



FleetGarage specification

Tallinn 2024

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The latest version of this document can be found at:

<https://fleetgarage.eu/content/documents/FleetGarage-Specification.pdf>.

Purpose of the system

FleetGarage system is designed to automate repairs and maintenance of a fleet of vehicles. The software allows you to optimize internal work processes, reduce repair and maintenance costs, rationally allocate resources and increase the availability of transport (increase the technical readiness ratio).

Flexible and easy setup of the system allows you to adapt it to specific needs and changing processes within the enterprise, which will ensure sustainable development and maintain the competitiveness of the company.

Localization

FleetGarage system is multilingual. Within one enterprise, it is possible for different employees to work in different languages.

FleetGarage (Transport Company) (Administrator) - [Translation editor]					
Main Menu Windows Send message to developers ... Messages log					
Search by column: British English Test for search:					
British English	Lithuanian	Estonian	Latvian	Polish	
prohibited	draudzams	keelatud	atsiegta	zakazany	
It is prohibited to change work in a completed work o	Draudzams keisti darbu atbegane darbu uzskaitu	Taiesat taiesat juures on toode n	Atsiegta mainit darbu pabeigti darbu kartiba.	Zakazano sie zmiany pracy w zrealizowanym dzieciu	
It is prohibited to change the work, quantity, amount	Akcijai draudzams keisti darbu, kvant, kvant i sumu	Kompansats on keelatud muuta toot	Akcijai atsiegta mainit darbu, daudzumu, apjomu un	Zakazano sie zmiany pracy, ilosci, kwoty i wspolczynn	
It's not allowed to change amount and price for ad. C	Akcijai draudzams keisti atbargines datus, tiek i r	Kompansats on keelatud muuta var	Akcijai atsiegta mainit rezerves datus, daudzumu un	W ramach promocji zakazano sie zmiany czynnika zam	
Activation period, days	Aktivinimo laikotarpis, dienas	Aktivatsiooni periood, paeval	Aktivatsijas periods, dienas	Okres aktywacji, dni	
Paid by bonuses	Maksama prēmijām	Makstakaar bonusteiga	Apmaksēti ar bonusiem	Oplaczone bonusami	
for April	bolandzio mēnesim	aprīlim	aprilim	na kwiecień	
Continue two manufacturers	Suzināts du gaminātājus	Uitendaga kolci tootjat	Apmeklējiet divus ražotājus	Policz dwóch producentów	
According to operating hours in the current month	Pagal eiramajo mēnesi darbo valandos	Vastavalt tootundidele jooskel kuul	Aizbilsti darbo laikam kārtējā mēnesi	Według godzin pracy w bieżącym miesiącu	
Return payment date	Grābtinimo maksājuma data	Tagatmaksakus kuspauv	Apmeklēšanas maksājuma datums	Termin płatności zwrotu	
Date of reset of all bonuses	Visu prēmiju nūstātino il nājsja data	Kõigi bonuste lühendamise kuupäev	Apmeklēšanas datums visiem bonusiem	Data resetu wszystkich bonusów	
* For discount type	Dēl nuolaidos tipo	Aktivatsiooni tüübi jaoks	Aktieses veidi	Dla typu rabatu	

User rights

Group of users

FleetGarage system allows you to flexibly create different workplaces (sets of rights). Each user will see only those buttons and interfaces and fields that are required.



* Name	Department	Group	Login	Access denied
▶ Alain Prost	BUS_2	Fleet Prof	DEMO_PROF	☐
Arnold Joseph	Management	Fleet EXPERT	LOGIN_3069	☐
Fenrych Tomasz	Management	Fleet EXPERT	TFenrych	☐
Fitzgerald William	Wash	MobApp: Cleaner	LOGIN_2950	☐
Georg Expert	Management	Fleet EXPERT	GEORG_EXPERT	☐

* User group	Description
Time stamp	Time stamp
Fleet EXPERT	Supervisor
Workshop	Workshop
Auditor	Auditor
Fleet	Fleet
Warehouse keeper	WH keeper
Fleet dispatcher	Fleet dispatcher
TV: LOAD_PERFORMER	TV: LOAD_PERFORMER
Tightening the wheels	Tightening the wheels
Tires manager	Tires manager
Contractor	Contractor
Car manufacturer	Car manufacturer
Agregat	Agregat
MobApp: Cleaner	MobApp: Cleaner
U	U
Cleaning	Cleaning
Fleet Prof	Fleet Prof

Fleets

FleetGarage system has a linking of a vehicle to a fleet, as well as settings for users to carry out operations with the transport of only their fleet (or several selected ones).

* Fleet	Address	Active	Manager
MC1		☒	Harris Howard
MC2		☒	Martin Peter
MC3		☒	Rodriguez Donald
Zajeżdźnia KM Płock		☒	Administrator
Vizii Urban		☒	Paul Expert
Visi		☒	Paul Expert
Visi domus		☒	Paul Expert
CleanR Verso		☒	Paul Expert
Antakalnio TD		☒	Administrator
Verkių TD		☒	Administrator
Viršuliškių TD		☒	Administrator

Vehicle card	
Vehicle details	Mileage log
Plate	1080CJ
Garage #	9865
VIN	XCXC78ZZ1ET020220
Brand	MAN
Model	Lions City LE
Year of issue	2013
Modification	BA7800 D0836 LOH
Power, hp	
Fleet	MC1

FleetGarage [Transport Company] [Administrator] - [Users]

Main Menu Windows Send message to developers ...J Mess

Name	Department	Group	Login	Ac
Administrator	Management	Fleet EXPERT	sa	
Alain Prost	BUS_2	Fleet Prof	DEMO_PROF	
Andrei Expert	Management	Fleet EXPERT	ANDREI_EXPERT	
Andrei Prof	Management	Fleet Prof	ANDREI_PROF	
Arnold Joseph	Management	Fleet EXPERT	LOGIN_3069	

User

Basic properties Warehouses Brigades Allowed fleets

Fleet	Address	Note	Is allowed
MC1			☒
MC3			☒
MC2			☒
Visi domus			☐
Zajeżdźnia KM Płock			☐
Verkiq TD			☐
Vizii Urban			☐
Viršuliškių TD			☐
CleanR Verso			☐
Visi			☐
Antakalnių TD			☐

General system capabilities

The system is modular. Each module is switched on and off at the customer's request.

Here is an example of some modules:



Driver submission of request

It is important to use the mobile application «FG:Fleet Driver» to create driver requests.

1. This saves time for the technician to process and understand the problem. A driver can attach photos and videos, which will help to find faults quickly and, when issuing a vehicle, check that the problem is no longer present. It will be much quicker and easier for the foreman to create a work order based on the request. And pass it on to a mechanic to work with text, photos and videos.
2. The driver can create a request after thinking about it and will not forget to indicate everything.
3. It will be possible to measure the time from the submission of a request to its processing by a foreman, and this will help to reduce the time at this stage.
4. The driver can make a request whenever it is convenient for him, whether the foreman's working day has started or not, whether the foreman is at lunch or talking to someone on the phone.
5. Personal responsibility appears. It will be easier to find out whether the driver has reported this problem or not.
6. The ability to measure and reduce the number of vehicles in the repair queue.
7. When a request is generated, the fleet dispatcher sees which vehicles are available and which are faulty. The planned repair date can then be agreed between the foreman and the dispatcher.
8. It is easier to identify recurring problems if the workshop did not fix the problem the first time.

As a result, the time from request to vehicle issue is reduced, as are technician labour costs.

Purpose

Create a service request for subsequent processing by the workshop foreman.

Principle of operation

Drivers or other employees who have rights (authorized users) create requests. Requests are entered into the general request log, which the workshop foreman works with: he uses the system to coordinate the repair date with the fleet dispatcher. When a vehicle arrives for repair, a work order is created based on the request.

Functionality

The system allows you to create a request in one of the following ways:

1. Through a mobile application for iOS and Android (with the ability to take a photo/video and attach it to the request (up to 15MB);
2. From a dedicated interface in the control room or repair area.
3. The dispatcher, foreman or other employee receives a call from the driver by phone and creates a request in the request log.

Driver mobile application

Designed for Android and iOS.

A vehicle repair request can be created by an authorised user. Authorisation is carried out using the personnel number and mobile phone number stored in the system.

Vehicles are identified by garage or registration number.

The software requires you to enter at least 10 characters of text and at least one attribute (traffic accident, recurring problem, maintenance, information system).



The mobile application allows the driver to view his current and completed orders.



Driver interface

A computer interface allows authorised staff (drivers) to create requests. The interface is similar to request creation from a mobile application, with the exception of photo and video attachments.

Employee # ●●●● Rice E.

Garage # 7685

IVECO Irisbus Crossway LE SFR, 1610CJ

Request

Middle door does not close

☐ Crash (F4)
☐ Same Problem (F5)
☒ Out of Route (F6)
☒ Repair/Maintenance/Other (F7)
☐ Repair of the InfoSystem (F8)

Create the Request (F9)



Functionality

The vehicle log allows you to keep records of both passenger and service vehicles.

Based on accompanying reference books. For example: Brands, Models, Modifications, Fleets, Fuel Type, etc.

The catalogue displays the status of the vehicle in different colours depending on the repair (planned, in progress, interrupted, completed, waiting for parts).

It is possible to maintain records of transport department/sub-department, tires, route number, warranty period, policy, mileage, date, type, last maintenance, etc.

The vehicle card contains a mileage log.

The basic set of car characteristics is tied to the car modification and includes the following categories:

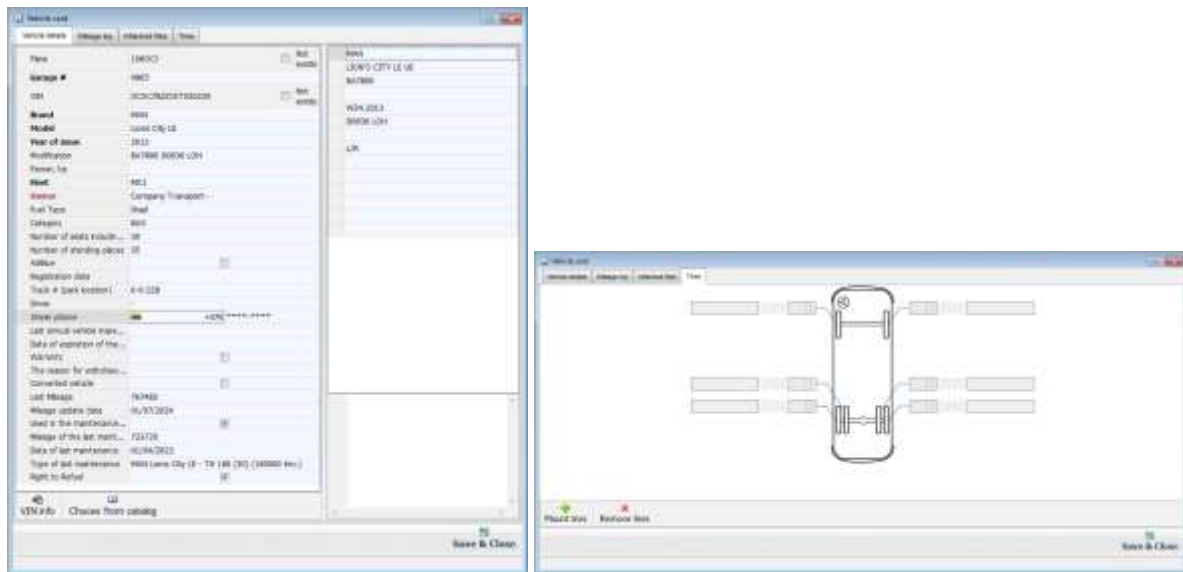
- wheel formula;
- number of seats/standing;
- accessibility for the disabled;
- engine number and type;
- gearbox number and type;
- air conditioning (whole interior, driver only, absent);
- transport length;
- fuel type and tank capacity;
- insurance policies;
- accounting account;
- vehicle owner;
- maintenance intervals;
- cleaning intervals.

