# About the app

Position manager is an application that gives us insight into the current position of the vehicle, the movement of the vehicle, the history of the movement of the vehicle, a complete reconstruction of the event, as well as basic statistical data. Position manager enables:

- Tracking an unlimited number of vehicles.
- Vehicles can be organized into hierarchically divided groups.

• Monitoring of all desired events: place and duration of stops, starting/stopping the vehicle, opening/closing doors or valves, etc.

- Static and Dynamic reconstruction of vehicle movements and events.
- History tracking with all desired events highlighted.
- The possibility of entering geo-located objects of importance to the user.
- Ability to enter user zones.
- Ability to set and optimize user routes.
- Objects, zones and routes can be divided into hierarchically divided groups.
- Monitoring of driver performance.
- Delivery tracking.

# **Application layout**

The appearance of the application is shown in the picture. Below the application name bar is the main menu. Below the main menu is a toolbar. On the left side of the screen there is an area with a list of vehicles, objects, zones, routes and others. At the bottom of the area are the TABs of everything that is pinned to the area. Any of the TABs can be dragged to the screen. You should click with the left mouse button on TAB, hold it and drag it to a free part of the screen. The return procedure is reversed. You need to click on the window header from the screen with the left mouse button, drag it to the area with tabs and release the button when it takes the desired place. In the middle part of the screen is a map of the area. On the right side there is information about the vehicle, current location, driver, load, temperature and measurement sensors, fuel consumption and odometer status. In the lower part of the screen there are data on the selected vehicle/vehicles, GPS mileage data for the selected period, the speed graph for the selected period and the Routes and Delivery TABs depending on whether we want to monitor the speed graph or the data about delivery.



# Main menu

SkyTrack 4 Position Manager File Select Tools View Options Help

File

# Changing the user's password

File - Change user password - Enter old password - OK - Enter new password - OK

Enter old password	3
Enter old password	
++++	]
Ok Cancel	)

Enter new password	3
Enter new password	
+++++++	
Ok Cancel	)

Checking the request for changing the location of the objects

All objects located in the base are positioned at specific coordinates on the map. If the delivery is monitored on PDA devices and a situation arises where the delivery is confirmed from other coordinates, the system will offer to change the location of the object. If we have a object at a certain location and the delivery person confirms delivery every time from a location that is, for example, 200 meters away, the system will offer to change the location of the object to the location from which delivery is confirmed. The change does not have to be accepted, it is possible that the object's accessibility is difficult and that it is not possible to get closer with a vehicle. During the proposed change, it should be checked whether the object is positioned at the correct coordinates.

Position manager will inform the user every time the application is started that there are a certain number of unprocessed requests for changing the coordinates of the object.

Informat	tion 🛛
<b></b>	There are 6554 pending requests for object location changing. Do you want to open them now?
	Yes No

In order to display a notification when starting the application, it is necessary to check the option Display a warning if there are unprocessed requests to change object coordinates in the system settings.

Options - Settings - System Settings - Show warning if there are unprocessed object coordinate change requests.

The window can be accessed even if the application is already active.

File - Verification of object location change requests.

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#### Code of goods and services



#### **Export**

Export - Export objects - Mark the objects you want to export to CSV - Choose the name of the file you want to export to - Start

Export o	objects	
	Export objects	
		Choose type of exporting  Export into CSV file  Choose export file :  C:\Documents and Settings\Administrator\My Documents\Artrs.  Statistics Objects : -  0 %
		Close

Export - Export vehicle trips - Mark the vehicle and the period for which you want to export the trip - Choose the name of the file you want to export to - Start

Export	vehicle trips	
Sector	Export vehicle trips	
		Choose type of exporting  Export into Google KML file  Export into CSV file
		Choose export file : [C:\Documents and Settings\Administrator\My Documents\Trips]
		Choose export period : 29.8.2024-29.8.2024 12:37:14
-	Image: Second	Statistics       Vehicles :       Positions :    Start
	=	0%
	and the second s	
-		Close

Exporting Vehicle Stops and exporting Zones can be done in an identical way.

#### Map printout

Print map prepares for printing the map currently displayed on the screen with additional options for Print, Export and Export to PDF

Map printing - Horizontal or Vertical - Format



Exit The Exit option is used to close the Position manager application.

# **Selection**

#### Show the track

In order to display the track for the vehicle, it is necessary to select the desired vehicle in the list of vehicles and select the Show track option.

Select - Show Track or use the Show Track option on the toolbar



Select the vehicle - Show track - In the window that opens, you should set the beginning and end of the period for which you want the track - put a check mark next to Show track - OK

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	Track for last		15 minutes	
			Ok Ca	ncel

When we click OK, the route will be calculated for the given parameters and displayed on the map. The vehicle will appear in the list of selected vehicles in the lower left corner along with the GPS mileage for the selected period. In the extension, the speed graph for the selected period will be displayed.



In the window for selecting the parameters of the track calculation, there are options **Till end of current hour** and **Track for last**, which are activated by placing a select in front of the option:

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	5how tracks	
	From	
	26.8.2024 🔽	12:56:33 🔶
	То	
	29.8.2024 🔽	14:00:00 🔶
	Till end of current hou	r
	Track for last	15 minutes
		Ok Cancel

#### Searching

Selection - Search is used to search for entities on the map.

