

eMyCar-Monitor

Version 5

USERGUIDE

The screenshot displays the eMyCar-Monitor software interface. The title bar reads "eMyCar-Monitor - Free Vehicle Tracker and Fleet Management Software - Unregistered database copy!". The menu bar includes "Application", "General", "Vehicle", "Maintenance", "Calculators & Reports", "Reminder", and "Support". The toolbar contains icons for "Logout", "Administration", "Settings", "SQL", "Variables", "Registration", "About", and "Exit".

The main window shows the "Active vehicle: Ferrari-02". Below this, there are instructions: "Sites - select a site to filter vehicles, partners, people, partlists, part stocks and purchase orders." and "Vehicles - select a vehicle to manage all information belong to that." A table lists vehicles:

ID	Plate	VehicleID	Year	Maker	Model
2	BB-02	Ferrari-02	2016	Ferrari	California
6	DD-06	Lamborghini-06	2018	Lamborghini	gh

On the right, a "Main" panel displays vehicle statistics:

Covered Distance	31490	
First odometer	10	source: Vehicle
Last odometer	31500	source: Service

Below the statistics is a photograph of a red Ferrari California convertible parked on a street. The image is watermarked "OTOMOTO".

At the bottom left, there is a "MOT (certification)" section with a circular progress indicator showing 17% completion.

The status bar at the bottom shows "auto-admin" on the left and the file path "E:\Jazarus\Development\eMyCarMonitor\database\Sample.db3" on the right.

Please note that some details can be differing from the version you are using.

Created by Tamás CSÖRGŐ

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Introduction

First of all, thank you very much for downloading and using my application.

This is a user guide for eMyCar-Monitor, which is comprehensive application to manage all information including costs, history and others, of any vehicle. This system contains a default user interface with user authentication, settings and basic modules.

This application is based on the modular core system, which modules can be launched from the toolbar.

Any feedback is highly appreciated!

Thank you in anticipation!

More information can be found here:

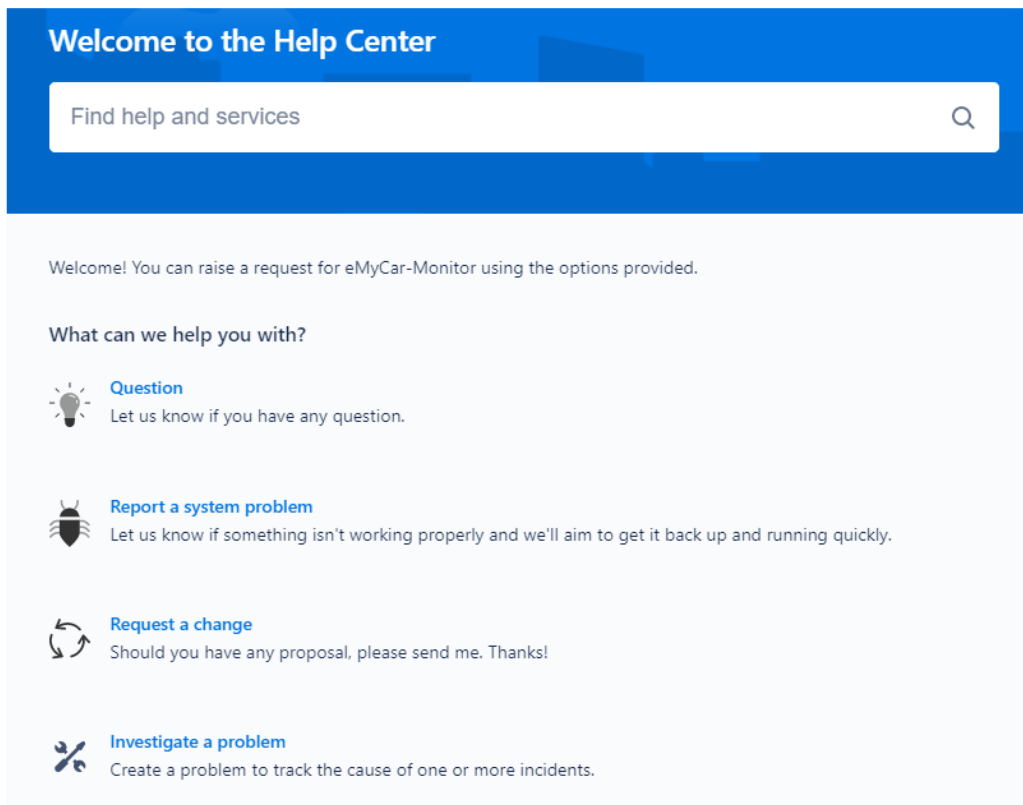
Youtube: <https://www.youtube.com/channel/UCdaUB6H0KqwBHT3Yg-3weww>

Facebook: <https://www.facebook.com/emycarmonitor>

In case of any questions or problems, support can be requested here:

SUPPORT EMAIL: support@team-1624000497347.atlassian.net

SUPPORT HELP DESK SITE: <https://team-1624000497347.atlassian.net/servicedesk/customer/portal/1>







Welcome to the Help Center

Find help and services

Welcome! You can raise a request for eMyCar-Monitor using the options provided.

What can we help you with?

-  **Question**
Let us know if you have any question.
-  **Report a system problem**
Let us know if something isn't working properly and we'll aim to get it back up and running quickly.
-  **Request a change**
Should you have any proposal, please send me. Thanks!
-  **Investigate a problem**
Create a problem to track the cause of one or more incidents.

🔒 Registration is required to see and modify your own ticket on the portal.

Support the development

If you really like this application, please read this page and decide as you think. :-)

Support Page [X]

First of all, thank you very much for using my software!

I hope, you are satisfied with this application and you can use this to your original intention.

As you probably know, the development of this software takes months or years and requires a lot of time and energy.

I do not expect you to pay for it, but if you really like this, please support the development on that way, you prefer.

I am sure, your support will help me to give more encouragement for developing further.

Additionally, I would like to say a thank you for everybody who helps me in the development.
Thank you for your support in advance!.

Visit the Facebook page and like, follow or SHARE that

Fill out a survey

Join to my closed Facebook group

Make translation (google translation correction or new one)

Give additional support, e.g.: create android joined app, etc...

not show again

[OK]

- Visit Official Facebook page
- Fill the Survey out
- Visit Closed Facebook Group
- Application for translator
- Contact with the developer

Additionally, if you think this application is useful for you and would like to keep alive, your donation will help a lot.

Donate [X]

P If you think this application is useful for you and would like to keep alive, your donation will help a lot.

Thank you for your donation in advance!

As I am a hobby programmer (private person), please note that I can not provide any invoice or other document about your transfer!