Interface examples

Transport log

#	Creation date	Gauge #	Plate	VIN	Vehicle	Fleet	Engine's type	Last Mileage	Mileage update date	Next annual vehicle inspection date	Last job order	Type of job
1	11/02/2024	1817	MAA 617	12102	Scoda 14 TR 13	Arctical...	Unknown	14188	01/07/2024			
2	06/11/2023	2788	WP 23	HLNCRFLA100015	Karsan M3V, ATAK M3V, A...	Zagrad...	Diesel	257431	01/07/2024		02/01/2024	K_REPAIR
3	22/01/2021	7188	188EEJ	VF1VC00069439775	Roadit MASTER VC FVBU	MC3	Diesel	221667	01/07/2024	31/08/2023	08/02/2024	K_REPAIR
4	11/02/2024	07948	AGB 434	VV3RG82951101508	VOLVO 7798A	Verik TD	Unknown	11754188	01/07/2024			K_REPAIR
5	11/02/2024	07921	801 328	VV3RG82861108712	VOLVO 7798A	Verik TD	Unknown	11474188	01/07/2024			K_REPAIR
6	11/02/2024	09421	GHD 532	WMAA21221DR0118...	MAN Lion's City (CHC)	Verik TD	Unknown	14188	01/07/2024			K_REPAIR
7	15/08/2019	2314	1120CJ	VW178228E7026225	MAN Lion's City LE A78 Euro 6...	MC1	Dea/Hybrid	153787	01/07/2024	30/09/2023	30/01/2024	K_REPAIR
8	25/08/2023	3672	3672	7777777777777777	General Electric Cle-7 7FD...	MC3	Diesel	21688	01/07/2024		15/04/2024	K_REPAIR
9	30/08/2019	3852	7720CJ	VV371U223H1183186	SCANA P410	MC1	Dea/Hybrid	331258	01/07/2024	30/04/2024	30/01/2024	K_REPAIR
10	11/02/2024	40848	18U 270	WMAA2122218020362	MAN A23 4230323	Verik TD	Unknown	14188	01/07/2024			K_REPAIR
11	06/11/2023	4758	WP 47...	SUJ241163J0019454	SOLARIS Urbino 12 Hybrid ...	Zagrad...	Diesel	461734	01/07/2024		30/01/2024	K_REPAIR
12	21/07/2019	5943	4620CJ	Y5284G20001859993	VOLVO CARRUS Bus, coach 1...	MC1	Diesel	141874	01/07/2024	30/03/2023		K_REPAIR
13	06/11/2023	7628	WP 87...	SUJ241161A8004875	SOLARIS Urbino 12 Urbino 12	Zagrad...	Diesel	859918	01/07/2024		08/02/2024	K_REPAIR
14	27/08/2019	7685	1810CJ	VV371U224G1173244	IVECO Inabus Crossway LE SFR	MC1	Dea/Hybrid	390355	01/07/2024	31/10/2023	02/01/2024	K_contract
15	07/08/2019	8885	1080CJ	KXCK78221ET00220	MAN Lion's City LE BA7800 DO...	MC1	Diesel	767482	01/07/2024	30/09/2023	27/11/2023	Outdoor
16	01/02/2024	17973	1234	Y5284G2000155815	SCANA P 200 8402NA Special...	Verik TD	Unknown	384468	01/07/2024			K_REPAIR
17	11/02/2024	09618	481 328	SUJ241164D0012463	SOLARIS Urbino 12 (CHC)	Verik TD	Unknown	14188	01/07/2024		11/04/2024	K_REPAIR
18	21/07/2019	7588	4510CJ	Y5284G20001857866	MAN LE 16.188	MC1	Diesel	1113281	01/07/2024	30/04/2022	08/02/2024	K_REPAIR
19	30/01/2024		11120EM	W089505111861813	Mercedes-Benz 1624 L 402 ...		Unknown	13388	01/07/2024			
20	17/02/2024		928EDJ	VW00098268A170832	--		Unknown	10888	01/07/2024		30/01/2024	K_REPAIR
21	17/01/2024		988FVY	425647685888	BMW 320D		Diesel	16888	01/07/2024		30/01/2024	K_REPAIR
22	18/01/2024		988HHH	5555555555	Ford Transit		Unknown	16388	01/07/2024		20/01/2024	K_REPAIR
23	17/01/2024	999	988KXX	123456789	BMW 320D	MC3	Diesel	16688	01/07/2024		30/01/2024	K_REPAIR
24	11/02/2024	07989	AGB 436	VV3RG82751101529	VOLVO 7798A	Verik TD	Unknown	11394188	01/07/2024		18/08/2024	K_car accid
25	11/02/2024	07913	AGB 431	VV3RG82351101439	VOLVO 7798A	Verik TD	Unknown	11174188	01/07/2024			
26	11/02/2024	07921	AGB 432	VV3RG82151101441	VOLVO 7798A	Verik TD	Unknown	11854188	01/07/2024			
27	11/02/2024	07930	AGB 433	VV3RG82351101442	VOLVO 7798A	Verik TD	Unknown	11294188	01/07/2024			

Transport properties editing form



Routine maintenance

Purpose

The module is designed to automate routine maintenance.

Principle of operation

For various transport models, service intervals and a schedule are indicated, indicating the type of maintenance by mileage or period. For example: small, medium, small large, annual.

For each type of maintenance, a set consisting of jobs and spare parts is selected.

The expert sees which vehicles need maintenance in the near future and creates maintenance requests. When such a request is processed, the required list of jobs and spare parts from the appropriate set is inserted into the work order.

Functionality

The routine maintenance module allows you to set up rules for both passenger and service vehicles.

It is possible to automatically notify repair department specialists about the upcoming maintenance of each vehicle.

The maintenance interval is configured in the vehicle modification directory and, as a result, ensures the configuration of a list of jobs, spare parts and rules for the same type of transport.

FleetGarage allows you to customize different types of maintenance. For example: routine maintenance small, medium, large or RM30, RM60, RM90, RM120, etc.

Sets containing jobs and checks can be linked to a model or modification to quickly create a repair request or work order with a list of technical operations.

The system automatically suggests the next maintenance based on the previous service.

FleetGarage allows you to customize the color marking in the list of vehicles depending on the maintenance:

- scheduled maintenance;
- delay in maintenance;
- maintenance is scheduled, but there is another request for this vehicle that can be processed while the vehicle is in the workshop.

It is possible to cancel or change the maintenance date.

The “Autoinformer” allows you to set up alerts for transport department/sub-department staff indicating when vehicles need to be in the workshop for maintenance.

Interface examples

Vehicle card data

The reason for withdrawal from the ...	
Converted vehicle	☐
Last Mileage	767482
Mileage update date	01/07/2024
Used in the maintenance planning	☒
Mileage of the last maintenance	723735
Date of last maintenance	01/04/2023
Type of last maintenance	MAN Lions City LE - TH 180 (30) (180000 Km.)
Right to kernel	☒

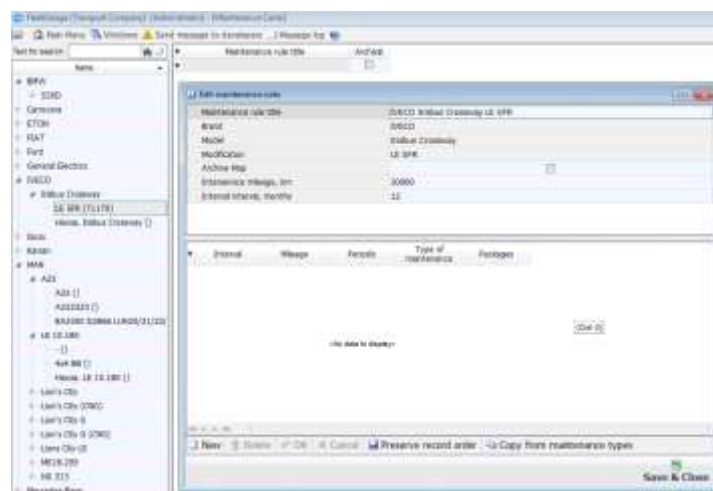
Maintenance sets

FleetGarage [Transport Company] [Administrator] - [Packages]																																																											
Main Menu Windows Send message to developers ... Message log																																																											
Text for search:	Select: Total working-hours																																																										
Aggregate Car Iveco Man A21 Man A40 Man A78 Microbus S-12 S-18 Scania Volvo Volvo 7900 15 Volvo 7900 BSLH 17	Iveco (40,200,280,440,520,680,760) 22.2	<table> <tr> <th>Name</th><th>Amount</th><th>Unit</th></tr> <tr><td>Checking the condition of the 12V plug</td><td>1</td><td>0.1</td></tr> <tr><td>Checking the condition of the 24V plug</td><td>1</td><td>0.1</td></tr> <tr><td>Checking Front Door Heater Operation</td><td>1</td><td>0.1</td></tr> <tr><td>Inspection of instruments and indicator lights</td><td>1</td><td>0.1</td></tr> <tr><td>Checking the operation of the glass washer system</td><td>1</td><td>0.1</td></tr> <tr><td>Checking the operation of the air conditioner</td><td>1</td><td>0.2</td></tr> <tr><td>Knocking function operation check</td><td>1</td><td>0.2</td></tr> <tr><td>Check the mounting and movement of the sliding frame of the batteries</td><td>1</td><td>0.1</td></tr> <tr><td>Check the fastenings of the first bridge</td><td>1</td><td>0.1</td></tr> <tr><td>Checking cardan mounts</td><td>1</td><td>0.1</td></tr> <tr><td>Check the oil level of the air conditioning pump</td><td>1</td><td>0.1</td></tr> <tr><td>Checking the gearbox mountings</td><td>1</td><td>0.1</td></tr> <tr><td>Check the condition of the gearbox ventilation</td><td>1</td><td>0.1</td></tr> <tr><td>Check the fuel line</td><td>1</td><td>0.2</td></tr> <tr><td>Check the condition of the mass switch and battery wires, terminals</td><td>1</td><td>0.3</td></tr> <tr><td>Check the piping of the engine cooling system</td><td>1</td><td>0.2</td></tr> <tr><td>Check the motor mounts</td><td>1</td><td>0.1</td></tr> <tr><td>Check the fire extinguishing system in the engine compartment</td><td>1</td><td>0.1</td></tr> </table>	Name	Amount	Unit	Checking the condition of the 12V plug	1	0.1	Checking the condition of the 24V plug	1	0.1	Checking Front Door Heater Operation	1	0.1	Inspection of instruments and indicator lights	1	0.1	Checking the operation of the glass washer system	1	0.1	Checking the operation of the air conditioner	1	0.2	Knocking function operation check	1	0.2	Check the mounting and movement of the sliding frame of the batteries	1	0.1	Check the fastenings of the first bridge	1	0.1	Checking cardan mounts	1	0.1	Check the oil level of the air conditioning pump	1	0.1	Checking the gearbox mountings	1	0.1	Check the condition of the gearbox ventilation	1	0.1	Check the fuel line	1	0.2	Check the condition of the mass switch and battery wires, terminals	1	0.3	Check the piping of the engine cooling system	1	0.2	Check the motor mounts	1	0.1	Check the fire extinguishing system in the engine compartment	1	0.1
Name	Amount	Unit																																																									
Checking the condition of the 12V plug	1	0.1																																																									
Checking the condition of the 24V plug	1	0.1																																																									
Checking Front Door Heater Operation	1	0.1																																																									
Inspection of instruments and indicator lights	1	0.1																																																									
Checking the operation of the glass washer system	1	0.1																																																									
Checking the operation of the air conditioner	1	0.2																																																									
Knocking function operation check	1	0.2																																																									
Check the mounting and movement of the sliding frame of the batteries	1	0.1																																																									
Check the fastenings of the first bridge	1	0.1																																																									
Checking cardan mounts	1	0.1																																																									
Check the oil level of the air conditioning pump	1	0.1																																																									
Checking the gearbox mountings	1	0.1																																																									
Check the condition of the gearbox ventilation	1	0.1																																																									
Check the fuel line	1	0.2																																																									
Check the condition of the mass switch and battery wires, terminals	1	0.3																																																									
Check the piping of the engine cooling system	1	0.2																																																									
Check the motor mounts	1	0.1																																																									
Check the fire extinguishing system in the engine compartment	1	0.1																																																									

Types of routine maintenance

FleetGarage [Transport Company] [A		
Main Menu Windows		
* Interval	Maintenance type	Periodic
45000	TH 45 (45)	☐
▶ 45000	TH 90 (45)	☐
45000	TH 135 (45)	☐
45000	TH 180 (45)	☐
0	Annual 45	☒
30000	TH 30 (30)	☐
30000	TH 60 (30)	☐
30000	TH 90 (30)	☐
30000	TH 120 (30)	☐

Scheduled maintenance schemes



Module repair

Purpose

Processing requests and creating work orders. Monitoring the progress of repair orders, making changes as repairs progress.

Principle of operation

Based on the request, the workshop foreman creates a work order. Adds jobs, spare parts, assigns performers. The module allows you to record the fact of shipment of spare parts according to the work order and notes on the completion of individual or all work. When accepting a vehicle for repair, it is possible to print out a repair order for a car mechanic. When the repair is completed, the completion and delivery of the transport is marked.

Functionality

When processing a work order request, the ability to merge several requests into one, view and add to the request, view and edit files, indicate a workshop vehicle slot, assign auto mechanics, the planned completion date (after agreement with fleet dispatchers), indicate the type of work order,

required labour costs, planned start time of work, add jobs, sets. View the recommendations and note their relevance or the need to complete this work order.

When creating a work order, the foreman enters the mileage (or it is entered automatically if integrated with the monitoring system), can specify the location of the repair, can select the location of the repair and can enter the planned date for completion of the repair (after consultation with the transport departments).

It is possible to add sub-contracted work and to indicate that the entire work order has been carried out by a sub-contractor. During the repair process, the list of work and parts will be added/changed as necessary.

The work order has a generalised cost and allows you to take into account the cost of repairing vehicles and units.

You can configure the types of work orders. For example:

- Routine maintenance;
- Technical repair;
- Body repair;
- Washing/cleaning;
- Aggregate unit repair;
- Service transport repair;
- Warranty repair;
- Subcontracted repairs.

It is possible to view the repair history in the work order.

Work orders are divided into separate tabs:

- Basic work orders;
- Work orders for aggregate units;
- Other work;
- Cleaning/Washing.

Contents: request, jobs, spare parts, subcontract works, recommendations, notes.

Vehicle repair history is available from the work order.

The ability to select and indicate with a flag separately for each job the fact of completion. If a car mechanic or other performer of the work indicated comments on the work, then the foreman has the opportunity to look at this comment in the work order. Possibility of printing a workshop repair task, work order and other required documents.

The distribution of the standard hours among the performers is carried out taking into account the work participation coefficient (by default, equal). System control of the mileage sequence.



The technician (car mechanic) at the workstation can mark the completion of individual tasks or the entire repair order, or mark a lunch break.