The same option is launched by CTRL + F

The tool is also on the toolbar



Searching – New window is open – Search for– Map object or addresses

🔕 Search			×
🔊 Search for :	Object name	Object type	•
	-A2	Motorway	
	—A2	Motorway	
Search for objects named:	-A2	Motorway	
a2	-A2	Motorway	
	-A2	Motorway	
Search now Stop search	-A2	Motorway	
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Search options	-A2	Motorway	
Search range	-A2	Motorway	
• In current region	-A2	Motorway	
C  Whole world search 📃	—A2	Motorway	
	—A2	Motorway	
Advanced	—A2	Motorway	
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		46 ob	oject(s)

# **Tools**

#### Pan

The Pan tool is used to move the map in all directions. Pan has an icon in the shape of a hand, click the left mouse button, hold and move in the direction you want. After moving, release the left mouse button.

🖑 Pan	Ctrl+P

#### Zoom in

The Zoom tool is used to zoom in on the desired area. Click the left mouse button, hold down, frame the area you want to zoom in on, and release the mouse button.



#### **Measure distance**

Measure Distance tool is used to measure the distance between two points on the map. Multiple points can be combined when measuring. Click on the starting point of the measurement with the left mouse button, release the mouse button and move to the next point. The distance will be shown as a dashed red line and the distance in kilometers as you move the mouse. If you combine several points on the second point, click the left mouse button, release and move to the third point, etc.



#### **Measure the area**

The Measure Area tool is used the same as the Measure Distance tool. The framed area is shown in square meters.





#### Info

The Info tool displays information about any entity on the map. When this tool is selected, the mouse cursor changes to a rectangle with a question mark in the lower right corner. The cursor should be positioned on the place about which you need to find out more information and a window with information will appear.



### Zoom in and Zoom out

The Zoom In and Zoom Out options zoom in and out of the map view.



#### **Overview**

The overview contains options for visual adjustment of the application. Options are activated and deactivated with a mouse click.

The appearance of the application without activated options in the preview is shown in the image.



By activating the options Vehicles, Vehicle description, Roads and Minimized view, we get the standard appearance of the Position manager application.



Clicking on the Objects, Events, Drivers and Zones options activates the TABs next to the vehicle TABs. By clicking on the desired TAB, a list of Objects, Events, Drivers and Zones is displayed.

	- •
Tracks	

Any TAB can be dragged to the screen. Click on TAB with the left mouse button, hold it down, drag TAB to the desired place on the screen and release the mouse button.



The return procedure is reversed. With the left mouse button, click on the TAB header, hold it, drag it to the place with TABs, and when it occupies the desired place, release the button.

By clicking on the Delivery option next to the Routes TAB, the Delivery TAB is activated, where deliveries can be tracked.



# **Options**

#### **Refresh vehicles**

The refresh vehicle option is used to refresh the position and tracks of vehicles.



The option is also on the toolbar.

File Select Tools View	Options Help				
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# **POI display**

The Display POI option is used to display the Point Of Interest on the map.

## Show POI option activated



## Show POI option disabled



The option is also on the toolbar.

File Select Tools View Options Help		
🖑 🔍 🔮 🛞 报 🔍 🤍 1: 147567	Vector map	Image: A state of the state

#### **Settings**

Settings are activated by checking the box in front of the option. They are deactivated by unchecking the box in front of the option.

# *General settings Fill in the background*

By checking this option, the background with no entities on the map will be filled. The background on the minimized view will also be filled.



# Display of country borders

By checking this option, borders between countries will be displayed on the map.





# Display of the area of the cities

Checking this option will show the city areas on the map.



# Display of roads

Checking this option will show the roads on the map.



# Display of cities > 100,000 inhabitants

By checking this option, the names of cities with more than 100,000 inhabitants will be displayed.





# Display of cities with 10,000 - 50,000 inhabitants

By checking this option, the names of cities from 10,000 to 50,000 inhabitants will be displayed.





# POI display

Selecting this option will show the Point Of Interest on the map.





Color scheme 1



Color scheme 2



# Color scheme 3



# Level of detail

The level of detail shows the details on the map. If it is closer to 100, the map is more detailed. If it is closer to 1, the map is with less detail.



# Transparent Info tool

By checking this option, the info tool will be transparent.



#### Alarm settings

Option to display alarm events for the desired number of days. If you want the alarm event to be displayed with sound, check the Show alarm event with sound option.

C Alarm options	
😫 Show alarm events for the last	1 🤤 days
Play alarm.way on alarm event occured	

#### **User objects**

#### Refresh vehicles

This option is used to automatically refresh the vehicle position. The refresh time can be adjusted.



In order for the option to be active, you need to set the time and select it. It is also necessary to activate the Automatic periodic refresh option located on the toolbar. The option is activated and deactivated with a mouse click.



#### Show vehicle labels

Activating this option will display the vehicle label or registration next to the vehicle icon.



# Shape

This option allows to change the display of the shape of the vehicle. The shape can be selected from the drop-down list.

Shape
Icon 🗸
Icon
Rectangle
Circle
Triangle
Upside down triangle
Round rectangle

# Show object name

Activating this option will display the name of the object.



# Show object zones

Activating this option will display the size of the object zone.





# Grouped display of objects (Clustering)

Activating this option will enable a grouped view of objects when viewing a larger area on the map. The number in the circle shows how many objects are in the area.





