screenshot shows the 'Speed' settings screen. It features a teal header with a back arrow and the title 'Speed'. Below the header, there is a date range selector showing '2024-10-01 | 00:00' to '2024-10-30 | 17:40'. There are three tabs: '-2 DAYS', '-1 DAY', and 'TODAY'. Below the tabs, there are two buttons: 'Speeding' and 'Posted Speeding'. A dropdown menu shows '5 Km/h'. Below that, there is a toggle switch for 'All Devices'. There are two more buttons: 'Device' and 'Group'. At the bottom, there is a dropdown menu showing 'HYUNDAI 23605-A-81 Temp'. At the very bottom, there are two large buttons: a green one with a download icon and a blue one with an eye icon.

The right screenshot shows the 'Speed Details' screen. It has a dark header with a back arrow and the title 'Speed Details'. Below the header, there is a title 'HYUNDAI 23605-A-81 Temp' and a subtitle '73 Events'. Below the subtitle, there is a list of events. Each event entry includes a location, a timestamp, a driver name, and a speed limit. The speed limit is displayed in a large orange box on the right side of each entry.

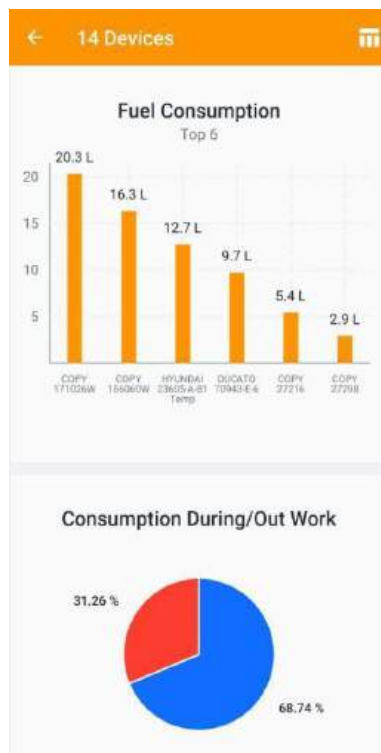
Location	Timestamp	Driver	Speed Limit
RP3009, Bouskoura, 27182, Maroc	2024-10-01 11:45:37	Ilyass Mohamed	68
RN9, Sidi Moumen, arrondissement de Sidi Moumen, 29642, Maroc	2024-10-01 15:49:51	Ilyass Mohamed	48
RP3011, Had Soualem, 26400, Maroc	2024-10-02 07:38:36	Ilyass Mohamed	67
RN1, Had Soualem, 26400, Maroc	2024-10-02 07:41:05	Ilyass Mohamed	66
RP3009, Bouskoura, 27182, Maroc	2024-10-02 15:06:24	Ilyass Mohamed	66
RP3009, Bouskoura, 27182, Maroc	2024-10-03 10:53:07	Ilyass Mohamed	67
RP3009, Bouskoura, 27182, Maroc	2024-10-03 10:53:17	Ilyass Mohamed	69
Autoroute Rabat - Safi, Bouskoura, 20192, Maroc	2024-10-04 08:07:27	Ilyass Mohamed	71

