Introduction

SkyTrack 4 Logistics

Skytrack 4 Logistics is a sophisticated and very advanced program in the SkyTrack 4 program palette. Skytrack 4 Logistics serves to optimize delivery and reduce the working time of logisticians, storekeepers and drivers. Proper use of this program reduces the number of kilometers traveled, saves fuel, and reduces the number of working hours of drivers and logisticians.

SkyTrack 4 Logistics enables:

Selection of the vehicle with which we want to make a delivery for a certain date.

Deployment of documents containing information about delivery and objects on vehicles, through automatic deployment or manually.

Overview of driving shipments by weight, volume, capacity.

An overview of the expected time of arrival at a particular object, as well as the expected time stay.

Overview of distributed and undistributed shipments by specific Distribution Centers.

Overview of trip(s) on the map, as well as unassigned shipments on the map.

<u>Welcome</u>

Welcome to SkyTrack Logistics!

SkyTrack 4 Logistics is a software for optimization of delivery, and it is used to arrange packages by vehicles and send those vehicles to delivery points. The goods are distributed by vehicles in order to evenly distribute the load on all delivery vehicles. Advanced algorithms take into account the total mileage per individual truck and the working hours of workers, compatibility of types of goods and vehicle models are also taken into account.

[Read-only] ArtAdmin - SkyTrack 4 Logistics × File Dictionaries Solutions Cargo Reports Options Help) Trips 萃 Cargo 쯔 🔎 💱 🜉 🛛 🗖 🔛 😭 👘 Al Solve ! Date: 27/08/2024 🖂 🔁 🛞 🕅 🔂 🗹 🗆 😓 🔰 🎝 🎝 🌲 🖏 I I I I Vehide I Shift I Begin End I Limit Kry I WI VI CI AN MU I I Source 🛆 🗸 2,635 4.750 4.5 9,00 0.00 1 0 1010010 00:00 08:43 23:59 350.7 1 TRESING 07:19 23:59 164.9 3,221 18.8: 19.2 21,3 0.00 1 0 00:15 1 Source : MILT CINTRALA DEDORM 00:00 09:03 23:59 333.4 3,108 5.978 7.1 8,59 0.00 3 TREMPTO 1 0 27/08/202 PSF 9928126548 GO 11(BE(UG) 08: R.C Bje Ô TRANSVE 10:38 23:59 504.2 1 00:00 3,225 5.70 7.2 10,6 0.00 1 0 27/08/202 2005589235 GPI 110 ŠIN DO PO 014 06: PSF 🖄 R.C R.C 🖂 Ô \bowtie TRESIVE 8:17 23:59 164.9 9,19, 47,7, 32,5 92,5 0.00 1 12:08 23:59 493.7 110 2107069614 GPI 110 ŠIN DO Dig NP: 06: 00:00 6.806 26.0: 15.3 22.5 0.00 4 7 27/08/202 PSF R.C And Ô 328 00:00 12:45 23:59 4 km 19 kg 1 m3 78.0 3.25 6.77 28 .45 27/08/202 PSF ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ ♀ R.C And Ô 27/08/202 R.C And PSF ٧ 🗙 🗹 (Lock = Locked Customize.. PSF 🖄 😭 2112104873 GPI 11(ŽIT DR. MA 21: 06: 27/08/202 R.C Pet 6 27/08/202 R.C R.C 🗹 PSF 2005590896 GPI 110 OBI MA ٢ Trip view 10444 164604087-110 1244341.300 10:107-41 41 014 06: 6 27/08/202 CVLDC B PSF 🖄 🍞 9928131845 GPF 110 ERI PIC MA 992 08: R.C Mla 🗹 Are Docum Doc. date Begin End Objecti Obj Wei Voli Car Itei Tin 27/08/202 CMDRE B PSF 🔄 🍞 2119083972 GPł 11(ST/ TR(MA 21: 06: R.C Milc 🖂 6 1 Arei 0081230438 27/08/2024 02:22 06:29 DC Kral 119 17 0.0 0.0 22 06: 27/08/202 DILLING A PSF 🎘 😭 9924694686 GM 11: ST/ RAI KR/ (C) R.C Say 06: 2 Arei 0081230437 27/08/2024 06:29 06:38 DC Kral 119 101 0.4 0.4 66 06: 27/24 Are: 0081230433 27/08/2024 09-54 10-10 DC Nov 119 107 0 5 0 4 69 06-1 1 I kg m3 26 42 n Trips details Map view 萃 🖑 🔍 🎰 👔 🔍 🔍 🏹 🍘 🏠 🐼 🐼 🖕 1: 11846693 \sim 💹 😼 😭 😭 😺 liteliy .3 ka 🇞 Trips timeline 萃 494 TRANSPORT- TO TONN TRADERORY-TO. A. 118.5 km TONY TRANSPORT. TR. urce © LALOUTTC: DOG. ata source © TeleAtlas 國 🚳 🐯 🚳 E 13°25'31.7" N 39°10' 5.0" ----80 300-A3 ~ DB: 27.288 sec 1.820 sec 0.0% 📚 Object : DC Kraljevo

Application layout

Below the application name bar is the main menu. Below the main menu are the following windows: List of trip(s), Overview of trip(s), Details of trip(s), Timescale of trip(s), Shipments, Browse maps.

Windows on the map can be expanded, reduced, as well as select a specific window and transfer it to another monitor.

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When we click on the first vertical slider as in the picture above, hold it and move it to the left, we expand the view of the Shipments window, and reduce the view of the List of trip(s) and View of trip(s) window. When we click on the second vertical slider - hold it and move it to the left, we expand the view of the Map View window, and reduce the view of the Driving Details and Driving Timescale window.

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It is possible to do the opposite and move the sliders to the right and expand the view of the window List of trip(s) and View of the trip, Details of the trip and Time scale of the trip, and reduce the view of the window: Shipments and View of the map.

In addition, when we click on the horizontal slider and move for example up, we can stitch the view of the window Driving details, Driving time scale and Map overview.



We can select the window we want by clicking on that window, holding it and moving it inward.



We get a look like in the picture below. The Map View window can then be switched to another monitor if we wish. If we change our mind, we can return the window to its original position by double-clicking on Map View.

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<u>Content</u>

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Chapter 1 - Main menu

The main menu is located at the top of the application and consists of smaller units such as: File, Dictionaries, Solutions, Cargo, Reports, Options and Help. Through the main menu, we get to various code books and program settings.

🚯 ArtAdmin - SkyTrack 4 Logistics)
File	Dictionaries	Solutions	Cargo	Reports	Options	Help		

1.1 File

The File menu contains options: Load solution, Save solution, Load selection areas, Exit which closes the application.





When we select the Load solution option, a window opens where it is possible to load a saved solution, which is a Sky Track Logistics Solution file type.

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	File name: Files of type:	2021_March_11 SkyTrack Logistics Solution (*.sls)	•	Open Cancel

When we select the file and click Open, a window opens, as in the picture below, where it is possible to load the solution.

Load solution from file	e			
	Statistics Solution date : Creator : Vehicles used :	11/03/2021 ArtAdmin (4.6.8.34) 0 Trips :	0	💭 Load
	Cargo :	0		Close
Ready to load file				
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The solution is saved in a similar way. We select the Save solution option, a window opens in which it is possible to save the solution in the Sky Track Logistics Solution file type.

When we select the option Load selection areas, it is possible to load a saved selection area, which is a Sky Track Logistics Areas file type.

👸 Load selectio	n areas				\times
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	<				>
	File name: Files of type:	15_03 SkyTrack Logistics Areas (*.sla)		•	Open Cancel

When we select a file and click Open, the selection area is loaded as shown in the image below.



When we select the option Save selection areas, in this way we can save previously drawn areas with a rectangle, a circle or a previously drawn zone (blue arrow).



6 Save selection areas

Save in:	Documents	•	+ 🗈 📸 🖬 +		
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	temp		27/08/2024 08:44	File folder	
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The file can be saved in the Sky Track Logistics Areas file type. When we assign a file name, say: zone, select the type of fault and click Save - the file will be saved on the disk.

 \times

1.2 Dictionaries

Via the Dictionaries data menu, you can access the code book in which data about the goods being transported, the vehicles carrying out the transport and the delivery points are entered. These data are crucial for the proper operation of the algorithm that distributes the goods by vehicles and sends them to delivery points.



Vehicle models

Vehicle models is a code book in which data important for loading goods into that vehicle, data on the transit of the vehicle, data on the number of cargo spaces are entered for a certain model of vehicle. Data on the expenses of individual vehicle models are also entered. In addition, it is possible to define and fine-tune vehicle model limitations by maximum delivery facilities, maximum speed in km/h, duration of breaks in minutes, whether they have a ramp or not.

When we select the Vehicle models option, a window opens with the associated models as shown in the image below. Each model, in addition to the model name, contains data on vehicle passableness, vehicle routing category, weight, volume, pallet capacity, number of cargo areas, maximum delivery objects, data on whether they have a ramp or not.

Kehicle models \times . Main 🛅 New (Ins) Vehicle model 🛆 🐷 Vehide r 🐷 Vehide category 🐷 Vehide routing cat 🐷 Max weight 🐷 Max vol. 🐷 Max 🐷 Car 🐷 Max 🐷 Rat 💾 Edit (Ctrl+Enter) *EuroCargo 180 Klimatizovan/Rampa C+ С Dostavno vozilo nosivc 22,000.0 kg 80.0 m3 35 1 40 \checkmark 🐔 Delete (Ctrl+Del) *EuroCargo ML 120E18 - Hladnjaca 38 в С Dostavno vozilo nosivc 4,400.0 kg 20.0 m3 10 1 100 *EuroCargo ML 180E25 - Hladniaca 44 С Dostavno vozilo nosivc 10,000.0 kg 40.0 m3 18 100 1 \sim *EuroCargo MLC 180E28 TAPA С 9,495.0 kg 34.0 m3 17 50 Additional Dostavno vozilo nosivo 1 \sim *Eurocargo 120 Grmeč iznajmljeni Dostavno vozilo nosivc 5,960.0 kg 22.0 m3 50 С 14 1 🖏 Operation consumption *Eurocargo 70 Iznajmljeni KV-UE В С Dostavno vozilo nosivo 3,500.0 kg 12.0 m3 8 1 50 Г *Eurocargo 90 iznajmljeni 1 Osobno vozilo 2,500.0 kg 8.0 m3 в С 8 1 25 *Eurocargo 90 iznajmljeni 2 с 2,250.0 kg 8.0 m3 25 в Osobno vozilo 8 1 в Dostavno vozilo nosivc 2,500.0 kg 25 *Eurocargo 90 iznajmljeni 3 С 8.0 m3 8 1 *Eurocargo 90 iznajmljeni 4 в С Dostavno vozilo nosivc 1,300.0 kg 6.0 m3 6 1 50 *FIAT DUCATO (TAPA) Dostavno vozilo nosivc 935.0 kg 12.1 m3 5 100 в 1 *Fiktivno Dostavno vozilo nosive 1,000,000.0 kg 1,000.0 m3 \checkmark 1000 в 1,000 1 *Fiktivno 1,000,000.0 kg 10,000.0 m3 1,000 1000 \checkmark в Osobno vozilo 1 *Furgon 1,2t 4pal Dostavno vozilo nosivc 1,200.0 kg 8.0 m3 50 в 4 1 *Furgon 1,2t 5pal в Dostavno vozilo nosivc 1,200.0 kg 10.0 m3 5 50 1 *Furgon 1,3t 5pal Dostavno vozilo nosivo 1,300.0 kg 10.0 m3 50 в 5 1 *Furgon 1,4t 8.0 m3 50 Dostavno vozilo nosivc 1,400.0 kg в 4 1 *Furgon 1,5t Dostavno vozilo nosivo 1,500.0 kg 8.0 m3 50 в 4 1 *Furgon 1,6t в Dostavno vozilo nosivc 1,600.0 kg 10.0 m3 5 50 1 *Furgon 1,8t 4pal Dostavno vozilo nosivo 50 1,800.0 kg 8.0 m3 в 4 1 *Furgon 1.8t 4pal Dostavno vozilo nosivc 1,800.0 kg 50 в 8.0 m3 4 1 *Furgon 2,2t 4pal Dostavno vozilo nosivo 2,200.0 kg 8.0 m3 50 в 4 1 *Furgon 2,2t 7pal 50 С Dostavno vozilo nosivc 2,200.0 kg 14.0 m3 7 1 *Furgon 2,8t C Dostavno vozilo nosivc 2,800.0 kg 10.0 m3 50 Г 4 1 *Furgon 2t 5pa Dostavno vozilo nosivc 2,000.0 kg 10.0 m3 50 С 5 1 Dostavno vozilo nosivo *Furgon 3,5t 3,500.0 kg 20.0 m3 50 С 10 1 Dostavno vozilo nosivc 3,000.0 kg 12.0 m3 50 *Furgon 3t С 6 1 *Furgon 4t 5pa с Dostavno vozilo nosivo 4,000.0 kg 12.0 m3 50 5 1 *Furgon 4t 6pal Dostavno vozilo nosivc 4,000.0 kg 12.0 m3 50 с 6 1 446 Close

When we click on New in the upper left corner of the screen, we can add a new vehicle model, if we click on Edit, we can change one of the existing vehicle models.

🚯 Vehicle models														<
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2	Area 2	2,000.0 kg	14,000.0 m3		14									
		4,000 kg	24,000.000 m3		24									
<													>	
												Ok	Cancel	

Vehicle model - field in which the name of the model is entered.

General data

Vehicles passableness – a drop-down list where, by selection, information is entered on the group to which the vehicle model belongs in terms of passability.

The button with three dots opens the codebook Vehicles passableness.

Vehicle category - a drop-down list where information about the vehicle category can be entered by selecting. The button with three dots opens a window where it is possible to add the vehicle category and the category code.

Vehicle road tool category - a drop-down list where it is possible to choose which group related to toll collection the vehicle belongs to

Vehicle routing category – a drop-down list where it is possible to choose which routing category the vehicle belongs to

Vehicle has termo chamber - an option that provides information on whether the specified vehicle has a Thermo King or not

Vehicle capacity

Vehicle cargo areas - gives information about how many cargo spaces the vehicle has, whether one or more like tow trucks.

Max Weight - the number specified by the manufacturer for that vehicle model in kg.

Max Volume - a number specified by the manufacturer for that model as volume in m3.

Max Capacity - a figure specified by the manufacturer for that model as a quantity in pallets.

Expenses

Expenses are entered in some agreed currency, ie. the figures are only generic values and the user chooses which currency it is.

Vehicle expenses (per km) – depreciation expenses per kilometer Vehicle expenses (per day) – vehicle depreciation expenses in a certain period Driver expenses (per day) - driver expenses Helper expanses (per day) - the daily wage of an auxiliary worker per day Consumption (liters per 100km) - model consumption in litres/100km Consumption (liters per hour) - model consumption in litres/hour

Vehicle model limits

Max. delivery objects - with this option it is possible to limit the max. delivery objects by vehicle model

Min. total trip complexity – select a certain integer that represents the min.complexity of driving Max. total trip complexity – select a certain integer that represents the max.complexity of driving Maximal speed - enter the maximum speed limit according to the vehicle model Pause duration - enter how long the recommended break is per vehicle model Vehicle has ramp - this option turns on or off the fact that the vehicle has a built-in loading ramp.

Cargo areas parameters

Area name - Area 1 appears if the number of cargo spaces is one. If there are two cargo areas, Area 1 and Area 2 appear. Area 1 and Area 2 can be renamed to desired names.

Max weight - in this field it is possible to enter the Payload in kilograms, which automatically changes the Weight field in the Vehicle Capacity section.

Max Volume - in this field it is possible to enter the Volume in m3, which automatically changes the Volume field in the Vehicle Capacity section.

Max Capacity - in this field it is possible to enter the capacity in pallets, which automatically changes the Quantity field in the Vehicle Capacity section.

Types of goods

Types of goods - which are created and which can be included or excluded.

Types of capacity units - the types of pallets used and which can be selected or excluded.

At the bottom we have a display of the weight of the goods and the occupancy in the cargo area.

4,800 kg 24,000.000 m3	24	
<		

Vehicle passableness

Vehicle passableness is a code that defines classes of vehicle passability. The definition is arbitrary, so it depends on local regulations or the logistician's assessment and needs to be defined internally.

Adding a new pass can be done by clicking New in the upper left corner of the window. If we want to change the existing passes, it is done by clicking on Change, or by double-clicking on the selected pass. By clicking on delete, it is possible to delete some of the existing vehicle accesses, only logisticians in the company should have that right.



When we click on New, we get a window where we enter the name of the passage, the description of the passage and the color for the class of passage of the vehicle, as well as the loading time in minutes.

👩 Vehicle passableness			\times
Main (S) Provinsional Sector (Christian Sector	Passableness D+ Passableness description Šleper sa prikolicom Loading time 00:15 🗭 Passableness color T T T T T T T T T T T T T T T T T T T		
	Ok	:	Cancel

Vehicle permissions

By selecting the Vehicle permissions option, it is possible to allow certain vehicles to enter only a certain zone or zones, previously defined.

When we click on New in the upper left corner of the window, it is possible to enter the permission title, select a zone or several zones and click on Ok. This adds a new vehicle license.

Vehicle permissions				×
Main 🛞	Permission name			
1 New (Inc)	6. ČUKARICA			
Ti Edit (Ori-Enter)	Permission active			
<u> </u>	Zones			△ ^
Vehicles 🛞	ADMINISTRATIVNE ZONE			
A				
Carlot and a second	BARAJEVO			- 1
Permissions 🔕				- 1
				- 1
Activate selected				- 1
Deactivate selected				_
				- 1
				- 1
				- 11
				- 1
				- 1
				~
	2044			
	2 L 9 9	Ok	Ca	ncel

After that it is possible to include which vehicles can enter that zone or zones. This is done by clicking on the Included vehicles option, which is on the left.

Main 🛞	Drag a column header here to group by that c	olumn		
🔁 New (Ins)	Permission	Permission active	Zones 🗸	Vehides 🔍
P Edit (Ctrl+Enter)	+ M41 BOC MEDICAL DC 700-000		3	IN COMMENT
*1 Delete (Dti+Del)	a weat they are reacted which an		5	NU LANG AL
	A 1918 KINE NO-DISCHER ARTS-NO		3	86-0875-86
Vehicles 🔗	4 M H H H H H H H H H H H H H H H H H H		5	10,100,000
	IN THE REAL PROPERTY AND A REAL PROPERTY.		3	N HHH
Assigned vehicles	6. ČUKARICA		1	
	(here at		1	AND TRACKSON
Permissions 🛞	Solution Report		1	ALL MARKED AND A MARK AND
Activate selected	Derivatives presentes take Additional		1	IN CONTRACTOR AND INCOME.
Description and acted	Denvelopmentary as pred \$100,000		0	
Deactivate selected	Server been		2	an and again the start of
	INCOME ADDRESS		1	IC LABOR DURING THE ALL
	anna Maar		1	IN REPORT OF STREET, SHOWING STREET,
	INCOME CONTRACT LIGHTIGHT		0	10.1019/00/00/00/01/01/01/01
	acres on the		1	NO WELL-YOURS MINE-PAULOS COM-
	MARKET MERCENSING		1	NORTHER MILES
	NOTE TO AD AN		1	the second second second
	INCOME RECEIPTION		1	In the second second second second
	works to reclaration.		1	IN ANY RANGE SHE WARRANT
	859			
				Close

After that, the vehicles that we want to give permission to enter our zone are selected.

🚰 Vehicle permissions					\times
Main 🛞		Vahidaa	A Mandal	0.000	
the second second		Venices	A Model	Pass	· ^
			-IVECO DAILY 70	(TAPA) B - Vozio 7 - 8	pale
Edit (Ctrl+Enter)			-IVECO DAILY SO	2.2t (TAPA B - Vozio 7 - 8	pale
Telete (Ctrl+Del)	BG Dostav				
			*IVECO EUROCA	RGO 180 8. C - Vozilo 11 -	18 p
Vehicles 🛞			"EuroCargo ML 1	20E18 - Hlar B - Vozilo 7 - 8	pale
A			"EuroCargo ML 1	20E18 - Hlai <mark>B - Vozilo 7 - 8</mark>	pale
Assigned vehicles			"EuroCargo MLC	180E28 TAF C - Vozilo 11 -	18 p
	- <u>v</u>		*EuroCargo MLC	180E28 TAF C - Vozilo 11 -	18 p
Permissions	🗹		*IVECO EUROCA	RGO 140 15 <mark>C - Vozilo 11 - :</mark>	18 p
Activate selected			*IVECO EUROCA	RGO 180 8. C - Vozilo 11 - 3	18 p
			*EuroCargo 120	B - Vozilo 7 - 8	pale
Creating resource			*IVECO EUROCA	RGO 180 9. C+ - Vozilo pre	ko 1
			"IVECO EUROCA	RGO 180 9. C+ - Vozilo pre	ko 1
			*IVECO EUROCA	RGO 180 9. C+ - Vozilo pre	ko 1
			*EuroCargo MLC	180E28 TAF C - Vozio 11 -	18 p
			"EuroCargo MLC	180E28 TAF C - Vozio 11 -	18 p
			"EuroCargo MLC	180E28 TAF C - Vozilo 11 -	18 p
			"EuroCargo MLC	180E28 TAF C - Vozio 11 -	18 p
	BG Dostav				
			"Sladoledara	A - Vozilo 1 - S	pale
			*IVECO EUROCA	RGO 90 4.1 B - Vozio 7 - 8	pale
			*TVECO DATLY SC	2 21 (TAPA B - Vorilo 7 - 8	nale ~
	X 🗖 🕫 😓			Ok	Cancel

When we click on Ok, we get a window like the picture below. It shows that 7 vehicles have a permit for the Čukarica zone.

🚱 Vehicle permissions				- 🗆 ×	
Main 🛞	Drag a column header here to group by that co			^	•]
🛅 New (Ins)	Permission 🛆 👽	Permission active	Zones 🗸	Vehides 🗸	
P Edit (Ctrl+Enter)	A DECEMPTOR OF A DECEMPTOR		3	No. TABLES	
T Delete (Ctrl+Del)	KENELADIC 40 (383) 00 (346) 43		5	No. Called No.	
8	10 POINT ADD, NO. 353 (00.347) (00)		3	85 5475.58	
Vehicles (3)	NUMBER OF STREET, SOLD FOR		5	80 1403 FB	
	NUMBER OF STREET, DOILD IN		3	PD 04077C	
Assigned vehicles	6. ČUKARICA		1	NO LONGING COLORING CO.	
	Recepted		1	WHEN I DOWNERS BE STOLD	
Permissions (8)	Kuluka Kone		1	INCOME SHARES WERE AND A DESCRIPTION	
Activate selected	Encodering president states (Addational)		1	NUMBER OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION	
	Encounter an elements or grant terroritorial		0		
Deactivate selected	Kinaga danana		2	NO CONTRACTOR DESCRIPTION OF \$2	
	NUMBER OF BRIDE		1	NO 1448 MALERIAN DEPARTMENT	
	NEW BASA		1	\$5-100-00,000 LANS-50,000 LANS-	
	NUMBER OF THE ADDRESS		0	80 (304-40,80 \$600-00,80 768-	
	NAME AND ADDRESS OF AD		1	NUMBER OF STREET, NO. 100 (100 (100 (100 (100 (100 (100 (100	
	INCOME AND INCOMES A		1	N3.247-95281-952-52	1
	MONO FRADE AN		1	NO PROPERTY AND ADDRESS OF	
	MONO-MURIA		1	THE REPORTS AND ADDRESS OF	
	NOVO 10 POCIMICAN		1	the same region should be and the	
	859				,
				Close	í

If we want, we can deactivate the specified permission. We select the specified permission, click in the upper left corner of the Change window. A window like the one below appears.

6. LUKARILA	

When we uncheck the Permission active option and click OK, the specified permission will not be used.

Vehicle categories

By selecting the Vehicle categories option, it is possible to assign certain vehicle categories with the corresponding category codes.

In our example, these are the categories as in the picture below:

Kehicle categories			×	
Main	\odot	Category code	Category description]
🔁 New (Ins)		С		
Edit (Ctrl+Enter)		D		
Telete (Ctrl+Del)				
			Close	Í

By clicking on New it is possible to add a vehicle category, by clicking on Change it is possible to change one of the existing categories B, C, or D. Category B is for vehicles that require a category B driver's license. Category C is for vehicles that require a category C driver's license. Category D is for vehicles that have more than 8 seats in addition to the driver's seat. By clicking on Delete, it is possible to delete one of the listed categories, it would be best if the logisticians in the company have the rights for something like this.

Driver categories

By selecting the **Driver Categories option**, it is possible to assign certain categories of drivers with the corresponding category codes.

Driver categories		×
Main 🛞	Category code	Category description
 New (Ins) Edit (Ctrl+Enter) Melete (Ctrl+Del) 	C	
		Close

In our example, driver categories B and C were created, because they are used.

By clicking on New it is possible to add a new driver category, by clicking on Change to change one of the existing categories, by clicking on Delete it is possible to delete one of the categories - these rights are best reserved for logisticians.