Donate in EURO

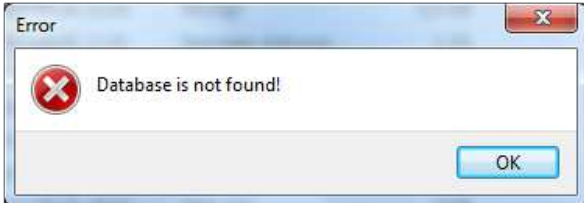
Donate in USD

How to start

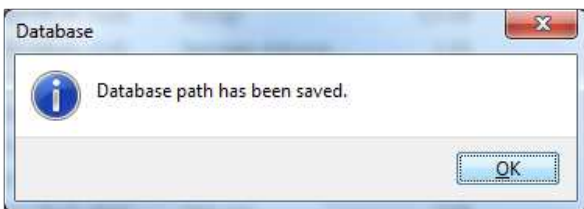
Application has to be started by *eMyCar.exe*. (file name depends on the application name which uses this core system)

At first start, application will ask you to define the database.

Note: from core v8. application will automatically open the default database.




Database = xxxxxx.db3 which is basically located in the "database" folder.



After starting, the login page will be displayed, where the application is waiting for a username and password for that.

User

Password

 Login

🔒 Default setting is to start with auto-admin function – login without password with "auto-admin" username.

Login

Please select your user name and type your password then click on to the Login button.

Application will log into the Dashboard or About module.

In case of missing or wrong password, following message will be displayed.

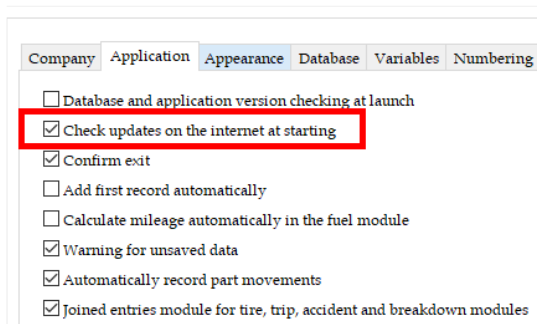


You will be able to reach module(s), which are allowed for you by the administrator.

🔒 User records are stored in the database, so if you change the used database, user information will change as well. It is highly recommended to use only one database from the beginning.

How to upgrade an installed application

This application can detect if a new version is available. This function can be set or disabled in the settings.



In case of new version, following screen will appear containing some basic information about the new release. (*this picture is just a sample from the development environment*)



Please click on the Download and Install button, if you would like to upgrade your application.

If you want to postpone this upgrade to a later time, click on the Cancel button and you can work with the application further.



Download status is shown by the indicator gauge.

When download is done, application will be closed and install file launched by the installer. In case of Windows operating system, you need to confirm the starting of the upgrade process.

After finishing the upgrade, application will be launched.

🔴 *Internet connection is required for upgrade!*

🔴 *Please be patient during the upgrade process and wait until it is finished automatically!*

How to upgrade a portable application

Downloaded portable ZIP file contains an “upgrade_files” folder.

You just need to overwrite your existing application files with the files from this folder.

🚫 *Other files are not recommended to overwrite because this may cause data loss or incorrect operation!*

Registration

Why do you need to register?

Registration is only used to see the popularity and distribution of this application. Sorry, if this method disturbs you, but do not forget, this application is completely FREE. Additionally, the registration process is very simple, just takes one minute or less.

Registration can be made on the “About” panel.

The screenshot shows a registration form with the following elements:

- Registration type: Radio buttons for **Home** (selected) and **Business**.
- Input fields for **Name**, **Email**, and **Company**.
- A prominent red stamp that says **REGISTER NOW!**.
- An **Important!!** notice: "Please note that your personal data (Name, Email, Company) are just requested for information purpose and only used locally. They are not sent to other parties! They are stored in encrypted format! These are not mandatory fields!"
- A button: **Generate a Serial Key to this application copy**.
- An input field for **Serial Key**.
- A link: **Get Registration Key**.
- An input field for **Registration Key**.
- A button: **Validate a Registration Key to this application copy**.
- A **Status** field showing **Unregistered**.
- A section for **Company Registration** with a button: **Copy registration key to clipboard**.
- A link: **Get Company Licence Key**.
- Input fields for **Company Licence Key** and a button: **Validate Company Key**.

Please choose the registration type, home or business.

🔴 Home registration allows you to use only one registered database, while business type allows to use more copies.

If you want, fill out the “Name”, “Email” and “Company” fields. This is NOT mandatory. After that click on the “Generate ...” button to create a serial key to this copy.

Please click on the “Get Registration Key” link or visit this site to get a registration key to your serial key:
<http://users.atw.hu/tamascsgo/registration/register.php>

The screenshot shows a "Software Registration" form with the following fields:

- Serial key: 42205789-MM201807162412118-A
- Name: sample
- Email: sample@sample.com
- Company: sample
- Checkbox: I would like to subscribe to email newsletters
- Register button

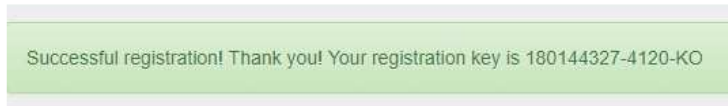
In case of Company Registration, you can obtain a company key from here:

<http://users.atw.hu/tamascsgo/registration/company/register.php>

The screenshot shows a "Software Registration" form with the following fields:

- Serial key: 128481012-4122-KV
- Name: sample
- Email: sample@sample.com
- Company: sample
- Register button

Fill out all fields and click on the “Register”/”Get Company Key” button. Your registration/comapny key will be displayed at the left top corner.



Copy this registration/comapny key into the correct field and click on the “Validate ...” button.

Unregistered version allows only to record 10 records. In case of company registration, 100 starts are allowed to validate the company license key and finalize the registration process.

At the first start, it is highly recommended to check the settings.

Example:

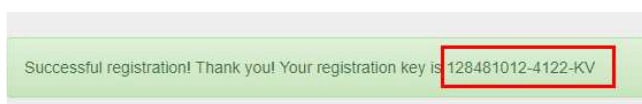
1. Fill out with your data

2. Generate a serial key

3. Request registration key

4. Create a registration key

5. Get registration key



6. Write registration key in

[Get Registration Key](#)

Registration Key

Validate a Registration Key to this application copy

7. Validate registration key

Error

Registration code is accepted, but you need to complete the registration process with a company license key as business user!

OK

Report bug

Registration Key

Validate a Registration Key to this application copy

Status

8. Copy registration key to the clipboard (because that field is inactive, manual selection is not possible)

Company Registration

Copy registration key to clipboard

[Get Company Licence Key](#)

Company Licence Key

Validate Company Key

9. Request company license key

Company Registration

Copy registration key to clipboard

[Get Company Licence Key](#)

Company Licence Key

Validate Company Key

10. Create a company license key

Software Registration

128481012-4122-KV

sample

sample@sample.com

sample

sample

Register

11. Get company license key

Successful registration! Thank you! Your registration key is **387082516**

12. Write company license key in and validate

Company Registration

Copy registration key to clipboard

[Get Company Licence Key](#)

Company Licence Key

Validate Company Key

13. Done

i Successful registration!