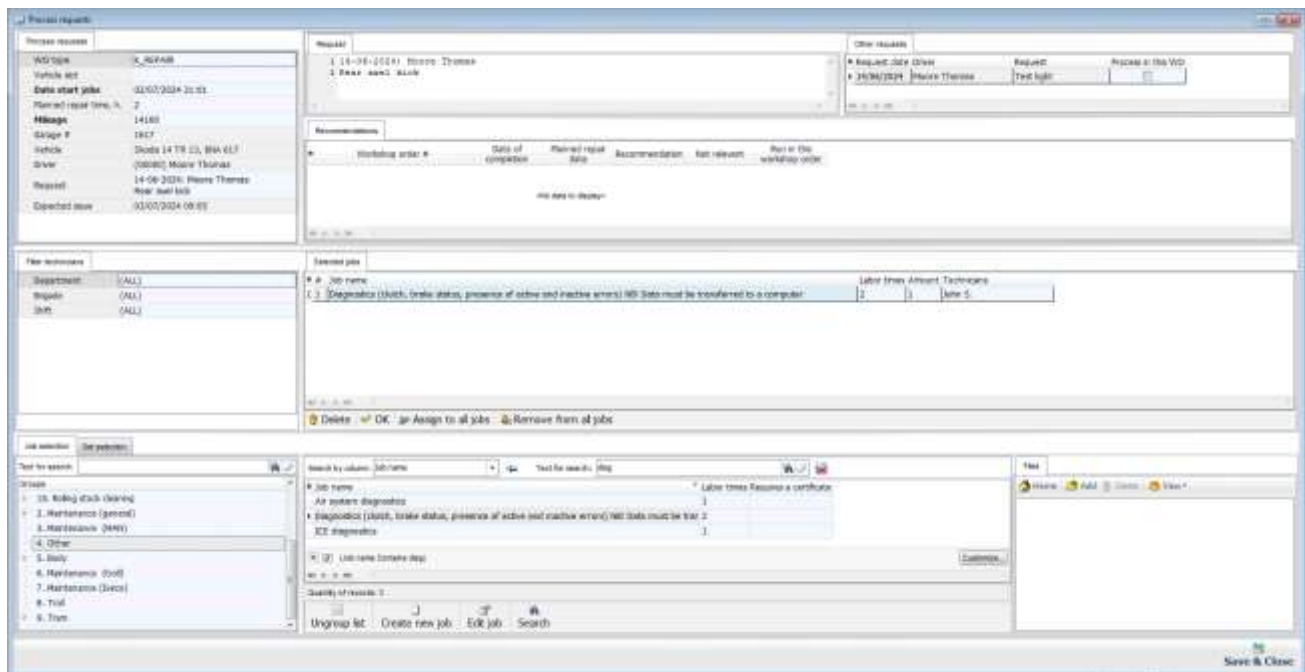
If the technician has provided comments on the job, the foreman can view these comments in the work order. The technician can edit or delete comments on the work order and the mechanic's recommendations. In this case, all comments are saved in the system.

The workstation of the work performer has the following capabilities:

- authentication by employee personnel number;
- accounting for standard repair time and actual time spent;
- automatic distribution of actually spent time among individual jobs, with the ability to mark the start/pause/continuation/end of individual jobs;
- each performer sees only his work orders in which he is assigned.
- a technician can mark individual jobs or the entire work order: started/finished/suspended;
- the ability to mark a “lunch break” with an automatic pause and resume;
- function “invite a foreman” or “spare parts required” with a list of missing spare parts;
- a technician can provide comments on a specific job or recommendations for the entire work order;
- a foreman can edit or delete recommendations;
- all comments on the performers’ jobs are saved in the system;
- a technician has the opportunity to view photos/videos in the repair request, as well as attach his photos/videos or other files;
- a technician can record a workshop vehicle slot in which he performs the work;
- The system provides an automatic correction if a technician forgets to mark the end of the work (when closing a work order or when the working hours of the repair area end);
- you can set a limit on how many repair orders a technician can run at any one time;
- you can set up a notification to the foreman about the work/task completed by the performers;
- if the foreman has established the fact that repair work has been completed and closed the work order, then the technician no longer has the opportunity to put marks on the jobs or work order.

Interface examples

Processing a request and creating a workshop repair order



The screenshot shows the 'Process requests' window in the One enter software. It contains several sections:

- Process requests:** A list of requests with columns for Request, Date start job, Planned repair time, Mileage, Vehicle, Driver, Request, and Expected date.
- Request details:** A section for a specific request, showing the request number, date, and a description of the issue.
- Recommendations:** A section for recommendations, including a list of jobs and their status.
- Job details:** A section for a specific job, showing the job name, date, and a description of the issue.
- Job list:** A list of jobs with columns for Job name, Date, and Status.
- Job details (bottom):** A section for a specific job, showing the job name, date, and a description of the issue.

Printed form of repair order

Repair order # 162718 of 02.07.2024 **K_REPAIR**

Work: 02.07.2024 11:04
Delivery: 0

Vehicle	Skoda 14 TR 13, ???, BNA 617, 1996 2.0, VIN: 12192	Antakalni o TD	Distance 14100
---------	--	-------------------	-------------------

GAR # 1617 LP # BNA 617 VIN 12192

REQUEST
14-06-2024: Moore Thomas
Rear axle kick

JOBS

Name	Qty	Norms	Technicians
Diagnosis (clutch, brake status, presence of active and inactive errors) NB! Data must be transferred to a computer	1	2,00	John S.

NOTES

Master _____ Technician _____

Work order log

RentGage [Transport Company] (Administrator) - Workshop orders									
Main Menu Windows Send message to developers Message log									
All workshop orders Aggregate's report Internal work Cleaning / Washing									
Drag a column header here to group by that column									
#	Garage #	Creation date	Fleet	W/O type	Plate	VIN	Vehicle	Created by	W/O #
182718	1617	02/07/2024	Antoniaino T	K_REPAIR	BNA 617	L2192	Gioia L4 TR L3	Administrator	
182716	7628	18/06/2024	Zajaczkina KO	K_REPAIR	WP 67628	SUJ0241181A8008875	SOLARIS Urbino 12	Habibson A.	
182714	7685	07/04/2024	MCL	K_REPAIR	1810CJ	VY3T J0224G1173244	IVECO Irisbus Crossway	Administrator	
182704	5843	08/04/2024	MCL	K_REPAIR	4620CJ	YS2NAX2001859993	VOLVO CARRUS	Administrator	
182703	59610	08/04/2024	Verily TO	K_REPAIR	46V 528	SUJ0241184B0D2463	SOLARIS Urbino 12 (CNG)	Administrator	Admin
182702	5943	08/04/2024	MCL	K_MTH-L	4620CJ	YS2NAX2001859993	VOLVO CARRUS	Administrator	
182696	42421	15/02/2024	Verily TO	K_REPAIR	R01 328	VY3R07GA2661188712	VOLVO 7700A	Administrator	
182694	48431	13/02/2024	Verily TO	K_REPAIR	GND 532	WMMA2122Z10R011891	MAN Lion's City (CNG)	Administrator	
182693	46088	13/02/2024	Verily TO	K_REPAIR	88H 278	WMMA2122Z118920362	MAN A23	Administrator	
182690	47048	13/02/2024	Verily TO	K_REPAIR	AQB 434	VY3R07GA2951181526	VOLVO 7700A	Administrator	
182689	4885	09/02/2024	MCL	K_REPAIR	1880CJ	XJCXC78ZZ1ET028220	MAN Lion's City LE	Andrei E.	
182688	1214	08/02/2024	MCL	K_REPAIR	1120CJ	VHYH78Z20ET020225	MAN Lion's City LE	Andrei E.	
182686	7628	01/02/2024	Zajaczkina KO	K_REPAIR	WP 67628	SUJ0241181A8008875	SOLARIS Urbino 12	Andrei E.	Admin
182685	17973	01/01/2024	Vizi Urben	K_REPAIR	1234	YSP24X2002155815	SCAMPA P 280 B42NA	Pavel E.	
182679	4758	20/01/2024	Zajaczkina KO	K_REPAIR	WP 4758L	SUJ024116338018454	SOLARIS Urbino 12 Hybrid	Andrei E.	
182676	3852	30/01/2024	MCL	K_REPAIR	7720CJ	VY3T J0223H1183168	SCAMPA F410	Andrei E.	

Editing a work order

[illegible]

Technician (car mechanic) workplace

FG: Mechanic

02.07.2024 | 21.05

LUNCH BREAK

John Smith

MY JOBS

OUTPUT

EXIT

EN

7685 / 1610CJ IVECO

Irisbus Crossway LE SFR

Workshop order 162718 of 07.06.2024

08-02-2024 Tomasz

noise in suspension

4758 / WP 4758L SOLARIS

Hyundai Solaris 1.6 Hybrid 2016

Workshop order 162718 of 07.06.2024

30-01-2024 Administrator

Knocking in the motor

Jobs

Parts

Recommendations

Master's comments

Start all New jobs

Pause all

All done

WS Vehicle Unit

Jobs	Norms	Status	Action
Checking lights and lanterns (A)	0.2	Pause	▶ ✓ ✕
Checking and recording the thickness of the brake pads (A)	0.5	Pause	▶ ✓ ✕
Checking the level of antifreeze and its frost resistance (C)	0.1	IN PROGRESS	⏸ ✓ ✕

X

<

1

2

3

4

5

...

10

>

X

10

10 out of 93

Time tracking

Purpose

Automation of employee time tracking.

Principle of operation

Technicians are authorized by personnel number, mark the beginning/end of work, pauses, breaks.

Functionality

- Ability to work from a computer or smartphone;
- recording the time of auto mechanics allows employees to record the beginning and end of work on a work order;
- generating reports on employee working time and productivity.

Interface examples

Work performer's workplace

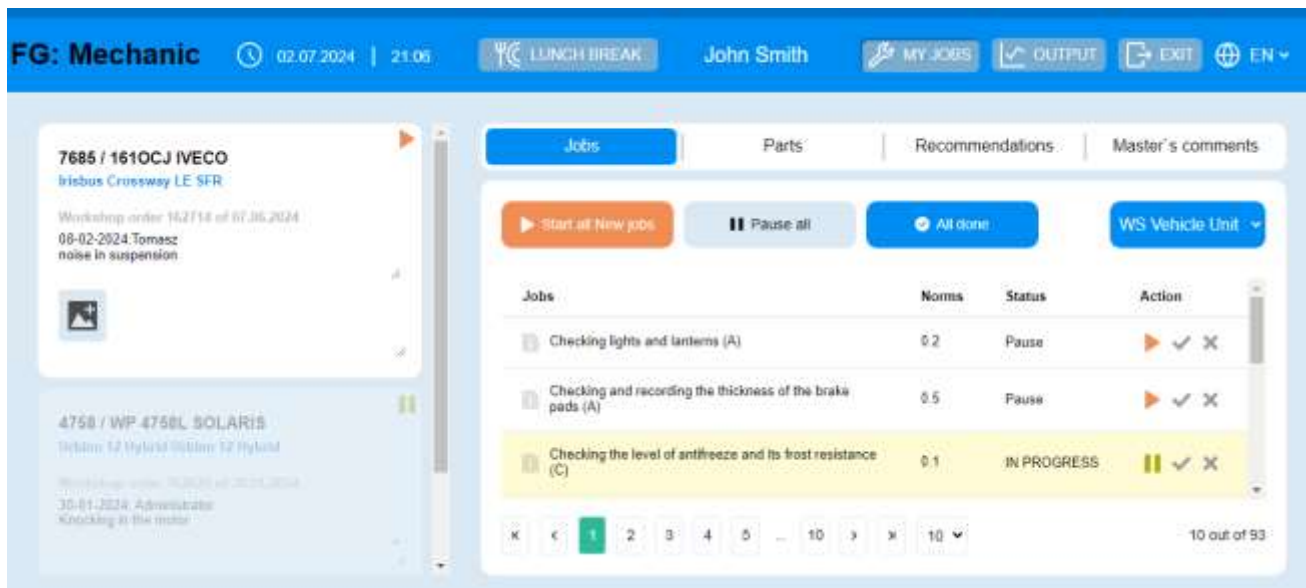


FG: Mechanic 04.07.2024 14:38 LOGIN BREAK John Smith MY JOBS OUTPUT EDIT EN

Output June July By team Unpaginated

Date	Vehicle	Hours	Actual
04.07.2024	5	22.5	4.37

Vehicle	Job	Hours	Actual
WECO Motors Crossway LE SPR 1505 / 1610CL	Checking the level of antifreeze and its frost resistance (C)	0.1	0.02
WECO Motors Crossway LE SPR 1505 / 1610CL	Signal test (C)	0.1	0.02
WECO Motors Crossway LE SPR 1505 / 1610CL	Checking the door bearings and the door kinematics (C)	0.3	0.06
WECO Motors Crossway LE SPR 1505 / 1610CL	Headlight adjustment	1	0.17
WECO Motors Crossway LE SPR 1505 / 1610CL	Checking the condition of pipes and washers	0.1	0.02
WECO Motors Crossway LE SPR 1505 / 1610CL	Washer fluiding: checking the level for damage	0.5	0.08
WECO Motors Crossway LE SPR 1505 / 1610CL	Tire: Check the condition and the pressure, including spare wheel	0.1	0.03
WECO Motors Crossway LE SPR 1505 / 1610CL	Compressed air system: Discharge of water from the compressed air system	0.1	0.02
WECO Motors Crossway	Body: Inspection of the front and rear panels: side wall and roof for	0.9	0.16
Total		22.5	0.32



Vehicle repair history module

Purpose

Collect data and store information on all vehicle repairs. This information can be used to assess vehicle condition, identify faults and plan repairs.

Principle of operation

Ability to view service repair history from different modules and interfaces as required.

Functionality

The repair history is determined according to the vehicle (make and model, garage side number and registration number).

History includes:

- total mileage of the vehicle on the day of repair
- date of repair;
- type of repair;
- technicians performing the work;
- workshop foreman;
- request;
- recommendations;
- standard and actual time spent on repairs;
- spare parts and materials used for repairs.