Compatibility of vehicle and driver categories



By selecting the Vehicle Compatibility and driver categories option, we see a clear correlation between driver categories and vehicle categories. Thus, a category B driver can only drive a vehicle that requires a category B driver's license, while a category C driver can drive all vehicle categories.

Ferry lines

By selecting the option Ferry Lines, it is possible to add a Ferry Line for transporting vehicles by clicking on New in the upper left corner of the screen.



After that, the name of the ferry line is entered, the ferry line is selected according to the previously defined zone. Then enter the duration of the voyage in minutes. After that, the order of departure and return under the anima is defined.

Then enter the carrying capacity of vehicles that can be transported on the ferry line in the fields vehicle carrying capacity from and vehicle carrying capacity to. After that, the transportation price per vehicle and price + per each ton is defined.

Ferry line to Ungroupped : upzon	e		Duration of trip
Ferry line timetable	~		Copy to all days
#	Departure time to		Departure time back
I	05:00		07:00
II	09:00		11:00
III	13:00		15:00
IV	17:00		19:00
•	21:00		23:00
Ferry line prices			
Vehicle load from	Vehicle load till	Ferry line price	Price + for each ton
			0.00

When we click OK after that, we get the ferry line as in the window below.

😝 Ferry lines				\times
Main	8	Ferry line name	 Ferry line to zone	
New ((ns) P Ed. (Chr-E ★ Delete (Ctr)	nter) +Del)	Test	upzone	
				Close
				Close

Fuel price

When we select the **Fuel price option**, we get the option of entering the fuel price, the change of which has occurred since a certain date.

👩 Fuel price		\times
Main	Fuel price from date \bigtriangledown	Fuel price
	20/10/2021	10.45
New (Ins)	20/07/2016	10.00
Edit (Ctrl+Enter)	01/01/2001	9.00
Telete (Ctrl+Del)		
		Class
		Close

When we click on New in the lower left corner, the window below appears where it is possible to select the date from which the fuel price change occurred and enter the fuel price in any currency.

🚱 Fuel price	\times
Main C Navy (Inc) C decree (Cristopa) Fuel price from date 23/03/2021 Fuel price 156 Ok Cancel	

By clicking on Ok, the specified price is added.

Zones

By selecting the **Zone option**, it is possible to review previously created zones, change zone properties and groups to which the zones belong.

When we select the Zones option, then double-click on a specific zone - it appears in the Map View window.

🚯 Zones	\times
	Δ 🔺
🖂 🖄 Osnovna škola Voltino	
🗹 🖉 Park 101. brigade	
🗹 🛞 Park 149. brigade	
🗹 🖄 Park Franje Tuđmana	
🗌 🛞 Park Hrvatskog proljeća	
🗹 🛞 Park Lujze Janović Wagner	
🗹 🛞 Park Pravednika Među Narodima	
🗹 🛞 Park prirode Medvednica	
🗌 🛞 Park prirode Žumberak - Samoborsko gorje	
🗌 🛞 Park Prve hrvatske štedionice	
🗌 🛞 Poljana J Braunsmida	
🗌 🛞 Poljana Y. Orasica	
🗌 🛞 Psihijatrijska bolnica Sveti Ivan	
🗌 🛞 Robni terminali Zagreb Jankomir	
🗌 🛞 Stara Trešnjevka	
🖂 🖄 subzone	
🗌 🛞 Tekstilno-Tehnološki Fakultet	
🗌 🛞 Trg Hrvatskih Pavlina	
🗹 🖄 upzone	
🖂 🖉 Zagreb	
🗌 🛞 Zagreb Zapadni kolodvor	
	×
	Close



When we right-click on the same zone, then Zone Properties, a window appears as in the image below:

On the Zone Settings tab, it is possible to change the affiliation of the group to which the Zone belongs, by selecting it from the Group drop-down menu.

In addition, by clicking on the Groups option, it is possible to edit the groups to which the zones belong, add a group, delete a group.

👩 Edit z	one		×
	Zone properties		
	Zone name Park Luiz		
	Zone properties Sale channels		
	Group		
	Ungroupped		∽ Groups
	Color		
		✓ Monday ✓ Tuesday	
	Description	Wednesday	
		Thursday	
		Saturday	
		Sunday	
	Link		
		Ok	Cancel

Edit groups			
🍫 zo	ne		
	🐑 Zona Osijek		
	🖤 Zona Rijeka		
	Zona Split		
الر	Zone Zagreb		
Ins	s - Insert new group		
F2	- Edit selected group - Delete selected group	Ok	Cancel

By clicking on Ins on the keyboard, we add a new group, which we click on Ok to add, and which can then be assigned to a specific zone.

By clicking on F2 on the keyboard, it is possible to change the name of a specific group, and then by clicking on Ok, we confirm the change.

By clicking on Del on the keyboard, it is possible to delete a certain group and then by clicking on Ok to confirm the changes. If we change our mind, we can click Cancel.

After that, on the Sales channels tab, it is possible to set which sales channel is used on which day of the week.

👸 Edit z	tone											×
	Zone prop	erties										
	Zone name Park Luiz											7
	Zone properties	Sale channels										
	Sale channel		Δ	Use channel	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	DIRECT											
	HORECA											
									Ok		Cancel	

Object accessibility

Object accessibility is a codebook that defines object availability classes. The definition is arbitrary and depends on the judgment of the driver or logistician, so it is necessary for the logistics service to define it itself.

Object accessibility	/			\times
Main		Accessibility 🛆	Accessibility description	
	~	A	Easy object accessibility	
🛅 New (Ins)		В	Difficult object accessibility	
💾 Edit (Ctrl+Enter)		с	Very difficult object accessibility	
🔊 Delete (Ctrl+Del)		It rides on the hands		
			Cle	ose

It is possible to add new object accessibility by clicking on New in the upper left corner of the window. By clicking on edit, we change the selected object accessibility. By clicking on delete, some accessibility of the object is deleted, only logisticians in the company should have that right.

When we click on New, a window opens in which it is possible to enter the name of the object's new availability, description and color of the accessibility. By clicking on OK, we add new object accessibility.

👸 Object accessibility		\times
Main 📀	Accessibility D Accessibility description Very difficult facility availability-higher retention for PM Accessibility color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color Image: Color I	
	Ok	Cancel

Changing the existing object availability is done by clicking on Edit in the upper left corner of the window.

The right to delete the availability of the object would be best if only the logisticians in the company have it, and it is done by clicking on Delete in the upper left corner of the window.

Object delivery time

Object access times is a codebook in which data is entered about the time when a particular object or a group of facilities receives goods for each day of the week.

By selecting the option **Object delivery time**, it is possible to add a new time of receipt of the object's goods, modify the existing ones, and delete some time of the object's goods receipt.

When we click on New in the upper left corner of the window, a window opens as in the picture below.

The time of receipt of goods is entered for each day separately by clicking with the right mouse button on the graph in the plane of the day for which we want to enter the time of receipt of goods. By clicking on Ok, we confirm the addition of the object's goods receipt time. After that, in a later phase, it is possible to choose the time of receipt of goods by name for an individual object.



After that, if we want to change some of the object's goods receipt time, we select the specified goods receipt time, click on Edit in the upper left corner of the window, and a window opens as shown in the picture below.



If we want to change the working hours of the object for a specific day, we click with the right mouse button on the day for which we want to change, after that we click on Delete goods receipt time and the working hours for that day will be deleted. After that, we click on Add goods receipt time for that day and the window below opens where we can enter a new goods receipt time.

6	Delivery time			\times
		Mon	day	
	Start time		End time	
	06:00	▲ ▼	19:0	0
			Ok	Cancel

When we click on OK, we confirm the addition of the new goods receipt term, which can be seen in the image below.



In the picture you can see that the time for receiving goods for Monday is now from 06:00 to 19:00. If we click on Ok again, the change will be prevented for the specified name of the time of receiving the goods.

LDC work shifts

In this section, we can add and change the parameters of the Distribution Centers.

👩 LDC work shifts							×
Main 🛞	Drag a column header here to	group by that	t column				
Man ♥ New (Ins) ■ Edit (Ctrl+Enter) ► Delete (Ctrl+Del)	Drag a column header here to LDC DC Jastrebarsko DC Zagreb DC Zagreb	group by tha	t column Work shift 1 1 2	Work shift begin 06:00 06:00 15:00	Vork shift end 20:00 16:00 20:00	Work	k shift max du 10:00 12:00 12:00
							Close

If we click on New, it is possible to add a new shift for the selected DC, add a work shift in this case 2 shifts, change the start and end of the DC shift, the maximum duration of the shift, the maximum number of delivery objects per drive, the maximum distance traveled per drive, as well as maximum distance between objects, loading time and other parameters.

😭 LDC work shifts	×
Main 📀	Work shifts for Logistics Distribution Center (LDC): Work shift DC Jastrebarsko 2 Work shift begin Work shift end Work shift max duration 16:00 08:00 12:00 0.0 %
	Max. number of deliveries per trip 50 Max. distance per trip (km) 400 Max. distance between objects (km) 40 All objects should belong to same zone or do not belong to any Max. distance between objects in same zone (km) 50 Helper increase deliveries (%) 20 Use shift color:
	Loading time 00:15 ÷ Use loading time From the LDC work shift settings Make next trip for vehicle if returns before 12:00 ÷ Make pause after hours of working 04:30 ÷
	Ok Cancel

From the drop-down list, select the DC for which we want to add a new shift. If there was only 1 shift for a certain DC, the program automatically adds a 2nd shift. After that, the start of the work shift and the end of the work shift, the maximum duration of the shift, are set.

In the fuzzy parameter field, the permitted deviation of the duration of the work shift, which is taken into account during routing, is entered.

Maximum number of delivery facilities per drive - in the specified field, enter how many delivery facilities the vehicle can drive around.

The maximum distance traveled per drive - in the given field, enter the maximum number of kilometers per drive the vehicle can travel. The fuzzy parameter determines how much deviation is allowed in percentages from the maximum distance traveled per drive.

Maximum distance between objects - in the specified field, information about how many kilometers can be the distance between two objects can be entered, and this information can be used during routing. The Fuzzy parameter determines how much is allowed to deviate in percentage from the maximum.

All objects must belong to the same zone or not belong to any - zone grouping for a specific DC is enabled. Checking this option brings up the option below about the maximum distance between objects in the same zone. Maximum distance between objects in the same zone - in this field it is possible to determine the maximum distance between two objects in the same zone.

Auxiliary worker increases (%) - in this field, enter the percentage by which the auxiliary worker increases the realization.

Loading time - this field defines how many minutes are needed for loading in a certain DC. Use loading time - in this field it is possible to choose whether the time is used according to the LDC work shift settings or according to the vehicle transit settings.

Creates the following trips for vehicles that return before: 12:00 - by checking this option, a new trip is created for vehicles that return before 12:00 from delivery.

Take a break after working more than (hours) - by checking this option, taking a break after working more than the entered number of hours is enabled.

By clicking on Ok, the specified parameters are added.

👩 LDC work shifts		1			\times
Main 🛞	Drag a column header here to group by that	t column			
Present Image: Constraint of the second	Drag a column header here to group by that LDC \land \checkmark DC Jastrebarsko DC Jastrebarsko DC Zagreb DC Zagreb	t column Work shift 1 2 1 2	Work shift begin void (16:00) v	Work shift end 20:00 08:00 16:00 20:00	Work shift max du 10:00 12:00 12:00 12:00
					Close

If we want to change the parameters for the second shift DC Jastrebarsko, click on Edit in the upper left corner.

A window opens as in the picture below where we can change the parameters for this shift.

🚯 LDC work shifts	×
Main 📀	Work shifts for Logistics Distribution Center (LDC): Work shift DC Jastrebarsko 2 Work shift begin Work shift end Work shift max duration Fuzzy parameter 0.0 %
	Max. number of deliveries per trip 50 Max. distance per trip (km) 400 Max. distance between objects (km) 40 All objects should belong to same zone or do not belong to any Max. distance between objects in same zone (km) 50 Helper increase deliveries (%) 20 Use shift color:
	Loading time Use loading time Make next trip for vehicle if returns before Make pause after hours of working 01:15 02:00 04:30 04:30
	Ok Cancel

When we click OK after that, the changes will be saved.

👩 LDC work shifts					\times
Main 🛞	Drag a column header here to group by tha	t column			
🎦 New (Ins)	LDC 🛆 🗸	Work shift 🗸	Work shift begin 🔍	Work shift end 🔍	Work shift max du 🗸
💾 Edit (Ctrl+Enter)	DC Jastrebarsko	1	06:00	20:00	10:00
🎢 Delete (Ctrl+Del)	DC Jastrebarsko	2	16:00	08:00	12:00
	DC Zagreb	1	06:00	16:00	12:00
	DC Zagreb	2	15:00	20:00	12:00
					Close

If we want to delete the specified shift after that, click on Delete in the lower left corner. It would be best if only logisticians had this right.

LDC docks

By selecting the **LDC docks** option, it is possible to add new dock names for existing departure warehouses, change dock names for existing departure warehouses, or possibly delete a dock name for an existing departure warehouse.

👩 LDC docks			\times
Main	LDC	Dock name	
	DC Jastrebarsko	Dok 1	
📋 New (Ins)	DC Jastrebarsko	Dok 2	
Edit (Ctrl+Enter)			
1 Delete (Ctrl+Del)			
		2	
			Close

If we want to add a new dock name, click on New, in the upper left corner of the window. A window opens as shown in the picture below.

👩 LDC docks		\times
EDC docks Main Image: Compare the second	Dok name Dok 3 LDC DC Jastrebarsko ~	
	Ok Cancel	

After creating a new dock name, we select the Source storage, by clicking OK we add a new dock name.

LDC time slots

By selecting this option, it is possible to add a new time slot for a specific source storage, modify existing time slots, as well as delete a specific time slot.

When we click on new in the upper left corner of the window, a window appears as in the picture below.

🚱 LDC time slots	×
LDC time slots Main	LDC DC Jastrebarsko ~ Time slot name III Time slot start Time slot end 22:00 06:00 1
	Ok Cancel

When we enter the time slot, select the starting warehouse, enter the beginning and end of the slot, click OK to add a new time slot for a specific crossdock.

Cargo types

Cargo types is a code book in which all relevant data for a certain type of goods are entered. It is possible to add a type of goods, change an existing one and delete cargo types.

🚰 Cargo types		\times
Main 🛞	Drag a column header here to group by that column	
 New (Ins) Edit (Ctrl+Enter) Delete (Ctrl+Del) Additional Cargo subtypes 	Active Man. Cargo type name Cargo type description Image: DIS Distribucija Image: Distribucija Dodatno Image: Distribucija Image: Distribucija Image: Distribucija Image: Di	Cargo type delivery time 00:00:00 00:00:00 00:00:00
		Close

If we want to change the parameters for a certain type of goods, click on that type of goods, then on Change in the upper left corner of the window. A window like the one below appears.

Main 🛞				
] New (Ins)	Cargo type name DIS			
] Edit (Ctrl+Enter)	Cargo type description			
	Distribucija			
Additional 🛞	Cargo type delivery duration	Cargo type delivery waiting duration	1	
Carros autobases	00:00:00	Customer type	Delivery waiting duration	
	Total delivery duration	KAM		×
		DSD		×
	Max. delivery objects	Cargo type active	reation of cargo	
	Max. delivery objects 150 Enabled small package	Cargo type active	reation of cargo	ange
	Max. delivery objects 150 Enabled small package Small package weight less then	Cargo type active	Temperature ra while delivering	ange J (C°) :
	Max. delivery objects 150 Enabled small package Small package weight less then Small package volume less then	Cargo type active Cargo type allowed for manual c 0.000 kg 0.000 m3	Temperature ra while delivering Min. 1	ange g (C°) :
	Max. delivery objects 150 Enabled small package Small package weight less then Small package amount less then	Cargo type active Cargo type allowed for manual c 0.000 kg 0.000 m3 0.000	Temperature ra while delivering Min. 1 Max. 8	ange g (C°) : •
	Max. delivery objects 150 Enabled small package Small package weight less then Small package volume less then Small package amount less then	Cargo type active Cargo type allowed for manual c 0.000 kg 0.000 m3 0.000	Temperature ra while delivering Min. 1 Max. 8	ange (C°) : •

It is possible to change the name of the cargo type, Cargo type description.

Cargo type delivery duration - depending on the type of cargo, it is possible to change and set another value.

In addition, it is possible to change the value of **max. delivery points** by type of goods.

Cargo type active - by checking this option, we mark the selected type of goods as active or inactive.

Cargo type allowed for manual creation of cargo - by checking this option, we mark this type as active or inactive for manual entry of delivery orders.

Enabled small package - with this option, we enable small packages, according to the criteria that a package is small if the weight is less than the entered number of kilograms, the volume is less than the entered number in m3, as well as the capacity is less than the entered number of pallets.

Temperature range while delivering - enter the minimum and maximum in degrees C during delivery.

When we click on Ok, the changes for the specified type of goods will be saved.

Cargo area units

By selecting the option Types of capacity units, it is possible to add a type of capacity, change a type of capacity, and logisticians in the company should only have the option of deleting types of capacity.

6	Cargo area units					\times
	Main	Cargo area unit	\land \checkmark	Cargo area unit coef. 🛆 🗸	Allowed to charge	\sim
		EUR - Euro-pallet 80 cm × 120 cm		1.00000		
٢) New (Ins)	EUR 2 - Euro-pallet 100 cm × 120 cm		1.25000	\checkmark	
P	Edit (Ctrl+Enter)	Roll - Roll container		0.67000	\checkmark	
r	Delete (Ctrl+Del)					
					C	ose

If we select the type of capacity, then click on Edit in the upper left corner of the window, a window opens as in the picture below.

🚯 Cargo area units	×
Main (ne) Catgo area units Main (New (ne) Catgo area units Catgo area units Delete (Ctrl+Del)	Cargo area unit name EUR 2 Cargo area unit description Euro-pallet 100 cm × 120 cm Cargo area unit coefficient Cargo area unit AUX code 1.20 ✓ Allowed to charge on trips
	Ok Cancel

It is possible to change the name of all capacity units, the description of the type of capacity unit, as well as the coefficient. It is possible to save the changes by clicking on Ok, or cancel the changes by clicking on Cancel.

Cargo compatibility

Compatibility needs to be precisely defined for each type of goods. Some types of goods are incompatible and must not be together in the cargo area. The image below shows an example of goods that are incompatible with another type of goods, it is marked in red and that field is not checked.

👩 Cargo compatibility	,		- 🗆 X
Cargo type 1	LOG Logistics	Cargo type 2 EXT Dodatno	DIS Distribucija
LOG Logistics			•
EXT Dodatno			•
DIS Distribucija			

	Ok	Cancel	l
--	----	--------	---

Cargo sales channels

By selecting the **Cargo sales channels** option, it is possible to add a new sales channel, change the existing one, or delete it if the user has the right to do so.

🚱 Cargo sales channels			\times
Main 🛞	Cargo sales channel name	🛆 🔍 Cargo sales channel code	\sim
10	CENTRALNO	003	
🗂 New (Ins)	DIRECT	001	
💾 Edit (Ctrl+Enter)	HORECA	002	
🎦 Delete (Ctrl+Del)			
		Clo	se

By clicking on Edit in the upper left corner of the window, the window below opens where it is possible to make changes for the selected channel. When you click OK, the changes will be saved.

🚯 Cargo sales channels	×
Main 📀	Cargo sales channel name CENTRALNO Cargo sales channel code 003 Cargo sales channel description
	Cargo sales channel address Cargo sales channel email
	☐ Required signature at delivery ✓ Use cargo sales channel color
	Ok Poništi

Object accessibility-Vehicle passableness

The relationship between object accessibility and vehicle throughput is key to scheduling deliveries by vehicle, and the table depends on the data in the **object availability and vehicle throughput data**. It is crucial to precisely define these relationships.

👩 Object accessibility -	Vehicle passablene	SS				×
	Vehicle passableness					
Object accessibility	[24 pal vehicle]	[A] without passableness	[B] Medium vehicle, limited	[C] Large vehicle, very	[Caddy vehicle + cart]	[Very tall vehicle]
[A] Easy object accessibility		⊻		×	×	
[B] Difficult object accessibility		⊻	⊻			
[C] Very difficult object accessibility		⊻			×	
[It rides on the hands]						
					Ok	Cancel

If an object is not available for a certain vehicle passableness, that field will be marked in red and will not be checked.
1.3. Solutions

The Solutions menu contains a menu with: Show solution statistics, Loading lists for trips, Add vehicles to solution, Finalize trips, Show solution vehicle information, Show solution usage information, Show solution route information, Show solution expenses, Show solution drivers, Show solution vehicle capacity, Setup trips view columns.

Show solution statistics

In the Solution Statistics, when we click on the General tab, we see data on the total number of vehicles used during routing, the total number of drives-trips, the total number of auxiliary workers-helpers, the total number of kilometers, the average kilometers per vehicle, the average kilometers per trip. In addition, there are data on the total duration of the trip, the duration of the shortest trip, the duration of the longest trip, as well as the average duration of the trip.

We also see data on the maximum number of simultaneously used docks, the number of deliveries outside working hours.

In addition to this data, you can see data on the total number of distributed shipments for that day, total routed objects, average routed shipments per vehicle, average routed objects per vehicle, average shipments per trip, average objects per trip.

You can see data on waiting time, the shortest shift duration, the longest shift duration, as well as the average shift duration.

In addition to this data, we can see data on the total amount of money for all trip(s), the rating for all trip(s), as well as the rating/total money ratio in percentages.

All this information can also be seen for individual LDCs, when we click on the LDC tab in Solution Statistics. In this case, you should click on the #1 card.

Common #1			
Vehicles used	292	Total cargo	13399
Total trips	371	Total objects	7103
Total helpers	9	Average cargo per vehicle	45.9
Total kilometers	58066.3	Average objects per vehicle	24.3
Average kilometers per vehicle	198.9	Average cargo per trip	36.1
Average kilometers per trip	156.5	Average objects per trip	19.1
Total time	2558 h 38 m	Total waiting time	351 h 50 n
Shortest trip time	0 h 11 m	Shortest shift time	0 h 12 m
Longest trip time	24 h 20 m	Longest shift time	24 h 20 m
Average trip time	6 h 53 m	Average shift time	12 h 16 m
Max. simultaneously used docks	47	Total CO2 emission	29175.4 k
Time windows violation amount	324	Mark	
Total money			
Total mark / total money	0.39 %		_

When we click on the close option or on the icon in the upper left window, we can close the Solution Statistics display.

Loading lists for trips

Loading lists for trips contain data on the vehicle name, vehicle code, maximum vehicle load capacity, maximum vehicle volume, maximum vehicle capacity, driving code, serial number of the document, type of document - whether it is a delivery note or a return note. If it is a shipping slip, the field is marked empty, and if it is a return slip, an icon indicating a return appears. The document is marked in bold, for easy retrieval. The storage location contains information about the storage location for each document, sales channel as well. The name of the object contains the exact name of the object, along with the corresponding code of the object. The original destination generally matches the object name, and the destination code generally matches the object code. The address contains data for the street and object number, the place contains data to which place the object belongs. Customer type contains information about the type of customer of the goods. The type of goods contains information about which goods are transported, the method of delivery - orange cubes indicate that it is regular.

The time window indicates the time of receipt of the object's goods. Weight of goods on individual packing slip, volume of goods in m3, capacity of goods expressed in EUR pallets or others, quantity of items on packing slip, items on packing slip, amount per packing slip, date and time when the packing slip was sent to WMS.