OK

🔥 Please note that applications, registered with “Home” type, are only allowed to use on only one computer!

🔥 In case of necessity, on the Administration module, the registration can be reset to default.

Modules

🔴*This numbering must be used if you would like to setup accesses for users.

1. Administration
2. Settings
3. SQL
4. Message
5. About
6. User guide
7. Survey
8. Registration

10. People
11. Partner
12. Document
13. Variables
14. Calculator
15. Query maker
16. Part list
17. Purchase order
18. Part stock
19. Service item
20. Reminder
21. DB import
22. Depreciation
23. Loan
24. Fuel price
25. Search
26. Comparison

30. Vehicle
31. Fuel
32. Expense
33. Tire
34. Trip
35. Income
36. Accident
37. Breakdown
38. Service
39. Service plan
40. Parts used
41. Work order
42. Material
43. Odometer
44. Note
45. Report
46. Reliability
47. Site
48. Movement

- 49. Fleet
- 50. Travel Order
- 51. Report Manager
- 52. Consumptions (Extra's)

- 74. Online Data

- 76. Certificate

How to create a new vehicle

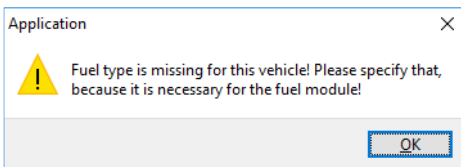
Go to the Vehicle module



Click on the New button and give a vehicle unique ID.

Go to the Unit page and define the fuel type(s).

If you do not do this before saving, application will require that:



Save the new vehicle by clicking on the Save button.

- 🚫 Do not forget to define the FUEL TYPE in the Vehicle/Unit section, because it is used by the FUEL module!!!
- 🚫 It is highly recommended to fill out as many vehicle data as possible, because they are used by other modules.

Email reminders

This application provides two types of email notifications:

- sent when application starts
- sent when application closes

Email server settings need to be set before using this function.

Additionally, Test it! button can be used to check the settings. It will send a sample email.

Company	Application	Appearance	Database	Variables	Numbering	Special	Odometer Accuracy	Reliability Index	Email	Modules																																																																																																			
<table><tr><td>Sender's name</td><td><input type="text" value="Csörgő Tamás"/></td><td><input type="checkbox"/></td><td colspan="7">Send reminders via email when application starts</td></tr><tr><td>Sender's email</td><td><input type="text" value="tamas.csorgo@gmail.com"/></td><td><input checked="" type="checkbox"/></td><td colspan="7">Send reminders via email when application closes</td></tr><tr><td>Receiver's email</td><td><input type="text" value="tamas.csorgo@gmail.com"/></td><td colspan="8"></td></tr><tr><td>SMTP username</td><td><input type="text" value="tamas.csorgo"/></td><td colspan="8"></td></tr><tr><td>SMTP password</td><td><input type="text" value="*****"/></td><td colspan="8"></td></tr><tr><td>Host</td><td><input type="text" value="smtp.gmail.com"/></td><td colspan="8"></td></tr><tr><td>Port</td><td><input type="text" value="587"/></td><td colspan="8"></td></tr><tr><td></td><td><input type="checkbox"/></td><td colspan="8">Full SSL</td></tr><tr><td></td><td><input checked="" type="checkbox"/></td><td colspan="8">TLS</td></tr><tr><td colspan="10"><input type="button" value="Test it!"/></td></tr></table>										Sender's name	<input type="text" value="Csörgő Tamás"/>	<input type="checkbox"/>	Send reminders via email when application starts							Sender's email	<input type="text" value="tamas.csorgo@gmail.com"/>	<input checked="" type="checkbox"/>	Send reminders via email when application closes							Receiver's email	<input type="text" value="tamas.csorgo@gmail.com"/>									SMTP username	<input type="text" value="tamas.csorgo"/>									SMTP password	<input type="text" value="*****"/>									Host	<input type="text" value="smtp.gmail.com"/>									Port	<input type="text" value="587"/>										<input type="checkbox"/>	Full SSL									<input checked="" type="checkbox"/>	TLS								<input type="button" value="Test it!"/>									
Sender's name	<input type="text" value="Csörgő Tamás"/>	<input type="checkbox"/>	Send reminders via email when application starts																																																																																																										
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<input type="button" value="Test it!"/>																																																																																																													

Settings

Two types of settings are.

- user settings – on the Settings panel
- administrator settings – on the Administration panel

User settings – stored in the xxx.ini file in in the folder where exe file is located

Company information

identity

Identity	Insurance	Taxes	
Company Name	<input type="text"/>	Contact name	<input type="text"/>
Tax ID	<input type="text"/>	Contact email	<input type="text"/>
Address	<input type="text"/>	Sales email	<input type="text"/>
City	<input type="text"/>	Support email	<input type="text"/>
State	<input type="text"/>		
ZIP	<input type="text"/>		
Phone #1	<input type="text"/>		
Phone #2	<input type="text"/>		
Fax	<input type="text"/>		
Website	<input type="text"/>		

insurance

Identity	Insurance	Taxes
Policy No.	<input type="text"/>	
Company	<input type="text"/>	
Address	<input type="text"/>	
City, State, Zip	<input type="text"/>	
Agent	<input type="text"/>	
Phone	<input type="text"/>	
Email	<input type="text"/>	
Coverage limits	<input type="text"/>	

🔴 This insurance information can be imported into individual vehicle insurance.

taxes

Identity	Insurance	Taxes
Partcost tax %	<input type="text"/>	0
Materialcost tax %	<input type="text"/>	0
Laborcost tax %	<input type="text"/>	0
Othercost tax %	<input type="text"/>	0
Discount tax %	<input type="text"/>	0
Expense tax %	<input type="text"/>	0
Freight tax %	<input type="text"/>	0

🔴 This tax values are used within part, service and purchase order modules.

Application

Application Appearance Database Variables Numbering Special Odometer Accuracy Reliability Index

Database and application version checking at launch

Check updates on the internet at starting

Confirm exit

Add first record automatically

Calculate mileage automatically in the fuel module

Warning for unsaved data

Automatically record part movements

Total cost control for service, trip, accident and breakdown modules

Date settings

use default setting of operating system

Date format

Date separator

Application language
en
de
de2
bg
cz
dk
es
fi
fr
...