Interface examples

Data in the work order

K_Maintenance-1 #16270 for 08/04/2024 13:33 VOLVO CARRUS Reg plate 48EDCJ Pleson (null)									
Workshop Order	Message	Workshop order #	Date of completion	WO type	What	Name (jobs, parts)	Amount	Sum	Job completed
Spares parts	Message: none	162592	07/11/2023	K_REPAIR	Request	18-10-2023: Kawałki krzyżaków przed dory, ten autobus zapelnie d	1	0	
Contracting		162592	07/11/2023	K_REPAIR	Parts, materials	Coarse fuel filter, HENGST, H704W4	35	10340	Andrei Expert
Repair history		162592	07/11/2023	K_REPAIR	Parts, materials	Oil filter	55	5555	Andrei Expert
Recommendations		162592	07/11/2023	K_REPAIR	Parts, materials	oil filter element D120.5 d 58.3 HQS/MAN TG-A 0266LF	1	3765	Andrei Expert
Weekly equipment		162592	07/11/2023	K_REPAIR	Parts, materials	oil filter MAN E2393/P2009/TGA, Neoplan	35	13125	Andrei Expert
OTB testing		162592	07/11/2023	K_REPAIR	Jobs	AdBlue System Repair	1	25	Andrei Expert Technicians: Bennett D.
Planning by performer		162592	07/11/2023	K_REPAIR	Jobs	Additional locksmith work	1	25	Andrei Expert Technicians: Bennett D.
		162599	17/10/2023	K_REPAIR	Request	17-10-2023: Administrator engine oil leak	1	0	
		162599	17/10/2023	K_REPAIR	Jobs	Check engine and PTD for leaks (C)	1	2.5	Andrei Prof Technicians: Rice E.
		162599	17/10/2023	K_REPAIR	Jobs	Engine mount replacement	1	37.3	Andrei Prof Technicians: Rice E.
		162570	31/08/2023	K_REPAIR	Request	08-08-2023: Administrator Glass rear	1	0	
		162570	31/08/2023	K_REPAIR	Jobs	back glass: replacement	1	25	Ayrtan Senna Technicians: Adams A., Adams J.
		162570	31/08/2023	K_REPAIR	Jobs	door glass: replacement	1	100	Ayrtan Senna Technicians: Adams A., Adams J.
		162570	31/08/2023	K_REPAIR	Jobs	left side glass: replacement	1	100	Ayrtan Senna Technicians: Bennett D., Adams A.
		162570	31/08/2023	K_REPAIR	Jobs	ABS cable replacement (wheel pulling is NOT required)	1	12.5	Ayrtan Senna Technicians: Adams A., Adams J.
		162570	31/08/2023	K_REPAIR	Jobs	Check the level of anti-rust and its first rustproof (T)	1	2.5	Ayrtan Senna Technicians: Adams A.

Transport log

#	Creation date	Garage #	Plate	VIN	Vehicle	Fleet	Engine's type	Last Mileage	Mileage update date	Next annual vehicle inspection date	Last job order
1	11/02/2024	1617	BNA 617	12192	Shoda 1R TR 13	Antark	Unknown	14100	01/07/2024		
2	08/12/2023	2788	WP 27...	MLHCEFLA080015...	Karsen M3V, ATAK M3V, A...	Zajaczk...	Diesel	257431	01/07/2024		02/01/2024
3	22/02/2021	7106	108001	VTVCL000004039725	Renault MASTER VC FV0V...	MC1	Diesel	221607	01/07/2024	31/08/2023	08/02/2024
4	11/02/2024	67948	AGB 434	VY3R7G82351101526	VOLVO 7708A	Verkuj TD	Unknown	11714100	01/07/2024		
5	11/02/2024	67921	801 328	VY3R7G82441168712	VOLVO 7708A	Verkuj TD	Unknown	11474100	01/07/2024		
6	11/02/2024	68431	6AD 532	WMAA21221083118...	MAN Lion's City (CNG)	Verkuj TD	Unknown	14100	01/07/2024		
7	15/06/2019	2314	1120C1	V6N76220ET020223	MAN Lion's City LE A7R Euro 6...	MC1	Diesel/Hybrid	155787	01/07/2024	30/09/2023	28/01/2024
8	25/10/2023	3672	3672	7777777777777777	General Electric C16-7.7FD...	MC1	Diesel	21600	01/07/2024		13/04/2024
9	30/06/2019	3852	7720C1	VY3T1U223H183149	SCANIA P410	MC1	Diesel/Hybrid	531599	01/07/2024	30/06/2024	18/01/2024
10	11/02/2024	40060	HBU 279	WMAA232221802062							
11	06/11/2023	4758	WP 47...	SUU2411813J8019454							
12	21/07/2019	5943	4620C1	Y52K9G20001859943							
13	06/11/2023	7628	WP 67...	SUA041181480088975							
14	27/08/2019	7880	1810C1	VY3T1U223G1175244							
15	07/08/2019	8665	1080C1	XXCX78221ET930220							
16	01/02/2024	17907	1234	YS2P4G20021359115							
17	11/02/2024	66610	HBY 528	SUU241164080124613							
18	21/07/2019	7988	4530C1	Y52K9G20001857984							
19	28/01/2024		11106M	W0895933111841813							
20	17/01/2024		820801	VW6049C391A170813							
21	17/01/2024		000YYY	435647665899							
22	18/01/2024		0000HH	333555555							
23	17/01/2024	000	00000C	123456789							
24	11/02/2024	67005	AGB 430	VY3R7G82751101525							
25	11/02/2024	67013	AGB 431	VY3R7G82351101439							
26	11/02/2024	67021	AGB 432	VY3R7G82131101441							
27	11/02/2024	67030	AGB 433	VY3R7G82351101442							
28	11/02/2024	67056	AGF 820	VY3R7G82431101449							
29	11/02/2024	67064	AGF 821	VY3R7G82351101527							
30	11/02/2024	67072	AGF 822	VY3R7G82351101528							
31	11/02/2024	67081	AGF 823	VY3R7G82851101579							
32	11/02/2024	67099	AGF 824	VY3R7G82431101580							
33	11/02/2024	67102	AMV 201	VY3R7G62031101577							
34	11/02/2024	67111	AMV 202	VY3R7G62231101578							
35	11/02/2024	67137	AMV 204	VY3R7G62351101621							
36	11/02/2024	67153	AMV 205	VY3R7G62151101622							
37	11/02/2024	67161	AMV 206	VY3R7G62351101623							
38	11/02/2024	67170	AMV 207	VY3R7G62351101624							
39	11/02/2024	67188	AMV 208	VY3R7G62731101625							

Aggregate unit repair accounting module

Purpose

Automate the accounting and repair history of numbered and unnumbered aggregate units.

Principle of operation

The work is carried out in a separate tab "Aggregate's repair" in the work order log. The subject of the work is not the transport, but one or more units. If the unit contains a serial number, the repair history is available for it.

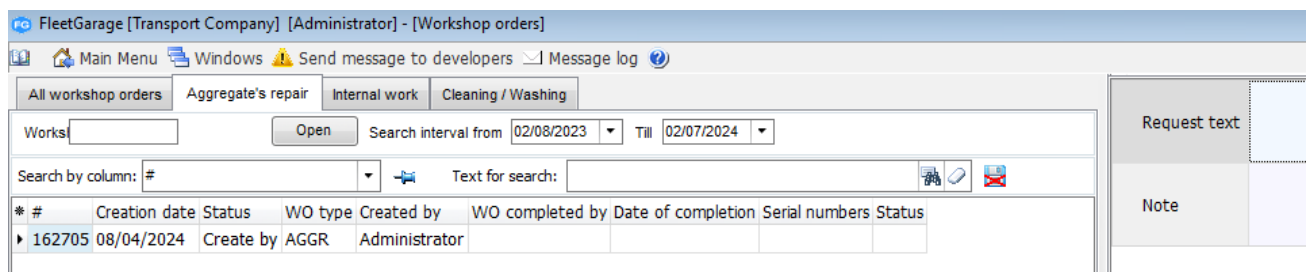
Functionality

The repair request (reasons for repair) is entered in the created work order. A manufacturer, model and type of aggregate unit must be specified. Either the serial number or the number of units of the same type is specified. You can specify the estimated repair time.

FleetGarage allows you to record repairs performed, including spare parts used, standards and actual hours worked.

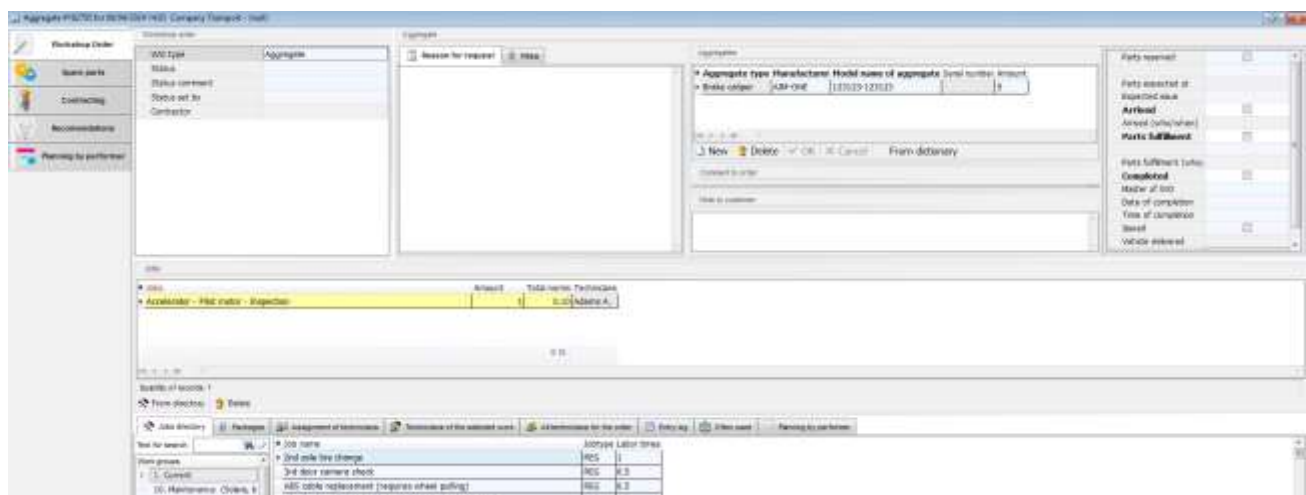
Interface examples

Unit repair log



The screenshot shows the FleetGarage software interface. At the top, there's a title bar: "FleetGarage [Transport Company] [Administrator] - [Workshop orders]". Below it is a menu bar with "Main Menu", "Windows", "Send message to developers", and "Message log". The main area has tabs: "All workshop orders", "Aggregate's repair" (selected), "Internal work", and "Cleaning / Washing". Below the tabs, there's a search bar with "Works" and an "Open" button. To the right, there's a "Search interval from" date picker set to "02/08/2023" and a "Till" date picker set to "02/07/2024". Below the search bar, there's a "Search by column:" dropdown set to "#", a "Text for search:" input field, and icons for print, save, and delete. A table with the following columns is displayed: "#", "Creation date", "Status", "WO type", "Created by", "WO completed by", "Date of completion", "Serial numbers", and "Status". The table contains one row: "# 162705", "08/04/2024", "Create by", "AGGR", "Administrator", and empty cells for the remaining columns. On the right side, there's a sidebar with "Request text" and "Note" sections.

Work order for aggregate repair



The screenshot shows the FleetGarage software interface for creating a work order. The title bar is "Aggregate #162705 for 08/04/2024 (AGGR) - Company Transport - Issue". The left sidebar has a "Workshop order" section with "Aggregate" selected. The main area is divided into several sections. The top section is "Reason for request" with a text area. Below it is a section for "Aggregate type characteristics" with fields for "Model name of aggregate", "Serial number", and "Amount". There are buttons for "New", "Delete", "Copy", "Paste", and "From dictionary". Below that is a "Comments to order" section. The bottom section is "Parts required" with a table showing "Parts required at", "Expected value", "Actual", "Approved value", and "Parts fulfilled". The table contains one row: "Parts required at", "Expected value", "Actual", "Approved value", and "Parts fulfilled". Below the table, there's a "Parts fulfilled" section with a table showing "Parts fulfilled", "Manufacturer", "Date of completion", "Time of completion", and "Vehicle delivered". The table contains one row: "Parts fulfilled", "Manufacturer", "Date of completion", "Time of completion", and "Vehicle delivered".

Aggregate models

FleetGarage [Transport Company] [Administrator] - [Models of aggregates]				
Main Menu Windows Send message to developers Message log				
* Model name of aggregate	Aggregate type	Manufacturer	Serial number required	
▶ 120	Brake caliper	KNORR-BREMSE	☐	
121	Brake caliper	KNORR-BREMSE	☐	
122	Brake caliper	KNORR-BREMSE	☐	
123	Brake caliper	KNORR-BREMSE	☐	
123123-123123	Brake caliper	AIM-ONE	☐	
125	Brake caliper	KNORR-BREMSE	☐	
126	Brake caliper	KNORR-BREMSE	☐	
136	Brake caliper	MERITOR	☐	
1SKD870175	Undercarriage	Muu	☒	
2SKD870175	Undercarriage	Muu	☒	
AT2412F 60150850	Gear box	Volvo	☒	
D0836LOH60	Engine	MAN	☒	
D0836LOH72	Engine	MAN	☒	
D135334-100	Undercarriage	FAV	☒	
D206611H46	Engine	MAN	☒	

Aggregate units directory and repair history

FleetGarage [Transport Company] [Administrator] - [Aggregates with serial numbers]				
Main Menu Windows Send message to developers Message log				
* Aggregate type	Manufacturer	Model name of aggregate	Serial number	
Axle	ZF	Portaalsid 6,2	1003	
Axle	ZF	Portaalsid 6,2	1004	
Axle	ZF	Portaalsid 6,2	1005	
Axle	ZF	Portaalsid 6,2	1006	
Axle	ZF	Portaalsid 6,2	1007	
Axle	ZF	Portaalsid 9,82	1001	
Axle	ZF	Portaalsid 9,82	1002	

Workshop orders				
#	Status	W/O type	Created by	W/O completed by Date of completion
162706	Completed	ASGR	Administrator Hakkinen A.	21/06/2024
Name Type Technicians				
ABS diagnostics Jobs Hakkinen A.				
Air conditioner maintenance B - U18 Jobs Hakkinen A.				

Kanban module (task board)

Purpose

Designed to visualise the repair process to understand the progress and status of the work. Provides transparency. On the TV panel, you can see which job is where and which technician is doing what.

Principle of operation

During the repair process, work orders acquire certain statuses (automatically and/or manually). All work orders are displayed in the foreman interface or on the TV panel in the repair area.

Web application that can be configured on a smart-TV at autorun:

- Current and planned technician workload;
- repair status of work orders;
- output of performers (technician) per month.

Functionality

Individual Kanban statuses change automatically according to a technician's mark: in progress/in pause/waiting for spare parts/requesting a foreman.

The visualisation shows who is free, who is busy and who is on break. It also shows what work is planned for the future.

Most of the statuses are fixed and assigned automatically:

- Scheduled;
- Accepted;
- In progress;
- pause;
- completed by a technician;
- finalized by a foreman;
- left a workshop.