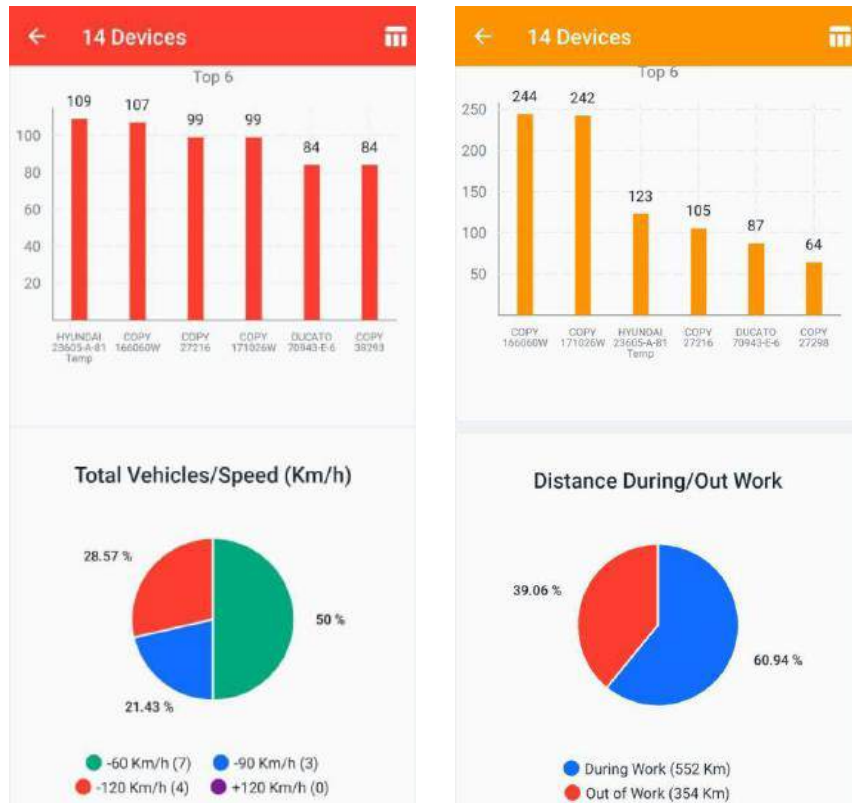
4.6. Dashboard:

To assess the vehicle's performance and make informed decisions, it is possible to create dashboards that track various aspects of the vehicle's activities, such as fuel consumption, distance traveled, driving time, as well as maximum and average speeds, etc...



For each indicator, the user can generate visualizations (graphs):





As well as tables:

Description	Speed Max
COPY 166060W	103 Km/h
COPY 171026W	103 Km/h
COPY 27216	97 Km/h
HYUNDAI 23605-A-81 Temp	90 Km/h
COPY 39293	86 Km/h
DUCATO 70943-E-6	80 Km/h
COPY 27298	74 Km/h
COPY 27258	63 Km/h
Double sondes 30286-B-7	15 Km/h

Description	Stop Count
COPY 27298	32
DUCATO 70943-E-6	44
COPY 166060W	30
HYUNDAI 23605-A-81 Temp	29
COPY 27298	18
COPY 27216	16
COPY 39293	15
COPY 171026W	7
Double sondes 30286-B-7	4
COPY 27246	0
29277D8 Duplicate	0
test device mariyam	0
COPY 394720	0
new device test mariyam	0

Description	Distance	During	Out
COPY 166060W	257.1 Km	0 Km	257.1 Km
COPY 171026W	169 Km	127.4 Km	41.6 Km
DUCATO 70943-E-6	113 Km	63.6 Km	49.2 Km
COPY 27216	97.4 Km	0 Km	97.4 Km
HYUNDAI 23605-A-81 Temp	95.1 Km	79.4 Km	15.7 Km
COPY 27298	25.8 Km	59.4 Km	16.4 Km
COPY 39293	35.2 Km	10.4 Km	24.8 Km
COPY 27258	34.9 Km	27.3 Km	7.6 Km
Double sondes 30286-B-7	1.5 Km	0 Km	1.5 Km
COPY 27246	0 Km	0 Km	0 Km
29277D8 Duplicate	0 Km	0 Km	0 Km
test device mariyam	0 Km	0 Km	0 Km
COPY 394720	0 Km	0 Km	0 Km
new device test mariyam	0 Km	0 Km	0 Km