Display of flags at the main points of the routes

Activating this option will enable the display of flags at the main waypoints of the routes.



# Display the direction of the route

Activating this option will enable the route direction to be displayed.



# Display of user zone names

Activating this option will display the user zone names.





# The filled background names the zone on the map

Activating this option will fill the background of the zone name on the map.



# Display of the area of the zone in the name on the map

Activating this option will enable displaying the area of the zone in the name on the map. The area is shown in square meters.



# The transparency of the zone display

The transparency of the zone display can be adjusted as desired.





# Event Objects

Checked event objects will be displayed on the vehicle path. Checking the name will display the name next to the path object. The shape of the road object can be selected from the drop-down list.

Eve	nt objects Show	Labels	Shane
	Stop points when speed is 0	Labels	Dhape
4	km/h more then (sec.)	Show	Icon 🗸
<b>\$</b> 3	Motor Off points	Show	Icon 🗸
<b>8</b> 9	Motor On points	Show	Icon 🗸
ŵ	Engine points	Show	Icon 🗸
<b>@</b>	Status points	Show	Icon 🗸
	MicroBox points	Show	Icon 🗸
Î	RF ID points	Show	Icon 👻
	Document points	Show	Icon 🗸

#### **Online maps**

To enable the use of online maps, it is necessary to select the Enabled use of online maps option. Open street maps and Here maps are available.

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1	Setup	
<u> </u>	Common options       User objects       On-line maps       Misc       Units of measurement       System options         Image: Common option         Image: Open street maps options       Disk cache usage :       144,4 MB         Image: Clear disk cache       Image: Clear disk cache         Image: Clear disk cache       Image: Clear disk cache         Image: Clear disk cache       O,0 MB         Image: Clear disk cache       API Key	

Vector map



#### Open street map



#### HERE map



Here maps require creating an account and creating an API. You can get instructions from support colleagues, support@artronic.net or support@skytrack.net.

#### Additionally

Calculation of current fuel consumption based on the last X minutes

Activating this option will refresh the consumption calculation in the vehicle information for the desired number of minutes.

Calculate current fuel consumption on the base of last	15 🛟	minutes
Fuel consumtion / Odometer		

# Show the Ungrouped first in the list.

Activating this option will show the ungrouped first in the list.

SkyTrack 4 Position Manager		
File Select Tools View Options Help		
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Vehicles	ļ, ļ	×
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## Turning the map in the direction of travel of the currently selected vehicle

Activating this option will allow the map to be rotated in the direction of movement of the currently selected vehicle.

# Show colors of vehicles in the list

Activating this option will show colors in the vehicle tree. The colors shown are the road colors selected in the vehicle settings.



Selected vehicle road color - Right-click on the vehicle - Vehicle properties - From the display, select the desired color from the offered color palette.

#### Show column of assigned hendheld terminal in the tree

Activating this option will display the assigned hendheld terminal in the vehicle tree.



#### Show column of company name in the tree

Activating this option will show the Company name in the tree.

#### Show column of logged driver in the tree

Activating this option will show the name and surname of the driver logged to the vehicle in tree.

 . 4	
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# Color display of objects in the list

Activating this option will show colors in the object list. The colors shown are the colors selected in the object settings.

Objects	<b>q</b> ×
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## Show only active objects in the tree

Activating this option will show only active objects in the object tree.

### Show colors of routes in the tree

Activating this option will show route colors in the route tree.

## Show colors of zones in the tree

Activating this option will show zone colors in the zone tree.



#### Show area of zones in the tree

Activating this option will show zone areas in the zone list. The area of the zones is shown in square meters.

3258,8 m2
11282,2 m2
7228,8 m2
2955,1 m2
815,1 m2
5824,7 m2
1188,3 m2
4220,5 m2

## Show colors of tracks in the tree

Activating this option will show road colors in the list of selected vehicles.

Tracks		
	Δ	
💦 Seat Cordoba		123,24 km
		n

# Show track point labels on the timeline

Activating this option will show track point labels on the timeline.



#### Show RPM data on the track chart

Activating this option will show rpm data on the track chart.



# Show analog values on the track chart

This option will show analog values on the track chart.



# Show temperature values on the track chart

20 Temperatura 15 10 5 STR 2.000 1.500 RPM 1.000

#### This option will show temperature values on the track chart.

# Show colors of events in the tree

Activating this option will show colors of events in the tree.

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	4	5.	3.2021. 10:31:23	0 d. 00:02:19	
	1	5.	3.2021. 9:08:09	0 d. 01:22:40	
	4	5.	3.2021. 8:34:50	0 d. 00:01:43	
	4	5.	3.2021.	0 d. 08:30:34	
0	est s	Sp.	rrow 868204003	946570	
	2	5.	3.2021. 11:34:05	0 d. 02:44:52	
	-2	5.	3.2021. 11:07:00	0 d. 00:02:25	
	- 2	5.	3.2021. 10:57:53	0 d. 00:07:57	
	-2	5.	3.2021. 10:31:22	0 d. 00:02:20	
	-2	5.	3.2021. 9:08:18	0 d. 01:22:54	
	- 2	5.	3.2021. 8:34:49	0 d. 00:01:45	
	- 0	5.	3.2021.	0 d. 08:30:47	
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	- 4	5.	3.2021. 11:34:05	0 d. 02:44:52	
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	1	5.	3.2021. 8:34:49	0 d. 00:01:44	
	1	5.	3.2021.	0 d. 08:30:47	

## Show driver login at the stop event beginning in popup menu

Activating this option will show driver login at the stop event with beginning in popup menu.