1	🗿 Loading lists for trips																				$\Box \rightarrow$	<
ł	🕞 Print		K Exce	I			Loa	ading lis	ts 30/08/	2024												
h																						^
į.	venicle trip 🛆 🔽																					
3	Vehicle 🗸	Vehicle max 🗸	Vehide 🗸	Vehicle r 🗸 1	Trip 🗸 🛆 🗸	\sim	Document 🗸	Wa 🗸	Objec 🗸	Obj 🗸	Object a 🗸	Obje 🗸	Car 🗸	\sim	Tim 🗸	Car 🗸	Cari 🗸	Cai 🗸	Corr 🗸	WM 🗸	WMS ser 🗸	
	Vehicle trip: 001. AP	JOVANOVIĆ 1	IZNAJMLJ	ENI BG 2093	-PT(#1)0	6:3	0							~								
1_	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 1		9928135415	JDE,ME	AMAN 75	11014	PASTEROVA	BEOGRA	GML	U	08:00-	17 kg	0.067 m	0.08	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 2		2005596949	3PL BA	INTERME:	111109	DOKTORA S	BEOGRA	GBA	~	09:00-	8 kg	0.040 m	0.05	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 3		9928136563	Nestle	INTERME:	111109	DOKTORA S	BEOGRA	GHR	U	09:00-	16 kg	0.025 m	0.03	Digital		29/08/2024	•
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 4	_	2005596862	3PL BA	TSV DISK	113763	JUG BOGDA	BEOGRA	GBA	~	06:00-	6 kg	0.030 m	0.03	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 5		9928136137	BFF,NL	QVATTRO	11007	JUG BOGDA	BEOGRA	GFH	U	08:00-	4 kg	0.031 m	0.02	ISTEKA		29/08/2024	•
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 6		2005595937	3PL PO	QVATTRO	11007	JUG BOGDA	BEOGRA	GPD	~	08:00-	8 kg	0.037 m	0.05			29/08/2024	
L	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 7		9928138400	MCH,W	QVATTRO	11007	JUG BOGDA	BEOGRA	GWR	Ŷ	08:00-	2 kg	0.003 n	0.00	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 8		9928138399	MPC	QVATTRO	11007	JUG BOGDA	BEOGRA	GMP	9	-00:80	20 kg	0.074 n	0.04	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 9		9928137109	PG	BB TRADE	11052	LOMINA 4	STARI G	GHB	9	09:00-	14 kg	0.053 m	0.04	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 10		2005588649	3PL BA	INTERME:	111109	SVETOZARA	BEOGRA	GBA		06:00-	4 kg	0.031 m	0.03	POVRA(29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 11		9928136232	BFF	AMAN 84	11014	BRAĆE NEDI	BEOGRA	GFH	9	06:00-	3 kg	0.003 n	0.00	Digital		29/08/2024	•
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 12		9928136230	Chips V	AMAN 84	11014	BRAĆE NEDI	BEOGRA	GCP	9	06:00-	6 kg	0.206 m	0.05	Digital		29/08/2024	•
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 13		2005596619	3PL BA	INTERME:	111109	KIČEVSKA 6	BEOGRA	GBA		06:00-	6 kg	0.089 n	0.04	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 14		2149070363	Chips V	AMAN 166	11014	KOČE KAPE	BEOGRA	GCP	9	07:00-	4 kg	0.134 m	0.04	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 15		2005596824	3PL BA	AMAN 166	11014	KOČE KAPET	BEOGRA	GBA		07:00-	11 kg	0.046 m	0.06			29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 16		2808072236	Polimar	AMAN 166	11014	KOČE KAPET	BEOGRA	GP2	9	07:00-	14 kg	0.017 m	0.02	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 17		9928136525	REK-Ne	AROMA 0	112279	MEKENZIJE\	BEOGRA	GOS	9	06:00-	4 kg	0.048 m	0.01	Digital		29/08/2024	
,	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 18		2012071300	MCH,W	AROMA 0	112279	MEKENZIJE\	BEOGRA	GWR	9	06:00-	4 kg	0.006 m	0.01	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 19		9928135781	Chipita	AROMA 0	112279	MEKENZIJE\	BEOGRA	GBR	9	06:00-	5 kg	0.046 m	0.03	Digital		29/08/2024	
-	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 20		2012071301	Chips V	AROMA 0	112279	MEKENZIJE\	BEOGRA	GCP	9	06:00-	7 kg	0.176 m	0.05	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 21		9928135782	Kras	AROMA 0	112279	MEKENZIJE\	BEOGRA	GHR	9	06:00-	12 kg	0.038 m	0.05	Digital		29/08/2024	
	AP JOVANOVIĆ 1 IZN	1,200 kg	8.000 m3	4.00	1 22		2005596913	3PL BA	AROMA 0	112279	MEKENZIJE\	BEOGRA	GBA		06:00-	12 kg	0.086 m	0.09			29/08/2024	
	• • •				1340				7104							951 kg	302 m3	71.15				v

The loading lists can be printed by clicking on Print in the upper left corner of the window or exported to Excel by clicking on the Excel option.

After that, it is possible to print the loading list by clicking on Print, export to EXCEL table (OLE), CSV file, export to PDF.

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	🔎 🖓 🖉	💫 79% -	🔍 🔲 🔍	4 4 1	►I C	Close										
				1							_			_		_
					Utovarna	lista									1	1
	The Way of L	Distribution	BEOS	TARLINE 1 IZNAJMLJEN	NI BG 1645-NP [#	#1] 02/03/	2021	MULT	'l utovar	ni dok: /	A94			P	očetak utovara - 06:00	2
_	-			Кар	acitet vozila: 1000 k	g / 12.000 m	3/6									
	T Proistor	Determent	Nativ objekta	Adman	Grad	ID statette	Incom	Tue	Telina	Volumen	Kapperitet	Potiljk Keti dina	C Stavba	Novas	Komentar	
Ē	O Avea 1	PG	VLADA STRK	BULEVAR VOJVODE MISICA 33	BEO GRAD	1100-448		GHM	114.54	0.22 m3	0.17 EUR	110	14	28 922 .8 2	Dokument years	-
7	0 Avea 1	SPL BAUR	KANKO DOO	KOST E GLAVINE CA 3A	BEO GRAD	1 10/022 90 0-4	-	GGA	19	0.003 (***	0.09 E UP	90	a			1
Н	0 Ama 1	2001855678 3PL BAMB	3M 7	FRANSA DEPEREA DD	DEO GRAD	1 10/034 10/08	-	GDA	20 4-1	0.058 (***	0.09 E119	140	-		DAMACH OF COTASSO	-
	26.02.21 234746 Area 1	2001856249 MPC	OVAT TRO COMPANY 21	VISEGRADS RA R	REO 6840	1100775012		GMP		0.011 (22)	0.01 61 6			2169.24	BABIDIOI 68145443	
	- 26.02.21 23x7x8	2974048762 3PL DAM D	OVAT TRO COMPANY 14	VISEGRADSKA R	BEO GRAD	1100775012	<u>H</u>	GIBA	- 10	0.017 (***	0.01619		L -			-
	- 26.02.21 2347.18 Avea 1	2001855662 3PL BAHR	COMPANY TRO COMPANY TO		050.0840	1100226212				0.000 (000	0.050100				BABIOLO1 60145104	4
	26.02.21 2347346	2001855661	ADDALL IN COMPARE 24			A second second second	<u> </u>		no bu	a new mol	a main	- 54		0	BABROND1 CO145100	-
_	26.00.01 204746 Area 1	9820209113 JOE MOLZ	ANOMA 18	ALL AND A DECEMBER OF A DECEMBER	aco grad	1 12 279 70 14	-	GVT	36 Kg	0. 127 m3	d ISEUR	239		22240.53		-
	26.00.01 23.47.46	9820209112 PG	AROMA 18	DEPICANINOVA 34-38	BEG GRAD	1122/97014		GML	45 kg	0.12 m3	0.14 EUR	377		40640.65		-
	0 26.02.21 23x7748	9 92 046 39 3 3 30% DAM D	AROMA 18	BENCANINOVA 34-38	BEO GRAD	1122797014		GHM	24 kg	0.051 m3	0.05 EUR	43		8880.06		1
•	O 26.02.21 234736	2001856619	MSM BISTRICA doo	VIŠEGRADSKA 28	BEO GRAD	1139256001	-	GBA	28 kg	0.094 m3	0. 14 E UR	174		0	BABRONDI GETISTOR	•
1	0 26.02.21 23.47.46	2001855663	QVAT TRO COMPANY 8	UST ANICKA 64	BEO GRAD	1 10077 5008	-	GBA	95 No	0.354 m3	0.49 E UR	448	*7	0	BARDIOI CE145150	0
2	0 26.00.01 2047.48	2812037976	QVAT TRO COMPANY 8	UST ANCKA DI	BEO GRAD	1 100775008	-	GINE	10 No	0.031 m3	0.04 E UR			7037.94		1
2	O Area 1 26.02.21 234746	2 99 202 98 2 5	QVAT TRO COMPANY 6	UST ANCKA 64	BEO GRAD	1 100775008	-	GOR	13 kg	0.056 m3	0.05 E UR	176	6	7 130 .8 1		1
4	0 Area 1 26.02.21 23x17x8	2974048754	QVAT TRO COMPANY 6	USTANIČKA 64	BEO GRAD	1 100775008	-	GMP	12 Kg	0.057 m3	0.04 E UR	105	5	6294.19		-
5	0 Avan 1 26.02.21 23x776	2001855699	AMAN D. O.O. 12	UST ANICKA 83	BEO GRAD	1 10 147 90 1 7	-	GBA	21 No	0.08 m3	0.11 EUR	9.1	4	0	BANDIOI CO146130	6
•	0 Avea 1 26.02.21 23.47.46	2137025483	MARKET JELENA MEM	KUM OORA SKA 38	BEO GRAD	1129815	-	GHM	23 No	0.048 m3	0.04 E UR	21	8	0383.28		-
7	0 Avea 1 26.02.21 234746	2137025482	SUMADIJA MARKET 25	TRISE KACLEROVICA 27A	BEO GRAD	1120904023	-	600	2 69	0.016 m3	0.02 E UR	10	з	3112.53		-
	O Area 1 26.02.21 23.47.46	9920463376	OUMPER	LIUTICE BOG DANA 1A	SAV 5KI VE NAC	1134590001	-	GOR	B kg	0.029 m3	0.03 E UR	300	1	11340		7
9	O Area 1 20.02.21 23.47.16	2974048752	AROMA 83	NANKEOVA 18	BEO GRAD	1 12 279 70 7 3	-	GEH	13 kg	0.039 m3	0.04 E UR	72	11	8416.8		7
•	0 Avea 1	2974048753	AROMA 83	RANKEOVA 18	BEO GRAD	1 12 279 70 7 3	-	GMP	9 Kg	0.022 m3	0.02 E UR	78	4	3813.23		-
1	O Avea1	149042480	50 UUF000 18	IVANA DZAJE 11	BEO GRAD	1 108147014	-	GMP	23 kg	0.058 m3	0.04 E UR	10.1		9042.59		1
2	O Area 1	PG 992940392*	DELHAIZE - MAXI 184	KAUMAK CALANSKA 24	BEOG RAD, ZVE ZDARA	1111789764	-	GOS	4 kg	0.032 m3	0.03 E UR			0		1
3	O Area 1	MPC 201304450.3	SUMADUA MARKET 21	VOJI SLAVA ILICA 4	BEO GRAD	1120904019	-	GMP	8 No	0.015 m3	0.01 EUR	72	-	3055.29		1
	0 Avea 1	MPC 201 201 CERT	IN MARKET T.R.	TOOD RA OD STALACA 8	BEO GRAD	1110121003	-	GMP	8 kg	0.014 m3	0.01 EUR	55	4	2944.45		1
J	2040/21 220756	1 1044504		-I	-			· · · · ·						L	1	_

If we do not want any of the above, by clicking on the Close option, we return to the window with the loading list.

Add vehicles to solution

Vehicles can be selected that will drive the goods to the delivery points.

Add vehicles to solution consists of 4 steps: selecting an LDC, selecting a work shift, selecting a vehicle, adding a vehicle for a trip. If we want to add more vehicles, check them and click Add.

🚯 Add vehicles to solution										\times
1 Logistics Distribution Center (LDC):	2 Work shif	t						-		
DC Jastrebarsko	~ 1 (06:00	-20:00] ~								
Pick vehicles to add to solution :							and the set	C	1.: 0.	
:≣ Vehicle △ Vehicle	Vehicle Driver	Start from L	Finish at LDC	Trans	Weight Volu	me Cap	Pass	Categ 「	Start	End
🖻 Sekundarno vozilo										
🖨 PR Zagreb										
PC Zagreb										
Jastrebarsko										
	Artronic d. Bencetić Mij	DC Jastrebi 🧹 🛚	🔿 DC Jastreba 🗸	🗸 8	8,000 kg 8.0	m3 8	A - withou	Without c 2	06:30	20:00
	Jamnica d.(Hajduk Velj	DC Jastrebi 🗸 🏾	🔿 DC Jastreba 🗸	~ 8	8,000 kg 8.0	m3 8	A - withou	Without c 2	06:30	20:00
🗌 🗹 🥔 DA 548-CK* S13-203	Artronic d. Canjuga Go	DC Jastrebi 🗸 🛛	🔿 DC Jastreba 🗸	🗸 8	3,000 kg 8.0	m3 8	A - withou	Without c 2	06:30	20:00
🖻 Sisak										
🗔 🗹 🌮 DA 521-CK 🛛 S13-194	Own compa	DC Jastrebi 🗸 🛛	🔿 DC Jastreba 🗸	~ 8	8,000 kg 8.0	m3 8	A - withou	Without c 2	06:30	20:00
								Ad <mark> 4</mark>	C	Cancel
-Select all vehicles										

-Deselect all vehicles

🔁 - Expand view

Expensive view

After adding vehicles, they appear in Trips window

When we right-click on a vehicle/ trip, a menu with more options opens.



Show trip invoice - opens a window with a list of goods that should be loaded into the truck. From this window it is possible to print the loading and delivery list.

Show trip picking list - opens a window with pallets, products, PHC for the selected vehicle.

Optimize trip(s) - optimizes the selected run.

Invert point order of trip(s) - changes the order of selected trip(s)

Fill up crossdock trip - filling option, if crossdock trip is selected.

Route solution view - routes the driving display on the map, according to aerial distances or according to values from the knowledge base, which are previously set.

Show selected trip(s) on map - centers and displays the selected trip on the map

Create route(s) from trip(s) - creates routes based on selected trip(s).

Select left cargo for selected trip(s)- marks unassigned shipments

Define start time - changes the start of the selected trip

Define limit and time- changes the end of the selected trip

Define description - serves to add a comment for the selected trip(s)

Define trip dock - serves to select a loading dock for driving Changing start/end object of drive- changes the start and end point of the drive Return to the original warehouse - means that the priority is to return to the original warehouse No return to the original warehouse - means that the return to the original warehouse is not a priority Add helper for selected trip(s) - adds helper to the trip Remove support worker for selected trip(s) - removes the support worker from the trip Driver selection for a trip - adds a driver AND co-driver/helper to the trip Lock selected trip(s) - locks the trip and after this it is not possible to do anything on the trip Unlock selected trip(s) - unlocks a trip, only certain users have this privilege Send selected runs to WMS - sends data for selected runs to the warehouse management system and there it generates lists for loading onto the truck Send selected trips to vehicles AND WMS - sends data to vehicles AND to WMS Delete all deliveries for selected runs empty the selected trucks of the cargo intended for them and the destination where the cargo is to be transported

Delete selected trip(s) - deletes selected trip(s) from the list

Finalize trips

By selecting this option, it is possible to redistribute one trip to another with all documents and objects, goods, and at the same time, the second trip will be reassigned to the first trip.

Show solution vehicle information

It provides information about the selected vehicle in the Drive List window, according to the previously defined layout in the Drive List View Column Layout option - which will be explained in a later part of the chapter.

🔶 Trij	ps									J			푸
Date:	05/03/2021		✓ 😂	}	× 6		✓		₽		👌 ঽ		» •
:~		Vehicle	Δ 🗸	:~	Δ 🗸	Er 🗸	Oł 🗸	w 🗸	Va 🗸	Ci 🗸	Km 🗸	Ex 🗸	\mathbf{h}
	 			1	07:00	12:28	44	296 k <u>ç</u>	1.258	1.1	114.0 kn	0.00	
	🖌 🔒 👘			1	07:00	10:18	16	1,071	3.783	4.8	19.9 km	0.00	
	🗸 🔒 👘			1	06:00	12:10	24	822 k <u>ç</u>	3.079	3.2	32.9 km	460.6	
	🖌 🔒 👘			1	06:00	13:00	27	905 k <u>ç</u>	3.613	2.9	103.2 kn	1,444	
				1	00:00	10:1 1	1	9,583	27.19	32.0	51.0 km	2,356	
	🖌 🔒 👘			1	00:15	10:1(2	6,991	76.20	31.2	51.3 km	2,370]
		305			00:00	22:32	6321	85 kg	(7 m3	.33.3	1732 km	i4.51	~

Show solution usage information

It gives information about the occupancy of the trip in the window List of trip(s), in most cases there are parameters of weight, volume and capacity.

😑 Tri	ps									1		푸
Date:	05/03/2021		~ 😂	\$	N 6			□ 🖶	2	🖔 🔁	-	» •
		Vehicle		\sim	E 🛆 🔍	End 🗸	Obji 🗸	Weij 🗸	Volume 🤍	Ca 🗸	Ex 🗸	^
	🖌 🔒 📃			1	07:00	12:28	44	296 kg	1.258 m3	1.1	0.00	
	🖌 🔒			1	07:00	10:18	16	1,071 ki	3.783 m3	4.8	0.00	
				1	06:00	12:10	24	822 kg	3.079 m3	3.2	460.6	
	🖌 🔒			1	06:00	13:00	27	905 kg	3.613 m3	2.9	1,444	
	🖌 🔒			1	00:00	10:11	1	9,583 ki	27, 195 m3	32.0	2,356	
	🖌 🔒			1	00:15	10:10	2	6,991 ki	76.203 m3	31.2	2,370	
		305			00:00	22:32	6321	.185 kg	4.237 m3	133.3	54.51	~

Show route information

Gives information about routes in the window List of trip(s), in most cases there are the parameters starting point, ending point and data about the driving directions.

i) Trij	ps									T			
	Date:	05/03/2021		× [) 🚯 🛤	6	\checkmark			1	🏷 🛃 🖏	뉥 😽		
-	\sim		Vehic 🛆	v :v	Begir 🛆 🗸	End 🗸	Lim 🗸	s 🗸	Start 🗸	\sim	End object 🗸	Direction 🗸	\sim	^
-		🗸 🔒		1	07:00	12:28	16:00	1	CROSSD	⇒	CROSSDOCK	DIVCI,SLOV/	::	-
-		🗸 🔒		1	07:00	10:18	16:00	1	CROSSD(⇒	CROSSDOCK	VALJEVO	;;	-
-		🗸 🔒		1	06:00	12:10	15:00	1	NELT CEN	⇔	NELT CENTRA	SURČIN, BEC	:-	-
-		🗸 🔒		1	06:00	13:00	15:00	1	NELT CEN	⇒	NELT CENTRA	ZEMUN-PLA\	;;	-
		🗸 🔒		1	00:00	10:11	23:59	1	NELT X10	⇒	NELT X 10 10	STARA PAZC	;;	-
4		🗸 🔒		1	00:15	10:10	23:59	2	NELT X10	⇒	NELT X 10 10	STARA PAZC	;;	-
ł		🗸 🔒		1	00:00	16:38	23:59	1	NELT X10	⇒	NELT X1010	KRNJEVO	::	-
			305		00:00	22:32	23:59							~

Show solution expenses

It provides information about the expenses of the trip, the value of the goods on the trip, as well as the share of the expenses in the total value of the goods in the List of trips window.

🗦 Trij	ps								L			푸
Date:	05/03/2021		× 😂	👌 🕏	: 🕞 🛅 🛛	□ 🗣		à 🏠	2 🛃	2		
: 🗸		Vehicle	Δ 🗸	Shit 🗸	Begin 🛛 🗸 🗸	End	\sim	Limit er 🗸	Money 🗸	Expen 🗸	U: 🗸	^
	🗸 🔒			1	07:00	12:28		16:00	2,890,429.	0.00	0.00	
	🗸 🔒			1	07:00	10:18		16:00	161,013.7	0.00	0.00	
	🗸 🔒			1	06:00	12:10		15:00	228,743.30	460.60	0.20	
	🗸 🔒			1	06:00	13:00		15:00	306,566.53	1,444.80	0.47	
	🗸 🔒			1	00:00	10:11		23:59	0.00	2,356.20	0.00	
	🗸 🔒			1	00:15	10:10		23:59	1,588,249.	2,370.06	0.15	
	🗸 🔒			1	00:00	16:38		23:59	1,344,458.	10,297.98	0.77	
		305			00:00	22:32		23:59	56,858.91	9,354.51	.95 %	~

Show solution drivers

Gives information about the driver and assistant of the selected trip in the Trip List window.

🗦 Tri	ps									푸
Date:	05/03/2021	\sim	2	🔒 💐 🕞) 🗎		₽	20 20 24 20 3	2	
:~~		Vehicle 🛆 🗸	5~	Begin 🛆 🗸	End 🗸	Limit eı 🗸	1 4 🗸	Driver 🗸	Helper/Subdri 🗸	^
	🗸 🔒 👘		1	07:00	12:28	16:00	1	Žarko Marković		
	🖌 🔒	_	1	07:00	10:18	16:00	1	Željko Bajić		
			1	06:00	12:10	15:00	1	ARIES TRANSPORT		
	 		1	06:00	13:00	15:00	1	BEOSTARLINE]
	🗸 🔒		1	00:00	10:11	23:59	1	Dragan Vulić]
	< 🔒		1	00:15	10:10	23:59	2	Dragan Vulić		
	🗸 🔒		1	00:00	16:38	23:59	1	Mirko Vujović		
		305		00:00	22:32	23:59				~

Show solution vehicle capacity

Provides information about vehicle capacity in the Trip List window. Mainly there are data on vehicle load capacity, vehicle volume and vehicle capacity.

) Tri	ps										1	포
Date:	05/03	/2021	\sim		3 🚯 😫	: G		1 🗆 🔒	1 👌 👌	💺 🚵 🛬 🛛		
		~	Vehi 🛆 🗸	\sim	Beg 🛆 🗸	End 🗸	Limit 🧹	Vehicle we 🗸	Vehicle vo 🗸	Vehicle an 🗸	Vehicle cor 🗸	\mathbf{A}
				1	07:00	12:28	16:00	0 kg	0.000 m3	0.0		
	 I 			1	07:00	10:18	16:00	0 kg	0.000 m3	0.0		
	 4 			1	06:00	12:10	15:00	1,200 kg	8.000 m3	4.0	111220	
	 4 			1	06:00	13:00	15:00	1,000 kg	12.000 m3	6.0	114786	
	 4 			1	00:00	10:11	23:59	25,000 kg	70.000 m3	33.0	107689	
	 4 			1	00:15	10:10	23:59	25,000 kg	70.000 m3	33.0	107689	
	 4 			1	00:00	16:38	23:59	25,000 kg	70.000 m3	33.0	107688	
			305		00:00	22:32	23:59	l,967,875 kg	,949.4 00 m3	3,566.0		~

Setup trips view column

By selecting this option, it is possible to edit the list of trips, possibly add a column from the available columns on the right to one of the views on the left: View vehicle information, View information about driving occupancy, View route information, View expenses information, View driver's driving, display of vehicle capacity. In addition, if we want, we can remove the specified column from a certain display, by dragging it to the right in the Available columns.

End	~	Available columns	
Objects		Amount	
Weight		Begin	
Volume		Boxes	
Capacity		Capacity	
Expense		Complexity	
Show solution usage information		Description	
Vehicle		Directions	
Shift		Dock	
Begin		Driver	
End		End	
Km		End	
Weight		Errorpeo	
Volume		Croup	
Capacity		Helees	
Money		Helper Cubdriver	
Complexity		Helper/suburiver	
Show solution route information		Km	
venice		Limit end	
Shirt		Loading driver	
End		Model	
Limit and		Money	
Trip		Objects	
Start object		Pass	
Beturn to IDC		Pause from	
End object		Pause till	
Disastisma	~	Return to LDC	

For example, when we want to add a column Km (kilometers) to the show solution usage information, we click on the Km column on the right-hand side and drag it to the place where we want it to be in the display of driving information.

After that, when we click on Apply in the lower part of the window, the Km column will be arranged where we placed it.

When we select the option Display information about driving occupancy, we see the Km column exactly where we put it, behind the End column.

🗦 Tri	ps						1						푸
Date:	05/03/20	21	\sim	2	👌 🕅 🚯	1	2_□ (🗣 🛛 🗎	b 💑 🔌 🗄	1 2	3		
:~		🗸 Vehide	\land	s 🗸	Begin 🛆 🗸	End 🗸	Km 🗸	Weigh 🗸	Volume 🤍	Cap 🗸	Mone' 🗸	(~	^
	🗸 🔒			1	07:00	12:28	114.0 km	296 kg	1.258 m3	1.1	2,890,42	61	
	 A A B A A			1	07:00	10:18	19.9 km	1,071 kg	3.783 m3	4.8	161,013.	25	
				1	06:00	12:10	32.9 km	822 kg	3.079 m3	3.2	228,743.:	51	
	 			1	06:00	13:00	103.2 km	905 kg	3.613 m3	2.9	306,566.	35	
	 	1		1	00:00	10:11	51.0 km	9,583 kg	27.195 m3	32.0	0.00	9	
	🗸 🔒			1	00:15	10:10	51.3 km	6,991 kg	76.203 m3	31.2	1,588,24	10	
	✓ 🔒			1	00:00	16:38	222.9 km	3,642 kg	21.620 m3	19.3	1,344,45	18	
		305			00:00	22:32	4732 km	7, 185 kg	084.237 m3	,133.3	5,858.91	1229	~

In the manner described above, we can add any of the listed available columns to one of the displays: Display vehicle information, Display information about driving occupancy, Display information about the route, Display information about expenses, Display driving drivers, Display vehicle capacity.

By starting the display that we choose - we see the data in the window List of trip(s).