14 Devices			
Search By Description			
Description	T.Active	During	Out
HYUNDAI 23605-A-B1 Temp	6h54min	6h53min	1min
COPY 171026W	5h24min	5h24min	0min
COPY 166060W	5h18min	0min	5h18min
DUCATO 70943-E-6	3h53min	3h47min	5min
COPY 27216	3h15min	0min	3h15min
COPY 39293	3h4min	3h4min	0min
COPY 27298	2h15min	2h16min	0min
COPY 27258	46min	46min	0min
COPY 27246	0min	0min	0min
Double sondes 39286-B-7	0min	0min	0min
3927708 Duplicate	0min	0min	0min
test device mariyam	0min	0min	0min
COPY 394720	0min	0min	0min
new device test mariyam	0min	0min	0min

14 Devices	
Search By Description	
Description	Speed Max
HYUNDAI 23605-A-B1 Temp	109 Km/h
COPY 166060W	107 Km/h
COPY 27216	99 Km/h
COPY 171026W	99 Km/h
DUCATO 70943-E-6	84 Km/h
COPY 39293	84 Km/h
COPY 27298	80 Km/h
COPY 27258	59 Km/h

14 Devices			
Search By Description			
Description	Distance	During	Out
COPY 166060W	244.1 Km	0 Km	244.1 Km
COPY 171026W	242 Km	242 Km	0 Km
HYUNDAI 23605-A-B1 Temp	122.9 Km	121.7 Km	1.2 Km
COPY 27216	105.2 Km	0 Km	105.2 Km
DUCATO 70943-E-6	87 Km	84 Km	3 Km
COPY 27298	64.2 Km	64.2 Km	0 Km
COPY 39293	32 Km	32 Km	0 Km
COPY 27258	7.8 Km	7.8 Km	0 Km
COPY 27246	0 Km	0 Km	0 Km
Double sondes 39286-B-7	0 Km	0 Km	0 Km
3927708 Duplicate	0 Km	0 Km	0 Km
test device mariyam	0 Km	0 Km	0 Km
COPY 394720	0 Km	0 Km	0 Km
new device test mariyam	0 Km	0 Km	0 Km

4.7. Maintenance :

The maintenance module is designed to ensure optimal tracking of intervention management and essential documentation. Whether for planning maintenance operations, tracking repair history, or managing essential documents, this module provides a clear and detailed overview to guarantee the proper functioning of your fleet.

4.7.1. Types of maintenance :

The Maintenance module brings together different types of maintenance:

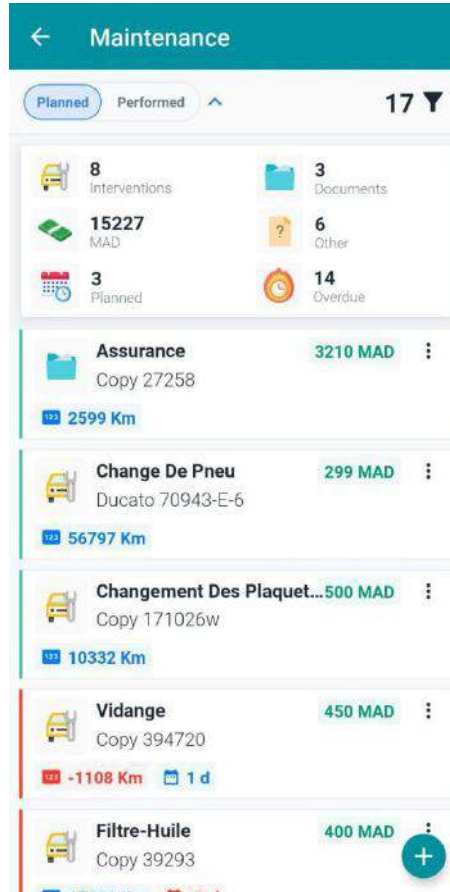
- **Interventions:** These are based on the odometer and engine hours, such as oil changes and tire replacements.
- **Documents:** This is based on user-defined dates, such as insurance, vehicle registration stickers, and technical inspections.
- **Others.**

4.7.2. Interface :

The interface is divided into three sections:

- A top bar that allows navigation between planned and completed maintenance.
- A Card displaying maintenance statistics, including the number of interventions, documents, and total costs, as well as the number of maintenances classified as 'others' compared to interventions and documents, distinguishing between those that are planned and those that are overdue.