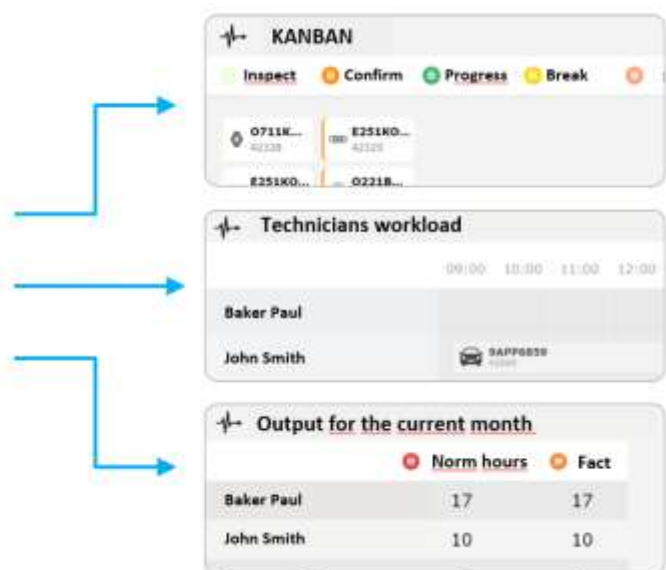
You can also set any additional statuses that are assigned to the work order.

The peculiarity of Kanban is that one work order can have several statuses. For example, one technician does electrical work and the status is “In progress”, while another does the suspension and needs “Attention of a foreman”.

According to the work plan, when the workshop foreman assigns a performer to work order, you can see changes on the TV panel. If the auto mechanic is currently performing work or is on pause, this is also visually presented on the screen.

Interface examples

Kanban



Tire and wheel accounting module

Purpose

Designed to automate tire accounting and save history. It allows the repair shop to record all repairs and replacements.

Principle of operation

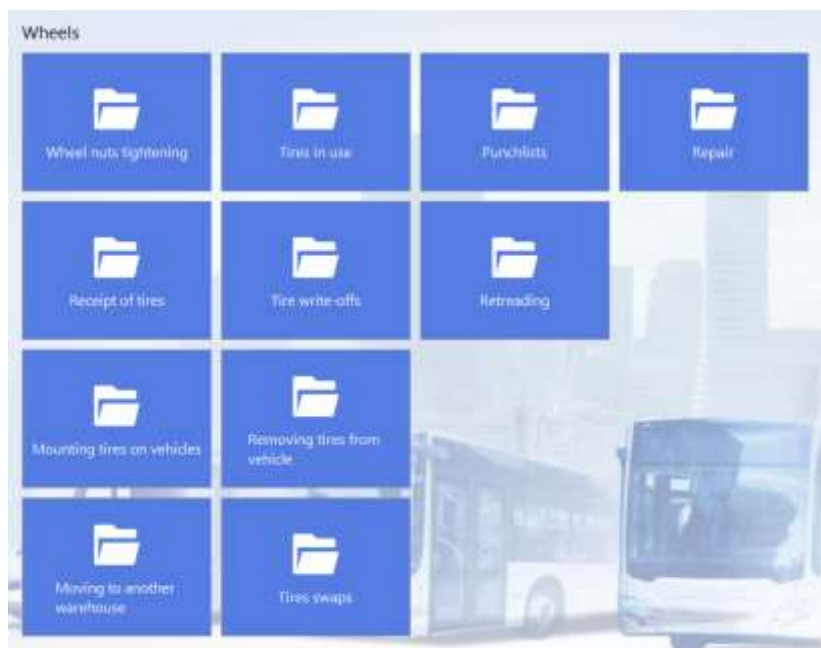
Each tire has a serial number and specifications. FleetGarage allows you to record the entire operating cycle of tires, view the history of each tire and conduct an analysis to select the optimal tire model based on mileage.

Functionality

- Tyre number registration: (purchase, mounting/demounting, repairs, protection, repositioning, relocation, defect detection, write-off).
- Complete history, taking into account the date and mileage of the tread and cord.
- Configuration of wheel formulas with graphic display.
- Control of tread depth with setting of values in the work order.
- Mechanism to control the traction of the wheel after the repair according to the mileage (min/max/expired).
- Wear uniformity control.
- Mobile application for an Android tablet for the field team to record the fact of broaching.

Interface examples

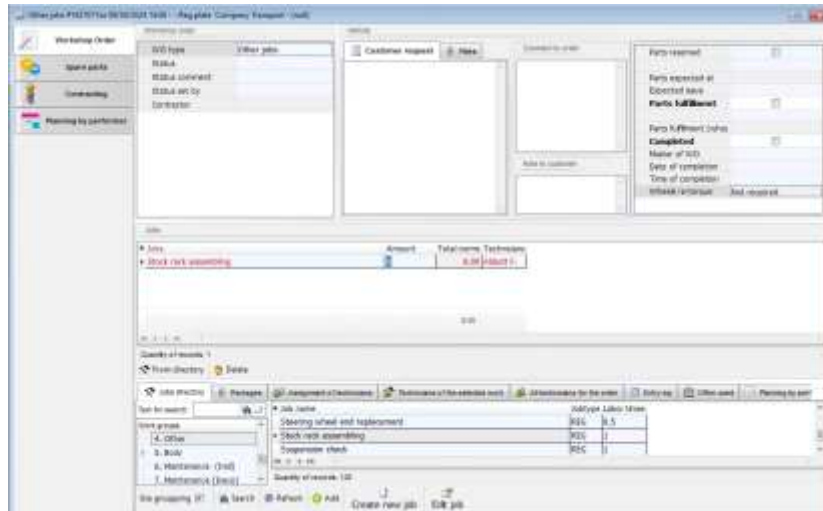
All functions



- Accounting for planned (normative) and actual labor costs due to the marks of performers for this category of work orders
- Recording execution

Interface examples

Editing a work order for other work



“Autoinformer”

Purpose

Reduce repair time through notifications/reminders to employees.

Principle of operation

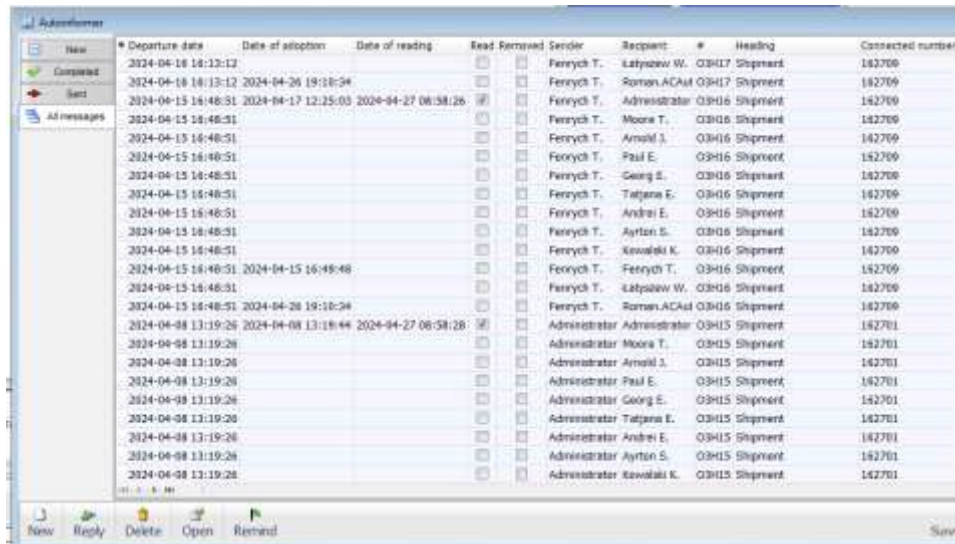
When certain events occur, the system sends notifications to employees via email or other channels.

Functionality

- There is a setting for at least 5 basic events - standard notifications
- Ability to add and customize your events
- The text of messages is formed using tags
- Ability to configure for a group or specified users
- Various alert channels, including:
 - Built into the system
 - Email
- Possibility of sound notification

Interface examples

“Autoinformer” event log



Departure date	Date of adoption	Date of reading	Read	Removed	Sender	Recipient	#	Heading	Connected number
2024-04-16 16:12:12			☐	☐	Ferryck T.	Latsishev W.	03H17	Shipment	162700
2024-04-16 16:13:12	2024-04-26 19:18:34		☐	☐	Ferryck T.	Romon.ACAst	03H17	Shipment	162709
2024-04-15 16:48:51	2024-04-17 12:25:03	2024-04-27 06:58:26	☒	☐	Ferryck T.	Administrator	03H16	Shipment	162700
2024-04-15 16:48:51			☐	☐	Ferryck T.	Moore T.	03H16	Shipment	162700
2024-04-15 16:48:51			☐	☐	Ferryck T.	Arnold J.	03H16	Shipment	162709
2024-04-15 16:48:51			☐	☐	Ferryck T.	Paul E.	03H16	Shipment	162700
2024-04-15 16:48:51			☐	☐	Ferryck T.	Georg E.	03H16	Shipment	162700
2024-04-15 16:48:51			☐	☐	Ferryck T.	Tatjana E.	03H16	Shipment	162709
2024-04-15 16:48:51			☐	☐	Ferryck T.	Andrei E.	03H16	Shipment	162700
2024-04-15 16:48:51			☐	☐	Ferryck T.	Ayrtzen S.	03H16	Shipment	162700
2024-04-15 16:48:51			☐	☐	Ferryck T.	Kowalski K.	03H16	Shipment	162700
2024-04-15 16:48:51	2024-04-15 16:48:48		☐	☐	Ferryck T.	Ferryck T.	03H16	Shipment	162709
2024-04-15 16:48:51			☐	☐	Ferryck T.	Latsishev W.	03H16	Shipment	162700
2024-04-15 16:48:51	2024-04-26 19:18:34		☐	☐	Ferryck T.	Romon.ACAst	03H16	Shipment	162700
2024-04-08 13:19:26	2024-04-08 13:18:44	2024-04-27 06:58:26	☒	☐	Administrator	Administrator	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Moore T.	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Arnold J.	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Paul E.	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Georg E.	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Tatjana E.	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Andrei E.	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Ayrtzen S.	03H15	Shipment	162701
2024-04-08 13:19:26			☐	☐	Administrator	Kowalski K.	03H15	Shipment	162701

Ability to customize events

Salary	▶	
Employees	▶	
Workshop	▶	
Other	▶	
CRM	▶	
Warehouse	▶	
Accounting	▶	
Budgeting	▶	
Aggregates	▶	
Autoinformer	▶	Events messages for user groups
Translation editor		Events messages for departments
Common parameters		Events messages for user

Certificates of Competence

Purpose

Allow only those with a certificate to perform certain jobs.

Principle of operation

- Certificates of competence are entered in the log.
- Certificates are assigned to performers (technicians), indicating the validity period.

The job specifies which certificate is required to perform the job.

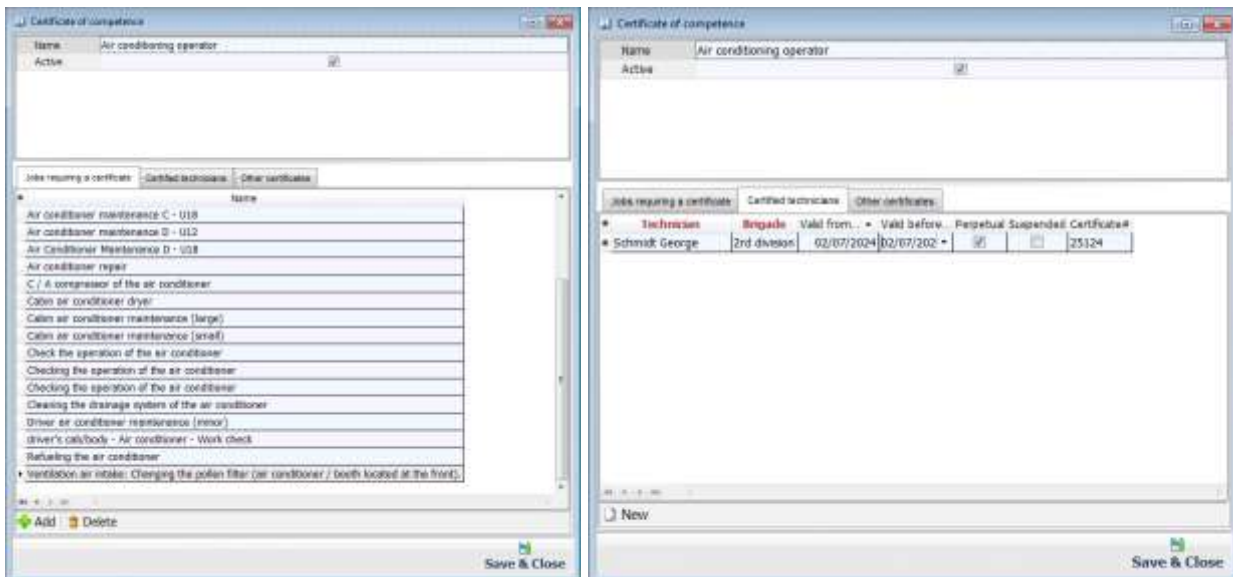
Functionality

Workers can be classified according to their level (with appropriate certificates). The software allows you to mark certain jobs that are only available to properly certified personnel. The system automatically controls access to special tasks that require qualifications (certificates), i.e. it is impossible to appoint a worker who does not have the appropriate certificate to perform such work.

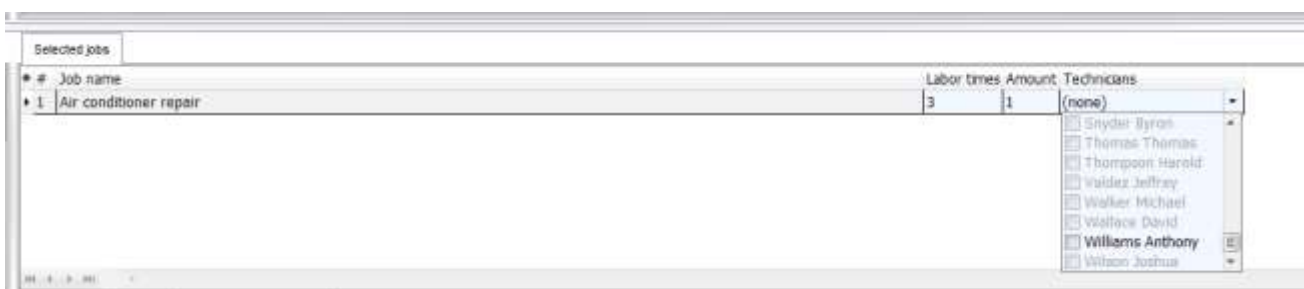
When processing the request to the workshop order and when editing work orders and assigning operators, the system checks whether a certificate is required for this work and whether the assigned worker has one. If they do not have it, they cannot be assigned to the job. Jobs in the list are marked with a flag.