😑 Tri	ips										푸
Date:	05/03/2021	\sim	3	è 🕅 🎼		□ 🖶	1 🔁 者	🛓 🔒 i) 👌		
:~~		Vehicle 🛆 🗸	Shi 🗸	Begin 🛛 🛆 🔍	End 🗸	Limit er 🗸	Objects 🤍	Grou 🗸	Model 🧹	Vehi 🗸	
	🖌 🔒 📃		1	12:36	14:28	15:00	1		*IVECO E	C - Voza	
	🖌 🔒		1	06:00	13:02	15:00	17		*IVECO E	C - Voza	
	🗸 🔒		1	07:00	14:17	16:00	26		*IVECO D	C - Voza	
	< 🔒		1	07:00	14:40	16:00	25		*IVECO D	C - Voza	1
	< 🔒		1	00:00	06:34	23:59	1		*Tegljač	Without	1
	🗸 🔒		1	07:00	11:59	16:00	24		*EuroCar	C - Voza	1
	🗸 🔒		1	06:00	10:57	15:00	10		*EuroCar	C - Voza	
		305		00:00	22:32	23:59	6321				~

1.4 Cargo

This part contains Scheduling, Searching Shipments, Checking Shipments According to Auto Date Rules, Selecting Shipments According to Conditions, Viewing Parameters, Displaying Destinations, Viewing Columns for Unscheduled Shipments.

All solve

By selecting this option, it is possible to automatically distribute shipments to available vehicles.

So	lve deliverie	es																			
	-	👔 📔 Input	param	eters													1	3			
1	Jer-	Amount of	available	e trips for	supplementing		0													Start	
	-	Amount of	cargo to	solve			12(12)														
1	Select ava	ilable vehicles for i	new trips	for each	work shifts:														Cl	ose	
					Vehid	es						#1		#2			#3		#	4	^
3	Group 🗠	Vehicle 🛆	St 🛆	Finish	Trans We Volu	Capacit	Pass	Category													
	Start fr	om LDC : NELT FI	ILIJALA	NIŠ							07:0	0-15:00		14:00-22:0)	15:0	0- 20:0 0)	15:00	-23:00)
►	KG Dost	BG 1610-RM [1]	NE 🗸 🛛		🗸 6,9 38.	17	C - Vozilo 11 - 18	C - Vozačka dozvo	la C kategoriji 子	1	13:03	15:00		14:0 22:00		15:00	20:00		15:	23:	
	KG Dost	BG 2462-JA [1]	NE 🗸 🛛		🗸 3,3 17.	8	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategoriji 子) 1	13:32	15:00		14:0 22:0(15:00	20:00		15:	23:]
	NI Dosta	VOJKAN R. 1 IZNA	NE 🗸 🛛		🗸 1,6 6.0	3	A - Vozilo 1 - 5 p	B - Vozačka dozvo	la B kategorije	1	07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	_
	NI Dosta	VOJKAN R. 8 IZNA	NE 🗸 🛛		🗸 1,6 6.0	3	A - Vozilo 1 - 5 p	B - Vozačka dozvo	la B kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	VOJKAN R. 4 IZNA	NE 🗸 🛛		🗸 7,7 32.1	16	C - Vozilo 11 - 18	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	VOJKAN R. 5 IZNA	NE 🗸 🛛		🗸 7,7 32.1	16	C - Vozilo 11 - 18	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	VOJKAN R. 7 IZNA	NE 🗸 🛛		🗸 8,0 30.1	15	C - Vozilo 11 - 18	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	STEFAN-TRANSPO	NE 🗸 🛛		\[\sqrt 1,7 14.1	7	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	ZEMAXPRO 6 IZNA	NE 🗸 🛛		~ 2,2 14.1	7	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	ZEMAXPRO 7 IZNA	NE 🗸 🛛		🗸 1,4 14.1	7	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	BG 2022-UF [1]	NE 🗸 🛛		🗸 2,2 14.	6	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategoriji 子		14:14	15:00		14:2' 22:00		15:00	20:00		15:	23:	
	NI Dosta	BG 2472-IG	NE 🗸 🛛	III NE 🗸	> 855 12.0	5	A - Vozilo 1 - 5 p	B - Vozačka dozvo	la B kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:]
	NI Dosta	BG 589-KA [1]	NE 🗸 🛛	III NE 🗸	~ 6,9 42.	17	C - Vozilo 11 - 18	C - Vozačka dozvo	la C kategoriji 子)	09:12	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	BG 1548-JB [1]	NE 🗸 🛛	III NE 🗸	> 3,3 17.	8	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategoriji 子		14:01	15:00		14:1 22:0(15:00	20:00		15:	23:	
	NI Dosta	BG 1553-HB	NE 🗸 🛛	⇒ NE 🗸	> 2,1 16.1	6	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	
	NI Dosta	BG 1553-HF [1]	NE 🗸 🛛	III NE 🗸	🗸 2,1 16.1	6	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategoriji 🗦		14:21	15:00		14:3 22:0(15:00	20:00		15:	23:	
	NI Dosta	BG 1573-RH [1]	NE 🗸 🛛	III NE 🗸	🗸 6,1 20.1	10	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategoriji 🗦		10:44	15:00		14:0 22:0(15:00	20:00		15:	23:]
	NI Dosta	BG 1640-RV [1]	NE 🗸 🛛	⇒ NE 🗸	🗸 3,3 17.	8	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategoriji 子		14:06	15:00		14:2 22:00		15:00	20:00		15:	23:	
	NI Dosta	BG 2037-MP [1]	NE 🗸 🛛	⇒ NE 🗸	🗸 2,2 14.	6	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategorije 🗦		17:30	15:00		17:4 22:00		17:45	20:00		17:	23:	
	NI Dosta	BG 2528-KP	NE 🗸 🛛	⇒ NE 🗸	> 3,3 17.	8	B - Vozilo 7 - 8 pi	C - Vozačka dozvo	la C kategorije		07:00	15:00		14:0 22:0(15:00	20:00		15:	23:	ב
		595											3		0			0		0	<u>ب</u>
2	Adjust ma	ximal amount of av	ailable dr	ivers and	workers per worl	shifts:						(Load	selection		R 🖓	Save sele	ection		$\mathbf{\mathbf{Y}}$	
LD	c		L	Shift	2	Dock	s available	Used drivers	New drivers (Wit	thout	t (New o	drivers (E	- Kateg	g New drivers (0	- Kateg	Used h	helpers	N	ew help	ers	^
Cł	IPS WAY	D.O.O.		1 (00:00-23:59)		0	0	0			0		0			0		0		
CF	ROSSDOCK	BOR		1 (06:00-15:00)		0	6	0			0		0			2		0		
CF	ROSSDOCK	BOR		2 (1	14:00-22:00)		0	0	0			0		0			0		0		
CF	ROSSDOCK	BOR		3 (1	14:00-20:00)		0	0	0			0		0			0		0		
CF	ROSSDOCK	BOR		4 (1	14:00-20:00)		0	0	0			0		0			0		0		¥
Wa	aiting for s	tart																			
								0 %												Break	
																					-

Distribution of shipments consists of 3 parts:

1. Selects available vehicles for new runs for each work shift. In this example, there are 3 vehicles for

the first shift.

2. Selects the number of available drivers and assistant drivers

3. Selects the Go option, which starts the distribution of shipments to vehicles, creating trips for

selected vehicles with a routed schedule of delivery of shipments to objects.

After clicking on the Go option, the process of optimization, reporting, top-up preparation and top-up for all runs is started. This is a process that can take a few minutes and you should wait until the process is completed. The bottom bar shows the percentage the deployment process has reached.

After the deployment process is completed, the Solution Statistics window appears, which provides detailed insight into the automatic deployment solution.

Search cargo

By entering the appropriate shipment or object name in the Search field, it is possible to search for shipments and find them.

ł	👸 Se	arch	са	rgo																										<
	Cargo object	deso nam	ript e	tion or												P						Sear	rch c	argo	in	Load	led		Global	
0)rag a	colu	mn	header here to	grou	ıр by	that	t colur	nn																					^
3	$\overline{}$	\sim	~	Document	\sim	\sim	\sim	3 🗸	w 🗸	V: 🗸	Ci 🗸	I V	A 🗸	\sim	Mi 🗸	Source 🤍	Object nar 🗸	0 🗸	C 🗸	Vehid 🗸	\~		\sim		E 🗸	Carg: 🗸	Comr 🗸	\sim	Ca 🗸 W 🗸	
	1	2	a	2195005632		GWF	9	26/0	1 kg	0.001	0.00	EUR	34.00	2	1,595	NELT FILIJA	TRGOVINA C	1105	Dark	BG 1553-	1100	05/0	1	10:0	10:0				04/03 04/03	3
	1	2 }	b	2195005596		GWF	9	20/0	3 kg	0.004	0.01	EUR	108.0	6	5,152	NELT FILIJA	Q5 BENZINS	1139	Gora	BG 879-U	1062	05/0	1	13:4	13:4				04/03 04/03	3
	1	2 }	b	9924313242		GM/	9	12/0	1 kg	0.001	0.00	EUR	16.00	1	719.5	NELT X 10 10	DELHAIZE S	1111	Drag	BG 1052-	1076	05/0	2 (07:3	07:3				03/03 04/03	3
	1	2 }	<u>a</u>	2195005691		GWF	9	11/0	1 kg	0.001	0.00	EUR	66.00	2	3,168	CROSSDOC	MERIDIJAN	1107	Milan	BG 1674-	1109	05/0	1 (08:0	08:1				04/03 04/03	3
	1	2	a	0080557738		GOS		11/0	200 ki	0.005	2.00	EUR	2.00	1	0.00	NELT FILIJA	MP134 NOR	1101	Gora	BG 769-R	1044	05/0	1	12:5	13:0	VZT:1000			04/03 04/03	3
		2		9924313356		GNE	9	10/0	6 kg	0.021	0.02	EUR	6.22	1	9,360	NELT CENTR	MP341 HIPE	1101	M_LC	M-LOGIC	1123	05/0	1	07:3	08:4	341/4104			03/03 04/03	3
		2		2001859748		GDC		10/0	5 kg	0.020	0.02	EUR	72.00	2	0.00	NELT CENTR	MP341 HIPE	1101	M_LC	M-LOGIC	1123	05/0	1 (08:4	08:4	DRO:801			03/03 04/03	3
		2		2128087849		GOS	9	10/0	0 kg	0.000	0.00	EUR	1.00	1	0.00	CROSSDOC	FILLY FARM	1100	Laza	BG 1695-	1111	05/0	1	11:0	11:1				03/03 03/03	3
	1	2	A	2195005667	1	GWF	9	10/0	0 kg	0.000	0.00	EUR	10.00	1	633.7	CROSSDOC	OAZA MARK	1137	Dušk	BG 758-N	1045	05/0	1	11:1	11:1				04/03 04/03	3
	1	2	a	0080555193		GHR	_	09/0	20 kg	0.001	0.50	EUR	2.00	1	0.00	NELT CENTR	MP237 ROD	1101	DINA	DINARA	1145	05/0	1 (08:2	08:4	VZT:5000			01/03 04/03	3
		2		2109292081		GPH	1	09/0	0 kg	0.000	0.00	EUR	2.00	2	2,622	NELT CENTR	LILLY DROG	1100	Dark	BG 879-U	1062	05/0	1 (07:3	07:3	2343040			02/03 04/03	3
	8	2	B)	2001858239		GDC	-	09/0	12 kg	0.067	0.08	EUR	48.00	1	0.00	NELT CENTR	VP808 LDC E	1101	Miod	BG 1688-	1109	05/0	1 (06:1	06:3	DRO:840			02/03 04/03	3
		2		2135023863		GHB	1	09/0	20 kg	0.106	0.11	EUR	118.0	21	38,68	NELT CENTR	STR DŽASM	1141	EKOF	EKOPROL	1147	05/0	1 (07:2	07:2				02/03 04/03	3
		2		9920466200		GML	Õ	09/0	9 kg	0.019	0.02	EUR	187.0	17	9,513	NELT FILIJA	ANDMARK T	1135	Gora	BG 769-R	1044	05/0	1 (06:1	06:1				02/03 04/03	3
	1	7	_	2854045604		GNE	Õ	09/0	442 ki	0.843	0.89	EUR	1,586	45	159,4	NELT FILIJA	VIVA AND G	1113	Jovic	BG 1649-	1108	05/0	1	14:0	14:1				02/03 04/03	3
H	1	7	_	2010056216		GFH	ñ	09/0	1 kg	0.001	0.00	EUR	5.00	1	0.00	NELT CENTR	FILLY FARM	1100	Dark	BG 879-U	1062	05/0	1	12:4	12:5				02/03 04/03	3
	1	7		2107048290		GOS	ñ	09/0	1 ka	0.002	0.00	EUR	20.00	1	0.00	NELT FILIJA	AU DR.MAX	1101	Saša	BG 769-P	1045	05/0	1	12:2	12:2				03/03 03/03	3
				10301					€7 kg	0 m3	6.39		4.21	390	17.66															~
).753 s	sec			_																									
										-									_						-			_		

When we enter the shipment (document) and click on the Search option, the specified shipment will be found.

Shipments can also be searched Globally for a longer period. When the Global tab is selected, enter the document or the name of the object in the Search field, set the period in days for which we are doing the search, and when we click on the Search option, the shipment will be found.

👩 Search cargo							\Box \times
Cargo description or object name	9920467496	ع			Search cargo in	Loaded	Global
Drag a column header here to							
Image: Construction Image: Construction Document Image: Construction 9920467496	GMF 🗊 05/(34 kg 0.133	Ce A A A A A A A A A A A A A A A A A A A	urce 🔍 Object nar 🔍 ELT CENTF MP455 ZEMU	Ot C Vehid V 1101 Dalib BG 1199- 10	B E E B E E	Carge Comn 0:2 455/633	Cz Wl 03/03 04/03,
1	34 kg 13 m3	0.10 0.00 10 93.64					
0.039 sec							

Check cargo date by date by date rules

Check shipments according to a previously set date.

Conditional select cargo

It is possible to select a shipment according to the parameters of weight, volume, capacity, by selecting the type and subtype of goods.

Conditional select cargo

Select all objects where sum of all cargo is less or equal then (zero if not used) Weight 37 Volume 0.00000 m3 Capacity 0.0 ALL AT LEAST ONE cargo items has the followings cargo sub	000 Items	0
Cargo type name		^
Cargo subtype code		
0		~
	Select	Cancel

If, for example, we enter the weight: 37kg and then click on the Selection option, it will show us all objects for which each shipment has a weight less than or equal to 37kg in the Shipments window.

Show cargo parameters

By selecting the **Display parameters** option, the shipment parameters are displayed in the Shipments window. Mainly there are data about the object, document, type of goods, weight, volume, capacity. The parameters that will appear in the Parameter View can be defined in the Schedule of Unassigned Shipments View Columns.

😭 Cargo													포
🦻 🗊 🖪 🛛 🗆 😭	🗑 🛛 🖸	Al Solve !											
Source 🛆 🔽													
Da 🗸 🔽 Object 🛛 🛆	🗸 Acces 🗸	Object II 🗸	Cu: 🧹	Document 🗸	Ca 🗸	We 🗸	Vol 🗸	< 🗸	Α 🗸	II 🗸	Ζ 🗸	(🧹 F	V I V
Source:													
05/03/ .	В	1100724	PSR	2001860831	GBA	0 kg	0.000	0.00	0.00	1	XD KF		60
05/03/ .	В	1108075003	PSR	9920466178	GWR	3 kg	0.004	0.00	114.(6	RDCI		60
05/03/ .	В	1108917	PSR	2001860481	GBA	0 kg	0.000	0.00	0.00	1	XD KF		60
05/03/ :	В	1101596002	PSR	2001860825	GBA	0 kg	0.000	0.00	0.00	1	XD KF		60
Source													
05/03/ 1	В	1124056006	PSR	2001860602	GBA	0 kg	0.000	0.00	0.00	1	XD Š/		6
05/03/ 1	В	1120458002	PSR	200 186 10 19	GBA	0 kg	0.000	0.00	0.00	1	CDCI		60
05/03/ 1	В	3270578	PSR	2001861051	GBA	0 kg	0.000	0.00	0.00	1	CDCI		6
05/03/ 1	В	1104404234	PSR	2198003914	GBR	0 kg	0.000	0.00	0.00	2	CDCI		60
05/03/ !	В	1101208008	PSR	2001860894	GBA	0 kg	0.000	0.00	0.00	1	CDCI		6
Source													
05/03/ .	В	1117269004	PSR	2117080010	GHB	0 kg	0.000	0.00	0.00	1	RDCI		60
05/03/ .	DS	1134192007	PSR	2110039120	GHB	0 kg	0.000	0.00	0.00	1	RDCI		60
05/03/ .	В	1103571007	PSR	2110039121	GHB	0 kg	0.000	0.00	0.00	1	RDCI		
12 / 12						3 kg	04 m3).00	4.00	18			

Show cargo location

By selecting the **Show destination** option, the destination parameters are displayed in the Shipments window. Mainly there are data about objects, documents, type of goods, place, address of the object, as well as the time of receipt of the object's goods. The parameters that will appear in the View of Destinations can be defined in the Schedule of Unassigned Shipments View Columns.

Ę	🚰 Cargo								28
Ņ) 🞲 💹 🛛 🖂 🕼	🗎 🐼 🛛 🕗	Al Solve !						
5	Source 🛆 💭								
Da	: ⊽ 🔽 Object 🛛	🛆 🔍 Acces 🔍 [🗸 Document 🗸	Ci 🗸 Object Il 🗸	Object tov 🗸	Object add 🧹	Time wind 🧹	(🗸 F 🗸	· 1 ->
	Source : CROSSDOCK KRA	AGUJEVAC							
	05/03/ .	В	2001860831	1100724			06:00-21:00		60
	05/03/ .	в	9920466178	1108075003			06:00-21:00		62
	05/03/ .	В	2001860481	1108917			06:00-21:00		62
	05/03/	В	2001860825	1101596002			06:00-21:00		6
	Source								
	05/03/	В	2001860602	1124056006			06:00-21:00		6
	Source	RAD							-
	05/03/	В	2001861019	1120458002			06:00-21:00		60
	05/03/	В	2001861051	3270578			06:00-21:00		62
	05/03/ 1	В	2198003914	1104404234			06:00-21:00		62
	05/03/	В	2001860894	1101208008			06:00-21:00		6
	Source	EVO							
	05/03/ .	В	2117080010	1117269004			06:00-21:00		62
	05/03/ .	DS	2110039120	1134192007			06:00-21:00		6
	05/03/	В	2110039121	1103571007			06:00-21:00		6

Setup cargo view columns

Setup cargo view columns

In this section, it is possible to create a schedule for viewing unscheduled shipments, and possibly add available columns on the right to Display parameters on the left.

We do this by clicking on a certain column, holding it down and switching it to the Parameter View on the left.

Show cargo parameters	Available columns
Date	Cargo digital
Object	Cargo oversized
Object address	Cargo received
Access	Cargo regular
Object ID	Cargo type
···· Document	Comment
Cargo type	Cross-docking
Weight	Cross-docking step
Volume	Customer type
Capacity	Date
Amount	Demand ramp
Items	Deciment
Zone	
Show cargo location	Items
Date	Negeland's ands
Object	Merchant's code
Access	Merchantshame
Document type	Money
Caree time	Money ext.
Cargo type	Money tert.
Object town	Object
Object address	Object ID
Time window(s)	Object PTT
Time window(s)	Object address
	Object priority
	Object town

When we click on the Apply option in the lower right part of the window, the specified column will be added in the Parameter View, right after the Object column. In the same way, we add the available columns to the Display destination.

48

😭 Cargo												28
🥬 💱 🦉 🖉 🗆 🖾 😭 🛛 🖉 Al Solv	/e !											
Di ♥ 🔽 Object 🗠 🗸 Object address 🔍	Acce 🗸	Object 🧹	Documer 🧹	c 🗸	w ~	Vc 🗸 I	~ /	~ !~	2 🗸	(🤍 F	\sim	
Source : (
05/03	В	1100724	2001860831	GBA	0 kg	0.000	0.00	.00 1	XD K			6
05/03	В	110807500	9920466178	GWR	3 kg	0.004	0.00 1	14. 6	RDC			62
05/03	в	1108917	2001860481	GBA	0 kg	0.000 0	0.00	.00 1	XD K			6
05/03	в	110159600	2001860825	GBA	0 kg	0.000	0.00	.00 1	XD K			6
Source												
05/03	В	112405600	2001860602	GBA	0 kg	0.000	0.00	.00 1	XD Š			Ô
Source												
05/03	В	112045800	2001861019	GBA	0 kg	0.000	0.00	.00 1	CDC			60
05/03	В	3270578	2001861051	GBA	0 kg	0.000 0	0.00	.00 1	CDC			Ô
05/03	В	110440423	2198003914	GBR	0 kg	0.000	0.00	.00 2	CDC			Ô
05/03	В	110120800	2001860894	GBA	0 kg	0.000 0	0.00	.00 1	CDC			Ô
Source												
05/03	В	111726900	2117080010	GHB	0 kg	0.000	0.00	.00 1	RDC			60
05/03	DS	113419200	2110039120	GHB	0 kg	0.000	0.00	.00 1	RDC			Ċ
05/03	В	110357100	2110039121	GHB	0 kg	0.000	0.00	.00 1	RDC			Ô

1.5 Reports

From the Reports menu, it is possible to select a report from the list of Logistics reports.

🚯 Administrator - SkyTrack 4 Logistic	s - DC Jastrebarsko, DC Zagreb		- 🗆 X
File Dictionaries Solutions Cargo	Reports Options Help		
🗲 Trips	Dokumente bez potvrde dostave	K	🛱 Cargo 푸
Date: 12/09/2024	📃 Izvještaj automatskog rutiranja	**	🙆 🕅 💷 🛛 🗖 😭 🔷 Al Solve !
	🧮 Logističke postavke objekta	h	
	Odbijene dostave	ř.	Source Δ
	Odbijene ili djelomično izvršene dostave		$ \begin{tabular}{ c c c c } \hline V & Objec' V & Objec'$
	Pregled dostave po dokumentu		
0	Pregled dostave po dostavnom mjestu		
🗎 Trip view - no trip selected	Pregled dostave po stavkama	2	
🗄 🗰 🗰 # Area na Doo	Pregled dostave po turama	vi	
	Pregled neraspoređenih dokumenata		
	🗐 Pregled utovara i istovara po barkodu		
	🧾 Pregled zaduživanja kupca paletama		
	🧾 Pregled zaduživanja kupca transportnom ambalažom	Ш	0/0
0	🧾 Pregled zaduživanja ture paletama	Ц.	
	Pregled zaduživanja ture transportnom ambalažom	R	A TRANSPORT
	🧾 Pregled zahtjeva za promjenu geokoordinata	Γ ^τ	
📓 🔧 🔀 🔀 🔚	Skladišni izvještaj dostave	L.,	
	Sporne dostave		15°2320
🗞 Trips timeline	🧐 Trošak po artiklu	平	450771
	🧾 Usporedba planiranog i realiziranog troška dostave		
	🧾 Višak/manjak po prijevoznicima	^	A 566.6 m
	Vrijeme prvog izlaska iz LDC		Ser 1
2.00 4.00 6.00 8.00	10.00 12.00 14.00 16.00 18.00 20.00 22.00	~	E 16°23'23.5" N 46°22'40.3"
	100.0%	_	DB: 19.934 sec 0.021 sec Nothing selected :

After we click on the report we want, the window below opens.

<i>6</i> 3	Report parameters							\times
1.00	Please, select report from the list and define		Report's para	ameters				
	report's parameters			Period	12/09/2024-12	/09/2024	<u>.</u>	
05. L	ogistika	^	Vehicles					
-2	Dokumente bez potvrde dostave		Verneies	Logistics				-
-2	Izvještaj automatskog rutiranja			ACDOLACUNA d	-			
	Logističke postavke objekta			AGROLAGUNA U.	u.			
-J	Odbijene dostave			DC Jastrebarsko				
	Odbijene ili djelomično izvršene dostave			DC Zagreb				
	Pregled dostave po dokumentu			KONZUM Prod. 18	10 SUPER OSIJEK			
ī	Pregled dostave po dostavnom mjestu			KONZUM Prod. 26	1			
-J	Pregled dostave po stavkama			METSS Prod. 305				
- I	Pregled dostave po turama	1		Object 03				
	Pregled neraspoređenih dokumenata			Object 04				
	Pregled utovara i istovara po barkodu			Object 05				
	Pregled zaduživanja kupca paletama			Object 06				_
	Pregled zaduživanja kupca transportnom ambalažom			Object 08				
	Pregled zaduživanja ture paletama			Object 09				
	Pregled zaduživanja ture transportnom ambalažom	1		Object 12				
	Pregled zahtieva za promienu geokoordinata			Object 13				
	Skladišni izvieštai dostave	1		Object 14				
	Sporpe doctave	\sim		Object 15				
Preal	ed dostave po turama za odabrane LDC i odabrane grupe vozila (ako nisu			Object 2				
odab	ane grupe vozila onda za sva vozila)			Object 21				
				Object 23				
				Object 24				~
#13	8 Pregled dostave po turama							
						Ok	Cancel	

In it, when we click again on the desired report, in the lower left corner - below the list of reports, the program gives us a description of what the selected report does. In this example, the selected report Overview of deliveries by tours, provides an overview of deliveries by tours for the selected LDC AND the selected vehicle groups - if no vehicle groups are selected, then it provides for all vehicles.