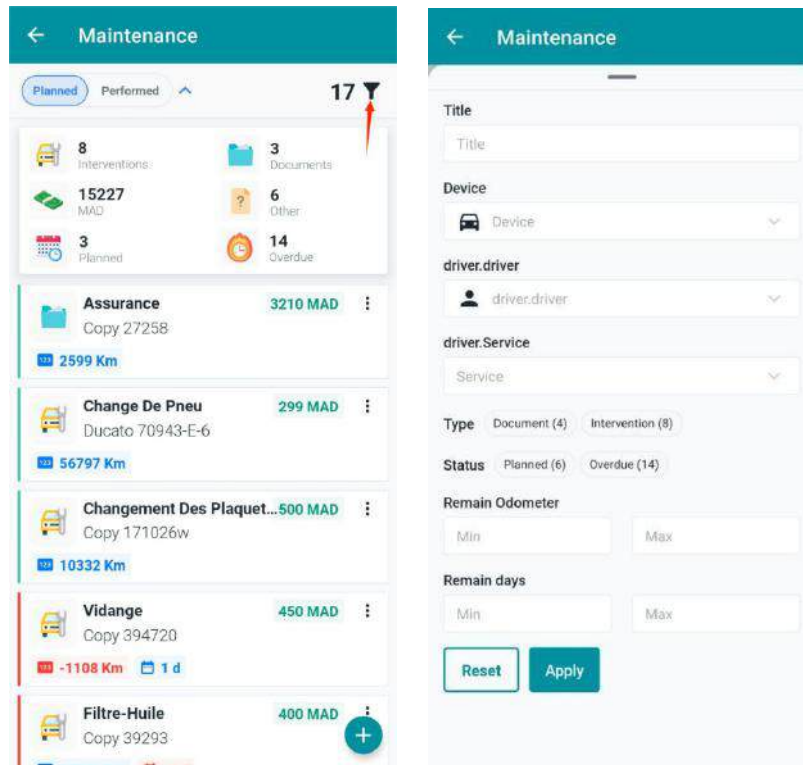
- A list of maintenances, where each intervention is detailed with information such as the title, the affected vehicle, the cost, and the type of maintenance. (Document , Intervention , or Other ).



4.7.3. Filter :

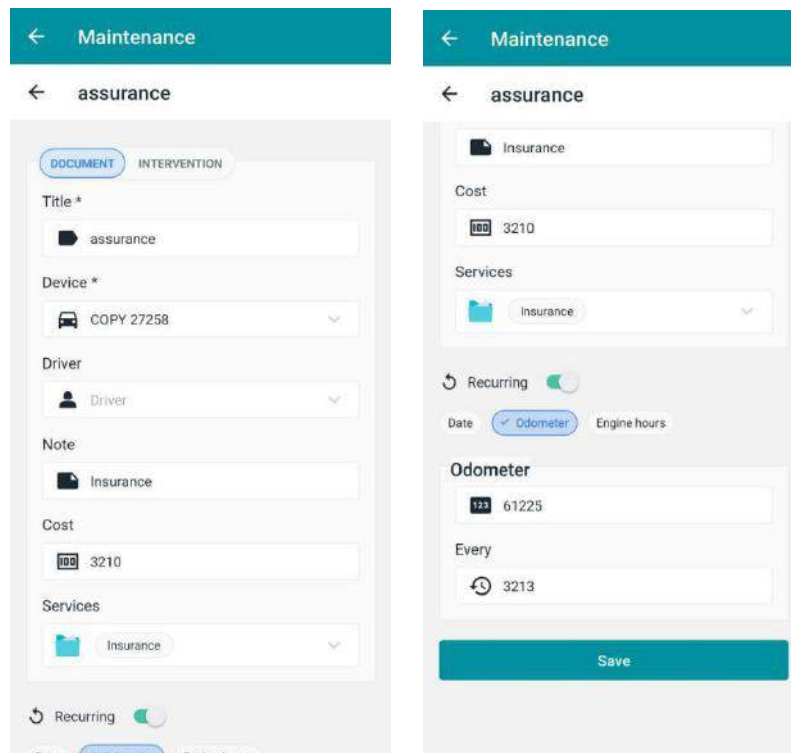
The list of maintenances can be filtered according to different parameters:

- Title,
- Device,
- Driver,
- Type of maintenance,
- Remaining mileage,
- Number of days remaining before the next intervention.