Select the vehicle - Select the track - Right click on the stop event - An information menu will open - position the mouse cursor on the stop event - A popup menu will open with information about the driver login.



#### Show temperature at the stop event beginning in popup menu

Activating this option will show temperature at the stop event in the popup manu.

The example and procedure are as in the picture above, to show login driver with the stop event in the popup manu.

### Highlight stops at delivery objects

Activating this option will show stops in a different color at the object of the delivery plan.



# Units of measurement

Units of measurement can be adjusted to the region. It is necessary to select the appropriate units of measurement from the drop-down list.

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1	Setup								
	Common	options User objects On-line maps	Misc Units of measurement System options						
		Distance	Kilometers						
		Speed	Kilometers per hour						
		Area	Square meter						
		Coordinate	DMS - Coordinate containing degrees, minutes, and $\checkmark$						
		Distance fuel consumption	Litres per 100 kilometers						
		Time fuel consumption	Litres per hour						
		L							

🔕 Setu	р	,		
	Setup			
	Common options User of	ojects On-line ma rement	aps Misc Units of measurement System options	
	Distance		Kilometers 💌	
	Speed		Kilometers Miles	
	Area		Nautical miles	
	Coordinate		DMS - Coordinate containing degrees, minutes, and $\checkmark$	
	Distance fuel o	onsumption	Litres per 100 kilometers 🛛 🗸	
	Time fuel cons	umption	Litres per hour	



#### System options

# Restore default layout

The initial layout of the windows can be restored at any time. The option requires a restart of the application.

🥔 Setu	)	
	Setup	
	Common options         User objects         On-line maps         Misc         Units of measurement         System options           System tools         Restores default layout         Restores default layout of the floating windows. Requires application restarting.	

# Show warning for pending requests to change object location

Checking this option will notify when starting the application that there are pending requests to change object coordinates.

Informat	tion 🛛
<b></b>	There are 6554 pending requests for object location changing. Do you want to open them now?
	Yes No

# Show all drivers logged at the real beginning of the trip

Activating this option will show all logged drivers at the real beginning of the trip.

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## Highlight temperature out of range

Activating this option will highlight temperatures outside the range in red.

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and the second s	All Inclusions	and the second second		i final	10000	-	0°:+30*	+9*

# Display of bins

Specifying the show of bins in the Position manager application. In the drop-down list, you can select the desired view.

RFID no tag	1
RFID unknown tag	📋 🖌
RFID known tag	📋 🔽

# Help

## Check maps for updates

Help - Check maps for updates - Check for updates - Wait a few seconds - The system will show the versions of maps available for update - In the selection, check the maps you want to update - Update the selected maps.

Map update						
					Chec	k for updates
					Upd	ate selected
Map name 🛛 🛆	Installed version	Address space	Map copyright	Available version	Size	Select
ALB	2024.06	<ul> <li>✓</li> </ul>	Data source © TomTom			
BIH	2010.06		Data source © TeleAtlas			
BND	2017.09		Data source © TomTom			
HRV	2010.06	<b>V</b>	Data source © TeleAtlas			
MKD	2010.06		Data source © TeleAtlas			
OUT	2008.04		Data source © TeleAtlas			
SRB	2021.12	<b>V</b>	Data source © TomTom			
SVN	2008.07	<b>V</b>	Data source © TeleAtlas			
XKS	2021.12	<b>V</b>	Data source © TomTom			
Please, quit all Sky1	Frack applications bef	ore starting update	process.			Close

Map update						
			/		Check	for updates te selected
Map name 🛛 🛆	Installed version	Address space	Map copyright	Available version	Size	Select
ALB	2024.06	<b>V</b>	Data source © TomTom			
BIH	2010.06		Data source © TeleAtlas	2024.06	47.98 MB	<ul> <li>Image: A set of the set of the</li></ul>
BND	2017.09		Data source © TomTom			
HRV	2010.06	<b>V</b>	Data source © TeleAtlas			
MKD	2010.06		Data source © TeleAtlas			
OUT	2008.04		Data source © TeleAtlas			
SRB	2021.12	<b>V</b>	Data source © TomTom			
SVN	2008.07	<b>V</b>	Data source © TeleAtlas			
XKS	2021.12	<b>V</b>	Data source © TomTom			
Please, quit all Sky	Track applications bef	ore starting update	process.			Close

You can follow the upgrade process of selected maps.

Map update							
<b>ВІН</b>			0 %				k for updates
	Downloading			100 %		) Upd	ate selected
Map name	△ Installe	ed version	Address space	Map copyright	Available version	Size	Select
ALB	202	24.06	<b>V</b>	Data source © TomTom			
BIH	20	10.06		Data source © TeleAtlas	2024.06	47.98 MB	
BND	20	17.09		Data source © TomTom			
HR¥	20	10.06	<b>V</b>	Data source © TeleAtlas			
MKD	20	10.06		Data source © TeleAtlas			
OUT	20	08.04		Data source © TeleAtlas			
SRB	202	21.12	<b>V</b>	Data source © TomTom			
SVN	20	08.07		Data source © TeleAtlas			
XKS	202	21.12	<ul> <li>V</li> </ul>	Data source © TomTom			
Please, quit al	Please, quit all SkyTrack applications before starting update process.						