After selecting the report we want, we select the period in which we want to see the display, then we select the LDC for which we want to see an overview of deliveries by rounds and click OK. After that, the mentioned report is opened.

	Pregled dostave po turama za period 13.07.2020 - 13.07.2020															
ļ																
						Pre	gled dosta	ve po turama za	period 13.07.2	020 - 13.07.2)20					
	yrag a column header here to group by that column															
	LDC	Datum	Grupa vozila	Prijevoznik		Vozilo	Vožnja							Dostava		
	LDC 🗸	Datum 🗸	Grupa vozila 🗸 🗸	Prijevoznik 🗸	Vozilo 🗸	Model vozila 🗸	Tura 🗸	Šifra 🗸	Plan poč. 🗸	Plan kraj 🗸	Plan traj. 🗸	Plan km 🗸	Objekata 🗸	Težina kg 🗸	Količina 🗸	
	Benkovac	13/07/2020	Benkovac	Vlastita tvrtka	Čerina C	kombi C kategorija 3500 kg 6	1	1000003	07:00	09:39	02:39	99.6	2	2,159.0	3.0	
	Benkovac	13/07/2020	Benkovac	Vlastita tvrtka	Čerina C	kombi C kategorija 3500 kg 6	2	1000004	09:55	17:23	07:28	190.1	15	787.8	16.0	
	Benkovac	13/07/2020	Benkovac	Vlastita tvrtka	Žižić	kombi 1500 kg 2 pal	1	1000001	07:00	10:48	03:48	163.7	1	2.1	1.0	
	Benkovac	13/07/2020	Benkovac	Vlastita tvrtka	Žižić	kombi 1500 kg 2 pal	2	1000002	11:04	18:16	07:12	294.0	4	939.9	4.0	

1.6 Options

The Options menu contains the Settings menu and the Shipment Data Integrity Check.

Settings

Settings - a menu with options that define the operation of the shipment scheduling algorithm.

Options

When we click on the Options tab belonging to the Settings menu, the window below opens.

Options	Routing options Solving options Map Miscellaneous								
()	Solution options Threshold of capacity By weight 10 % By volume 30 % By capacity 0 %	Cargo options Append "-1" to new cargo description on splitting Change comment on crossdock Crossdock cargo description Append "-1"							
	View options Solution view option Never route solution view Ask for route solution view Always route solution view Indicate non-calculated distances on map Show labels of the trip delivery places on map	Trips timeline view options Show limits of selected trip on the timeline Show loadings on the timeline Show LDC shifts on the timeline							
	Cargo view Cargo view Cargo badge size on map Dynamic cargo badge size on map Use week day information of zones Show zones on map Highlight cargo from past Load regular cargo from past (days) Load return cargo from past (days) 0	Color of cargo on map Color of object accessibility Color of cargo sale shannel Color range by total weight Color range by total volume Color range by total area Color range by object priority							

Solution options

Treshold of capacity - select the percentage that must remain empty in the cargo space in three categories: weight, volume and capacity.

Cargo options - by including one of the existing options, it is possible to enable: adding "-1" to the document number when sharing, adding "-1" to the document number for crossdocking, changing the shipment comment when crossdocking.

View options

Solution view option - select one of the options related to the routing method: never route a trip, ask for routing a drive, always route a drive display. If we select the option never route the trip - the view of the trip on the map will not be routed, if we select ask for routing the trip - when selecting the trip, the program will ask us if we want to route. If we choose always route trip(s) - the program will route the trip we choose.

Show aerial distances of trip(s) on the map – shows aerial distances of trip(s) on the map. Displaying the names of delivery points for driving on the map - shows the names of delivery points on the map. Postavke pregleda vremenske skale

Display of the time limit of the selected drive - provides an overview of the end time of the drive for the drive we select, in the Drive Time Scale window marked with a red vertical line.



Display of loading time on the time scale – provides an overview of the loading time for each run that we select on the Time Scale of the run marked gray. In our case, the loading time was previously set to 15 min in the LDC work shift settings and in the vehicle transit settings.



Display of the work shift on the time scale - marks the background in the window Time scale of driving, for a specific work shift, with a blue transparent color.



Cargo view

Grouped view of cargo on map - groups shipments by groups on the map. Dynamic cargo badge size on map - turns on or off the dynamic display size of shipments on the map. Use week day information of zones - includes zone day of week information. Show zones on map - turns on or off the display of zones on the map. Highlight cargo from past - enter a limit in the number of days, for which we want to see loaded shipments

Highlight old shipments with a different color - turning on this option marks old shipments with a different color Loading returns not older than (days) - enter a limit in the number of days, for which we want to see loaded returns.

Color of cargo on map

Color of object accessibility - Displays an unallocated object in the previously defined object availability color. Color of cargo sale channel - Displays the unassigned object in the previously defined sales channel color Color range by total weight - Displays unspaced objects ranged by total weight Color range by total volume - Displays unspaced objects ranged by total volume Color range by total capacity - Displays unassigned objects in range by total capacity

When we click on Ok in the lower right corner of the window, the settings made in the Options tab will be activated.

If you change your mind about the changes you made, you can also click Cancel in the lower right corner of the window.

Routing settings

Knowledge base

Do not use real distances and times - the application then works according to aerial distances.

Fetch from database - retrieves data for trip(s) directly from the knowledge base.

Calculate on refresh- when we select this option and confirm with Ok, during the next refresh of the application, data from the knowledge base is loaded. When we right-click on a trip -Routing show trip(s), the map shows us the trip according to road distances.

Host - enter the IP address or domain name of the server
Database - enter the name of the database
Login - enter the user name
Password - enter the password from the user
Port - enter the port for connecting to the knowledge base

Air distance operation warning - when this option is turned on, a notification appears when the application operates according to air distance.

Setting	gs									
Options	Routing options Knowledge base O Do not use Fetch from Calculate or Host Database	Solving options	Map Miscellaneous	s Driving distance and time options Driving time coef. Vehicle speed without knowledge base 45 km/h Delivery duration options Delivery duration by items count Calculation of delivery duration OBV delivery object properties						
	Password Port Show warr	++++++ 3306 image while working we work where we work we work we work we work we work we way to be written we work where we work we way we work we way we work we work we work we work we way we way we way we work we work we work we work we way	ith air distances	By cargo type properties By cargo type properties Group transport mode coef. Optimization limits Disable work shift duration and trip end limit Disable object access times limit Use trip end time within same shift only Routing warnings Object exists on another trip while adding Adding oversized cargo						
	Optimization r Optimal d Optimal t Minimal d Minimal d Use week	node listance/time ime/distance rive with cargo for d rive with cargo for p day settings of zone	elivery ickup es for permissions							

Driving distance and time options

Driving time coef. – enter the percentage that defines the driving time **Vehicle speed without knowledge base** - enter the speed value in km/h, which represents the speed of the vehicle without using the knowledge base.

Calculation of delivery time

By delivery object properties - calculates delivery time according to object settings

By cargo type properties - calculates the duration of delivery according to the settings of the type of goods

Group transport mode coef. - enter the value in percentages for the group delivery method

Route optimization options

Optimization mode

Optimal distance/time - the program optimizes the minimum driving distance

Optimal time/distance - the program optimizes so that the driving duration is minimal

Minimal drive with cargo for delivery - the program optimizes so that there is a minimum driving with the load in the delivery

Minimal drive with cargo for pickup - the program optimizes so that there is a minimal driving with cargo in pickup

Optimization limits

Disable work shift duration and trip end limit - by selecting this option, it is possible to turn off and enable the limitation of the duration and end of the journey when routing

Disable object access times limit - by selecting this option, it is possible to turn off AND enable the limitation of working hours of the object when routing

Use trip end time within same shift only -

Routing warnings

Object exists on another trip while adding - by selecting this option, it is possible to turn on and off the warning when routing or manually adding shipments to the trip - that delivery to the object also exists in other trips Adding oversized cargo - by selecting this option, it is possible to turn on and off the warning during routing or manually adding shipments to the drive - about the addition of oversized goods.

When we click on Ok in the lower right corner of the Routing Settings tab, the settings we make will be saved and used during routing. If we change our mind, we can click Cancel.

Solving options

Automatic solving options

Automatic solving with unlimited time - turn on or off the option of unlimited automatic scheduling of shipments

Show advanced information during solving - toggles the option of additional information on or off

Include Small packages - Enables or disables the deployment of small packets

Exclude oversized cargo - excludes or includes deployment of oversized goods

Options	Routing options Solving options Map Mis	ellaneous
	Automatic solving options Automatic solving with unlimited time Show advanced information during solvin Include "small" packages Exclude oversized cargo Solution limits Total volume of trip >= Total capacity of trip >= Total deliveries of trip >= Total money of trip >= Mark/total money of trip <=	Left unsolved all cargos for the same object if it can't be delivered by single trip Skip post-optimization Use object's priority Trip use priority Trip use priority O % O % O % O % O % O % O % O % O % O % O % O % O % O % O % O % O % O % O % O % O So %
	Supplementing options Don't change original trip points order Don't split cargos for the same object if it delivered by single trip Supplement regular cargo only if already delivery for the same object Supplement return cargo only if already delivery for the same object	Helper add to Can't be exists Complexity of calculating Complexity of calculating 1

Leave all shipments for the delivery location

Left unsolved all cargos for the same object if it can't be delivered by single trip - Shipments remain unassigned if they cannot be delivered in one run

Skip post-optimization - turn post-optimization on or off during automatic deployment

Use object's priority - turns object priorities on or off when routing. Object priorities are defined in advance in Object Settings.

Solution limits

Total weight of trip - includes or excludes the driving weight limit in relation to the weight of the vehicle model, which should be equal to or above a certain value in percentage - for automatic assignment to driving to be possible Total volume of trip - turns on or off the limitation of the driving volume in relation to the vehicle volume, which should be equal to or above a certain value in percentage - so that automatic assignment to driving is possible.

Total capacity of trip - includes or excludes the limitation of driving capacity in relation to the vehicle capacity, which should be equal to or above a certain percentage value - for automatic scheduling to be possible

Total deliveries of trip - the limit on how many objects should be on the trip is turned on or off

Total money of trip - includes or excludes a limit on how much the total value of the goods should be in order for the trip to be realized

Mark/total money of trip - includes or excludes the limit on the value of the grade/total money in percentages Use minimum delivery total money by customer type - turns on or off the minimum shipping amount by customer type

Trip use priority

Return to the LDC - sets the driving priority to return to the original warehouse Do not return to LDC - sets the priority of driving without returning to the original warehouse No priority - sets no priority

Dock usage

Set the initial number of available docks according to the total number of defined docks for LDC - uses information about the total number of defined docks for LDC

Supplementing options

Don't change original trip points order -

Don't split cargos for the same object, if it can't be delivered by single trip - by enabling this option, it is impossible to top up with a shipment for a particular delivery point, if it cannot be delivered in one trip

Supplement regular cargo only if already exists delivery for the same object- by enabling this option, it is possible to replenish with shipments for tours, where there is already a delivery for the same delivery point

Supplement return cargo only if already exists delivery for the same object- this option allows for top-up of returns for tours where there are already deliveries for the same delivery point

Helper add to

It is possible to add a support worker:

The longest trip The most complex trip(s)

Calculation complexity

Calculation complexity - the integer value of the calculation complexity is entered

Мар

Common map rendering rendering options

Fill Background – fills the background on the map
Transparent Info Tool – displays a transparent Info Tool (yellow question mark) on the map
Use hardware acceleration for 2D display - hardware acceleration option used for 2D map display
Use hardware acceleration for 3D display - hardware acceleration option used for 3D display on the map
Detail level – the slider is set to a number from 1-100, which represents the level of detail on the map
Zone's transparency - the slider is set to a value that represents the transparency of the zone display
Color scheme – one of the 3 existing schemes is selected, which changes the color scheme on the map

Enable on-line maps - pulls maps from the Internet

Open street maps options

Disk space usage - number in MB Clear disk cache - clears the disk cache

Miscellaneous

By selecting the Miscellaneous option, it is possible to restore the initial layout of the window, restore the initial layout of the columns of the driving list, restore the initial layout of the shipment review, turn on/off the display of the user's name and LDC in the header, display of warnings when working simultaneously with other users on the same days and LDC.

👩 Settin	ngs								\times						
	Setting	gs													
	Options	Routing options	Solving options	Мар	Miscellaneous	;									
	O	System tools													
	Restore default layout														
		Restore trips view columns Restore cargo view columns													
		Channer	are and DC in		tion contion										
		Show warr	ning if other users	logged	into Logistics w	th the same p	privileges for LDC								
		Color range													
			Range color				Range value								
									\otimes						
								Ok	Cancel						

Restore default layout - returns all settings to initial values. Requires program restart.

Restore trips view columns - restores the arrangement of the columns of the list of trip(s) to the initial values

Restore cargo view columns - restores the shipment review schedule to its initial values

Show user name and LDC in application caption - turns on or off the display of I LDC user information in the application header

Show warning ih other users logged into logistics with the same privileges for LDC - turn on or off the warning of simultaneous work with other users on the same days I LDC.

Color range

It is possible to add color and value by clicking on the green plus sign in the upper left corner of the color range window. By clicking on the red icon, the specified color and value are deleted.

olor range	- 1		
Range color	★	Range ue	Δ 🙆
		<= 40.000	

Check cargo integrity

With this option, it is possible to check the integrity of the data about shipments loaded into the application.

When we select this option, the window below opens.

Cargo int	egrity					
	Check car	rgo integrity				
	Operation					,0000
	Period	01/09/2024-30/09/2024	Check	Fix!	Cancel	
i i						
i i						
	<					>
			0 %			Close

We need to select the date for which we want to check, then click on the Check option and the window below opens.

Cargo int	egrity	
	Check cargo integrity	
	Operation Period 01/09/2024-30/09/2024 Check Fix! Cancel	
	<pre>[12:36:54] Started check cargo integrity 01/09/2024 - 30/09/2024 [Test mode] [12:36:56] Operation completed successfully.</pre>	~ ~
	<	>
	0 %	Close

In this case, the check was successful and the shipment data is correct. If they were not, they would click on the Correction option.

By clicking on the Show log option in the upper right corner of the window, a notepad file is opened in which all the activities we have done in this window are recorded.

If we want to close the Shipment data integrity check window, click on Close.

1.4 Help

Help contains a manual for working with the program and a window with basic information about the program.

Help

Help for working with the program.

About the program

A window with basic information about the program.

Below the name Sky Track 4 Logistics is written the version of the application

🚱 About		\times
	SkyTrack 4 ver	Logistics sion 4.6.8.52
	 BND.2017.09 Data source © TomTom MNE.2018.12 Data source © TomTom (Address space) OUT.2008.04 Data source © TeleAtlas SRB.2018.12 Data source © TomTom SRB.2018.12 Data source © TomTom (Address space) 	
	Registration Position manager Statistics Logistics	
Measure connection speed	www.skytrack.net © 1990-2024 Artronic d.o.o. All rights reserved. Sveti Duh 85, Zagreb, tel, +385-1-3700595, fax, +385-1-3	774541

When the Registration option is clicked, the window below opens, through which it is possible to register Sky Track 4 applications if they are not registered, by sending the specified registration code to registration@skytrack.net.

👸 SkyTra	ack 4 Registration	\times
\$	SkyTrack 4 Registration	
	Artronic proudly presents SkyTrack™ sophisticated AVL (Automatic Vehicle Location) and fleet management system, entirely Croatian For continue send this register number to specified	
	e-mail WYWX-BUSC-RJHS-VHFW Pošalji kod	
	Type received code here	
	© 1990-2022. Artronic d.o.o. All rights reserved	

When you click on Measure connection speed, the application gives us information about the connection speed in Mbps.

Chapter 2 - Trips

This chapter talks about shipment drives, which are located in the windows on the main screen in the program.

2.1 Trips

The Trips window is used to view general data about trips and vehicles.

) Trip	DS										平
Date:	15/04/2019	 S S) 18 (i 📑 ا		2	ð 🎝 🧎	23			
\sim	Vehi	de 🛛 🗸	Shifi 🗸	Begin 🛆 🗸	End 🗸	Limit en 🗸	Objects 🗸	Km 🗸	Group	Model	\sim
	🖌 🔒		1	03:01	13:19	20:00	2	357.2 km	Atego	Mercedes Atego 3500	
	🚽 😼 🚽		1	03:01	10:08	20:00	3	146.7 km	Atego	Mercedes Atego 3000	
	🚽 🗗		1	03:01	11:38	20:00	5	203.4 km	Actros	Mercedes Actros 13000	
	2		1	02.01	12.10	20.00	10	7071			
	3			03:01	13:19	20:00	10	/07 km			

Toolbar:

- Date of solution: it is possible to select the date on which we want to work
- Refresh: retrieves fresh data from the database
- Add vehicle to solution: add vehicles to solution manuly
- -Finalize trip(s): redistributes trip(s) from one to another
- -Show loading lists for selected trips: loading lists for selected trips can be viewed
- Display of solution statistics: displays solution statistics for selected trips
- Check all: includes the selection of all vehicles
- Uncheck all: deselects all vehicles
- Change filter by locking status: it is used to quickly switch from viewing locked trip(s) to viewing unlocked trip(s).

- Show solution vehicle information: while this option is on, the table shows the previously defined vehicle information display data.

- Show solution usage information: while this option is turned on, information about driving occupancy is displayed in the table

-Show solution route information: while this option is on, the data about driving routes is visible in the table

-Show solution expenses: while this option is turned on, the table shows data about driving expenses -Show solution drivers: while this option is turned on, data about drivers and assistants/passengers can be seen in the table

- Show solution vehicle capacity: while this option is turned on, the table shows data on vehicle capacity, vehicle load capacity and vehicle volume.

Options per vehicle/ solution: right-clicking on a vehicle/ solution opens a menu with more options.



Show trip invoice - opens a window with a list of goods that should be loaded into the truck. From this window it is possible to print the loading and delivery list.

Show trip picking list - opens a window with pallets, products, PHC for the selected vehicle.

Optimize trip(s) - optimizes the selected trip, this is usually used when a trip is manually loaded

Invert point order of trip(s) - changes the order of selected trip(s)

Fill up crossdock trip - filling option, if crossdock trip is selected.

Rout solution view - routes the driving display on the map, according to aerial distances or according to values from the knowledge base, which are previously set.

Show selected trip(s) on map - centers and displays the selected trip on the map

Creating user routes from selected trip(s) - creates routes based on selected trip(s).

Mark other unassigned shipments for delivery points for driving - marks unassigned shipments

Define start time - changes the start of the selected trip

Define limit end time - changes the end of the selected trip

Define description - serves to add a comment for the selected trip(s)
Define trip dock - serves to select a loading dock for driving
Chang start/end object of trip - changes the start and end point of the drive
Return to LDC - means that the priority is to return to the original warehouse
Do not return to LDC - means that the return to the original warehouse is not a priority
Add helper to trip(s) - adds helper to the trip
Remove helper from trip(s) - removes the support worker from the trip
Define trip driver(s) - adds a driver AND co-driver/helper to the trip
Lock trip(s) - locks the trip and after this it is not possible to do anything on the trip
Unlock trip(s) - unlocks a trip, only certain users have this privilege
Send trip(s) to WMS - sends data for selected runs to the warehouse management system and
there it generates lists for loading onto the truck
Send trip(s) to vehicle(s) and WMS - sends data to vehicles AND to WMS
Delete all deliveries for selected trip(s) - empty the selected trucks of the cargo intended for them and
the destination where the cargo is to be transported

Delete selected trip(s) - deletes selected trip(s) from the list

2.2 Trip view

Review of a trip is a review of all documents for that trip. The items on the documents are the date of the document, estimated delivery time, type of goods, weight, volume, capacity, quantity, value of a shipment, and to which object the goods are delivered.

ł	Trip view #1									27								
3						#	Area name	Document	Doc. date	Begin	End	Object name	Object ID	Weight	Volume	Capacit	Items	Time windov
	3			2		1	Area 1	66235/19	15/04/201	04:23	08:05	Alex team Barajevo -	01630002	53 kg	0.000 m	0.00	7	08:00-20:00
	3			2)		2	Area 1	66233/19	15/04/201	08:31	08:40	Alex team Barajevo -	01630001	89 kg	0.000 m	0.00	10	08:00-20:00
	3			2)		3	Area 1	66176/19	15/04/201	09:02	09:06	Aman doo - PR. 117		26 kg	0.000 m	0.00	3	08:00-20:00
	3			2)		4	Area 1	66539/19	15/04/201	09:37	09:42	Aman doo - PR. 135		40 kg	0.000 m	0.00	3	08:00-20:00
»⊡] [7		5	Area 1	66397/19	15/04/201	10:12	10:19	Aman doo - PR.48		22 kg	0.000 m	0.00	2	08:00-20:00
						5								230 kg	000 m3	0.00	25	

It is also possible to manually transfer documents from the list of unassigned documents to the drive.

This is done in the following way: We select the document we want from the Shipments window, hold it and drag it into the Drive Overview window.

Trips	孕		9 0	argo												푸
Date: 15/04/2019 🛛 🖂 😂 🎇 🕼 👘 🗹 🗆 🖶 🗎 🦄 🌦	- 🎽 🥦 🞲 💹 🛛 🖂 😭 👘 😥 Al Solve !															
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		E	So	urce : LDC		_							1			
			15/				6	5609	LOC 45	0.0	0.0	EUF 58.	4		62	
	_	<	15/	!Albatros N	DRAC	Α	014 6	5625	LOC 22	0.0	0.0	EUF 28.	4 Ruta		- @ -	
1 03:01)3:01 20:00 0 0 km			15/	!Andraš-Ba	SVET	Α	031 6	5622	LOC 39	0.0	0.0	EUF 56.	5 Ruta	\checkmark	Ô	
Trip view #1	萃	U	15/	!Pekara 2M	STOJ	Α	032 6	5658	LOC 11	0.0	0.0	EUF 60.	1	\checkmark	6	
	÷		15/	!QVATTRO (DR.I	Α	021 6	5624	LOC 31	0.0	0.0	EUF 36.	5 BEOG		6	
# Area n Docume Doc. Beg End Object nam Objec We Volu Cap Iter Tim	ev		15/	!QVATTRO (NIKO	Α	021 6	5643	LOC 91	0.0	0.0	EUF 98.	7 BEOG		6	
			15/	Smart trac	MILE	Α	022 e	5630	LOC 68	0.0	0.0	EUF 148	8		(Î)	
				576 / 571					kg	n3	00	00	16			~

Trips	^I 📦 Cargo 平									
Date: 15/04/2019 🔤 😪 💸 🔞 🍋 🖉 🗆 🗠 🙀 🎇 🎘 🦉 🏂 🦉										
Source A Sou										
UB-015-EC 1 03:01 10:54 20:00 1 255.4 Atego Mercedes Atego 3										
	Source : LDC UB									
	15/ 6605 LOC 45 0.0 0.0 EUF 58. 4									
	15/ IAndraš-Ba SVET A 031 662: LOC 39 0.0 0.0 EUF 56. 5 Ruta V IV									
1 03:01 10:54 20:00 1 55 km	15/ !Pekara 2M STOJ A 032 665E LOC 11 0.0 0.0 EUF 60. 1									
H Trip view UB-015-EC #1	15/ IQVATTRO (DR.I) A 021 6624 LOC 31 0.0 0.0 EUF 36. 5 BEOC 🗹 🕼									
The second secon	15/ IQVATTRO (NIKO A 021 664: LOC 91 0.0 0.0 EUF 98. 7 BEOC 🗹									
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	575 / 570 kg n3 00 00 12 🗸									
1 kg m3 .00 4										

Options after driving review: right-clicking on an item opens a menu with more options.

	Show trip invoice	
ß	Show trip picking list	
% S	Optimize current trip	
3	Invert point order of current trip	
Ð	Fill up crossdock trip	
V	Check selected	
	Uncheck selected	
2	Route solution view	
⇔	Adjust map by current trip	
đ	Select left cargo for current trip	
Ø	Change delivery duration for object "!Albatro	os NS - PR.1"
© 8	Change delivery duration for object "!Albatro Cargo items for delivery	os NS - PR.1"
© 2000 0000	Change delivery duration for object "!Albatro Cargo items for delivery Change cargo comment	os NS - PR.1"
(S) (S) (S) (S) (S) (S) (S) (S) (S) (S)	Change delivery duration for object "!Albatro Cargo items for delivery Change cargo comment Move delivery earlier	Ctrl+Left
	Change delivery duration for object "!Albatro Cargo items for delivery Change cargo comment Move delivery earlier Move delivery later	Ctrl+Left Ctrl+Right
	Change delivery duration for object "!Albatro Cargo items for delivery Change cargo comment Move delivery earlier Move delivery later Lock delivery(s)	Ctrl+Left Ctrl+Right
	Change delivery duration for object "!Albatro Cargo items for delivery Change cargo comment Move delivery earlier Move delivery later Lock delivery(s) Unlock delivery(s)	Ctrl+Left Ctrl+Right
[S] [A] [A] [A] [A] [A] [A] [A]	Change delivery duration for object "!Albatro Cargo items for delivery Change cargo comment Move delivery earlier Move delivery later Lock delivery(s) Unlock delivery(s) Delete delivery(s)	Ctrl+Left Ctrl+Right

- Show trip invoice: opens a window with a list of goods to be loaded into the truck with their value and the total value of all goods.