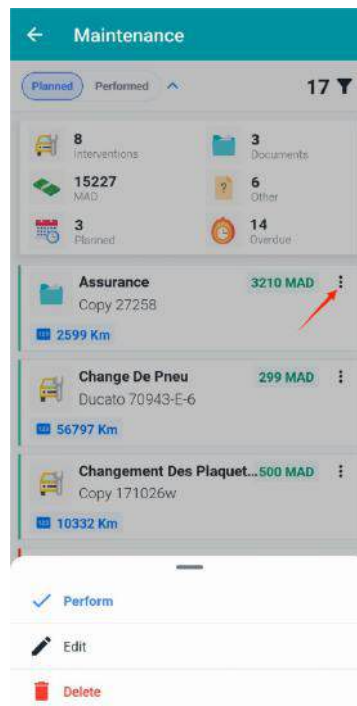


4.7.4. Planned Maintenance :

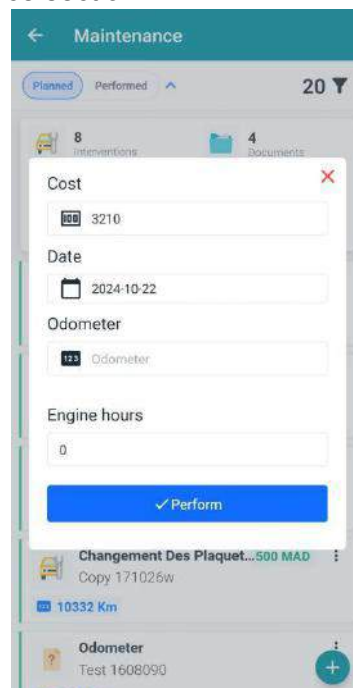
- For planned maintenance:
- The user can click on a maintenance item to access its details.



- Ensuite, Then, for each maintenance, the 'More Options'  button allows the user to :



- To perform maintenance, the user must specify the cost, the date, the odometer reading at the time of maintenance, as well as the engine hours. Then, the user can proceed with the execution.
- After performing the maintenance:
 - ◆ If the maintenance is recurring, a copy will be transferred to the completed maintenance section, and the maintenance will be scheduled for the next recurrence value (based on date, odometer reading, or engine hours).
 - ◆ If the maintenance is not recurring, it will be automatically moved to the completed maintenance section.



- Modify the maintenance settings by changing the title, tag, driver, explanatory note, cost, service type, and recurrence settings.

The image shows two side-by-side screenshots of a mobile application's 'Maintenance' form. Both screenshots have a teal header with a back arrow and the word 'Maintenance'.

The left screenshot is titled 'assurance' and shows the 'DOCUMENT' tab. It contains the following fields:

- Title: assurance
- Device: COPY 27258
- Driver: Driver
- Note: Insurance
- Cost: 3210
- Services: Insurance
- Recurring: [toggle on]
- Date: Odometer (selected)

The right screenshot is also titled 'assurance' and shows the 'INTERVENTION' tab. It contains the following fields:

- Insurance: Insurance
- Cost: 3210
- Services: Insurance
- Recurring: [toggle on]
- Date: Odometer (selected)
- Odometer: 61225
- Every: 3213
- Save button

- Additionally, the user can delete the maintenance.
- To add a new maintenance:

The image shows a screenshot of the 'Maintenance' list view. The header is teal with a back arrow and the word 'Maintenance'. Below the header, there are tabs for 'Planned' and 'Performed', and a filter icon with the number '17'. The list contains several items, each with a car icon, a title, a device, a cost, and a distance. A red arrow points to a plus icon at the bottom right of the list.