Show reminders only on the main page with STATUS less than (%)

Currency unit

- **Version control of the database and application at launch:** expected version number can be set in the database by the administrator (APPVERSION data). At launch, application can check the versions of the application and from database setting and gives a notification if they differ.
- **Check update on the internet:** application will give a simple message notification when new version is available.
- **Show reminders with STATUS % less than:** on the main page only reminders with less STATUS % will be shown.
- **Add first record automatically:** entering into a module, by default, the add New command will be used.

Appearance

Application Appearance Database Variables

Launch with full screen

Colored records based on their status

Trip additional cost module

Tire additional cost module

Accident additional cost module

Breakdown additional cost module

Service additional part module

- **Launch with full screen:** application will be started with full display size,
- **Grid coloring based on their status:** following method is used

ACTIVE/INACTIVE TYPE:

1. with reminder/due date/due odometer

- grey=inactive
- red=active/expired
- yellow=active/within reminder period/not expired yet
- green=active/in time - reminder period is not reached yet

2. without reminder/due date/odometer

- grey=inactive - done/more action is not required
- blue=active - in progress/more attention is required

OPEN/CLOSED TYPE:

1. with reminder/due date/due odometer
 - grey=closed
 - red=open/expired
 - yellow=open/within reminder period/not expired yet
 - green=open/in time - reminder period is not reached yet
2. without reminder/due date/odometer
 - grey=closed - done/more action is not required
 - blue=open - in progress/more attention is required

Database

Application Appearance Database Variables Numbering Special Odometer Accuracy

Database

H:\lazarus\Development\eMyCarMonitor\database\eMyCar.db3

Backup reminder

reminder for database backup

Backup frequency (day)

30

- **Database:** path of the database. Please note, that in case of “Hidden database method” this will be inactive,
- **Backup reminder:** application will give a simple message notification when new backup is due.

Variables

Application Appearance Database Variables Numbering Special Odometer Accuracy

Reminder - day 15

Reminder - Odometer 500

Default Currency HUF

Decimal 1

Numbering

Application Appearance Database Variables Numbering Special Odometer Accuracy

ID number character length 6

Trip prefix TRP_

Tire prefix TIR_

Purchase order prefix PO_

Work order prefix WO_

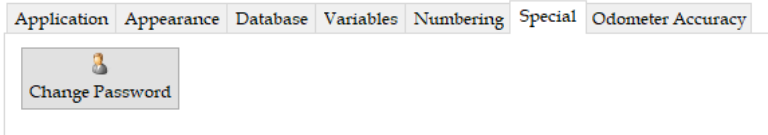
Service item prefix SI_

Part prefix PRT_

apply automatic record ID

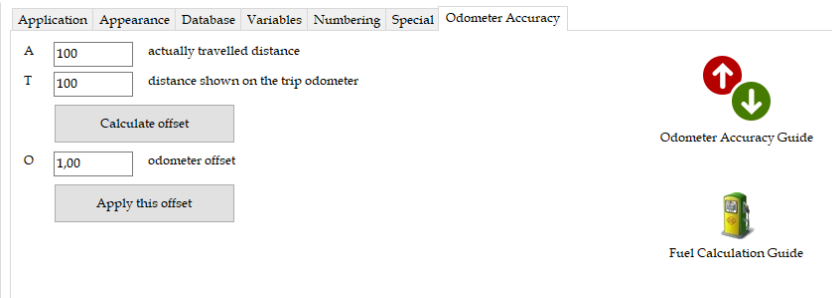
- **Apply automatic record ID:** clicking on the New button, the application will create a record ID according to these settings above.

Special



- **Change Password:** actual user's password can be changed.

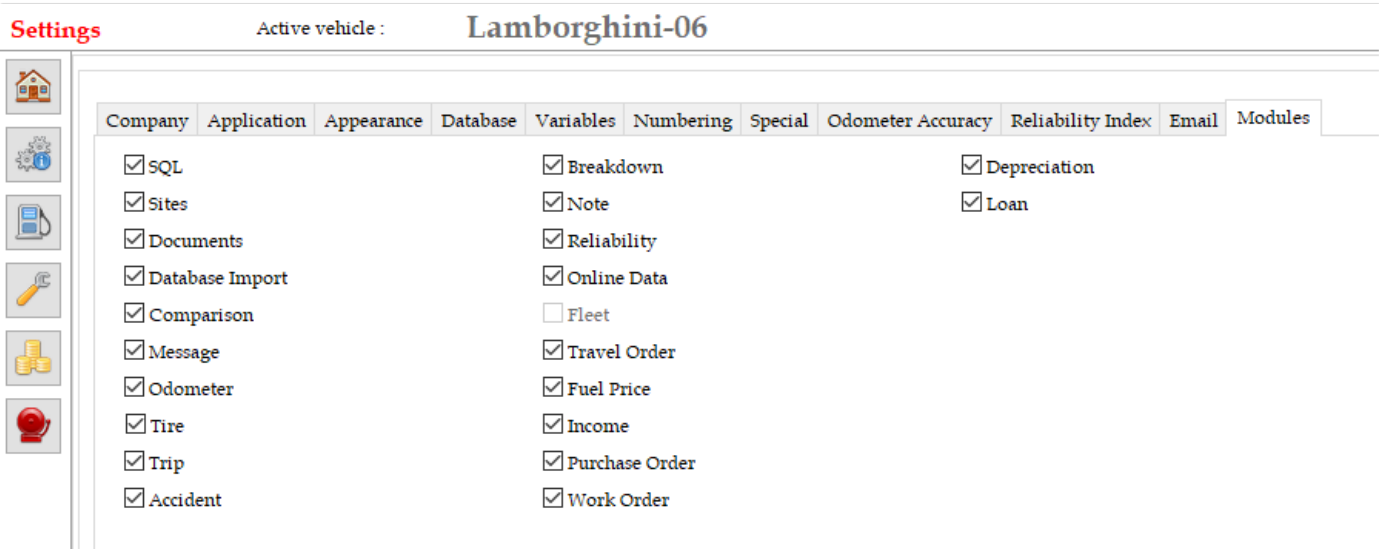
Odometer Accuracy



- **Odometer accuracy:** in case of more vehicles, the odometer does not show the correct value. Using this offset function, you can get the real fuel consumption and mileage information.

Modules

It is possible to enable/disable the most of modules of the application.



Database backup

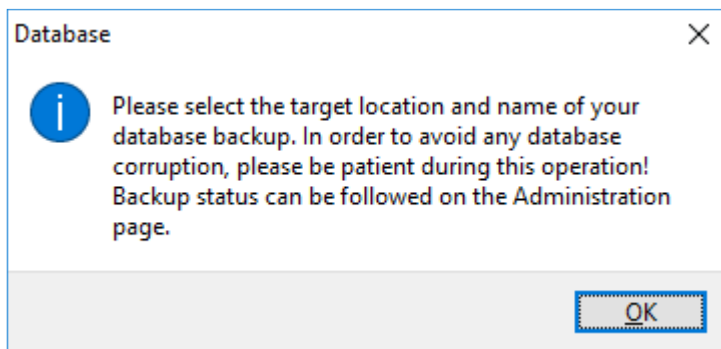
This application contains a function to backup the actual database. Backup means that actual database will be copied into a defined location with the defined filename.