Interface examples

Setting up certificates



Control of certificates in work orders



Reports

Purpose

Reports are necessary for analysis and management decisions to improve the efficiency of operations and repairs.

Principle of operation

The module allows you to select a report, period and additional parameters. Reports are displayed in a built-in interface and can be saved as PDF files.

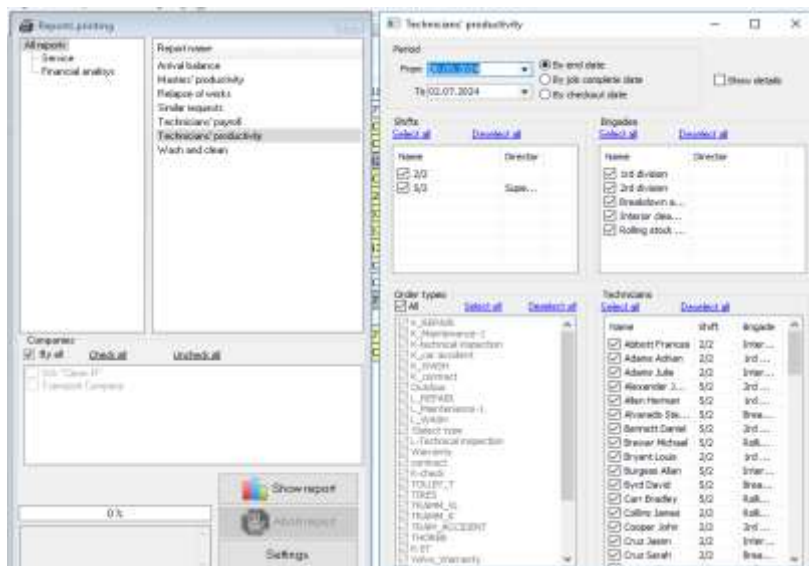
Functionality

The system includes the following reports:

- All transport (All Vehicles)
- Balance of races (Arrival Balance)
- Report for the fleet (Fleet Total)
- Development of Performers (Locksmith Productivity)
- Broach wheels (Wheel re-tightening)
- Rating (Rating of jobs)
- Rating (Rating of spare parts)
- Relapse jobs
- Key Indicators (KPI)

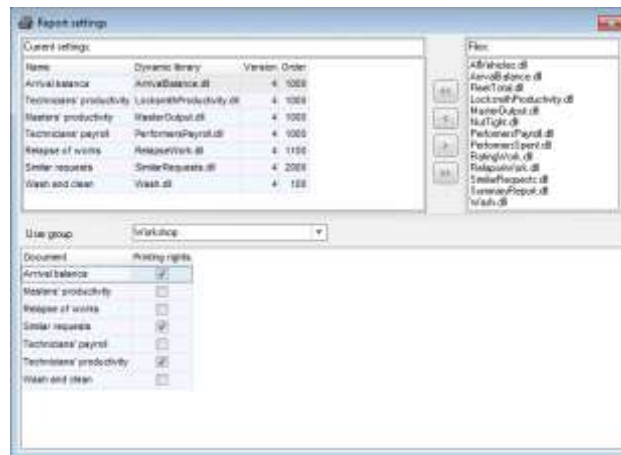
Interface examples

Report selection form



The image shows two overlapping software windows. The left window, titled 'Report selection', contains a list of report categories on the left (All reports, Service, Financial analysis) and a list of specific reports on the right (Arrival balance, Master's productivity, Ratings of weeks, Single requests, Technicians' payroll, Technicians' productivity, Wash and clean). It also has a 'Companies' section with 'All' and 'Transport Company' options, and a 'Show report' button. The right window, titled 'Technicians' productivity', shows a 'Period' selection (From: 01.07.2024, To: 02.07.2024) with radio buttons for 'by end date', 'by job complete date', and 'by checkout date'. It features two tables: 'Shifts' and 'Brigades', each with 'Select all' and 'Deselect all' buttons. Below these are 'Order types' and 'Technicians' lists, each with 'Select all' and 'Deselect all' buttons. The 'Technicians' list shows names, shifts, and brigades.

Setting up reports



Sample of report

Service						
Output of technicians 30.05.2024 to 02.07.2024						
Order types: All. Work shifts: All. Technicians: All.						
#WO	Job	GAR #	Vehicle	Spent time	Labour times	Efficiency, %
Total				17:53	39:17	219
Work shift: 2/2				0:01	2:11	
Brigade: 2rd division				0:01	1:41	
Hakkinen Andrei				0:01	1:41	
Aggregate				0:01	1:08	
16270	ABS diagnostics		- -	0:00	0:30	
16270	Air conditioner maintenance B - U18		- -	0:01	0:38	
K-technical inspection				0:00	0:33	
16271	Electrical work (diagnostics, short circuit, open circuit)	1919	MAN ME 18.255	0:00	0:30	
16271	Gearbox oil level	1919	MAN ME 18.255	0:00	0:03	
Brigade: Interior cleaning				0:00	0:30	
Abbott Frances				0:00	0:30	
Work shift: 5/2				17:52	37:06	207
Brigade: 2rd division				17:52	37:06	207
Alexander John				0:00	28:06	
Bennett Daniel				0:00	2:00	
Rice Elmer				17:52	7:00	39

Warehouse module

Purpose

The Warehouse module is designed to manage warehouse operations.

Principle of operation

FleetGarage system contains the following directories and logs:

- Spare parts and materials directory and all related directories (groups, types, units, and 5 more directories);
- Logical and physical warehouses;
- Financially responsible persons;
- Orders to supplier;
- Moves;
- Supplies;
- Inventory;
- Etc.

Implemented FIFO cost depreciation.

Goods receipt documents are used to replenish the warehouse. For write-offs - work orders and write-off documents.

Functionality

- Control of the quantity, location and condition of warehouse stocks;
- Forecasting demand for inventory;
- Inventory movement tracking;
- Management of receipt, write-off, return and transfer of goods;
- Product order management;
- The history of each item associated with the repair order;
- Storage;
- Inventory;
- Barcoding;
- Etc.

Interface examples

Spare parts and materials

[illegible]

PU1059X - MANN (MANN & HUMMEL) - Fuel filter element D2366 LF

Item	Code	PU1059X
Manufacturer	Manufacturer	MANN (MANN & HUMMEL)
Stock dynamics	Name	Fuel filter element D2366 LF
Movement	Analogue	
Cost off	Purchase price	
Availability	Margin %	40.00
Info from catalogs	Do not recalculate sales price	
Our photos and files	Sale price	56.00
	Description	
	Parts Group	1.02 Filter
	Bar code	2600003941674
	Part type	Spares parts
	Search code	PU1059X

Storage

Warehouse: Row Rack Shelf Cell Rest Storage location Minimum stock

M					0	
1 W	1	A	3	12	32	1-A-3-12 28

OK Cancel

Analogue

Manufacturer	Code of manufacturer	Name	Sale price	Stock
MANN	51125030109	Fuel filter, MANN, 7,2894874, 51125030109	63	123
HENGST	0422KPO88	Fuel filter MAN TG-A/L/H D20/28	81	73
MANN	PU1059X	Fuel filter, (MANN)	81	93

Analogue from the autocatalog Analogue from suppliers

Spare parts in workshop document

Workshop Order: 1010700 for 05/04/2024 13:00 100LARS Volvo 12 (CNS) Reg plate HBY 525VVT (n40)

Workshop Order

Spare parts

Code	Manufacturer	Name	Storage location	Amount	Warehouse Rent	Date reserve	To whom used	Order number	Supplier
8025044	MARSHALL	Rear disc pads 25244 SL 287.6x13/706/75/ MARSHALL	1.A.2.12	1	19				
46004	Volvo	oil filter	2.B.4.4	1	0			TTCT2404131	Aviva
9551281	DOHARDSON	oil filter 13000 km Volvo/RV/Scania	1.B.4.5	1	78				
834884	Volvo	Filter insert	4.C.8.7	1	0			TTCT2404131	Aviva

4 00

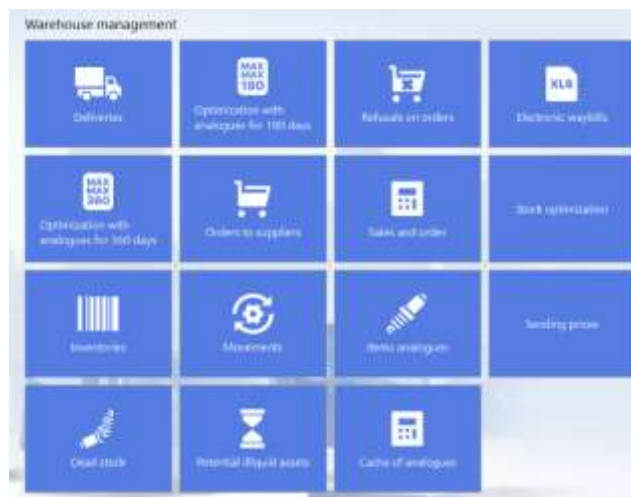
Quantity of records: 4

Product Directory

Part name

Code	Bar code	Part name	Q1 stock	Unit	Sale price	Purchase price	Manufacturer	Analogue	Search code
W18EX90	2888900046736	Spark plug 3031	75	pc	81.00	45.00	LYMX (JP)		W18EX90
258202022	2888900015250	Glow plug 360 diam	63	pc	188.00	190.00	BOGCHI		258202022
X0402TT#4	2888900044666	Spark plug 401544	94	pc	26.00	21.00	LYMX (JP)		X0402TT#4
DRL13Y1	2888900034645	Spark plug	181	pc	275.00	220.00	BRISK		DRL13Y1
RER8MC	2888900041957	Spark plug	113	pc	13.00	10.00	CHAMPION		RER8MC

General warehouse management section



Deliveries

There are unread messages: 2 - [Deliveries]

Man Menu Windows Send message to developers Message log

Date	Received	Supplier	Warehouse	Payment	Consignment	Sum	Currency	Sum
17/04/2024	37	17/04/2024	City Motor Company	Main	Unpaid	16403.6	Euro	
17/04/2024	36	17/04/2024	City Motor Company	Main	Unpaid	1684.4	Euro	
17/04/2024	35	17/04/2024	TransCargo	Main	Unpaid	10642.84	Euro	
17/04/2024	34	17/04/2024	AutoTransCo.	Main	Unpaid	176	Euro	
11/04/2024	33	11/04/2024	Aviva	Main	Unpaid	20	Euro	
11/04/2024	32	11/04/2024	TransCargo	Main	Unpaid	12856.08	Euro	
11/04/2024	31	11/04/2024	TransCargo	Main	Unpaid	57096.9	Euro	
11/04/2024	30	11/04/2024	TransCargo	Main	Unpaid	112702.91	Euro	
11/04/2024	29	11/04/2024	TransCargo	Main	Unpaid	13183.33	Euro	
11/04/2024	28	11/04/2024	Cepolec	Main	Unpaid	291	Euro	
25/02/2024	27	25/02/2024	DriverWare	North	Unpaid	825	Euro	

Content

Group	Code	Name	Am on RE	Price	Received	Sum	Received
1.81. Spare	500354692	Car HEXAGON BOLT	16	10	17/04/2024	160	96
1.81. Spare	5010207582	Ca ROD	2	5	17/04/2024	10	96
1.81. Spare	5010401959	Ca TIE ROD	2	3	17/04/2024	6	96

Part, material delivery

Delivery Number: 34 Filed: 17/04/2024 Expected: 17/05/2024 ☐ Consignment ☒ Received: 17/04/2024 Total amount: 20	Provider AutoTransCo. Invoice # [] from [] Delivery document # [] from [] VAT invoice # [] from []	Recipient Stock: Main Note: Utworzone na podstawie zgłoszenia dostawcy # T1CT24B41704 Synchronization	Payment Sum: 176 Sum in base cur.: 176 Not paid for ☒ Incl. VAT: 20 VAT: 29.34 Payment method: Bank Currency: Euro Rate: 1
--	---	---	---

Code	Name	Amount	Unit	Price with VAT	Sum	Accepted	Row	Rack	Shelf	Cell
500354692	HEXAGON BOLT	16	pc	10.0000	160	☒	F	2	4	12
5010207582	RDD	2	pc	5.0000	10	☒	A	1	2	4
5010401959	TIE ROD	2	pc	3.0000	6	☒	A	1	3	54

Inventory Optimization Module

Purpose

The module uses a range of algorithms and analytical tools to help determine the optimal level of stock, ensure that there is no excess stock in the warehouse that leads to additional costs, and identify excess stock for write-offs and write-downs.

Principle of operation

The system analyses the dispatch of spare parts by work order over six months or a year. Calculates average monthly and average daily sales. Calculates the optimum quantity based on stock policy. It then analyses how much is in stock, how much is in reserve, how much is ordered, how much is on the way and offers to place an order for each part.

The following parameters are also taken into account:

- Target storage level in days;
- Safety stock in days;
- Delivery period;
- Frequency of orders;
- Manual optimal quantity;
- Inventory control class;
- Special control class.

The illiquid stock control module identifies dead stock for configured categories. For example, from 1 year to 2 years, from 2 years to 3 years, etc. For each of the illiquid classes, the system allows you to set rules for write-offs and write-downs.

Functionality

FleetGarage allows you to configure the parameters described above.

Warehouse optimization:

- Calculate the optimal quantity.
- Calculate the quantity to order.
- Place an order for the supply of spare parts.