Interventions	Documents
8	3
15227 MAD	6 Other
3 Planned	14 Overdue

Maintenance Item	Cost	Distance
Assurance Copy 27258	3210 MAD	2599 Km
Change De Pneu Ducato 70943-E-6	299 MAD	56797 Km
Changement Des Plaquet... Copy 171026w	500 MAD	10332 Km
Vidange Copy 394720	450 MAD	-1108 Km, 1 d
Filtre-Huile Copy 39293	400 MAD	

- The user must complete this form:

The screenshot shows the 'New maintenance' form in the Maintenance app. The form is titled 'Planned' and contains the following fields:

- Services:** A dropdown menu with a question mark icon and the text 'Service'.
- Note:** A text input field with a document icon and the text 'Note (Optional)'.
- Cost:** A text input field with a currency icon and the text 'MAD (Optional)'.
- Every:** A dropdown menu with a clock icon and the text 'Day'.
- Recurring:** A dropdown menu with a refresh icon and the text 'Value'.
- Groups:** A dropdown menu with a group icon and the text 'Groups'.

A 'Save' button is located at the bottom of the form.

- The user specifies which service:

The screenshot shows the 'Service' selection dialog in the Maintenance app. The dialog is titled 'Service' and contains a search bar and a list of services:

- Insurance
- Road tax sticker
- Driver's medical visit
- Driving license
- Driver's contract
- Vehicle registration
- Route sheet
- Technical inspection
- Oil change

A 'Save' button is located at the bottom of the dialog.

- An explanatory note detailing the purpose of the maintenance.

Note

 Note (Optional)

- The estimated cost for the maintenance:

Cost

 MAD (Optional)

- The recurrence, either by date or by odometer.

← Maintenance

← New maintenance

Planned

☒ Date ☐ Odometer

Every 

 Day

Recurring

 Value

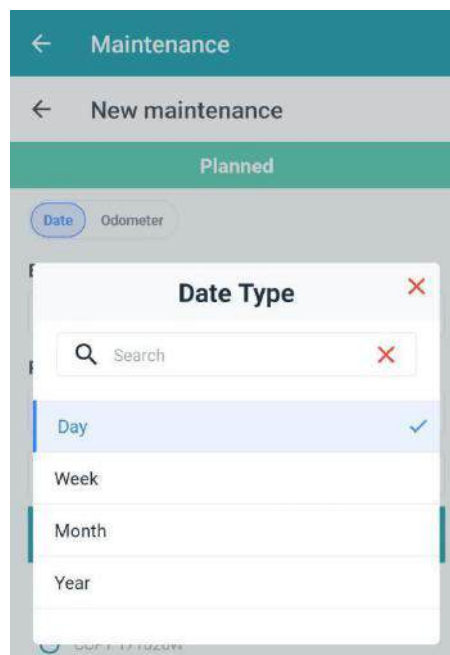
 Groups

🔍 Device Date

- ☐ DUCATO 70943-E-6
- ☐ COPY 394720
- ☐ COPY 171026W
- ☐ COPY 39293
- ☐ COPY 27258
- ☐ COPY 27246
- ☐ COPY 166060W
- ☐ HYUNDAI 23605-A-81 Temp
- ☐ COPY 27208

Save

- If the recurrence is based on the date, the user specifies the type of date:



- The recurrence value: For example, if the recurrence is set to 'year' and the user indicates '2' in the recurrence value, it means that the maintenance is scheduled every two years.

Every

 Year 

Recurring

 2

- If the recurrence is based on the odometer, the user simply needs to specify the recurrence value as a distance in kilometers (KM).

Recurring

 10000

- Then, define the vehicles concerned by the maintenance: either by GPS device or by vehicle group.