It is highly recommended to set a regular reminder within settings, which will warn you when backup is due.

Backup process can be initiated within Administration module by clicking on the Backup button.

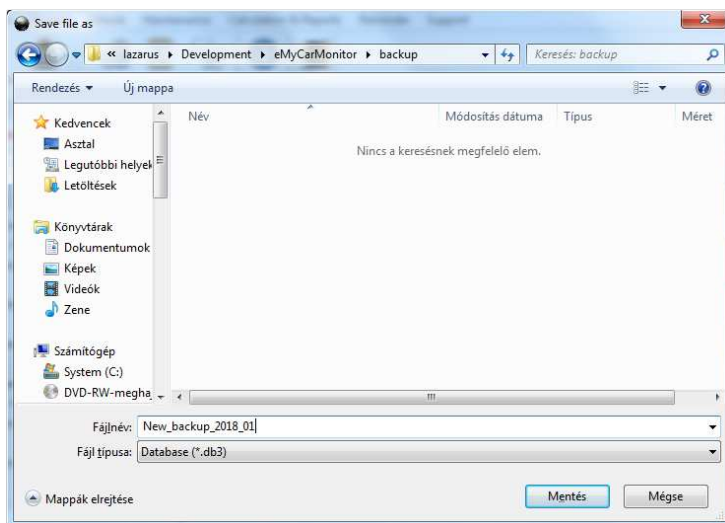


Message says that backup process has been started and you need to specify the target folder and filename.

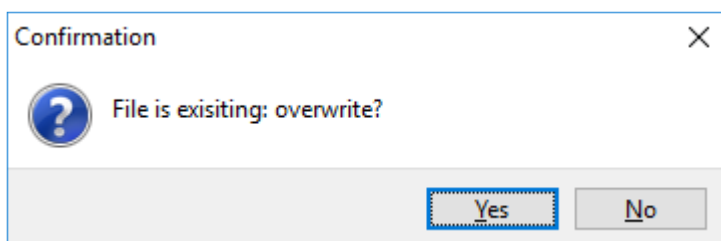


🔴 Depending on the database size, it may take longer to show the next window.

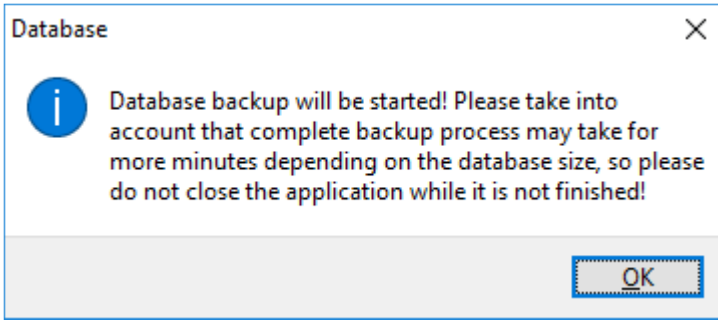
Please define the location and filename of the backup file.



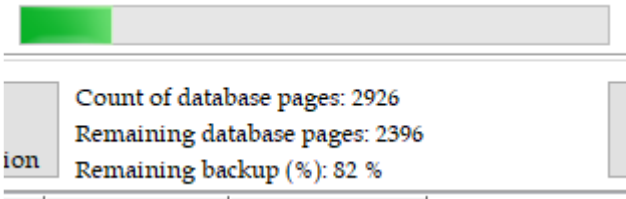
In case of existing target file, following message will be displayed. If answer yes, file will be overwritten. In case of No, backup process is stopped.



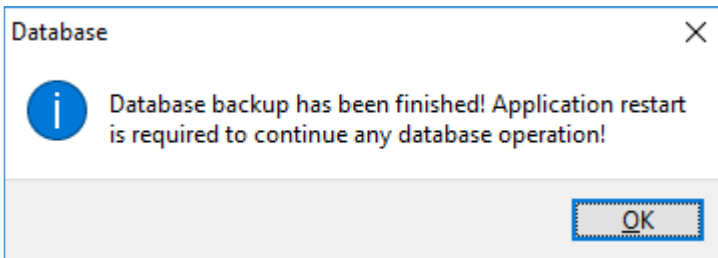
Please click on the Save button.



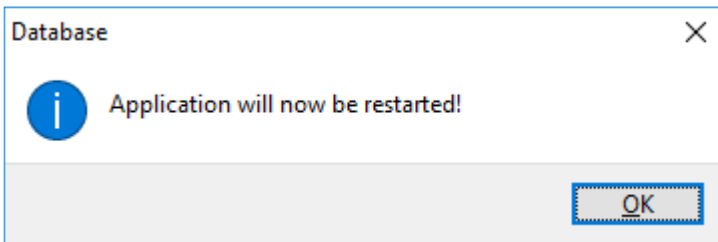
Indicator will show the status of the backup process.



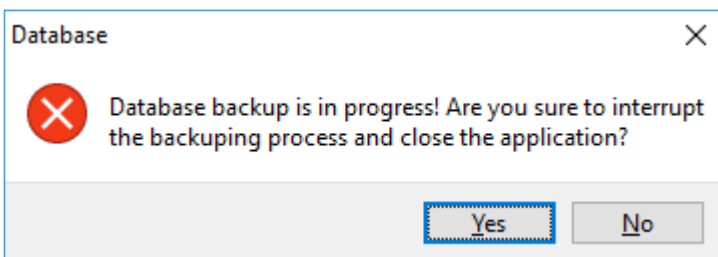
Message says that backup process has been completed.



Application will automatically be restarted.



⚠️ It is not recommended to close the application until backup process is not finished!



General information

This application consists of different modules, but the principle is the same. Similar buttons, similar structure and one database.

Main buttons to handle records.



They are only enabled, when the user selected a record to modify.

Meaning of the buttons:

New – create a new record (without saving)

Save – save the database

Cancel – withdrawn a change which is in progress

Refresh – refresh the database (all tables)

Delete – delete the selected record

Export – export the given table to the selected format

All modules can be reached from the main page.

Using this button, you can go back to the main page from every modules.