- Show trip picking list: opens a window with pallets, products, PHC for the selected vehicle.

- Optimize current trip: optimizes the order of deliveries and shortens the driving distance.

- Invert point order of current trip: changes the order of the selected trip

- Fill up crossdock trip - option for filling, if crossdock trip is selected.

- Check selected: Enable selection selects the specified document

- Uncheck selected: deselects the specified document

- Route solution view: routes the driving view on the map, according to air distances or according to values from the knowledge base, which are previously set.

- Adjust the map cargo for current trip: according to the selected drive centers and marks the object on the map

- Select left cargo for current trip: Indicate other unassigned shipments for delivery points for driving indicates unassigned shipments

- Change delivery duration for object "!Albatros NS – PR.1": allows you to change the duration of delivery and the duration of waiting at the object

- Cargo items for delivery: gives an overview of the shipment items. Items are the type of goods, weight, volume, capacity, quantity, items, value of a shipment and to which object it is delivered.

- Change cargo comment: adds or changes a comment to a specific shipment

- Move delivery early: move the specified delivery to drive earlier

- Move delivery later: move the specified delivery to drive later

- Lock selected delivery(s): locks selected delivery And after that there is no more work with that delivery

- Unlock delivery(s): unlocks delivery, only certain users have this privilege

- Delete selected delivery(s) - unloads the selected goods from the truck

- Delete all deliveries - unloads all goods from the truck

2.3 Driving details

Details of the trip is a window in which you can see a graph showing the occupancy of the cargo space, the order number of the selected document on the trip/number of deliveries on the trip. You can also see the figures related to individual deliveries and the occupancy of the cargo area.

📸 Trips details		<u>23</u>
馬 % 😪 😪 🛍		
	A ↓ 1/4 ► IAlbatros NS - PF 66272/19 LOG (Are 22.0 kg 0.00	[1] 118.0 kg / 10000.0 kg - / - - / 10000.00

At the top of the window is a toolbar with options:

Adjust the map according to the selected route zooms the map so that you can see the entire route and the names of the delivery points to which the truck delivers the goods.

Optimize current driving optimizes the order of deliveries and shortens the driving distance.

View by weight/volume/capacity displays a graph showing data by weight, volume, capacity.

Display of solution statistics opens a window with statistical data summarized for all runs, as well as for individual LDCs.

Common LDC UB #1			
Vehicles used	1	Total cargo	4
Total trips	1	Total objects	4
Total helpers	0	Average cargo per vehicle	4.0
Total kilometers	750.7	Average objects per vehicle	4.0
Average kilometers per ve	hide 750.7	Average cargo per trip	4.0
Average kilometers per tri	p 750.7	Average objects per trip	4.0
Total time	19 h 16 m	Total waiting time	2 h 08 m
Shortest trip time	19 h 16 m	Shortest shift time	19 h 16 n
Longest trip time	19 h 16 m	Longest shift time	19 h 16 n
Average trip time	19 h 16 m	Average shift time	19 h 16 n
Max. simultaneously used	docks 1	Total CO2 emission	396.4 kg
Time windows violation am	ount 0	Mark:	
Total money	10987.41	5402 24	
Total mark / total money .	49.17 %	5402.24	

In the mentioned window, you can see the total number of vehicles used, the total number of trips created, the total number of shipments, as well as the total number of objects, etc. When you click on the LDC card, you can see these data for individual LDCs as well.

If we want to close the specified window, click on the Close option in the lower right corner of the window, or click on the x in the upper left corner of the window.

Options after driving review: right-clicking on an item opens a menu with more options.

R	Show trip invoice	
	Show trip picking list	
500 765	Optimize current trip	
24 24	Invert point order of current trip	
à	Fill up crossdock trip	
	Route solution view	
÷	Adjust map by current trip	
9	Select left cargo for current trip	
6	Change delivery duration for object "!Alb	atros NS - PR.1"
6	Cargo items for delivery	
0	Move delivery earlier	Ctrl+Left
8	Move delivery later	Ctrl+Right
	Lock delivery	
ſ	Unlock delivery	
Ť	Delete delivery	
Í	Delete all deliveries	

- Show trip invoice opens a window with a list of goods to be loaded into the truck with their value and the total value of all goods.

- Show trip picking list opens a window with pallets, products, PHC for the selected vehicle.

- Optimize current trip optimizes the delivery order and shortens the driving distance.
- Invert point order of current trip changes the order of the selected trip
- Fill up crossdock trip option for filling, if crossdock trip is selected.
- Route solution view according to air distances or according to values from the knowledge base, which are previously set.
- Adjust map by current trip according to the selected drive centers and marks the object on the map
- Select left cargo for current trip for delivery points for driving indicates unassigned shipments

- Change delivery duration for object "Albatros NS – PR.1 - allows you to change the duration of delivery and the duration of waiting at the object

- Cargo items for delivery - gives an overview of the shipment items. Items are the type of goods, weight, volume, capacity, quantity, items, value of a shipment and to which object it is delivered.

- Move delivery earlier early switches the specified delivery to drive earlier
- Move delivery later later switches the specified delivery to drive later

- Lock delivery locks the selected delivery and after that there is no more work with that delivery
- Unlocks delivery unlocks delivery, only certain users have this privilege
- Delete deliveries unloads the selected goods from the truck
- Delete all deliveries unloads all goods from the truck

2.4 Trips timeline

The trip timeline is a window in which there is a graphical display of driving in time.

By clicking on one of the rectangles representing the delivery, the delivery location is marked on the map and at the top of the window you can see the expected delivery time and the name of the delivery location.



Right-clicking on a trip opens a menu with more options.

😭 Show trip invoice	
😭 Show trip picking list	
🔏 Optimize current trip	
Notes that the second s	
Fill up crossdock trip	
noute solution view	
📇 Adjust map by current trip	
🔯 Select left cargo for current trip	
Thange delivery duration for object "!A	lbatros NS - PR.1"
😭 Cargo items for delivery	
🗐 Move delivery earlier	Ctrl+Left
😫 Move delivery later	Ctrl+Right
🔒 Lock delivery	
Unlock delivery	
😚 Delete delivery	
\iint Delete all deliveries	

- Show trip invoice - opens a window with a list of goods to be loaded into the truck with their value and the total value of all goods.

- Show trip picking list - opens a window with pallets, products, PHC for the selected vehicle.

- Optimize current trip optimizes the delivery order and shortens the driving distance.
- Invert point order of current trip changes the order of the selected trip.
- Fill up crossdock trip option for filling, if crossdock trip is selected.

- Rout solution view - routes the driving view on the map, according to air distances or according to values from the knowledge base, which are previously set.

- Adjust map by current trip - according to the selected drive centers and marks the object on the map

- Select left cargo for current trip, the drive indicates unassigned shipments

- Change delivery duration for object "!Albatros NS – PR.1" - allows you to change the duration of delivery and the duration of waiting at the object

- Cargo items for delivery - provides an overview of shipment items. Items are the type of goods, weight, volume, capacity, quantity, items, value of a shipment and to which object it is delivered.

- Move delivery earlier move the specified delivery to be driven earlier
- Move delivery later move the specified delivery to drive later
- Lock delivery locks the selected deliveries and after that there is no more work with that delivery
- Unlock delivery unlocks delivery, only certain users have this privilege
- Delete delivery unloads the selected goods from the truck
- Delete all deliveries unloads all goods from the truck

2.5 Cargo

The Cargo window contains a list of unassigned documents. Near the top is a toolbar that contains:

😭 Carg	jo														昪
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Source															^
Di 🗸 🗸	Object 🛆 🗸	Object addre 🗸 Aci 🗸	Object I 🗸	Document 🤍	Cargo t 🗸	Weigł 🧹	Volum 🗸	Сара 🗸	(🗸	Ama 🗸	Iter 🗸	Zone 🗸	(🗸 F	~ 1	
15/04		A	03703001	66025/19	LOG	22 kg	0.000 m3	0.00	EUR	32.00	2		\checkmark	Ô	
15/04		A	03543001	66059/19	LOG	18 kg	0.000 m3	0.00	EUR	12.00	1		\checkmark	6	
15/04		A	02962001	66604/19	LOG	81 kg	0.000 m3	0.00	EUR	140.00	9		\checkmark	Ô	
15/04		A	03101001	66192/19	LOG	34 kg	0.000 m3	0.00	EUR	64.00	5		\checkmark	Ô	
15/04		A	02026001	66200/19	LOG	44 kg	0.000 m3	0.00	EUR	114.00	8		\checkmark	6	
15/04		A	02090002	66157/19	LOG	38 kg	0.000 m3	0.00	EUR	42.00	6		\checkmark	6	
15/04		A	02090002	66184/19	LOG	4 kg	0.000 m3	0.00	EUR	20.00	1		\checkmark	6	
15/04		A	02262001	66329/19	LOG	36 kg	0.000 m3	0.00	EUR	36.00	2		\checkmark	6	
15/04		Α	00747001	66260/19	LOG	61 kg	0.000 m3	0.00	EUR	188.00	13		\checkmark	6	
15/04		A	02279001	66030/19	LOG	37 kg	0.000 m3	0.00	EUR	68.00	8			6	
15/04		A	01844001	66131/19	LOG	69 kg	0.000 m3	0.00	EUR	148.00	8			6	1
15/04		A	03249002	66596/19	LOG	16 kg	0.000 m3	0.00	EUR	32.00	3		\checkmark	6	
15/04		A	02837001	66078/19	LOG	40 kg	0.000 m3	0.00	EUR	70.00	6		\checkmark	6	
	572 / 567					9,056 kg).000 m3	0.00		177.00	3498				~

Cargo search - cargo search by cargo description or object name

Selection of cargo according to conditions - searches cargo according to weight, volume, capacity, number of items for selected subtypes of goods

Adjust Map - Centers and zooms the map for a better view

Include All - selects all documents

Deselect all – deselects all documents

Display of parameters - displays in the Shipments window according to previously defined parameters in the Schedule of columns of the overview of unassigned shipments

Display destination - provides a display in the Shipments window according to the previously defined parameters in the Schedule of columns of the overview of unassigned shipments. Basically, there are data about the code of the object, the place of the object, the address of the object, the time window of the object.

Deployment - opens the Delivery Solution window. Available vehicles are selected for each work shift. Then the number of available drivers and auxiliary workers per shift is entered. By pressing Go, the program automatically arranges deliveries by vehicle according to the given criteria and optimizes their schedule and delivery times.

Search cargo

When we select the option from the toolbar for **Search cargo**, a window opens as shown in the image below.

				_																								
Cargo objec) des t nan	icript ne	tion or											2					S	eard	n car	rgo in		Load	ed		Globa	A
D			h			4h = 4 = = 1 - = = =																						
Urag (umn	neader here to	grou	рру	that column								_														
\sim	\sim	\sim	Document 😾	\sim	\sim	Carg 🗸 🗸	N ~	Vc 🗸	с 🗸	\sim	Α 🗸	\sim	Mi 🗸	Source 🗸	Object 🗸	Object I 🗸	[~	Vehic 🗸	\sim	· ~	\sim	\sim	\sim	Carc 🗸	Com 🗸	\sim	Ca 🗸	N ~
			65992/19	LOG	6	15/04/2019	132 k	0.000	0.00	EUR	216.	16	11,77	LDC UB	Mercato	01391204					0	00:0	00:0				24/04	
			65993/19	LOG	9	15/04/2019	40 kg	0.000	0.00	EUR	50.0	4	2,700	LDC UB	Mercato	01391201					0	00:0	00:0				24/04	
			65994/19	LOG	6	15/04/2019	4,140	0.000	0.00	EUR	6,04	6	347,2	LDC UB	Delhaize	00176071					0	00:0	00:0				24/04	
			65996/19	LOG	6	15/04/2019	119 k	0.000	0.00	EUR	840.0	2	23,63	LDC UB	Europror	00379012					0	00:0	00:0				24/04	
			65997/19	LOG	6	15/04/2019	44 kg	0.000	0.00	EUR	124.0	7	4,665	LDC UB	Mercato	01391161					0	00:0	00:0				24/04	
			65998/19	LOG	9	15/04/2019	138 k	0.000	0.00	EUR	212.0	13	11,53	LDC UB	Mercato	01391003					0	00:0	00:0				24/04	
			66000/19	LOG	1	15/04/2019	86 kg	0.000	0.00	EUR	220.0	11	7,783	LDC UB	Sezam 0	00516001					0	00:0	00:0				24/04	
			66001/19	LOG	0	15/04/2019	38 kg	0.000	0.00	EUR	30.0	3	2,929	LDC UB	Brassil ?a	02324001					0	00:0	00:0				24/04	
			66002/19	LOG	ñ	15/04/2019	62 kg	0.000	0.00	EUR	54.0	5	4,486	LDC UB	D. Eko bi	03631001					0	00:0	00:0				24/04	
			66003/19	LOG	ň	15/04/2019	52 ka	0.000	0.00	EUR	54.0	5	3.635	LDC UB	D.eko bis	03611001					0	00:0	00:0				24/04	
			66005/19	IOG	ň	15/04/2019	86 kg	0.000	0.00	FUR	144.1	8	7.520		Mandora	01909001					0	00:0	00:0				24/04	
			66006/19	IOG	ň	15/04/2019	61 kg	0.000	0.00	FUR	102.0	8	5.387		DA ?a?al	02037001					0	00:0	00:0				24/04	
	-		66007/19	106	Ă	15/04/2019	44 ko	0.000	0.00	FUR	84.0	5	3 266		Mercato	01301268					0	00.0	00.0				24/04	
	-		66008/10	100	$\overset{\frown}{\diamond}$	15/04/2010	73 kg	0.000	0.00	EUD	100.0	0	5 974			02037002					0	00.0	00.0				24/04	
\vdash			66010/19	100	$\frac{1}{2}$	15/04/2019	Eka	0.000	0.00	EUR	12.0	2	3,07-			02037002					0	00.0	00.0				24/04	
\vdash	_		66011/19	100	$\frac{1}{2}$	15/04/2019	3 Kg	0.000	0.00	CUR	12.0	2	015			02037003					0	00:0	00:0				24/04	
	_		00011/19	LOG		15/04/2019	10 Kg	0.000	0.00	EUR	26.0	2	015.4	LDC UB	Fruti Me	01993002					0	00:0	00:0				24/04	
			66015/19	LOG	(1)	15/04/2019	75 kg	0.000	0.00	EUR	100.0	8	6,010	LDC 0B	Fruti Me	01993009					0	00:0	00:0				24/04	

When we enter a document or the name of an object, then click on search (magnifying glass), the requested document and object appear.

🚯 Search cargo				$ \Box$ \times
Cargo description or object name	66015	٩	Search cargo in Load	ed Global
Drag a column header here to				
	(Mt Source Object Object	Image: system Image: s	✓ Com ✓ ✓ Cε ✓ W ✓ 24/04
1	75 kg 0 m3 0.00	0.00 8 10.81		
0.012 sec				

It is possible to search for the specified shipment AND globally (for multiple dates). Click on the tab: Global, then enter the specified document and click on Search (magnifying glass) and the results will appear as in the picture below.
👸 Search	cargo																										\times
Cargo descri object name	ption or NI01									Q		100 days	¢	≯	•		Se	earch	n cargo in		L	.oade	ed		Glot	bal	
Drag a colum																											î
	Z Document	Carç 🗸	\sim	C 7 🗸	٧ ~	Vi 🗸	c 🗸	~	\sim	\sim	M	Source 🗸	Objec	\sim 0	Object 🧹	[~]	Vehid 🗸	\sim	Trip (🗸	\sim	\sim	\sim	Ca 🗸	Cc 🗸	~ (~ .	~
2	NI01/245200017935	LOG	9	14/09/20	71 kç	0.000	0.00	EUF	120.	11	8,11	LDC NIŠ	ZLATN	IIK 5	5 518001		UB-019-P	26	14/09/20	1	14:	14:			13	3/0 1	3/
2	NI01/245200017936	LOG	9	14/09/20	39 k <u>ç</u>	0.000	0.00	EUF	76.0	5	5,14	LDC NIŠ	Bs pro	om (0321000		UB-019-P	26	14/09/20	1	06:	06:			13	3/0 1	3/
2	NI01/245200017937	LOG	9	14/09/20	11 kç	0.000	0.00	EUF	36.0	3	1,718	LDC NIŠ	!Maki-	-Bi C	0432000	Nem	UB-037-C	78	14/09/20	1	14:	14:			13	3/0 1	3/
2	NI01/245200017938	LOG	9	14/09/20	11 kç	0.000	0.00	EUF	110.	1	6,413	LDC NIŠ	BIO - I	ML	5685	Nem	UB-037-C	78	14/09/20	1	10:	10:			13	3/0 1	3/
2	NI01/245200017939	LOG	6	14/09/20	11 kç	0.000	0.00	EUF	26.0	2	2,229	LDC NIŠ	Aman	d O	0243626	Nem	UB-037-C	78	14/09/20	1	10:	10:			13	3/0 1	3/
2	NI01/245200017940	LOG	6	14/09/20	19 kç	0.000	0.00	EUF	52.0	4	2,55	LDC NIŠ	Aman	dı O	0243628	Nem	UB-037-C	78	14/09/20	1	13:	13:			13	3/0 1	3/
2	NI01/245200017941	LOG	9	14/09/20	16 kç	0.000	0.00	EUF	46.0	3	2,13	LDC NIŠ	Aman	dı O	0243628	Nem	UB-037-0	78	14/09/20	1	12:	12:			13	3/0 1	3/
2	NI01/245200017942	LOG	6	14/09/20	18 kç	0.000	0.00	EUF	12.0	2	2,090	LDC NIŠ	Aman	d O	0243626	Nem	UB-037-C	78	14/09/20	1	12:	12:			13	3/0 1	3/
2	NI01/245200017943	LOG	6	14/09/20	47 kç	0.000	0.00	EUF	102.	9	7,98	LDC NIŠ	Aman	d O	0243626	Nem	UB-037-C	78	14/09/20	1	11:	11:			13	3/0 1	3/
2	NI01/245200017944	LOG	6	14/09/20	11 k <u>ç</u>	0.000	0.00	EUF	26.0	2	2,156	LDC NIŠ	Aman	dı O	0243627	Nem	UB-037-C	78	14/09/20	1	11:	11:			13	3/0 1	3/
2	NI01/245200017945	LOG	6	14/09/20	20 kç	0.000	0.00	EUF	32.0	3	3,306	LDC NIŠ	Aman	dı O	0243626	Nem	UB-037-C	78	14/09/20	1	11:	11:			13	3/0 1	3/
2	NI01/245200017946	LOG	6	14/09/20	18 kç	0.000	0.00	EUF	38.0	3	3,793	LDC NIŠ	~HOT	EL 6	5095001		UB-019-P	26	14/09/20	1	13:	13:			13	3/0 1	3/
2	NI01/245200017947	LOG	6	14/09/20	11 kç	0.000	0.00	EUF	26.0	2	2,218	LDC NIŠ	Aman	di O	0243627	Nem	UB-037-C	78	14/09/20	1	11:	11:			13	3/0 1	3/
2	NI01/245200017948	LOG	9	14/09/20	15 kç	0.000	0.00	EUF	46.0	3	2,719	LDC NIŠ	Aman	d O	0243626	Nem	UB-037-C	78	14/09/20	1	09:	10:			13	3/0 1	3/
2	NI01/245200017949	LOG	6	14/09/20	22 kç	0.000	0.00	EUF	32.0	3	2,67	LDC NIŠ	Aman	di O	0243626	Nem	UB-037-C	78	14/09/20	1	09:	09:			13	3/0 1	3/
2	NI01/245200017950	LOG	9	14/09/20	16 kç	0.000	0.00	EUF	46.0	3	2,11	LDC NIŠ	Aman	di O	0243626	Nem	UB-037-C	78	14/09/20	1	11:	11:			13	3/0 1	3/
2	NI01/245200017951	LOG	6	14/09/20	15 ka	0.000	0.00	EUF	38.0	3	3,156	LDC NIŠ	Aman	di O	0243627	Nem	UB-037-C	78	14/09/20	1	09:	09:			13	3/0 1	3/
	88603				4 kg	D m3).00		:13	22	5.34																~
30.371 sec																											_

In the above picture, we can see that the dates of the documents from 14.09.2024. In this case it shows us all the documents starting with NI01 but they are all different documents. Otherwise, one document with a unique document number may appear on more than one date, if the date of the document (shipment) changes or if the delivery for the specified document is not made and the document is returned to unassigned on another date.

In addition, we can set the number of days for which we want to search shipments.

If we want to see the cargo items, right-click on cargo, then Show cargo details.

If we want to export the specified found cargo or cargo, right-click, then Export to Excel.

Conditional select cargo

It is possible to select a shipment according to the parameters of weight, volume, capacity, by selecting the type and subtype of goods.

Conditional select cargo
Select all objects where sum of all cargo is less or equal then (zero if not used) Weight 5 Volume 0.00000 m3 Capacity 0.0000 Items 6
ALL AT LEAST ONE cargo items has the followings cargo subtypes:
Carpo type name A w
Cargo subtype code
Cargo type name : LOG - Logistics
2101
2102
199
Select Cancel

If, for example, we enter the weight: 5 kg and then click on the Selection option, it will show us all objects for which each shipment has a weight less than or equal to 5 kg in the Shipments window.

Dat ⊽ 、 Object △ 、 Object 、 、 Obj 、 Documer 、 Car 、 Weig 、 、 、 、 、 、 、 、 「 ↓ 1 、 □ Source : LDC	Source											
Source : LDC	Dat 🗸 🔽 Object 🛆 🔽	Objec 🗸 🗸	Obj 🗸	Documer 🗸	Car 🗸	Weig 🗸	\sim \sim	\sim	V .	/ /	ر 🗸	F 🗸 I 🗸
	Source : LDC											
15/04/: DA ?a?ak - I KNI?ANIN A 020370 66010/19 LOG 5 kg 0.0 0.0 EUF 12. 2 🗹 🕼	15/04/: DA ?a?ak - I	KNI?ANIN A	020370	66010/19	LOG	5 kg	0.0 0.0) EUF	12.	2		() ()

Show cargo parameters

When we select the Show cargo parameters option in the Shipments window, a window opens as shown in the image below.

😭 Cargo	1											$\frac{\sum K}{p}$
😥 📦 🜉 🛛 🗹	□ 🛃 🖘 🛛 । 📀	Al Solve !										
Source 🛆 🐷												^
Date 🗸 🤜 Object	🛆 👽 Object add 👽	Access	Documen 🤍	c 🗸	Weig 🧹	Voli 🗸	•~	\sim	、 🗸	F 🗸		
15/04/20		А	66456/19	LOG	16 kg	0.000 r	0.00	4	\square			
15/04/20		А	66268/19	LOG	29 kg	0.000 r	0.00	7	\sim		6	
15/04/20		A	66425/19	LOG	82 kg	0.000 r	0.00	11	\square		6	
15/04/20		A	66002/19	LOG	62 kg	0.000 r	0.00	5	\sim		6	
15/04/20		А	66003/19	LOG	52 kg	0.000 r	0.00	5	\sim		6	
15/04/20		A	66004/19	LOG	9 kg	0.000 r	0.00	1	\sim		6	
15/04/20		A	66006/19	LOG	61 kg	0.000 r	0.00	8	\sim		6	
15/04/20	The second s	А	66010/19	LOG	5 kg	0.000 r	0.00	2	\square		60	
15/04/20		А	66008/19	LOG	73 kg	0.000 r	0.00	9	$\overline{}$		6	
15/04/20		A	66093/19	LOG	25 kg	0.000 r	0.00	5	\sim		6	
572 / 1	567				,056 kg	00 m3	.00	198				~

There we can see the object to which the delivery is made, the address of the object, the access of the object, document, type of goods, weight, volume, capacity.

The display of the parameters that will appear in the Cargo window can be defined in the Cargo- Setup cargo view columns.

Show cargo location

When we select the View destination option in the shipment window, a window opens as shown in the image below.