#### About the program

About the program contains information about the current version of the Position manager application. It is recommended that the application is always on the latest version. Registration can be made by clicking on Registration and entering the activation code, as well as measuring the speed of the Internet connection.



# Toolbar



# ংশ্

Used to move around the map. You can press the left mouse button and hold it - The pointer changes to a clenched fist and as you move the mouse, the map moves as well - When you move to the desired place, release the mouse button.

Q

Map zoom tool. If you want to enlarge an area, click the left mouse button - Hold it - Move the mouse to frame the area - Release the mouse button

## <u>t</u>≟±

Distance measuring tool. Distance measurement is started by clicking the left mouse button on the desired place on the map - The point you clicked to start the measurement will be fixed - After that, you move the mouse to the next point to which you want to measure the distance. All the time when moving the mouse to the next point the distance will be displayed. More points can be added to the measurement, when you reach the second desired point, click with the left mouse button, it remains fixed like the beginning of the measurement, and continue to the third desired point. In this way, as many points as needed can be added.

# Ø

Area measurement tool. Area measurement starts by clicking the left mouse button - Move the mouse to the second point - Click the left mouse button - Continue moving to the third point and so on until you frame the desired area. The area of the framed area will be showed in square meters.

# ?

The Info tool show information about any entity on the map. When this tool is selected, the mouse cursor changes to a rectangle with a question mark in the lower right corner. The cursor should be positioned on the place or vehicle about which you need to know more information and a window with information will appear.



Zooming in on the map view.



Minimize the map view.



The size of the map display in the ratio 1:X. The view can be zoomed in and out by scrolling the mouse, using the tools on the toolbar, and clicking on the drop-down list.



Selection of map view. Vector, Open Steet and Here maps are available in the drop-down list.



The POI view is used to show the Point of Interest on the map.



Go to. It is used to change the coordinates of objects. The coordinates must be entered in the window that opens when we activate the option.

🔕 Edit coordinate	
Longtitude (X)	22,3311157226562
Latitude (Y)	43,1371536254883
◯ Full 💿 Short	Ok Cancel



Refresh. It is used to update the vehicle's position and paths.



<del>9</del>85

Automatic periodic refresh. It is used to automatically update the vehicle's position and paths.

The refresh period must be set in the options. Options - Settings - User objects.



Show the track. Select the vehicle - Show track - In the window that opens, you should set the beginning and end of the period for which you want the track - put a check mark next to Show track-OK

🔕 Track	
5how tracks	
From	
30.8.2024 🗸 🗸	00:00:00
То	
31.8.2024 🗸 🗸	00:00:00
Till end of current hou	ır
Track for last	15 minutes
	Ok Cancel

2

Used to search for entities on the map. Click to open a window for entering the required term. Enter the required term in the search object and click Enter.

a Search			
🔊 Search for :	Object name	Object type	
	-A2	Motorway	
Map objects Address	-A2	Motorway	
Search for objects named:	-A2	Motorway	
a2	-A2	Motorway	
	-A2	Motorway	<b>E</b>
Search now Stop search	-A2	Motorway	
	-A2	Motorway	
Search options	-A2	Motorway	
Search range	-A2	Motorway	
In current region	-A2	Motorway	_
C Whole world search	-A2	Motorway	
	-A2	Motorway	
Advanced	-A2	Motorway	
	-A2	Motorway	
V Case Insensitive	-A2	Motorway	
	-A2	Motorway	
	-A2	Motorway	-
	- 42	Mohonwasz	×
			46 object(s)

It is possible to change the Search area.

In the current area - Search will only work in the area shown on the screen.

Under the current area, it is possible to select a country and search for a term.



This tool is used when we want to position ourselves on an object, vehicle, road or something else that is selected in the lists on the left side of the screen. When we click this tool, the selected object is positioned in the middle of the screen and a red arrow indicating the place is displayed above it.

The same can be obtained by double-clicking on the name of the object in the list of objects.



Tool to go to the selection link. In the vehicle properties, it is possible to set a link for each vehicle or object in the system. Clicking on this tool opens the defined link in the Internet browser.

Vehicle name	Seat Cordoba
Vehicle properties	Device properties Sensors Alarms Tachograph SkyTrack <sup>™</sup> Logistics
Group	Groups
Model	▼ Models
Visualization	Vehicle type       Seat Cordoba FMS       ✓ Vehicle
Link www.art	ronic.net Vehicle spend (l/100km) 10,0

8

Selection Properties displays a window where changes can be made.

Vehicle name	Seat Cordoba				
Vehicle properties	Device properties	Sensors Ala	arms Tachogra	ph SkyTrack™	<sup>1</sup> Logistics
Group				*	Grou
Model				*	Mode
Description Vehicle Identifical	ion Number (VIN)				
Link www.art	ronic.net		Vehicle spe	nd (1/100km)	10

Change the selection. If an object, route or zone whose position or dimensions can be changed is selected, clicking on this tool will allow the selection to be changed.



Deselect. Clicking this option will remove the current selection and nothing will be selected.

# Vehicles tree, objects, events, drivers, routes and zones

Trees are on the left side of the screen. In the preview, select which of the TABs will be displayed. By clicking on the desired TAB (in the example from the Vehicles image), a vehicles of all tree and vehicles groups will be displayed.