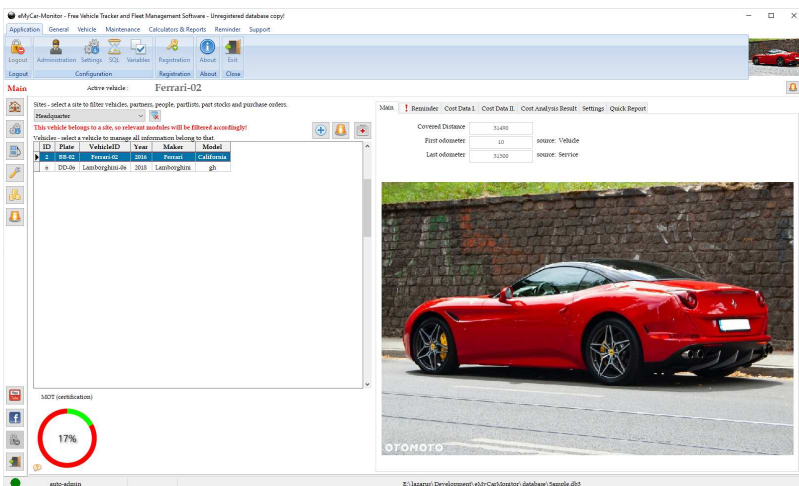
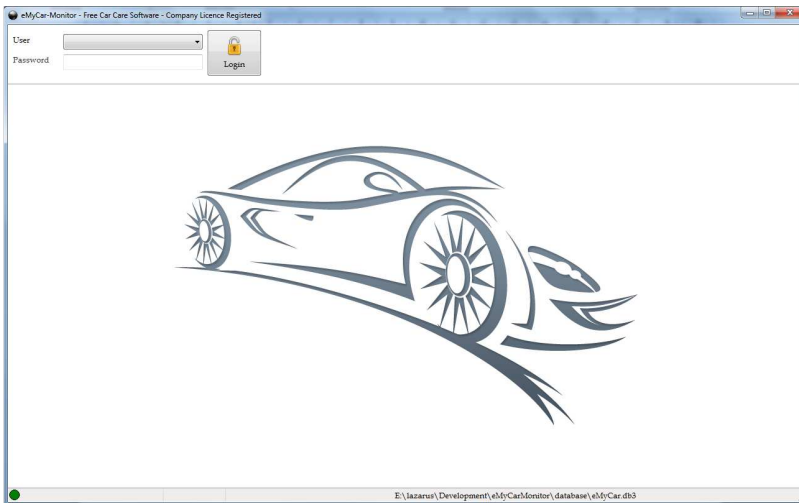
When a new record is added, the mandatory fields are marked with yellow.

User ID	<input type="text"/>
Full Name	<input type="text"/>

Main screen

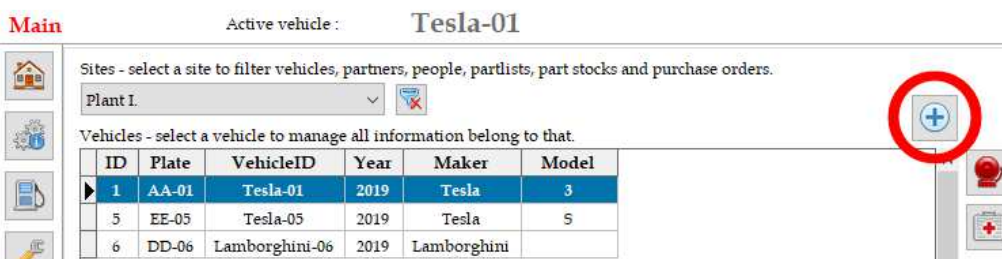
This page consists of available vehicles, links to all modules, statistics and a reminder.

Buttons are enabled according to the user rights, defined in the administration module.



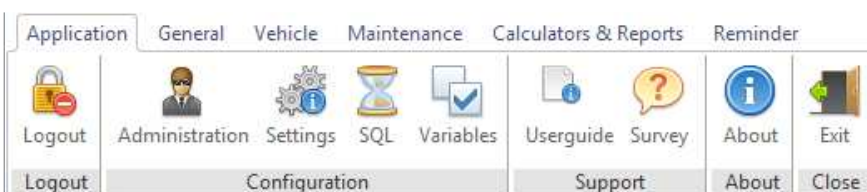
On the main page, active vehicles are only available. *Vehicle can be managed within Vehicle module.*

Using this button, the application will open the Vehicle module directly:

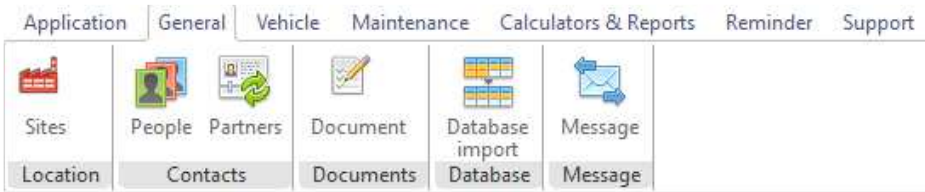


Following modules are available in the three main section (Application, General and Vehicle).

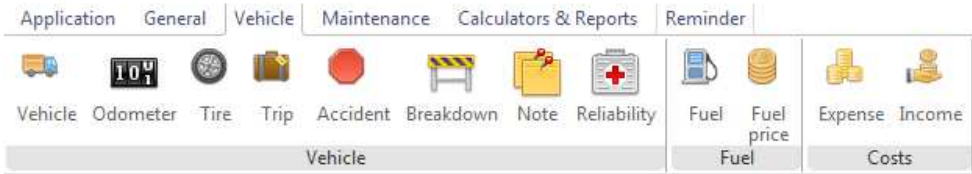
Application:



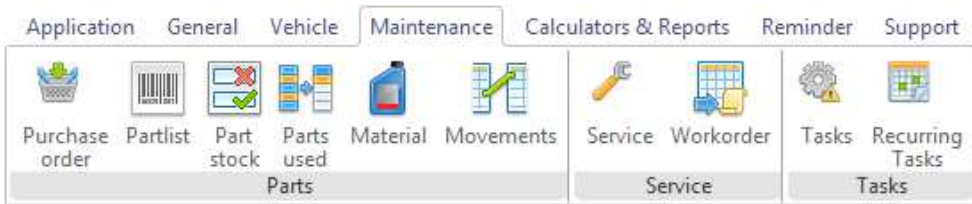
General:



Vehicle:



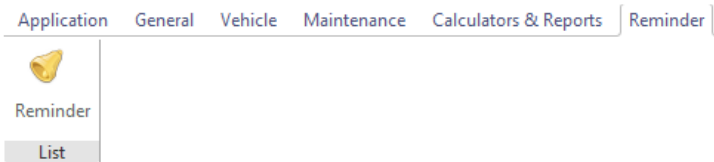
Maintenance:



Calculators & Reports:



Reminder:



Reminder items can be created and modified with the Vehicle / 30. Vehicle / Reminder module.

Reminder STATUS % limit can be set on the Settings / Application page.

Only reminders which correspond to the setting limit definition are shown.


Support:



Statistics of the active vehicle are available on the Cost Data I., II. And Cost Analysis Result page.