Ę	🔁 Cargo												<u>> 8</u>	
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s	iource 🛆 💽	~											1	·
Da	ate 🗸 🧹	Object		Access	~ 0	bject adc 🧹	Object tov 📐	Documen 🗸	c 🗸	Time wind 🧹	ر	F 🗸 I 🗸	1	
	15/04/20			А			1	66456/19	LOG	08:00-20:00	\leq		1	
	15/04/20			А			2	66268/19	LOG	08:00-20:00	\sim	e C	ī	
	15/04/20	-		А			1	66425/19	LOG	08:00-20:00	\sim	s de la companya de l	I	ŀ
	15/04/20			А			¢	66002/19	LOG	08:00-20:00	\sim	(C)	ī	
	15/04/20		i	А			¢	66003/19	LOG	08:00-20:00	\leq	e C	ī	
	15/04/20		ĩ	А			¢	66004/19	LOG	08:00-20:00	\sim	(Ĉ	ī	
	15/04/20	-		А			1	66006/19	LOG	08:00-20:00	\sim	e de la companya de l	ī	
	15/04/20			А			1	66010/19	LOG	08:00-20:00	\sim	() ()	1	
	15/04/20			А			¢	66008/19	LOG	08:00-20:00	\leq	(C)		
	15/04/20		2	А			1	66093/19	LOG	08:00-20:00	\sim	C C	ī	
	15/04/20		2	А			1	66112/19	LOG	08:00-20:00	\sim	a d		
		572 /	567										~	

There is information about the object, the access of the object, the address of the object, the place where the object is located, as well as the time window of the object (the time of receipt of the object's goods).

The data that will appear in the Cargo window when we click on Show cargo location can be defined in the Cargo-Setup cargo view colums.

Al solve !

At	ego	i	LDC	> >	8	LDC	10,000 k	0.0 m3	10,000	C - Veiko vozi B - Srednje vo	Without ci	1	03:01	20:00	
At	ego	ì	LDC	~		LDC	10,000 k	0.0 m3	10,000	C - Veliko vozi	Without ci	1	03:01	20:00	
At	ego	L.	LDC	~	⇒	LDC	- 10,000 k	¢ 0.0 m3	10,000	B - Srednje vo	Without ci	1	03:01	20:00	
At	ego	ι	LDC	V	⇔	LDC	- 10,000 k	c 0.0 m3	10,000	B - Srednje vo	Without ca	1	03:01	20:00	
At	ego	ų.	LDC	~	⇒	LDC	- 10,000 k	0.0 m3	10,000	B - Srednje vo	Without ci	1	03:01	20:00	
At	ego	t.	LDC	V	=	LDC	3,500 kg	0.0 m3	3,500	B - Srednje vo	Without ca	1	03:01	20:00	
At	ego	L.	LDC	~	=	LDC	55,000 k	\$ 500,000.	55,000	C - Veliko vozi	Without ci	1	03:01	20:00	
At	ego	ι	LDC	V	=	LDC	/ 10,000 k	0.0 m3	10,000	B - Srednje vo	Without ca	1	03:01	20:00	
Sp	rinteri	C.	LDC	V	-	LDC	7,000 kg	500,000.	7,000	A - Bez ograni	Without ca	1	03:01	20:00	
50	rinteri	1	IDC	V	=	IDC .	7.000 km	500.000.	7.000	A - Bez ograni	Without ca	1	03:01	20:00	
		65													12
Adia	ust maximal	amount of	wailable drive	rs an	d we	vicers ner w	ork chifter		1	Load se	lection	1	Save	selection	
Adji	ust maximal	amount of a	available drive	rs an	d wo	rkers per wo	rk shifts:			Load se	ection	(D / 1)	New Save	selection	1990 BER
		4	1 (06-00-2	0-00	100	os available	Used drive	ers new di	o o	New drivers (b	New onvers	(D,C IVE	o o	b, t Used help	er: ivew nei
			1 (00.00-2	0.00			0	-		0	0	-	0	0	

When we select the **Scheduling** option, the Solve deliveries window opens.

Automatic distribution of shipments consists of 3 parts: Selecting vehicles for new trips for each work shift, Selecting the number of available drivers and auxiliary workers per shift, the process of distributing shipments to trips and creating routes when we click on the Go option.

We select vehicles according to the starting warehouses for which we want to do routing. When we select the vehicles we want for, the number of available docks and the number of available drivers per shift for that starting point automatically appear in the second part. If we want, we can change these parameters and increase, for example, the number of available drivers and workers.

When we select the Go option, the process of automatic distribution of shipments begins. At the bottom of the Delivery Solutions window in the header, we can monitor how the deployment process is progressing. The process starts from Dormancy and moves to Main optimization. In the status line of the header at the bottom, we can monitor the percentage the process has reached, and in the lower right corner, we can monitor the time since the start of the deployment process in minutes:seconds.

From the process of Main optimization routine, it is transferred to the process of Saving results.

Then follows the process of Preparation for supplementing for all trips, then Suplementing-which is also the final one, after which we get a display of the Statistics of the automatic deployment solution.

Common LDC #1					
Vehicles used	12	Total cargo	362		
Total trips	12	Total objects	358		
Total helpers	0	Average cargo per vehicle	30.2		
Total kilometers	2486.5	Average objects per vehicle	29.8		
Average kilometers per vehicle	207.2	Average cargo per trip	30.2		
Average kilometers per trip	207.2	Average objects per trip	29.8		
Total time	138 h 58 m	Total waiting time	36 h 47 m		
Shortest trip time	9 h 39 m	Shortest shift time	9 h 39 m		
Longest trip time	12 h 34 m	Longest shift time	12 h 34 n		
Average trip time	11 h 34 m	Average shift time	11 h 07 m		
Max. simultaneously used docks	12	Total CO2 emission	1162.3 kg		
Time windows violation amount	0	Mark			
Total money	2537053.25	43800 75			
Total mark / total money	1.73 %	+3099.73			

In Solution Statistics, when we click on the Common tab, we see data on how many vehicles were used in routing, total number of trips, total auxiliary workers, total kilometers, average kilometers per vehicle, average kilometers per vehicle, average kilometers per trip. In addition, there are data on the total duration of the trip, the duration of the shortest trip, the duration of the longest trip, as well as the average duration of the trip.

We also see data on the maximum number of simultaneously used docks, the number of deliveries outside working hours.

In addition to this data, you can see data on the total number of distributed shipments for that day, total routed objects, average routed shipments per vehicle, average routed objects per vehicle, average shipments per trip, average objects per trip.

You can see data on waiting time, the shortest shift duration, the longest shift duration, as well as the average shift duration.

In addition to this data, we can see the rating data for all trip(s).

All this information can also be seen for individual LDCs, when we click on the LDC tab in Solution Statistics. In this case, click on the Granary #1 tab.

When we close this window by clicking on the Close option, we can see the solution for the automatic distribution of shipments in the driving, shipment and map windows.

In the Trips window we see 12 runs for 12 different vehicles.

When we click, for example, on another run, a list of shipments for the specified run opens in the Run Overview window. When we click on the first document from the list, the specified object (marked with a red circle) to which the shipment is delivered appears on the map.

🚯 ArtAdmin - SkyTrack 4 Logistics	- 🗆 X
File Dictionaries Solutions Cargo Reports Options Help	
➔ Trips 주	Gargo 문
Date: 15/04/2019 🔤 😪 💱 🕼 🎦 🗹 🗆 🖶 🎽 🌺 騺 🌺 📚	🥬 🙀 🧮 🗹 🗆 🔛 🧊 🕗 Al Solve !
V V Vehide A S B A End Limit Obj Km V Grou Model A	Source Au
1 03:01 14:52 20:00 30 178.2 kr Atego Mercedes Atego 3500	
I 03:01 12:40 20:00 30 78.7 km Atego Mercedes Atego 3000 I 03:01 14:54 20:00 20 180 2 km Atego Mercedes Atego 3000 I 03:01 14:54 20:00 20 180 2 km Atego Mercedes Atego 3000	Date V Object Access Object add Object tov Documer C I ime wind V I
✓ I 03:01 14:34 20:00 30 109:3 ki sprinteri Mercedes sprinter 1650 ✓ I 03:01 13:36 20:00 30 213.1 kr Sprinteri Mercedes Sprinter 1650	15/04/20 66095/19 LOG 🗹 🕼
1 03:01 15:31 20:00 29 260.0 kr Atego Mercedes Atego 4200	15/04/20 IAndraš-Bačka Ti 🗛 SVETOG STEF; STARA MORA' 66222/19 LOG 08:00-20:00 🗹 🕼
1 03:01 14:01 20:00 30 165.1 kr Sprinteri Mercedes Sprinter 1650	15/04/20 ITixy-Mirijevo - F A ULOFA PALME MIRIJEVO 66025/19 LOG 08:00-20:00 🗹 🐲
12 03:01 15:35 20:00 358 !487 km	15/04/20 ?ava-Kragujevac A BALJKOVAC NEPOZNATO 66604/19 LOG 08:00-20:00
➡ Trip view #1 卒	15/04/20 Agrotina- ?a?ak · A DRAGISE MISC NEPOZNATO 66030/19 LOG 08:00-20:00 ☑ (2)
3 # Area nai Documen Doc. d Ben End Object name. Object i Weic Volun Cana Item Time wit A	15/04/20 Aleksandar N.Kn A NIKOLE TESLE NEPOZNATO 66078/19 LOG 08:00-20:00
I Area 1 66209/1 15/04/04:2 08:1 pils-t - pils-t 012850 71 kg 0.000 0.00 10 08:00-2	15/04/20 Alex team Baraje A LIPOVAČKI PU BARAJEVO 66233/19 LOG 08:00-20:00 🗹 🕼
2 Area 1 66531/1 15/04/ 08:: 08:: kopal bg - kop 012280/ 53 kc 0.000 0.00 10 08:00-2	15/04/20 Aman doo - PR.1 A BRATSTVA JEL BARAJEVO-ME 66539/19 LOG 08:00-20:00 🗹 🕼
Image: Second state 3 Area 1 66280/1 15/04/ 08:2 08:5 QVATTRO COI 021990 33 kg 0.000 0.00 6 08:00-2	15/04/20 Aman doo - PR.1 A MARŠALA TIT/ MELJAK 66538/19 LOG 08:00-20:00 🗹 🕅
Image: Arrow of the second s	214/213
30 3 kg 0 m3 0.00 178 🗸	
Trips details 꾸	₩ Map view 平
	🄊 🔍 🕰 🙀 🍭 🕅 🍘 🏠 📨 🔛 🧰 🚹 1: 869292 🔍 💙
A ◀ 1/30 ▶ ⊙ 03:	20°0' HoBa TasoBa 20°20' 20°49 21°0 21°0 21°0
pils-t - pils-t, BEOGRAD, 1738.0 kg / 10000.0 kg	Батајница
66209/19 LOG (Area 1) - /- 70.6 kg 0.000 m3 - / 10000.00	Панчево
A ◀ 1/31 ▶ ⓒ 04:	5ee 7. QVATTRO COMPANY d.o DISKONT 21
Zem. Zadruga Trlić - prc 2680.6 kg / 10000.0 kg	5. QVATTRO COMPANY d.o DISKONT 31
73.8 kg 0.000 m3 -/10000.00 V	бац Дііs-t-рііs-t Ковин
漧 Trips timeline 무	KOCIONAL
04:21 - 08:07 (00:07:57) QVATTRO COMPANY d.o DISKONT 40, DOBANOVCI	449а) Обреноваци Обреноваци
	владимирци
	opportent Paba
	Conor
	Коцељева
	A 8.7 km
	Пазареваи Смедеревска Опрел Street Майа
	E 19°46'11.6" N 44°55'53.1" 0.011 sec »
0.0% DB:	22.799 sec 0.057 sec 🔯 Object : pils-t - pils-t

In addition, in the Trip Details window, a 3D graphic appears showing the occupancy of the cargo space of the trip, as well as how much individual shipments occupy the occupancy of the trip.



For the selected shipment, in the Driving Timescale window, we see the planned delivery time marked on the graph (black rectangle in the image below). By clicking on the rectangle that represents the delivery, the place of delivery is marked on the map and at the top of the window you can see the expected delivery time and the name of the place of delivery.

🔊 Trips timeline	푸,
12:04 - 12:14 (00:10:00) Zem. Zadruga Trlić - prod. br. 2,	
	^
	~

Objects and shipments

By selecting the Source option from the drop-down menu, it is possible to select the LDC source, from which we want to see unassigned objects and documents for that date.

Ę	🔁 Cargo	1									$\frac{\sum k}{p}$
5) 🞲 🗸	🗆 🗆 📾	I 😡 🕴	Al Solve !							
s	ource 🛆										^
Da	te 🗸 🧹	Object 🛛 🗸 🗸	Access 🤍	Object add 🗸	Object tov 🗸	Documen 🗸	c 🗸	Time wind 🧹	(🗸 F 🗸	1 🗸	
	Source :	LDC UB									
	15/04/20					66095/19	LOG		\sim	62	
	15/04/20	!Andraš-Bačka To	А	SVETOG STEF/	STARA MORA	66222/19	LOG	08:00-20:00		6	1
	15/04/20	!Tixy-Mirijevo - F	Α	ULOFA PALME	MIRIJEVO	66025/19	LOG	08:00-20:00		6	1
	15/04/20	?ava-Kragujevac	А	BALJKOVAC	NEPOZNATO	66604/19	LOG	08:00-20:00		6	1
	15/04/20	Agrofina- ?a?ak ·	А	DRAGIŠE MIŠC	NEPOZNATO	66030/19	LOG	08:00-20:00		6	1
	15/04/20	Aksentijevi? Kra	А	DRAGOMIRA (NEPOZNATO	66596/19	LOG	08:00-20:00		6	1
	15/04/20	Aleksandar N .Kn	A	NIKOLE TESLE	NEPOZNATO	66078/19	LOG	08:00-20:00		(A)	

When we right-click on a document/object, a menu with several options opens.

😭 Cargo details
Filtering
😭 Change date of cargo
Change source of cargo
Change destination of cargo
🔚 Change cargo parameters
🔯 Change cargo comment
Change cargo sale channel
🛞 Set cargo access time
Remove cargo access time
🍿 Split cargo
🥪 Cargo cross-docking
唱에 Mark as free source
I⇒I Mark as fixed source
🔯 Object properties
left Change object location
🔯 Change object(s) customer type
📚 Change object(s) accessibility
ॡ Change object(s) access time
😿 Set object(s) demands ramp
🗑 Remove object(s) demands ramp
Change delivery duration for object(s)
🗙 Cancel cargo

When we select the Cargo details option, the window below opens.

👩 Car	go deta	ils									\times
Ô		Object Access	!Andraš-Bačka Topola - PR.2 SVETOG STEFANA 49 STARA MORAVICA A				Docume Cargo t Comme Cargo A	ent ype nt AUX code	66222 / LOG	/19	
; 🛆 🔽 L	ink ‡ 🗸	Cargo tyr 🗸	Cargo type	Unit 🗸	Customer 🗸	Serial nun 🗸	Weigh' 🗸	Volume 🧹	Capaci 🗸	Money 🗸	Amoun 🗸
1	0	58427		KOM			2.4 kg	0.000 m3	0.00	544.84	6.000
2	0	57967		KOM			3.6 kg	0.000 m3	0.00	312.50	20.000
3	0	57969		KOM			3.0 kg	0.000 m3	0.00	252.79	6.000
4	0	57966		KOM			18.0 kg	0.000 m3	0.00	1,222.09	12.000
5	0	57965		KOM			12.0 kg	0.000 m3	0.00	853.79	12.000
5							39.0 kg	0.000 m3	0.00	3,186.01	56.000

When we select the Change shipment date option, the window below opens.



There it is possible to transfer the selected shipment (document) to unassigned on another date. By clicking on Ok, we confirm the change we make, and by clicking on Cancel, we cancel the change of date for the shipment.

When we select the Change source of cargo option, the window below opens.

👩 Change sou	irce of cargo	×
	Select source of cargo CHIPS WAY D.O.O.	~
		Ok Cancel

There it is possible to change the source of the shipment (document). By clicking on Ok, we confirm the change we make, and by clicking on Cancel, we give up on changing the source of the shipment.

When we select the **Change destination of cargo** option, the window below opens. When, for example, we enter the name of the object: PLODINE in the search field, a whole list of objects opens to us where we can set the destination of the specified shipment.

By clicking on Ok, we confirm the change of shipment destination if we are 100% sure, otherwise we will click on the Cancel option.

When we select the Change cargo parameters option, the window below opens.

🚱 Change ca	rgo parameters		\times
	Cargo parameters		
	Weight	86.4	
	Volume	0.757 m3	
	Capacity	0.826	
		EUR ~	
			_
		Ok Cancel	

There it is possible to change the weight of the shipment, the volume of the shipment and the capacity of the shipment, as well as the type of capacity unit.

After making the changes, if we click on Ok, the specified changes become visible for the specified shipment in the Shipments window. If we change our mind about the changes for the specified shipment, then click on the Cancel option.

When we select **Change shipment comment**, it is possible to add a comment for the specified shipment.

👩 Change car	go comment	>	<
	Cargo comment		
	test		
		Ok Cancel	

If we click OK, the specified shipment comment will be visible in the Comment column in the shipment window. If you change your mind about adding a comment, then click Cancel.

Ę	🈭 Cargo 주												28	
🧭 🞲 💹 🖾 🎲 🔹 📀 Al Solve !														
5												^		
	\sim	Objec 🛆 🤍	Object i 🧹	\sim	Docun 🗸	Carc 🗸	We 🗸	Vol 🗸	Ci 🗸	It 🗸	Comme 🔍	(🧹 F	~ I~	ī
	14/	~TRIOFLE	BULEVAR A	А	20056150	GTF	24 kg	0.044	0.04	4			() ()	i l
	14/	3M 10	MIHAILA PL	DS	99281677	GJA	8 kg	0.094	0.05	9	1	\square	() ()	
	14/	3M 11	BULEVAR Z	DS	99281672	GCO	7 kg	0.047	0.01	11	1		(i)	i l
	14/	AMAN 267	STRUGARSI	С	20056160	GBA	19 kg	0.062	0.09	5	test		() ()	
	14/	AROMA 74	RAVANIČK/	С	20056151	GDO	38 kg	0.181	0.12	11		\square	() ()	
	14/	INTERCAFF	VODOVODS	в	99281674	GMA	292 kg	1.843	1.12	4		\square	() ()	
	14/	LUKOIL 53	DŽONA KEN	в	99281674	GCP	10 kg	0.118	0.06	6		\square	() ()	
	14/	MAXI 144	MAJKA JUG	в	20056151	GPD	2 kg	0.384	0.03	1		\square	() ()	
	14/	MAXI 261	KRALJA PET	в	99247007	GOS	4 kg	0.346	0.02	1	ſ	\square	() ()	i l
	14/	MAXI 786 :	DUBROVAČ	в	20056151	GPD	2 kg	0.384	0.03	1		\square	() ()	
	14/	MAXT 786 1	DUBROVAČ	в	20056151	GPD	2 ka	0.384	0.03	1			e Co	L
		23 / 22					€26 kg	25 m3	4.14	190				~

When we select Set cargo access time, the window below opens.

👸 Set cargo acc	ess time			×
	argo access time 08:00	- -	16:00	•
			Ok	Cancel

There it is possible to change the time of receipt of goods. If we click on Ok after the change, the change will be visible when we click on Display destination in the toolbar of the Shipments window.

Ę	🔁 Ca	rgo											푸
1	🔎 🙀 💹 🗌 🗠 ன 🚮 🛛 💽 Al Solve !												
s	Source \triangle												^
7	~	Object 🛛 🗸 🗸	Ac 🗸	Object addr 🗸	Object towr 🗸	Documen' 🗸	Cargo t 🗸	Time v	vind 🗸	ر ب	F 🗸	I 🗸	
	14/0	~TRIOFLEX DC	Α	BULEVAR ARSE	BEOGRAD-VRA	2005615099	GTF	06:00	21:00	\square		0	
	14/0	3M 10	DS	MIHAILA PUPIN	BEOGRAD	9928167755	GJA	06:00	21:00	\checkmark		6	
	14/0	3M 11	DS	BULEVAR ZORA	NOVI BEOGRAE	9928167206	GCO	06:06	21:00	\checkmark		0	
	14/0	AMAN 267	С	STRUGARSKA 1	BEOGRAD	2005616079	GBA	08:00	-16:00	\square		6	
	14/0	AROMA 74 DO	С	RAVANIČKA 31	BEOGRAD	2005615132	GDO	06:00	-21:00	\leq		6	
	14/0	INTERCAFFE DO	В	VODOVODSKA	BEOGRAD - ČUI	9928167495	GMA	06:00	-09:00	\checkmark		6	
	14/0	LUKOIL 5381-F	В	DŽONA KENEDI	BEOGRAD - NO	9928167489	GCP	06:00	-21:00	\checkmark		6	
							1	1					

When we select the option **Remove cargo acces time**, the goods receipt time is returned to the one that was originally set. The change will be visible when we click on View destination in the toolbar of the Shipments window.

Ę	🈭 Cargo 푸												
😥 🞲 💹 🛛 🗠 😭 😧 🚱 🛛 🕑 Al Solve !													
s	Source A 💭											^	
7	7 🗸	Object 🛛 🗸 🗸	Ac 🗸	Object addr 🗸	Object towr 🗸	Document 🗸	Cargo t 🗸	Time	wind: 🗸	ر ب	F 🗸	∟ ا	
	14/0	~TRIOFLEX DC	Α	BULEVAR ARSE	BEOGRAD-VRA	2005615099	GTF	06:00	-21:00	\checkmark		٢	
	14/0	3M 10	DS	MIHAILA PUPIN	BEOGRAD	9928167755	GJA	06:00	-21:00	\checkmark		0	
	14/0	3M 11	DS	BULEVAR ZORA	NOVI BEOGRAE	9928167206	GCO	06:6	21:00	\sim		٢	
	14/0	AMAN 267	С	STRUGARSKA 1	BEOGRAD	2005616079	GBA	06:00	0-21:00			۲	
	14/0	AROMA 74 DO	С	RAVANIČKA 31	BEOGRAD	2005615132	GDO	06:00	0-21:00	\checkmark		٢	
	14/0	INTERCAFFE DO	В	VODOVODSKA	BEOGRAD - ČUI	9928167495	GMA	06:00	0-09:00	\sim		٢	
	14/0	LUKOIL 5381-F	В	DŽONA KENEDI	BEOGRAD - NO	9928167489	GCP	06:00	0-21:00	\checkmark		٢	

When we select the Split cargo option, the window below opens.

👸 Split cargo					\times
Ô	Original cargo parameters Weight Volume Capacity	39.0 kg 0.000 m3 0.000 EUR			
First cargo par	ameters		Second cargo p	parameters	50.00 %
Weight	19.5 kg		Weight	19.5 k	g
Volume	0.000 m3		Volume	0.000 n	n3
Capacity	0.000		Capacity	0.000)
First cargo	Cargo barcode	Δ	Cargo area unit	Warehouse name	Second cargo
				Ok	Cancel

We have a defined weight of 39kg for this shipment. It is possible to make 2 shipments from it, by distributing the weight by moving the slider to the left or right, or by manually entering the weight in the fields for the first shipment and for the second shipment.

😭 Split cargo					>
	Original cargo parameters Weight Volume Capacity	39.0 kg 0.000 m3 0.000 EUF	5		
F ire b			a contractor		59.00 %
First cargo para	meters		Second cargo p	barameters	
Weight	23.0 kg		Weight	16.0	kg
Volume	0.000 m3		Volume	0.000	m3
Capacity	0.000		Capacity	0.00	0
First cargo	Cargo barcode	Δ	Cargo area unit	Warehouse name	Second cargo
				Ok	Cancel

If we click on Ok after the change, the change will be clearly visible when we click on Show cargo parameters in the toolbar of the Cargo window. If we click on Cancel, we abandon the specified changes.

When we select the Cross-docking LDC option, the window below opens.

🚯 Cargo cross-do	ocking		\times
	Select cross-docking LDC LDC NIŠ		~
		Ok	Cancel

From the drop-down list, it is possible to select the cross-docking LDC for the specified shipment. When we click on Ok the change will be saved. If we click on Cancel, we abandon the specified changes.

When we select the **Mark as Free source** option, a free source is added, which becomes visible when clicking on Display parameters and Display destination, in the Shipments window.

When we select the **Mark as Fixed source** option, the fixed source ceases to be visible when clicking Show cargo parameters and Show cargo location, in the Cargo window.

Object properties

When we select the **Object properties** option, the Object Properties window opens. By default, the **Object properties** tab is displayed.

Leonida NS - PR.1						
Specific worktime		Delivery option	ns	SkyTrack™	Commercial	
Object properties		Object GI	IS	SkyTrack*	SkyTrack™ Logistics	
Object properties						
Group				~	Groups	
Visualization		Position				
	— …	🖂 Objec	t is active			
Cobiect	~	Size		50 meters		
		Desite			'FR 0"	
		Position	E 19°	42 9.6 N 45°24	53.9	
Description						
Link						
Obtant's serve						
Object's zone						

Object settings

On the Object Settings tab, we can make object settings, set the object display and location, enter a description for the specified object, enter a link, assign a certain zone to the object, associate a certain driver with the object.

Object settings

In this section, it is possible to select the object group it belongs to from the drop-down list. By clicking on the Groups option in the right part, the Edit Groups window can be opened.