# Expanding and contract of vehicle groups

Expand all groups. Clicking this option will expand all groups.



Contract all groups. By clicking this option, all groups will be contract.

🔕 SkyTrack 4 Position Manager	
File Select Tools View Options Help	
🥐 🔍 🚣 🛞 报 🔍 🍳 1: 300 🛛 💌	ŝ.
Vehicles 🛛	$\times$
	^
<b>■</b> /	
±,	
÷/	
•	
<b>₽</b> E	
• •	Ξ
± (	
	1
• •	,
• F	
± (	
÷.	
•	
÷ )	
•	
1 🗉	
• r	~
🕼 Vehicles 👃 Track   🕵 Drivers 🛛 🕸 Zones 🛛 🌚 Object	s

By clicking on the plus or minus next to the vehicle groups, we can expand or contract only one vehicle group.

Vehicles	ф	×
	Δ	^
🖨 Artronic		
		Ш
₩1 ₩1		

# Selecting all vehicles



Set everything up. Clicking this option will select all vehicles.

	4	
10 <b>2000</b>	1	
	40 m	_
0.55		
	and the street	
2	47.00	
= 406		
- M	all in some	
M		
	5	
- M		_
A		_
8	States and the second	_
M	C and a state of the state of t	_
- M	Contract of the local division of the local	
- M		_
ADRING	The second se	_
2	AN IN COLUMN	_
	a summer	_
- 23		_
- 23	An a sum of	_
2	De summers	_
ADR		_
PI	All loss	_
Administra	And in the second second	_
M	AN I LINEAR	_
Aprilla		
R	A statistical second in	_
2	24	
	and the subscription of th	_
- 12	and the state of t	
2	A DESCRIPTION OF	
80.0		

Remove everything. Clicking this option will uncheck all vehicles.

Vehicles 🛛 🕂	×
	^
±h 	
■	
÷	

If you want to select all vehicles from one group, you can double-click on the group name.

# **Additional options**

Right-clicking on a vehicle provides access to additional options.

💕 Edit vehicle
🔲 Send message
Documents
🛞 Send zone to vehicle
怪 Send sleep command

#### **Vehicle properties**

Right click on the vehicle - Vehicle Properties opens a window where changes can be made.

🔕 Edit	vehicle		X
	Vehicle pro	perties	
	Vehicle name	Colibri TEST 1	
	Vehicle properties	Device properties Sensors Alarms Tachograph SkyTrack™ Logistics	
	Group Seat T	set Groups	
	Model	Models	
	Visualization	Vehicle type	
		Vehicle	
	Description		
	Vehicle Identificat	ion Number (VIN)	
	Link	Vehicle spend (l/100km) 10,00	
	1002971		
	1003071		

- The vehicle name can be changed.
- A vehicles groups can be selected from the drop-down list of groups.
- The model can be selected from the model drop-down list.
- The type can be changed from the type drop-down list.
- Choose the color of the vehicle road display from the color palette
- Select the vehicle display icon from the selection of icons.

#### Choice of vehicle road color



#### Selecting the vehicle display icon



#### Send a message

If PDA devices are used in the system, it is possible to send a message to the PDA through the position manager.

Right click on the vehicle - Send message - A window will open where you can type a message - Send.

🗿 Porul	ke - Test V	ozilo		X
7 dana	30 dana	Od početka		
est 09.0	13.2021		(	
				100

A message can also be sent from the Vehicle Description on the right side of the screen.

The vehicle is selected - The mouse is positioned in the lower right corner behind the image of the vehicle - The send message option will appear.



An image can be uploaded to the message.



Clicking on this option will open a window for selecting an image from your computer.

#### **Documents**

It is possible to arrange the desired document with the vehicle. Right click on the vehicle - Documents - Add

邎 Vehicle documents							×
Year < 2024 🕨 🕅	/ehicle Colibri TEST	10					
Main 🛞 Dr							
🛅 New (Ins) 🛛 Nu	mber 💌 Date	🗸 💌 Туре	Descrption		⊻ Quantity	💌 Total	~
<ul> <li>Edit (Ctrl+Enter)</li> <li></li></ul>	💋 Edit docume	ent				X	
Additional (*)	0000000	Document date	30.08.2024 11:54:37 🗸 🗸				
Document's goods		Vehicle	Colibri TEST 1			~	
		Document type	General document			*	
		Description	0.000	Total	0.00		
		rocal quartery	0,000		0,00		
	Item		Quantity	Price	Total		
	0						
	Ins - Insert item,	Ctrl+Del - delete iten	1		Ok Cano	:el	
						Close	

# **Objects**

A list of all objects and object groups will be displayed when you click on the Objects TAB.



The options for contracting and expanding all groups of objects, selecting and unselecting all objects, as well as selecting the entire group of objects by double-clicking on the name of the group of objects are done in the same way as on the TAB of the vehicle.

#### Adding an object

To add an object, right-click on the map where the object is positioned. After that, click Add objects - A window will open in which you enter information about the object:

#### **Object settings**

Name, Group, View, Size, Coordinates, Description, Connection, Zone, Driver associated with the object

Object name Test object		
Specific workame	Delivery options	SkyTrack™ Commercial
Object properties	5 Object GIS	SkyTrack™ Logistics
Object properties		
Group Ungroupped		Groups
<ul> <li>Visualization</li> </ul>	Position	
	▼	tive
R Object	V Size	50 meters
• • • • • •	Bostion	E 20°22'41 4" N 44°48'18 2"
Description	/	
Link		
	Not specified	
Object's zone	not specifica	
Object's zone		

#### GIS system

External object code, GLN code, City, Address, Telephone number, House number, Postal code, Partner properties.