The left screenshot shows the 'New maintenance' screen. It has a teal header with a back arrow and 'Maintenance'. Below it is a grey bar with a back arrow and 'New maintenance'. A green bar labeled 'Planned' is below that. There is a 'Value' input field with a refresh icon, a 'Groups' dropdown menu, and two tabs: 'Device' (active) and 'Odometer'. Under the 'Device' tab, there is a list of devices with radio buttons: 'Double sondes 39286-B-7', 'COPY 27298', 'COPY 394720', 'COPY 39293', 'COPY 166060W', 'COPY 27216', 'DUCATO 78943-E-6', 'COPY 27258', 'HYUNDAI 23605-A-81 Temp', 'COPY 27246', and '39277D8 Duplicate'. A 'Save' button is at the bottom.

The right screenshot shows the 'Groups' selection modal. It has a teal header with a back arrow and 'Maintenance'. Below it is a grey bar with a back arrow and 'New maintenance'. A green bar labeled 'Planned' is below that. The modal is titled 'Groups' with a red close button. It contains a list of groups with their counts: 'construction (0)', 'grand-casablanca (4)', 'livraison (2)', 'site (20)', 'agad (20)', 'beni (0)', and 'casa1 (0)'. The 'grand-casablanca' group is selected.

- Then 'Save'.

4.7.5. Performed Maintenance :

For performed maintenance, the user has:

- Cards displaying statistics of performed maintenance.
- A list of performed maintenance.

← Maintenance

Planned Performed 77

45 Interventions 17 Documents

91013144 MAD 15 Other

Changement De Filtre 180 MAD
Ducato 70943-E-6
2022-12-06

Changement De Freins 4500 MAD
Ducato 70943-E-6
51700 Km 2022-09-15 4500 h

Changement De Pneu 1900 MAD
40388d8 Duplicate 2
2022-11-13

Driver's Medical Visit
Copy 27258
2024-07-02

Filtre-Huile 400 MAD
Copy 39293
30000 Km 2024-10-22

- The user can also filter the list of maintenance by title, vehicle concerned, driver, service, type (Interventions or Documents) and the date of the intervention.

← Maintenance

Title

Device

driver.driver

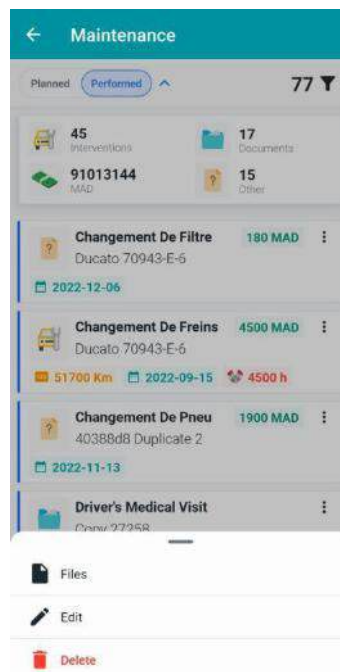
driver.Service

Type Document (17) Intervention (45)

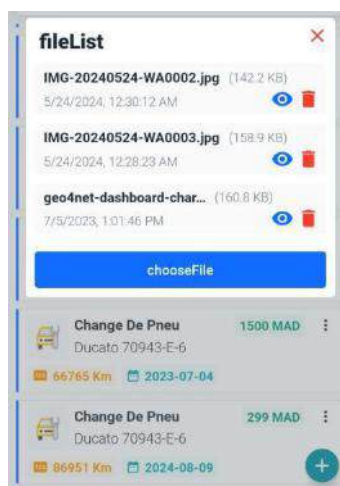
date

Reset Apply

- For each performed maintenance, the user has access to:
 - Title,
 - Cost of the maintenance,
 - Concerned vehicle,
 - Odometer reading at the time of maintenance,
 - Date of the maintenance.
- The  button allows the user to:



- Attach a file to the maintenance to facilitate the management of associated documents:



- Additionally, the user can modify the information of the completed maintenance.
- The user can also delete the maintenance.