Non-liquid assets:

- Make calculations and identify illiquid assets.
- Assign classes.
- Write-down / write-off.

Interface examples

Warehouse optimization module



Code	Manufacturer	Name	Average monthly use	Average monthly stock (all warehouses)	Stock class	In stock	Reserve	Unordered	In release	Available balance	Optimal stock	Ordering stock qty (MR)	Last purchase price	Minimum stock (manual)	Minimum quantity per order	Ex. order
300354881	Corrocor	HEXAGON BOLT	2.87	2.87	9						1	0	10		1	1.08

Code	Manufacturer	Name	Part name	Amount	Price	Subt.
400912	TECHNOC	Water regulator generator 20V 23-40A Diesel Tactrol		1	40	40
400913	TECHNOC	Water regulator generator 20V 23-40A Diesel Tactrol		1	40	40

Module for working with illiquid assets



Code	Bar code	Manufacturer	Name of item	ICC class	Without movement, months	On stock	Sum in stock	Average cost	Anal. markup	See price	Storage location	Last Delivery	Date	Last supplier	Select
200213	2009000844808	SPW	Wheel nut BRV	F	0-12	43	643	15.20%	10		1	03/05/2023		StarTrustParts	☐
32050466000120	20090008117246	WAGNER	ABS rotation sensor (direct)	H	24 and more	124	6150	49.6.27%	63		1	04/05/2023		StarTrustParts	☐
WATER	2009000844743	RICORBERG	Welding machine	F	0-12	54	2438	45.15.29%	58		1	01/05/2023		StarTrustParts	☐

Washing and cleaning accounting module

Purpose

The module is designed to receive and manage orders for cleaning and/or washing vehicles, control the execution of orders, automate cleaning accounting and store history

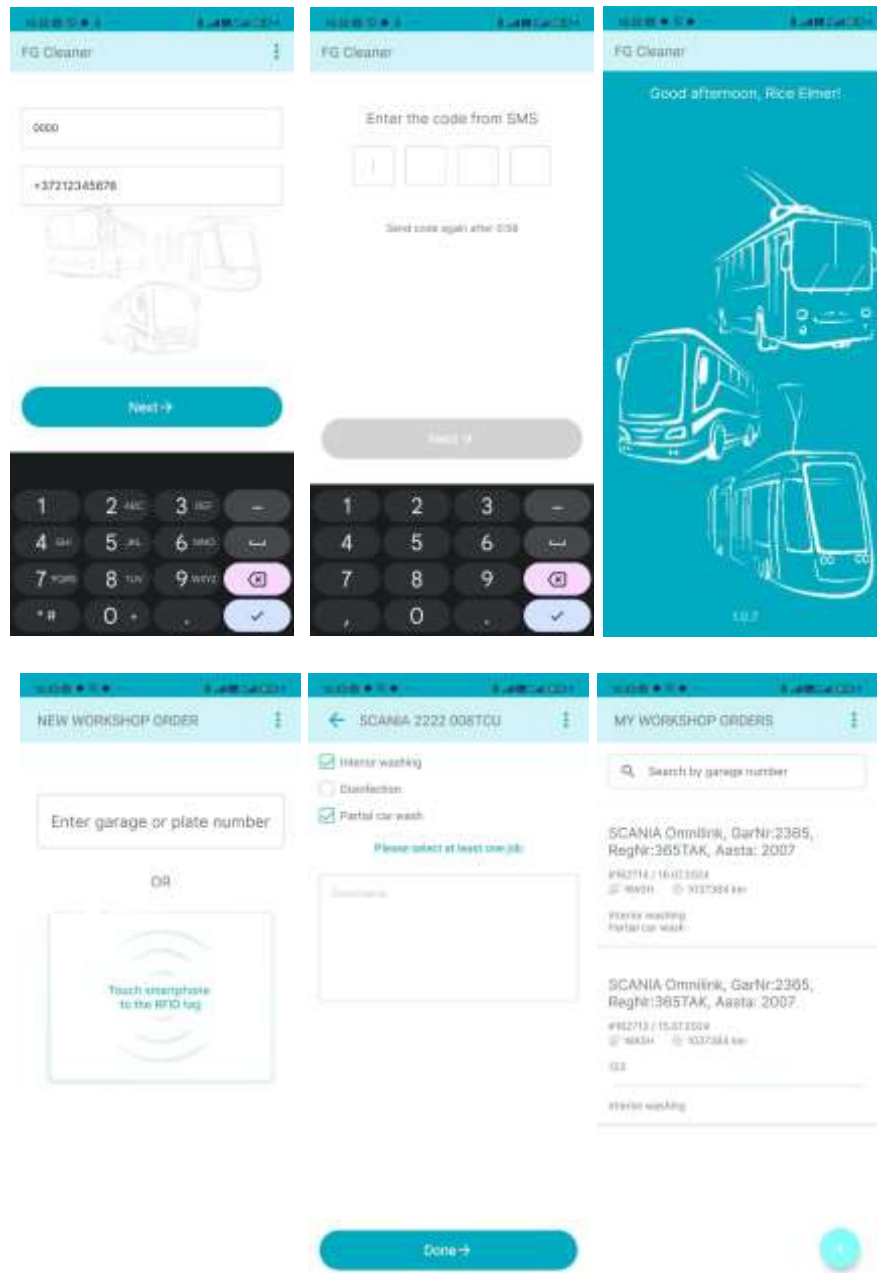
Principle of operation

- The head of the washing and cleaning department sets parameters, authorised work and rights.
- RFID tags are installed on vehicles.
- Washers and cleaners use a special mobile application
- At the start of the cleaning, the cleaners scan the RFID tag or enter the license plate number / garage number.
- Select jobs they are authorised to perform.
- If damage to the interior is detected during the process, an appropriate comment is made
- Mark completion of work
- Washing and cleaning are listed on a separate tab in the work order history.
- The vehicle repair history does not include washes.
- The manager can generate a report with information on the volume and composition of the work done by each washer/cleaner.
- The manager receives a notification via Autoinformer" of any interior problems found during the cleaning process.

Functionality

- The mobile application is suitable for smartphones, tablets and other mobile devices (Android operating system).
- The mobile application supports RFID (Radio Frequency Identification) wireless identification technology, which uses radio waves to transmit information. RFID tags are used to identify vehicles.
- The vehicle directory allows each vehicle to be assigned a type of cleaning and the frequency with which it should be carried out (by mileage or period).
- The mobile application allows you to specify the type of cleaning (manual or automatic car body wash, interior cleaning, wet or dry seat cleaning, engine washing, etc.).
- The history of washing and cleaning is stored in a separate tab in the work order log.
- It is possible to display a report on the output of individual or all cleaners/washers.

Interface examples



Roadside assistance module

Purpose

A web application that can be used on a tablet or smartphone, which allows you to record work on the road. Such as: towing the car to a repair shop or on-site repair.

Principle of operation

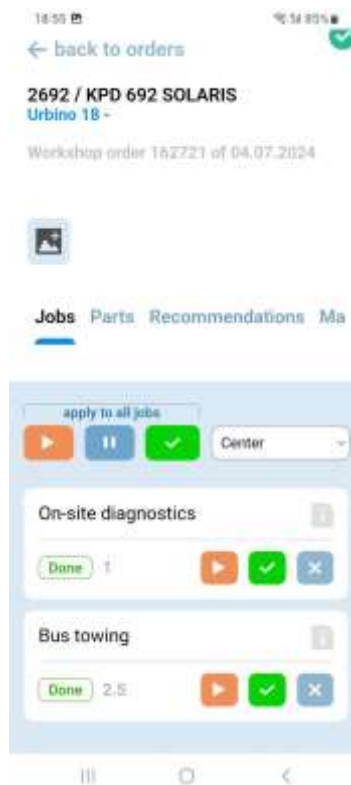
A member of the field team logs in on a smartphone or tablet using his or her personal number, indicates the vehicle on which the work was performed, indicates acceptable work, notes the actual assistance time spent, and marks the start/end of the work.

A special type of work order is created, containing details of the worker who carried out the fieldwork and the scope of the work.

Functionality

- Set up a list of acceptable off-site work for users.
- Extended registration via SMS and authorisation by personnel number.
- Measurement of actual labour costs.

Interface examples



Checking the tightness of wheel screws

Purpose

The module is designed to control the tightening of wheel nuts after repairs involving the removal and replacement of wheels. Allows you to reduce the number of detours due to a wheel falling off while driving.

Principle of operation

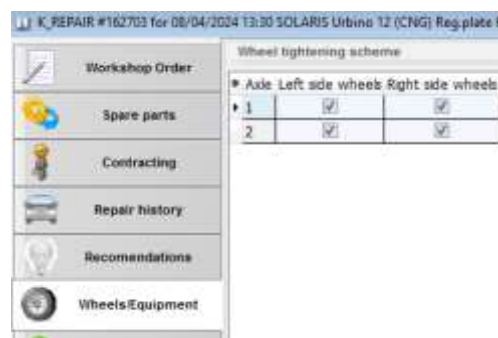
- Some operations are indicated in the database with a note that the wheel nuts must be checked for tightness when carrying out the operation.
- If such job is included in the workshop order, before completing the job it is necessary to indicate which wheels need to be pulled, with the option of randomly tightening either on the side or along the axle.
- When the calculated mileage is reached, a task is automatically generated for the field team to check the wheel tightness.
- The mobile application for Android OS and tablet adaptation displays a list of vehicles to be checked.
- When an employee checks the tightness, they mark "Wheels are tight".
- Wheel tightness check data is stored in a separate log.
- If the tightening is not done on time, the transport is marked with a special colour. It is possible to configure a notification about the absence of a tightening check.
- It is possible to generate a report with the output of the craftsmen, indicating the number of tightened wheels and the number of vehicles.

Functionality

- Special types of repair orders related to wheel removal and check the tightening interval are specified in the vehicle directory.
- A list of vehicles requiring a tightening check is automatically generated.
- Tasks for tightening the wheels are automatically created, in which you must specify the formula of the vehicle's wheels and the location of the wheels that need to be tightened.
- The employee must record the fact of tightening the wheels in the app.

Interface examples

Markings in the work order which wheels to check



Wheel tightening log

FlotGage (Therap Company) [Administrator] - [Wheel nuts tightening]

File Edit View Windows Send message to developers ... Message log

Workshop order #	Plate	Garage #	Vehicle	Fleet	Last workshop order	Workshop order mileage	Current mileage	Mileage after repair
182348	1810CJ	7801	IVECO Trakker Crossway LE 38T	MC1	02/08/2023	325483	380235	38487
182358	1820CJ	7878	VOLVO Hybrid 7500 B5UH	MC1	02/08/2023	411387	436297	34800
182359	7720CJ	3802	SCANIA P41E	MC1	02/08/2023	490758	521208	34800
182358	8520CJ	7988	MAN LE 30.38E	MC1	01/08/2023	1879481	1113291	34800
182343	1050CJ	6576	SCANIA P36M	MC1	01/08/2023	388425	601205	34800
182343	1088CJ	7108	Renault MASTER VC PV00 MBT710	MC2	01/08/2023	144807	221607	34800
182344	7720CJ	3802	SCANIA P41E	MC1	01/08/2023	496758	501308	34800
182777	8540CJ	7854	Volkswagen CRAFTY CSMA	MC3	31/07/2023	135678	156728	21108
182333	0807CJ	2022	SCANIA Super Mirror L213 C00L8 QY 736	MC2	31/07/2023	1888384	1093184	34800
182338	1088CJ	7108	Renault MASTER VC PV00 MBT710	MC2	31/07/2023	144807	221607	34800
182337	8520CJ	7988	MAN LE 30.38E	MC1	31/07/2023	1879481	1113291	34800
182338	1088CJ	7108	Renault MASTER VC PV00 MBT710	MC2	31/07/2023	144807	221607	34800
182348	8020CJ	3802	VOLVO CARGUS Bus, coach body	MC1	31/07/2023	187974	141876	34800
182341	1120CJ	2314	MAN Lion's City LE A78 Bus 8+AC	MC1	31/07/2023	128887	155787	34800

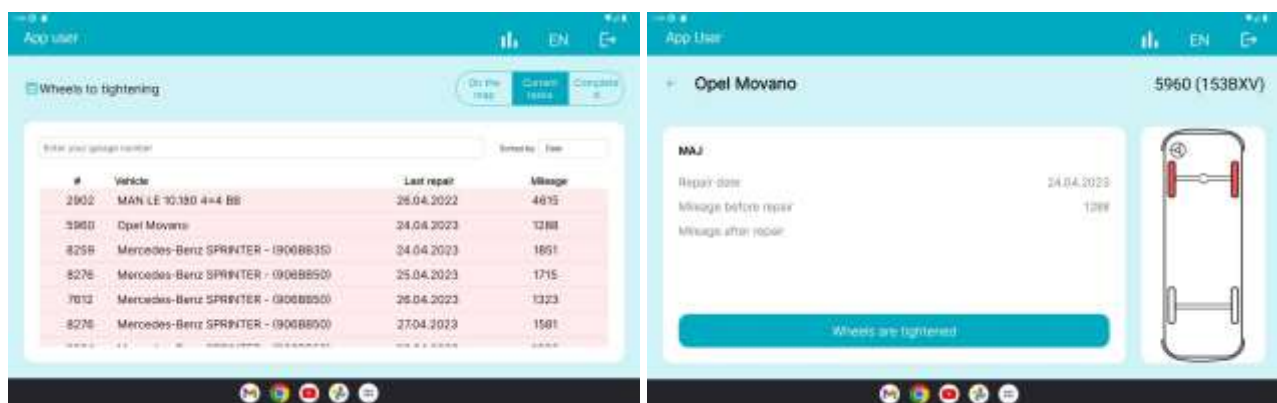
Wheel re-torque scheme

1. Left side wheels Right side wheels

2. Left side wheels Right side wheels

3. Left side wheels Right side wheels

Mobile application



KPIs

Purpose

The module allows you to set targets based on data generated by the software and track actual results. The system is configured with 6 main indicators. Data is generated for the previous month and earlier.