🔕 Edit	object		X
	Object properties		
	Object name Test object		
	Specific worktime Deliver Object properties Of	y options oject GIS	SkyTrack™ Commercial SkyTrack™ Logistics
	Object GIS ID	Object GLN	
	Object towp	Object teleph	hone
	Diject address	House numbe	
	Object partner GIS ID Object GIS Code	Object partn	er GLN
	0 Object partner name	Object partn	er town
	bject partner address	Partner PTT	
	Object identification number	Object MB nu	ımber
			Ok Cancel

#### **Logistics**

The object is LDC (if yes, select that it is LDC), Customer type, Duration of delivery, Waiting time, Object belongs to LDC, Object requires a vehicle with a loading ramp (if required, select), Object Availability, Object Complexity, Side of the object on a one-way road, Priority object, delivery time.

🄕 Edit o	object
	Object properties
	Object name Test object
	Specific worktime Delivery options SkyTrack <sup>W</sup> Commercial Object properties Object GIS SkyTrack <sup>W</sup> Logistics
	Object is LDC         Delivery detailion         Delivery waiting duration           Cbject customer type         Image: Comparison of the customer state of the custo
	Object belongs of LDC     I collect demands ramp       Object accessibility     Object conclusions of the one-way road       A - Lask dostupnost objekta     0
	Object briority (higher value - higher priority) 5 Object dailvery time 1. Osnovky radno vrijeme
	ponedeljak 800-1800 utorak 800-1800 srijeda 800-1800 četvrtak 800-1800 subota 800-1800
	Ok Cancel

#### Special delivery time

Special delivery time may be added. The test object from the example was added to receive goods only on Monday and Friday from 08:00 to 09:00. When there is a change, in this case it is also possible to receive goods on Wednesday - Right click on Wednesday - Add delivery time - Set the time from 08:00-09:00 and click OK.

🧭 Edit	object		×
	Object properties		
	Object name Test object		
	Object properties	Object GIS	SkyTrack™ Logistics
	Specific worktime	Delivery options	SkyTrack™ Commercial
	- Specific worktime by cargo type		
	Cargo type GHM - He	mija	*
	ponecjeljak utorak srijeda četvrtak petak subota necjelja 2:00 4:00	6:00 8:00 1 Start time	r time
	ponedjeljak 8:00 - 9:00 utorak srijeda četvrtak petak 8:00 - 9:00 subota nedjelja		Ok Cancel
			Ok Cancel

#### **Delivery options**

Generate delivery ETA infomation

Send delivery ETA notification by sms.

Send delivery ETA notification by e-mail.

Work with delivery notes. A list upon delivery is required, Documentation is required to be sent after delivery.



#### **Commercial**

Commercial availability of the object, Size, Location for commercial (coordinates can be pulled from the main location)



After entering the correct data, click OK and the object will be displayed on the map and in the list of objects.



#### Changing the location of the object

If it is necessary to change the location of the object, it is necessary to right-click on Object in the list of objects. Additional options Edit Object, Change object location, Change object commercial location and Delete object will open.



Clicking on the change location of the object will change the mouse cursor to a crosshair. You can move it around the map to where you want to position the object. With the left mouse click, you click on the desired place - a message will appear on the screen



You click Yes - a message appears



Click Yes and the object will be moved to the new location.

#### **Deleting an object**

Right click on an object in the list of objects - Delete object

Con	firma	tion		$\mathbf{X}$
Ċ	$\langle \rangle$	Delete o	bject, are yo	ou sure?
	١	'es	No	

If after CAREFULLY reading this message you are sure that you want to delete the object, click Yes and the object will be deleted from the system.

## Zones

#### Adding a zone

Position yourself at the place on the map where you want to draw a zone - right click - add zone.

949'40"			
	🚔 Measure distance		
	Add route		
	🖄 Add zone from selection		
A 4.7 m			

A zone settings window will open. The Zone Name is entered, the zone group can be selected from the drop-down list. If there is no zone group, click on Groups... the desired zone group can be added. Select the Zone Color from the drop-down list. From Monday to Sunday, the days on which the zone is active can be selected. Click OK.

In the example from the picture, the Test zone is active every day.

🥭 Edit	zone
	Zone properties
	Zone name          Test Zone         Zone properties       Sale channels         Group       Image: Color         Color       Image: Color         Description       Image: Srijeda         Image: Color       Image: Color         Image: Description       Image: Srijeda         Image: Color       Image: Color         Image: Description       Image: Color         Image: Descripticol       Image: Color
	Ok Cancel

After clicking OK, you will notice that a dotted line has appeared with a flag for plotting or determining zone points. The place where you first right-clicked - Add zone is taken as the starting point.



To continue drawing, move the mouse to the next desired point - click with the left mouse button, fix the second point, then move to the third point and so on until you frame the desired zone. When you draw the last point - right-click the mouse and click on the name of the zone. In this way, you have completed the drawing of the zone.



The zone will then appear in the list of zones in the upper left corner.