Object	properties	
Group	Groups	
Edit gro	Object	
2	Aleksandar Stojković Dejan Brankovic	
-		
		~
1	Ins - Insert new group Input Color F2 - Edit selected group Output Ok Ok	Cancel

In this section, it is possible to add a new group of objects by clicking Ins from the keyboard. By clicking on F2, it is possible to change the previously selected (selected) group. By clicking Del from the keyboard, it is possible to delete the previously selected (selected) group - if we are 100% sure.

In addition, for the selected group, it is possible to set whether it is input or output, or both, by clicking on these options. It is possible to adjust the color by choosing from the drop-down list of colors or by adding a new one by clicking on the three dots.

If we want to save the changes we made, click on the Ok option, and if we don't, click on Cancel.

Display

In this section, it is possible to change the color of the object's display, the icon symbolizing the object.

Visualization	Position					
	Object is active					
object 🗸 🗸	Size 50 meters					
	Position	E 21°16'23.0" N 44°26'18.8"	•			

Location

In this section, it is possible to set whether the specified object is active or not. It is possible to set the radius of the object size in meters. In addition, in the Location field we see the object's geocoordinates.

If we want to change the geocoordinates of the object, click on the option with three points - the window below opens.

👸 Edit coordinate	\times
Longtitude (X)	21.2730655670166
Latitude (Y)	44.4385719299316
⊖ Full	Ok Cancel

Edit coordinate - Geocoordinates for objects can be found on Google Maps, if we know the address for that object or the exact name of the object. When we find the geocoordinates for the object, we can enter it in the specified Longitude (X) and Latitude (Y) fields.

By clicking on Ok, we confirm the given entry of geocoordinates and they become visible in the Location field. If we still give up on entering the geocoordinates, then click on Cancel.

Description

In the description section, we can enter any description for the specified object.

Description
BJELOVAR-DARUVAR

Connection

Link

In the links section, it is possible to enter a link to an object, web page, etc.

BJELOVAR

Zone of the object

In this section, it is possible to assign a certain zone to the selected object.

Object belongs to driver

In this section, it is possible to associate a specific driver for the specified object.

Object belongs to driver	

When we click on the three dots, the window below opens.

😭 Object drivers				\times
	Object : !Ti	xy-Mirijevo - PR.1		
Main 😒	Driver's name	△ 💭 From	Till	\sim
🗂 New (Ins)				
Edit (Ctrl+Enter)				
Tolete (Ctrl+Del)				
	1			
	0			
			Ok	Cancel

When we click on the New option in the upper left corner of the window Drivers attached to the object, the window below opens.

🚱 Object drivers		\times
	Object : !Tixy-Mirijevo - PR.1	
Object drivers Object drivers Main	Object : !Tixy-Mirijevo - PR.1 Driver's name Zoran Vukas From 01/09/2024 ~ Till 30/09/2024 ~	×
		Ok Cancel

From the drop-down list, it is possible to select the driver we want to associate with the specified object. In addition, it is possible to select the period from when the driver is attached to the specified object, to when he is attached to the specified object.

If we click on OK, we associate the driver with the specified object in the period for which we have selected - the window below. If we click on Cancel, we abandon the changes.

😝 Object drivers						\times
	Object : !Ti	xy-Mirijevo - PR.1				
Main 🛞	Driver's name		From	\sim	Till	\sim
	Zoran Vukas		01/09/2024		30/09/	/2024
New (Ins)						
Edit (Ctrl+Enter)						
🎦 Delete (Ctrl+Del)						
	1					
	1		r			
					Ok	Cancel

In a similar way, we can add more drivers to the same object by clicking New in the upper left corner of the window. If we want to make changes for the added driver, click on the Change option. If we want to delete the association of a specific driver - select the driver and click on the Delete option.

If we are sure about joining one driver/several drivers to the specified object, click on Ok and the window below will open. If not, click on the Cancel option and none of the above changes will be visible.

Object belongs to driver	Zoran Vukas (01/09/2024 - 30/09/2024)			
		Ok	Cancel	

When we repeat Ok the specified driver will be associated with the specified object. If not, click on Cancel and the specified changes will not be saved.

Object GIS

When we click on the Object GIS system tab, the window below opens.

Happy day-veliki bor	- RADNJA	BR. 1			
Specific worktime	2	Delivery	options	Sk	yTrack™ Commercial
Object proper	ties	Obje	ect GIS	s	kyTrack™ Logistics
Object GIS					
Object GIS ID			Object GLN		Object country
0167	7001				
Object town			Object telep	phone	
NEPOZNATO					
Object address			House numb	ber	PTT
KOSMAJSKIH PARTIZ	ANA 2				
Object contract CIC ID					
Object partner GIS ID	,		Object	CINI	Object contract count
				HEI GLIN	
Object partner name			Object part	ner town	
Object partner addres	s		Partner PT	г	
Object identification nu	umber		Object MB r	number	

The GIS system tab usually contains data imported from the client's business system.

There is data on the object's external code, the place to which the object belongs, the object's address, data for the postal code.

Based on the data on the address of the object, the place to which the object belongs and the postal code, the name of the object is possible

geolocate the object more precisely when this data is entered into Google Maps and the object is found. When we zoom in on the specified object, then right-click on the displayed object (red bubble) on the map - the geocoordinates of the object are visible.



The obtained geocoordinates can then be entered in Logistics in the Location field on the Object Settings tab, according to the instructions previously described.

Logistics

When we select the Logistics option, the window below opens.

Object name					
Happy day-veliki t	or - RADNJA B	R. 1			
Specific workt	time	Delivery o	ptions	SkyT	rack Commercial
Object prop	perties	Obje	ct GIS	Sky	/Track™ Logistics
Logistics properties	5				
Object customer ty	pe		Delivery dur	ation De	livery waiting dura
PSR		~	00:10:0	•	00:00:00
Object belongs to L	DC		I otal delive	ry duration	
LDC		~	Object de	mands ramp	
Object accessibility			Object comple	exity Side	of the oneway roa
A - Laka dostupnos	st objekta	~	0	~ <	• 😮 🔶
Object priority (high	ner value - higher	priority)			
	5	-			
Object delivery time	-				
01. Osnovno (NE E	BRISATI)				
Monday	08:00 - 20:00	•			
Tuesday	08:00 - 20:00				
Thursday	08:00 - 20:00				
Friday	08:00 - 20:00	•			
Saturday	08:00 - 20:00				

SkyTrack Logistics settings

Object is LDC - if we check this option, the specified object becomes a Logical Distribution Center (LDC).

Object customer type - it is possible to select the type of customer from the drop-down list. If we click on the three points in the extension, the customer type code book opens.

👩 Object customer type						\times
Main 🛞	Drag a column hea	der here to group l	by that column			
🔁 New (Ins)	Customer type	🛆 😾 Custome	r type description	\sim	Minimal total money for delivery	\sim
💾 Edit (Ctrl+Enter)	КАМ				0.00	
Toelete (Ctrl+Del)	OST				0.00	
	PSR				0.00	
					Clo	se

If we click on the New option in the upper left corner of the window, it is possible to add a new customer type, which we can later set as the customer type for the specified object. If we click on Change, it is possible to change the parameters for the specified type of customer. We will click on the Delete option only if we are sure that we want to delete the specified customer type.

Delivery duration

Here you can set how long it takes us to deliver the specified object. Usually this time is in minutes.

Delivery waiting duration

The waiting time at the object can be set here.

Object belongs to LDC

From the drop-down list, it is possible to choose which LDC the object belongs to. **The object requires a vehicle with a loading ramp**

If we check this option, only a vehicle with a loading ramp will be able to deliver to the object.

Object accessibility

From the drop-down list, it is possible to select one of the defined availability for the specified object. If you click on the three points in the extension, the previously described object accessibility code opens. In it, it is possible to add new availability of the object if there is a need for it, change the parameters of the existing availability and delete a certain availability of the object if we are 100% sure.

Object complexity

From the drop-down list, it is possible to select a number from 0 to 10, which represents the complexity of the specified object.

Side of a one-way road

Here we can choose which side of the one-way road the object is located on. The arrow to the left indicates that it is on the left side, the arrow to the right indicates that it is on the right side, and the red circle I inside the x indicates that it is not on either side.

Object priority

In this field, it is possible to enter a number representing the priority of the object. If the value is higher, the priority of the object is higher.

Object delivery time

It is possible to select previously defined working hours from the drop-down list.

Dbject delivery time				
E BRISATI)	~ 			
08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00				
	ime E BRISATI) 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00 08:00 - 20:00			

If we click on the three points in the extension, the Object delivery time name of the object below, which was previously described in the **Dictionaries section**, opens.



By selecting the New option, it is possible to add a new goods receipt time with the associated schedule of goods receipt times by day of the week. By selecting the Change option, it is possible to change the parameters of the selected name of the time of receipt of goods. Deleting a certain time of receipt of goods is best not to do unless we are 100% sure.

After all the changes we make on the **Logistics** tab, if we click on Ok, the changes will be saved. If we click on Cancel, we abandon the changes made.

Specific worktime

When we select the Special time of goods receipt tab, the window below opens.

Happy day-vel	iki bor - RADNJ	IA BR. 1				
Object	properties	0	bject GIS		SkyTrack™L	ogistics
Specific w	vorktime	Deliver	y options	s	kyTrack™ Co	ommercial
Specific workti	me by cargo type					
Cargo type	LOG - Lo	gistics				
Monday						
Tuesday -						+
Wednesday -						+
Thursday -						t
Saturday -						1
Sunday -						+
4 L						
	02.00 04.00	08.00 08.0	0 10.00 12.00	14.00 18.0	0 18.00 20	.00 22.0
Tuesday						
Wednesday						
Friday						
Sunday						

From the drop-down list, it is possible to select the type of goods for which we want to set a special time for receiving the goods.

For example, as in this case, we can choose LOG - Logistics.

Object name Albatros NS - P	F2. 3.					
Object p Specific wa	properties prktime	Deliver	oject GIS 7 options	S	kyTrack™ Logi yTrack™ Comn	stics hercial
Cargo type	LOG - LO	gistics				
Monday Tuesday - Wednesday - Thursday - Friday - Saturday - Sunday -	02.00.04.00		livery time	14.00.15.00	18.00.20.00	22:00
Monday Tuesday Wednesday Thursday Friday Saturday Sunday						

When we right-click on the diagram in the plane of the day for which we want to set the time of receipt of goods, then on Add delivery time, the window below opens.

👩 Delivery time				\times
	Mone	day		
Start time		End time	3:00	-
		Ok		Cancel

When we click on Ok, the specified time of receipt of goods according to the type of goods for the selected day becomes visible on graph I in the schedule of time of receipt of goods for that day.

Cargo type	LOG - Logistics v	-
Monday		-
Tuesday -		-
Wednesday		-
Thursday -		-
Friday -		-
Saturday -		-
Sunday -		-
Monday Tuesday Wednesday Thursday Friday Saturday Sunday	e8:ee - 13:ee	
	Ok Canc	:el

In the same way, we can add the time of receipt of goods for other days of the week.

If we are sure about the changes made on the Special receipt of goods card, click OK, otherwise click Cancel.

Delivery options

When we select the Delivery options tab, the window below opens.

Albatros NS - PR.1		
Object properties	Object GIS	SkyTrack [™] Logistics
Specific worktime	Delivery options	SkyTrack™ Commercia
Delivery notification		
SMS number	E-mail addr	ess
Delivery ETA notification		
Generate delivery ETA notif	fications	
Send delivery ETA notification	on by SMS	
	-	
Send delivery ETA notification	on by e-mail	
Send delivery ETA notification	on by e-mail	
Send delivery ETA notification	on by e-mail	e delivery pote
Send delivery ETA notification Delivery options Delivery note	on by e-mail	e delivery note
Send delivery ETA notification Delivery options Delivery note Required signature at delivery	on by e-mail Do not use	a delivery note
Send delivery ETA notification Delivery options Delivery note Required signature at deliver Required documentation affi	Do not use ery ter delivery	e delivery note
Send delivery ETA notification Delivery options Delivery note Required signature at delive Required documentation aff Delivery PIN code (empty to disc	Do not use ery ter delivery able)	e delivery note
Send delivery ETA notification Delivery options Delivery note Required signature at delive Required documentation aff Delivery PIN code (empty to disc	Do not use ery ter delivery able)	e delivery note Generate new PIN
Send delivery ETA notification Delivery options Delivery note Required signature at delive Required documentation aff Delivery PIN code (empty to disc	Do not use ery ter delivery able)	Generate new PIN

Delivery notification

Generate information about the estimated delivery arrival time - by checking this option, we enable the generation of information about the planned delivery arrival time

Notify by sending an SMS to a number - by checking this option, we include sending a notification to the number, which can be entered in the field in the extension on the right.

Notify sending an e-mail message to the address - by checking this option, we enable the sending of notifications to the e-mail address, which can be entered in the field in the extension on the right.

Delivery options

Work with delivery notes

From the drop-down list, it is possible to choose whether delivery notes are used or not.

Signature required upon delivery - checking this option requires a signature upon delivery Request to send documentation after delivery - checking this option requires sending documentation after delivery

Shipping pin

It is possible to enter the delivery pin code in the Delivery pin code field. If it is disabled, the field is left blank.

If we want to save any changes made on the **Object Notification** tab, click on Ok, if we want to cancel the changes made, click on Cancel.

Commercial

When we select the Commercial option, the window below opens.

Albat	name tros NS -	PR.1			
	Object	t properties	Obje	ct GIS	SkyTrack™ Logistics
	Specific v	vorktime	Delivery o	ptions	SkyTrack™ Commercial
Con	nmercial pr	operties			
Obje	ect commer	rcial accessibility			
A -	Osnovna v	vrsta dostupnosti			~
C	ommercial p	position			
Size	e [50	0 meters		
Ber	nition	E 10946'E0	0" N 45914'59	<"	Get from main position
Pos	sition	E 19°46'50.	0" N 45°14'58.	6"	Get from main position
Pos	sition	E 19°46'50.	.0" N 45°14'58.	6" [Get from main position
Pos	sition	E 19°46'50.	0" N 45°14'58.	6"	Get from main position
Pos	sition	E 19°46'50.	0" N 45°14'58.	6"	Get from main position
Pos	sition	E 19°46'50.	.0" N 45°14'58.	6 "	Get from main position
Pos	sition	E 19°46'50.	.0" N 45°14'58.	6" [Get from main position
Pos	sition	E 19°46'50.	.0" N 45°14'58.	6"	Get from main position
Pos	sition	E 19°46'50.	0" N 45°14'58.	6 " [Get from main position
Pot	sition	E 19°46'50.	0" N 45°14'58.	6 " [Get from main position
Pos	sition	E 19°46'50.	0" N 45°14'58.	6" [Get from main position
Pos	sition	E 19°46'50.	0" N 45°14'58.	6" [Get from main position

Commercial properties

Edit object

Object commercial accessibility

From the drop-down list, it is possible to select one of the previously defined object availability for the commercial. If we click on the three dots in the extension, the window below opens.



Here we see that there is already a defined Basic availability type for commercial, whose availability code is A.

If we want to add a new type of availability for the commercial, click on the New option in the upper left corner of the window. If we want to change the parameters of the specified availability, click on the Change option. Deleting a certain type of availability is best not done unless we are 100% sure.

Location for commercial

50 met	ers 45°14'58.6"	 Get fr	om main pos	sition
E 19°46'50.0" N	45°14'58.6"	 Get fr	om main pos	sition
				Ok

Size

The radius of the size of the object in meters is entered in this field.

Position

In this field, the object's geocoordinates are displayed. If we click on the three points in the extension, it is possible to manually enter the geocoordinates of the object.

We prefer the **Get from Main postition** option. When we click on this option, the object's geocoordinates appear in the Postition field.

Position	E 19°46'50.0" N 45°14'58.6"	 Get from main position	

By clicking on Ok, the changes made on the Commercial tab will be saved. If we want to abandon the changes made, click Cancel.

Change the location of the object

When we select the option Change the location of the object, the window below opens.



If we are sure, we click on the Yes option, and if we are not, on No.

Change object(s) customer type

When we select the option Change the type of buyer of objects, the window below opens.



From the drop-down list, it is possible to select the type of customer for the specified object.

Change object(s) accessibility

When we select this option, the window below opens.



From the drop-down list, it is possible to select the availability of the object for the specified object.

Change object(s) access time

When we select this option, the window below opens.

👸 Set objec	t(s) access time			\times
Access time	2			
	Select object(s)	access time:		
	01. Osnovno	(NE BRISATI)		\sim
	Monday	08:00 - 20:00		
	Tuesday	08:00 - 20:00		
	Wednesday	08:00 - 20:00		
	Thursday	08:00 - 20:00		
	Friday	08:00 - 20:00		
	Saturday	08:00 - 20:00		
	Sunday	08:00 - 20:00		
			Ok	Cancel

From the drop-down list, it is possible to select the time of receipt of goods for the specified object.

Set object(s) demands ramp

By selecting this option, a vehicle with a loading ramp is required for the specified object.

Removed object(s) demands ramp

Selecting this option removes the need for a vehicle with a loading ramp for the specified object.

Change delivery duration for object(s)

Selecting this option opens the window below.

👸 Set objec	t delivery duration	\times
Delivery du	ration	
	!Albatros NS - PR.1	
	Total delivery duration	00:10:00
	Delivery waiting duration	00:00:00
		Ok Cancel

It is possible to set the total duration of delivery at the specified object, as well as the duration of waiting at the object.

Cancel delivery

If we select the specified option, the specified cargo will no longer appear in the list of Unassigned cargo.

2.6 Map view

The map view shows the routes we select and the delivery points of unassigned shipments.

🗿 ArtAdmin - SkyTrack 4 Logistics	- 🗆 X
File Dictionaries Solutions Cargo Reports Options Help	
) Trips 平	Grago 平
Date: 15/04/2019	🕼 🕅 📃 🖂 🏫 🕟 Al Solve !
Image: Second	
Construction of the second secon	V Objec △ Object ↓ Docum Carg We Vol Ci It Commer V ↓ Iv
2 03:01 13:19 20:00 3 284 km	13/ Eurosop Piz VOJVODE P A 66479/19 LOG 52 kg 0.000 0.00 7 V G
	15/ Ewas-Bajm JNA 38 A 66156/19 LOG 225 kg 0.000 i 0.00 2
The second secon	15/ Family Pinc JAROSLAV/ A 66040/19 LOG 31 kg 0.000 i 0.00 5 Image: Comparison of the second se
# Area 1 66480/ 15/0≤04; 08: Fortezza B 020150 21 k 0.00(0.00 4 08:00-2	15/ Fortezza Be MRAKOVI?K A 66478/19 LOG 20 kg 0.000 1 0.00 5
Image: Second	574 / 569)32 kg 00 m3 0.00 3513 v
3 1kg Jm3 J.00 8 🗸	
Tring details	A TRANSPORT
😸 🧏 🔽 🖓 🖓 📲	
-1-	Slavonski 43 Caraș Severin
	45° Gorj Corj
Fortezza Bg - PR 180.6 kg / 23000.0 kg	ta Doboj 1. Fortezza Bg - PR.5 Turnu Udagu Udagu Severin
66480/19 LOG (Are - / -	Тиzia
To Trips timeline 4	na i Hercegovina / Mehedinti Cra
04:17 - 08:04 (00:04:36) Fortezza Bg - PR.5, NEPOZNATO	Босна и Ваљево
	44° CDCCa 2. Altina team - Čačak - PR.1 Bunny
	о Sarajevo Краљево
	A 35.1 km Крушевац
3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 11:00 12:00 13:00	Mostar © Open Street Map
	🔣 🛞 🛞 K E 17°31' 3.9" N 43°59'54.0"
0.0%	DB: 25.648 sec 0.026 sec 🗞 Object : Fortezza Bg - PR.5

The map view contains a standard toolbar for working with the map.



When we select this option, we have the possibility to move the map left, right, up and down. We do this by clicking on the map and holding the click, then moving the map in the direction we want. When we move it where we want, release the mouse click.





Zoom - zooms in on a specific object on the map



When we select this option, a magnifying glass appears, with which when we select a certain part of the map, or certain objects, they are zoomed.







When we select this option, a tool appears, with which when we click with the left mouse button on the first object on the map, then we move the tool to the second object and the distance in kilometers is shown.



If we then want to see the distance to the third object on the map, left-click on the second object and move the tool to the third object - where the distance from the first to the third object appears in kilometers.



Show information - displays information about a specific object



When we select this option, a yellow question mark appears, which when placed on an object or several, shows us information about that object or several.



Zoom - zooms in on the map





Add rectangle selection area - selects the area where we mark with a rectangle



When we select this option, a tool appears in the form of a rectangle, which when we move it on the map, the selection area appears.



When we disable adding the selection area for unassigned shipments/objects, data on weight, volume, and capacity appear at the bottom of the Shipments window. These data can be for one shipment/object or aggregate data for several of them, depending on how many are selected on the map.



Add circle selection area - selects the area where we mark with a circle



When we select this option, a tool appears in the form of a circle, which when we move it on the map, the selection area appears.

877 Q 🚉 🚰 Q Q 100 🚳 🚳 100 103 11 9	12579 🔛 💭 Open street map
TERONIA LAKO	KTC D.D. P. 77 - RC - KRAPINA - KRAPINA
Roge CO	TROOCENTAR D.D SUPERCENTAR 100 - SVETI KRIZ Z
Singer Senevo	S PLODNE D.D SUPERMARKET - ZABOK - ZABOK
Adarra Kristo	A TROOSTE TO D Zeinni A BONIA BISTRA
Tretation Problem Control 14	AVRANOVIC DO O - P - 118 - ZAPRESIC
A 9.1 Kellever mesto proce sameb	2 BA-COM TROOVINAD.O.O BA-COM TROOVINA/ROBUS
Zimberek Somotorsko	© Opén Street Map

Add zone selection area - gives the possibility to add and select a zone on the map



When we select this option, the tool for drawing the zone on the map appears.

	B X IS I: SAS402 V Den street map
A S S S	B. TROCENTAR D.D SUPERCENTAR 100 - SVETI KRIŽ ZAČRETJE
2 Senovo	5. PLODINE D.D SUPERMARKET - ZABOK - ZABOK
Krško	4. TRGOSTL T.D.D CENTRALNO SKLADIŠTE - DONJA STUBICA Sveti Ivan
Dealite C	A 3. TRGOSTIL T D.D P - 160 - DONJA BISTRA 16. GAVRANOVIĆ D. O. O P - 118 - ZAPREŠIĆ S 16. GAVRANOVIĆ D. O P - 118 - ZAPREŠIĆ S
Sentjernej Samobo	2. BA-COM TROOVINA D.O.O BA-COM TROOVINA/ROBUS ALTE JDOO/-
▲ 8.5 km ^e 2umberak Samoborska	Cazma

We move this tool to the place where we want the first point of the zone to be. Then we move the tool to the second point - where we left-click and the point is set, then the same to the third point of the zone. That's how we draw the zone.

Remove Selection Area - Removes specific selection areas on the map



When we select this option, the image below appears, in which there is neither a circle as a selection area nor a zone.

🥐 🔍 🏥 🌠 🔍 🍳 🔚 🍘 🍘 📾 🔤 1 : 849723 🔤 🞉 Open street map
Lesko Koprivnica
Kozie
Senovo
Krško Prosta 4. TRGOSTE T.D.D CENTRALNO SKLADIŠTE - DONJA STUBICA
Brežiče Bielovar 16. GAVRANOVIČ D.O.O. – P – 160 – DONJA BISTRA 16. GAVRANOVIČ D.O.O. – P – 118 – ZAPREŠIČ K Bjelovar
Sentiernej
Zumberek Zumberek Cazme Open Street Maj
🔣 🖄 🐨 💰 E 15°25'49.0" N 46° 6'47.6" 0.014 sec 1 : 849723

Show trip(s) in selected area - shows trip(s) in certain areas that we have selected



When we select this option, a trip for the selected area is selected.

Map scale - gives the option to select the scale of the map.



When we select this option, we have the possibility to change the scale of the map.





Select map - gives the option to select a map



Currently, the Open Street map was selected, if we want, we can also select the **Vector map** from the drop-down list.



In addition to the tools mentioned at the bottom of the Map View window, there is the following toolbar.



Search

When we select this option, the window below opens. When we enter the name of the object and click search, it finds the object we are looking for.

Ki Search			\times
💫 Search for :	Object name	Object type	
Map objects 🛇 Address			
Search for objects named:			
MARUN PROMET			
Search now Stop search			
Search options			
In current region			
C Whole world search			
Advanced			
All			
			
Case insensitive			
		0	object(s)

When we double-click on it in the right part of the window, the view of the object on the map opens.



Go to selection



When we select this option, it shows us the object we previously selected.

Edit selection



When we select this option, it opens the Object Settings window for the previously selected object. Object settings are explained previously.

Go to link of selection



When we select this option, we go to the selection link, if it was previously defined.

Clear selection



If we choose this option, we move the selection and the tools Go to selection, Selection properties, Go to selection link, Remove selection become grayed out and cannot be used.

In order to be able to use them again, we need to click on the Show trip(s) in the selected area tool in the upper tool palette of the Map View window