On the Settings page, you can specify the items you would like to include into the total cost of the vehicle.

Reminder Cost Data I Cost Data II Cost Analysis Result **Settings**

 Refresh Data

DATA

Distance

Fuel quantity #1

Fuel quantity #2

VEHICLE

Purchase price

Actual value

Leasing

Insurance

License

TOTAL

FUEL

fuel (#1)

fuel (#2)

TOTAL

Reminder Cost Data I Cost Data II Cost Analysis Result **Settings**

EXPENSE **INCOME**

TOTAL TOTAL

SERVICE

part

material

labor

other

TOTAL

TIRE **ACCIDENT**

Tire Accident

Expense Expense

TOTAL TOTAL


TRIP **BREAKDOWN**

Trip Breakdown

Expense Expense

TOTAL TOTAL

Reminder Cost Data I Cost Data II Cost Analysis Result **Settings**

 Refresh Data

Total cost	0
Average total cost	0
Average fuel cost	0
Average fuel cost #1	0
Average fuel cost #2	0
Average service cost	0
Average expense cost	0
Average tire cost	0
Average trip cost	0
Average accident cost	0
Average breakdown cost	0
Average income	0

Please select items you would like to include into the total cost.

Fuel

- Fuel cost #1
- Fuel cost #2

Other

- Expense cost (expense module)
- Income (+ value)

Vehicle

- Purchase price
- Purchase price - residual value
- Leasing
- Insurance
- Licence

Service

- Part cost
- Material cost
- Labor cost
- Other cost
- Total cost
- Maintenance
- Repair
- Recall
- Other
- All

Tire

- Tire cost (from tire)
- Tire cost (from expense)

Accident

- Accident cost (from accident)
- Accident cost (from expense)

Trip

- Trip cost (from trip)
- Trip cost (from expense)

Breakdown

- Breakdown cost (from breakdown)
- Breakdown cost (from expense)

Public message system

This module can be used for example to ask advice from other users or developer via this message system.

ID	OriginID	Date	From	Subject	Message
4	2	2020-09-15 11:05:12	Tamas Csorgo	New release	New version has been released - v5.6!
3	2	2020-09-13 17:40:41	Tamas Csorgo	New release	New version has been released - v5.5!
2		2020-09-11 12:03:27	Tamas Csorgo	New release	New version has been released - v5.4!
1		2020-09-10 10:32:05	Tamas Csorgo	Welcome	Dear Users! I am happy to see you here!

Clicking on the “Get messages” button, the application download messages from the server.

If you would like to send a new message, click on the “Send message” and it will direct you to the web page, where you can create your message online.

Message sending to eMyCar-Monitor applications

Original message ID (leave empty, if this is an initial post and not an answer)

*From (your name or nickname)

*Subject

*Message

Send message to the applications

🚫 Please note that these messages are visible for all eMycar-Monitor users!

It is possible to send answers to an existing message. In this case, please write the original message ID (first “ID” column on the first picture) into the “Original message ID” field.

All messages, related to one topic, can be filtered by the following right click command:

ID	OriginID	Date	From	
4	2	2020-09-15 11:05:12	Tamas Csorgo	
3	2	2020-09-13 17:40:41	Tamas Csorgo	
2		2020-09-11 12:03:27	Tamas Csorgo	
1		2020-09-10 10:32:05	Tamas Csorgo	

Show only selected topic posts

Show all posts

As a result, only the first message, and related sub-messages are listed.

ID	OriginID	Date	From	Subject	Message
2		2020-09-11 12:03:27	Tamas Csorgo	New release	New version has been released - v5.4!
3	2	2020-09-13 17:40:41	Tamas Csorgo	New release	New version has been released - v5.5!
4	2	2020-09-15 11:05:12	Tamas Csorgo	New release	New version has been released - v5.6!

In the Settings, you can enable/disable notification about new message arrival.

Peoples

This module is used to record peoples, including internal and external contacts as well.

The screenshot shows a form with several sections:

- General Data:** Fields for User ID, Full Name (highlighted in yellow), First Name, Last Name, Birth Date (with a calendar icon), and checkboxes for Employee, Driver, Technician, Retailer, Customer, Purchaser, Contact, and Active. A dropdown for Partner (all - partner) is also present.
- Qualifications:** A large empty text area.
- Note:** Another large empty text area with 'Change' and 'Clear' links below it.
- Company Data:** Fields for Department (dropdown with '+'), Cost Center, Hire Start Date, Hire Finish Date (both with calendar icons), Finish Reason, and Responsible for this group (dropdown with '+').
- Documents:** Fields for Licence ID and Health Exam ID.
- Availability:** Fields for Phone, Mobile, Email, Country, City, State, Postal Code, and Address.

🔴 People from this module are used by other modules based on their types (employee, driver, technician, etc...). So, it is very important to fill out this module, before using person information in following modules.

Trainings

For active person (selected), the fulfilled trainings and received penalties can be documented.

The screenshot shows the 'Trainings' tab of a form. It includes a toolbar with 'New', 'Save', 'Cancel', 'Refresh', and 'Delete' buttons. The form fields are:

- Training name: text input
- Training Type: dropdown with '+'
- Date: text input with calendar icon
- Training ID: text input
- Expiration Date: text input with calendar icon
- Status: dropdown with '+'
- Result: dropdown with '+'
- Vehicle Group: dropdown with '+'
- Trainee: text input
- Closed: checkbox

Below the form is a table with the following columns: ID, Training ID, Name, Status, Result, Training Type, Trainee, Expiration. The first row is highlighted in green.

ID	Training ID	Name	Status	Result	Training Type	Trainee	Expiration

Penalties

General Availability Trainings Penalties

New Save Cancel Refresh Delete

Penalty name Fine

Vehicle Penalty Description

Date Expiration

Document ID.

Penalty type Action

Location

Repeated Closed

Note

ID	Date	Name	Vehicle	Location	Type	Fine	Penalty description	Repeated	Closed	Expiration
								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Partners

This module is used to record partners which are connected to any service of the vehicle, handled by this application.

Partner Data	
Partner Code	<input type="text"/>
Company	<input type="text"/>
Name	<input type="text"/>
<input type="checkbox"/> Garage	<input type="checkbox"/> Dealer/supplier
<input type="checkbox"/> Petrol Station	<input type="checkbox"/> Trip location
<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Customer
	<input type="checkbox"/> Other
Note	<input type="text"/> <input type="button" value="v"/> <input type="button" value="+"/>
<input type="text"/>	
<input type="checkbox"/> Active	<input type="checkbox"/> Own Location

Partner Contact	
Contact Name	<input type="text"/>
Phone	<input type="text"/>
Mobile	<input type="text"/>
Email	<input type="text"/>
Country	<input type="text"/>
City	<input type="text"/>
State	<input type="text"/>
Postal Code	<input type="text"/>
Address	<input type="text"/>
Website	<input type="text"/>

🔴 Partners from this module are used by other modules based on their types (garage, manufacturer, petrol station, etc...). So, it is very important to fill out this module, before using partner information in following modules.