# **Vehicle description**

#### **Description of the vehicle**

The vehicle description shows the current information about the vehicle and its current location. Registration, whether the vehicle is currently connected or not connected to the server, current speed if the vehicle is moving, whether it is turned on or not, date and time of the last report, current location displayed with coordinates, city and address.

Vehicle description
8
Connected Speed: 16.3 km/h 1803 rpm Time: 30.8.2024 12:55:33
Position
€ 21°19'27.8" PDOP= 1,2 N 43°34'55.4"
Driver 🛞
Cargo 🛞
Temperature / Analog values 🛞
Fuel consumtion / Odometer 🛞
Image: Constraint of the second sec

We can see if the vehicle is currently on by the smoke coming out of the exhaust.



With the location in the lower right corner there is an option Show in Google street view.



#### Driver

Contains information about the registered driver. It can contain a picture, Name and Surname, Date and time of creation of the driver in the system, Phone number.



# **Temperatures/Measurements**

Displays the current temperature and analog measurements connected to the vehicle.



# **Fuel consumption/Odometer**

Current display of fuel consumption and odometer status. If the vehicle is turned off, consumption will not be displayed. The data refresh period is set in additional settings.

Fuel consumtion / Odometer	۲
<ul> <li>Image: Second state</li> <li>Image: Second state</li></ul>	
ptions - Settings - Additional	

🔒 Calculate current fuel consumption on the base of last

15 🤤

minutes

# **Deliveries**

The Cargo view TAB is activated in the Overview. By clicking on Cargo view in the lower left corner, you can track delivery data for selected vehicles.



In the upper left corner of the Cargo view TAB, there is information about the vehicle for which we are monitoring the delivery, as well as the view date.

View date 📢 🖣 30.8.2024 🕑 🕨 🕨 🤌 😒 🥬 😭 📼 🖳 📩 🚵 🔛 🚱	

The view date can be changed to the black arrows to the left and right of the date or can be selected from the dropdown list.



Show planned rides on the map. Clicking on this option will show the planned rides on the map with the objects and the planned order of visiting the objects.



85

Show the way. Clicking on this option will show the track of the vehicle for which you are tracking the cargo.





Shipment search is an option that will open a search window by shipment description or object name.

💋 Search cargo		
Cargo description or object name	٩	10 days 🗘 🔻
Drag a column header here to		
🗄 💌 💌 💟 Docume 🔍 C		urce 💌 Object na 💌 Ob 💌 Dr 🔍 Vehicle 💌 Vi 🔍 Tr 🔍 🔍 Bi 🔍 Er 🔍 Cargo / 🔍 Comme 🔍 🔍 Car 💙
0		

1

Cargo details. Highlight the cargo in the cargo list and clicking on this option will allow you to view the Cargo details.

🔕 Search cargo					
Cargo description or object name		٩	10 days 🗘 🗸		
Drag a column header here to a					
1 V V Docume V C	V V V WE Voli V Caj V	C 💌 Am 🔍 I 🔍 Mo 🔍 Source	💌 Object na 🔍 Ob 🔍 Dr 🖲	✓ Vehicle         ✓         ✓         ✓         ✓         ØF         Er         ✓         Cargo #           30.8.         1         1         07:21         07:22	Comme V Car V 28.8.20
1	4 kg 23 m3 0,03	29,00 3 54,56			
0,144 sec					

Image preview. This option will enable viewing of the image that was captured by the PDA and sent to the server.



Save image to file is an option that will allow you to save the sent image to a file on your computer.



This option will set trip real begin time.



This option will allow changing the invoiced cost of the trip.



This option will allow you to reset your visit information.

Right-clicking on a delivery opens a window with additional options:

- Mark as delivered
- Mark as not delivered
- Mark as partially submitted
- Canceling the delivery status
- Return to unassigned for redelivery

Cargo view							
View date 📢 ┥	30.8.2024	M 🕨	▶   🦻	×s 🖗			
	Trip / Object			Plan	nned		Vis
Driving #1				06:00	12:35	07:13	12:
1.					06:51	07:55	08:
- 🞯 2.					06:57	07:55	08:
	_						;
#1 MAGAC							
	5:00	5:15	5:30	5:45	6:00	6:15	6:30
😽 Tracks 😭 Carg	jo view						

#### Details of the ride/delivery location

The green select on the delivery box is the information about the delivery confirmation from the PDA device.

# Visit data

Planned - Planned visit time in Logistics.

Visited - Time of visit by GPS.

Executed - Delivery execution time by GPS.

Plan	nned		Visited				Ex	ecuted				
<u>06:00</u>	<u>12:35</u>	<u>07:13</u>	<u>12:54</u>									
06:45	06:51	07:55	08:03	#1 00:07	3	) <b>.8.202</b> 4 8	3:02:46		Delivere	ed		
06:51	06:57	07:55	08:03	#1 00:07	30	) <b>.8.202</b> 4 8	3:02:47		Delivere	ed		
									ĺ			
5:45	6:00	6:15	6:30 6	:45 7:00	7:15	7:30	7:45	8:00	8:15	8:30	8:45	9:00

# **Cargo information**



# Information about the temperature during delivery

	Temperature				
0 <u>,46</u>					
3,59	+1°:+	25°	0,0°		
9,66	+1°:+8° 0,0°			~	
			,		
			1		
5	12:30	12:4	<b>i</b> 5 13:	:00	

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