Principle of operation

The system is preset with the following indicators:

- Technical readiness coefficient;
- Number of requests with repeated problems;
- Number of line departures;
- Total number of vehicles serviced;
- Number of vehicle repairs per mechanic;
- Transport costs per 100 km;
- Number of cleanings/washings carried out

Functionality

- Set the target value of the indicator in the system.
- Report with key indicators.

Interface examples

Financial analysis		
Fleet KPI June 2023		
KPI	Target	Actual
Readiness factor (transport availability). Total.	90	89
Fleet: Buses	95	97
Fleet: Trolleybuses	85	80
Fleet: Trams	90	91
Number of requests "Same problem"	2	1
Fleet: Buses	2	-
Fleet: Trolleybuses	2	3
Fleet: Trams	2	1
Number of requests "Unexpected route interruption"	1	2
Fleet: Buses	1	-
Fleet: Trolleybuses	1	5
Fleet: Trams	1	-
Total number of vehicles serviced	243	207
Fleet: Buses	250	300
Fleet: Trolleybuses	200	220
Fleet: Trams	300	100
Total serviced vehicles per technician (car mechanics)	4	4,1
Fleet: Buses	4	4,4
Fleet: Trolleybuses	4	3,2
Fleet: Trams	4	4,8
Service costs per 100 km	33	35
Fleet: Buses	30	25
Fleet: Trolleybuses	40	50
Fleet: Trams	30	29
Number of cleanings/washes	1 385	1 515
Fleet: Buses	1 000	1 200
Fleet: Trolleybuses	1 500	1 335
Fleet: Trams	2 000	2 010

Road accident log

Purpose

The log is intended to record the circumstances of an accident and monitor the status of cases for settlement with insurance companies.

Principle of operation

The data on the case is updated through interaction with insurance companies and those involved in the incident.

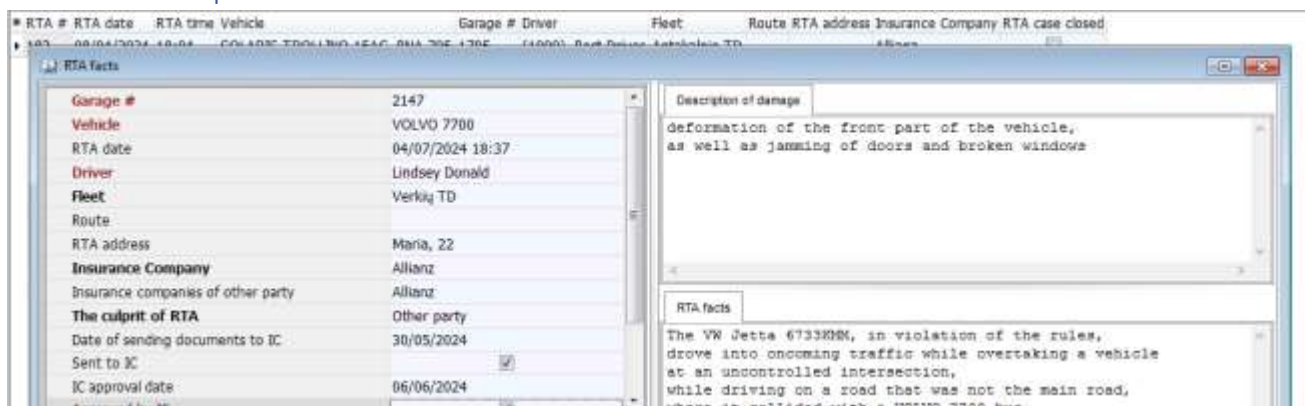
Functionality

The log allows you to keep track of the following parameters:

- Date of the traffic accident;
- Guilt of the customer's driver (guilty/innocent/mutual/under investigation);
- First name, last name, driver's personnel number;
- Information on your transport;
- Type of vehicle (trolleybus, bus), transport unit;
- Vehicle route;

- Data on the second participant in the accident (make, model, registration number, garage number of the vehicle);
- Description of the traffic accident;
- The ability to take and attach a photo/video or attach another document;
- The log records information about the consideration of the insured event;
- Insurance company where the customer's Vehicle is insured;
- Insurance company of the second party to the accident;
- Injury case number;
- Affected persons;
- Damage;
- Compensated damage;
- Losses;
- Status of the case (under investigation/fully resolved);
- Ability to create a repair request based on an accident.

Interface examples



RTA #	RTA date	RTA time	Vehicle	Garage #	Driver	Fleet	Route	RTA address	Insurance Company	RTA case closed
103	04/07/2024	18:37	VOLVO 7700	2147	Lindsey Donald	Verkiq TD		Mania, 22	Allianz	

RTA Facts
Garage # 2147 Vehicle VOLVO 7700 RTA date 04/07/2024 18:37 Driver Lindsey Donald Fleet Verkiq TD Route RTA address Mania, 22 Insurance Company Allianz Insurance companies of other party Allianz The culprit of RTA Other party Date of sending documents to IC 30/05/2024 Sent to IC ☒ IC approval date 06/06/2024
Description of damage deformation of the front part of the vehicle, as well as jamming of doors and broken windows
RTA facts The VW Jetta 6T330806, in violation of the rules, drove into oncoming traffic while overtaking a vehicle at an uncontrolled intersection, while driving on a road that was not the main road, where it collided with a VOLVO 7700 bus.

Integration module with mileage loading

Purpose

The module allows you to automatically download daily mileage for vehicles. Input interface: email, file or API. FleetGarage system integrated with PikasMOB.

Principle of operation

The module for loading daily mileage according to a schedule accesses the monitoring system via API and reads the mileage data. In the case of email integration, the FleetGarage robot reads the specified mailbox and downloads the file. A comparison is made based on the vehicle's registration number. The current mileage of the vehicle is increased by the additional mileage per day. The date of the mileage update is recorded. The result is recorded in the mileage log.

Functionality

- Ability to retrieve daily mileage in different ways: via API, from email, from file.
- Checks for restrictions.
- Possibility of mass loading in case of missed data acquisition.
- Possibility of initial update of absolute mileage value.

Interface examples

Vehicle directory. Tab "Mileage log".

Vehicle card				
Vehicle details Mileage log Attached files Tires				
* Date mark	Prev	Extra mileage	Current	
01/07/2024	155687	100	155787	
30/06/2024	155587	100	155687	
29/06/2024	155487	100	155587	
28/06/2024	155387	100	155487	
27/06/2024	155287	100	155387	
26/06/2024	155187	100	155287	
25/06/2024	155087	100	155187	
24/06/2024	154987	100	155087	
23/06/2024	154887	100	154987	
22/06/2024	154787	100	154887	
▶ 21/06/2024	154687	100	154787	
20/06/2024	154587	100	154687	
19/06/2024	154487	100	154587	
18/06/2024	154387	100	154487	
17/06/2024	154287	100	154387	

Open API

To develop any integration with other systems, you can use a documented and extensible API.

Opportunities for integration with third-party software

FleetGarage system can be integrated with other software. For example:

- Accounting systems;
- Personnel accounting and management systems;
- Filling of technical fluids;
- Refueling;
- GPS / GSM monitoring;
- Business analysis tools (Power BI, Qlik Sense, ReportsNow etc).

Reports examples

List of vehicles

This report will show you all or filtered transport list.

Garage #	License plate number	VIN	Year	Brand	Model
41131	1500000	SUU241163JB	2018	SOLARIS	Urbino 12
45128	1500000	SUU241163JB	2018	SOLARIS	Urbino 12
45136	1500000	SUU241163JB	2018	SOLARIS	Urbino 12
41165	1500000	SUU241163JB	2018	SOLARIS	Urbino 12
45144	1500000	SUU241163JB	2018	SOLARIS	Urbino 12

Vehicle repair balance

This report shows you which vehicles are repaired more than one day. And help you to control long-term repairing.

Finances

Balance of arrived and issued vehicles from 01.02.2023 to 26.04.2023

Fleets: all. Departments: all

Management		Plovimas/valymas.			
Date	At the begin	Arrived	Issued	At the end	Vehicles remain for next day
20.02.2023	0	3	3	0	
23.02.2023	0	1	0	1	1530
24.02.2023	1	0	0	1	1530
25.02.2023	1	0	0	1	1530
26.02.2023	1	0	0	1	1530
27.02.2023	1	0	0	1	1530
28.02.2023	1	0	0	1	1530

The productivity of foremen

This report shows you productivity and efficiency of foremen (master of workshop, mechanic).

Service

Output of jobs masters 26.04.2022 to 26.04.2023

Departments: All. Order types: All. Job groups: All. Mechanics: All.

Date	#WO	GAR #	Vehicle	Kokku
Total				17
Department: Management				8
Administrator				8
Kėbulas remontas				1
14.03.2023				1
	2	1618	Skoda 14 TR 13	1
Plovimas/valymas				2
20.02.2023				2
	8	1111	Skoda 14 TR 11	1
	9	1112	Skoda 14 TR 11	1
Remontas				1
22.02.2023				1
	14	31208	SOLARIS Urbino 12	1
TECHNINĖ PRIEŽIŪRA				4
20.02.2023				1
	10	1113	Skoda 14 TR 11	1
22.02.2023				1
	7	1530	Skoda 14 TR 02	1
03.03.2023				1
	1	1530	Skoda 14 TR 02	1
14.03.2023				1
	3	07439	VOLVO 7700A	1

Wheel tightening

This report shows productivity and efficiency of field workers, who responsible for wheel nuts checks and re-torque. Also show if exists expired tightening's.

Service

Wheels tightening from 01.01.2023 to 26.04.2023

VKO: All

Date	GAR#	VKO	Vehicle	Tightening task	Wheels qty	Milage after repair	Expired
Administrator					4		0
23.02.2023	1530	Antakalni io TD	Skoda 14 TR 02	1L, 1R, 2L, 2R	4	149	
Total					4		0

The rating of the works

This report shows how efficient workshops technicians (car mechanics) perform popular works.

Finances

Rating of jobs from 30.11.2022 to 26.04.2023

Companies: By company Vilniaus viešasis transportas, Sort by: By quantity, Order types: TO-1, TO-2, Joksev, Groups of jobs:All

Job name	Qty	Average Labour Times	Average spent time	Average price	Total Labour times	Total sum
2. Transporto remontas (bendrasis)	41,00	0:18	0:00	7,68	12:35	315,00
2.01. A Alyva ir skystis	2,00	0:33	0:00	13,75	1:06	27,50
Alyvos lygio tikrinimas priekinės ašies guoliuose (A)	1	1:00	0:00	25,00	1:00	25,00
Aušinimo skysčio lygio patikrinimas (A)	1	0:06	0:00	2,50	0:06	2,50
2.02. A Po transporto priemone	3,00	0:36	0:00	15,00	1:48	45,00
Paleidimo valdymas (A)	1	1:00	0:00	25,00	1:00	25,00
Stabdžių trinkelų storio tikrinimas ir registravimas (A)	1	0:30	0:00	12,50	0:30	12,50
Patikrinkite po bandomojo važiavimo (A)	1	0:18	0:00	7,50	0:18	7,50
2.03. C Alyva ir skystis	13,00	0:12	0:00	5,19	2:42	67,50
Ašies alyvos lygio patikrinimas (C)	4	0:18	0:00	7,50	1:12	30,00
Aušinimo skysčio lygio ir atsparumo šalčiui tikrinimas (C)	4	0:06	0:00	2,50	0:24	10,00
Automatinės pavarų dėžės alyvos lygio patikra (C)	2	0:12	0:00	5,00	0:24	10,00
Drėgmės separatoriaus (C) tikrinimas	1	0:18	0:00	7,50	0:18	7,50
Alyvos lygio tikrinimas pavarų dėžėje (C)	1	0:18	0:00	7,50	0:18	7,50
Vairo stiprintuvo alyvos lygio patikrinimas (C)	1	0:06	0:00	2,50	0:06	2,50
2.05. C Išorinis valdymas	4,00	0:13	0:00	5,63	0:54	22,50

The spare parts rating

Report shows popular spare parts.

Finances

Rating of spare parts from 30.03.2023 to 26.04.2023

Code	Producer	Title	Amount
120322535	Solaris	Filter	35
85107862a	Volvo	air filter	22

Repeated works

This report was compiled to identify an unusual situation where the same work is being carried out on the same vehicle over a short period of time.

Service Duplicated jobs from 26.04.2022 to 26.04.2023

GAR #	Vehicle	Job name	Qty	Spent time	Total Labour times	Repair orders
1530	Skoda 14 TR 02	Automatinės pavarų dėžės alyvos lygio patikra (C)	2	0:00	0:24	19, 21
1530	Skoda 14 TR 02	Ašies alyvos lygio patikrinimas (C)	2	0:00	0:36	19, 21

Similar repair requests

This report helps to identify if some repairing was not made from 1st time.

Service Request for similar jobs from 27.12.2022 to 26.04.2023

GAR #	Vehicle	Prev. order	Date prev. order	Mechanic	Request #	Request date	Request created by
07773	VOLVO 7700A				142640	15.02.2023	A.
07773	VOLVO 7700A				142660	21.02.2023	s A.
1111	Skoda 14 TR 11				142643	20.02.2023	s A.
1111	Skoda 14 TR 11				142644	20.02.2023	s A.
1111	Skoda 14 TR 11				142645	20.02.2023	s A.
1111	Skoda 14 TR 11				142646	20.02.2023	s A.
1111	Skoda 14 TR 11				142636	09.02.2023	A.
1113	Skoda 14 TR 11	10	20.02.2023	tator	142665	22.02.2023	T.
1115	Skoda 14 TR 11				142654	20.02.2023	s A.
1530	Skoda 14 TR 02	7	19.02.2023	tator	142670	23.02.2023	A.
1530	Skoda 14 TR 02	7	19.02.2023	tator	142675	03.03.2023	s A.
1530	Skoda 14 TR 02	19	03.03.2023	A.	142676	03.03.2023	s A.
1530	Skoda 14 TR 02	19	03.03.2023	A.	142677	03.03.2023	s A.
1677	SOLARIS TROLLINO				142682	13.03.2023	A.
40215	MAN Lion's City G				142651	20.02.2023	A.