Documents

This module is used to record the information about document, related to vehicle, person or both.

Documents
Vehicle
Person (employee)
Document name
Document Type +
Identification
Issued by
Issued on 15
Expires on 15
Note Active

🔴* Attach documents are stored in the database, so please take into account that attaching a lot of documents will increase the database size significantly.

Variables

This module is used to manage lists which are handled by different modules in different fields.

The image shows two screenshots of a software interface. The left screenshot is titled 'List variable' and has a 'Fields' list on the left and a 'Values' table on the right. The 'Fields' list includes items like 'Vehicle Type', 'Vehicle Category', 'Fuel Type', etc. The 'Values' table has columns for the field name, a value, and a checkbox. The 'Kombi' row is highlighted in red and has a checked checkbox. The right screenshot is titled 'Currency ratio' and shows a table with columns for currency code, base currency, rate, and country. The 'HRK' row is highlighted in red. Both screenshots have buttons for 'New', 'Save', 'Cancel', and 'Delete'.

Field	Value	Checked
SUV		<input type="checkbox"/>
Szedán		<input checked="" type="checkbox"/>
Sport		<input type="checkbox"/>
Kombi		<input checked="" type="checkbox"/>

Code	Base	Rate	Country
HRK	HUF	41,3894	Croatia
EUR	HUF	312,9142	EU
PLN	HUF	74,3178	Poland
RON	HUF	67,4391	Romania
SIT	HUF	1,30577	Slovenia
SKK	HUF	10,3868	Slovakia
CHF	HUF	267,716	Switzerland

It contains two databases:

- Lists in general purposes like vehicle types, categories, etc
- Currency converter database

You can manage lists by the buttons above, New, Save, Cancel and Delete.

If you do not need an item, but do not want to delete that, that can be disabled by the checking box.

Do not forget to save the modification, you have made.

Calculators

This module is used to calculate and converter different values, measures, etc.

Please try them individually, maybe you can find them useful.

Fuel Consumption Calculator | Speed Converter | Volume Converter | Consumption Converter | Trip Cost Calculator | Date and Odometer Estimation

Starting Odometer <input type="text"/>	Distance Travelled <input type="text"/>	Consumption (MPG or km/litre) <input type="text"/>
Ending Odometer <input type="text"/>	Σ Calculate	Consumption (litre/100km) <input type="text"/>
Fuel Quantity Used <input type="text"/>		Total Cost <input type="text"/>
Fuel Unit Price <input type="text"/>		Cost per Distance Unit <input type="text"/>

A guide how to collect data for fuel consumption calculation.

Determining an accurate figure for a vehicle's Fuel Consumption can be difficult as there are many factors involved such as road conditions, driving habits, traffic, vehicle maintenance etc. The most accurate way is to keep a log of the amount of kilometers driven and the fuel used to drive those kilometers.

A method to do this is:

1. Fill up your tank until the bowser first clicks 'off'
2. Reset your trip meter to 0 or write down the actual value of the odometer
3. Drive for a distance (the further the better)
4. Fill up your tank again until the bowser first clicks 'off'
5. Make a note of the trip meter or odometer reading and the amount of fuel used to fill your tank
6. Calculate distance travelled if needed from the difference of the two odometer readings

Fuel Consumption Calculator | Speed Converter | Volume Converter | Consumption Converter

<input type="text"/>	km/h =	<input type="text"/>	MPH
<input type="text"/>	MPH =	<input type="text"/>	km/h

Fuel Consumption Calculator | Speed Converter | Volume Converter | Consumption Converter

From	<input type="text"/>	<input type="text"/>
To	<input type="text"/>	<input type="text"/>
Σ Calculate		

Fuel Consumption Calculator | Speed Converter | Volume Converter | Consumption Converter | Trip Cost Calculator

Input Value <input type="text"/>	Kilometre per litre <input type="text"/>
Kilometre Per Litre (KPL) Litre /100km Miles Per Gallon UK (MPG) Miles Per Gallon US (MPG) Miles Per Liter (MPL)	Litre per 100 km <input type="text"/>
	Miles per gallon UK <input type="text"/>
	Miles per gallon US <input type="text"/>
	Miles per litre <input type="text"/>
	Σ Calculate

Average Consumption

Distance

Fuel Unit Price

Fuel Consumption Method
 litre-gal / 100 km-mile
 MPG
 litre-gal / km-mile

Σ Calculate

Required Fuel Quantity

Fuel Cost of this Journey

Average Distance (km or mile per day)

Last fill up date
 2017.12.18

Actual Odometer

Odometer Estimation
 on this date --> 2017.12.18 odometer will be

Date Estimation
 this odometer --> will be reached on 2017.12.18

Planned distance (km, mile)

Calculation method
 litre/100km
 MPG

ON of highway details
 Planned distance
 Average speed
 Average fuel consumption

OUT of highway details
 Planned distance
 Average speed
 Average fuel consumption

Planned rests (type 1)
 Quantity
 Time (min)

Planned rests (type 2)
 Quantity
 Time (min)

Fuel and Cost details
 Fuel price per unit
 Fuel tank capacity
 Fuel tank load at starting (litre,gallon)
 Safety fuel quantity in the tank (%) 10

Additional cost

Calculate

Result
 Number of required fillups
 Reired fuel quantity
 Quantity of fuel need to fillup (litre,gallon)
 Duration of the trip (hour,minute)
 Total cost of the trip

Querymaker

This module is used to create and test query commands for report module.

☛ Unfortunately, the using of this module requires a small knowledge of SQL, but if you have that, you will be able to create any type of report for you, and for other users.

Database queries cab made by SQL commands. On the left side, a basic query maker helps you to create a SQL command. The command can be modified manually, if you want.

It is highly recommended to test the command by clicking on the “Test command” button.

If command is working, you can save that into the database for Report module.

☛ Do not forget to set the query data, like public or not!

The screenshot displays the Querymaker interface. On the left, the 'Query maker' panel includes fields for 'Module' (PARTINVENTORY), 'X axis' (PARTNUMBER), 'Y axis' (INSTOCK), 'Condition' (INSTOCK > 0), 'Group by' (PARTNUMBER), and 'Order by' (PARTNUMBER Ascending). The 'Query command' panel shows the SQL: `SELECT PARTNUMBER, SUM(INSTOCK) FROM PARTINVENTORY WHERE INSTOCK>0 GROUP BY PARTNUMBER ORDER BY PARTNUMBER ASC`. The 'Query data' panel shows 'Created by' (auto-admin) and 'Name' (This is a test report). The 'Result data' table is:

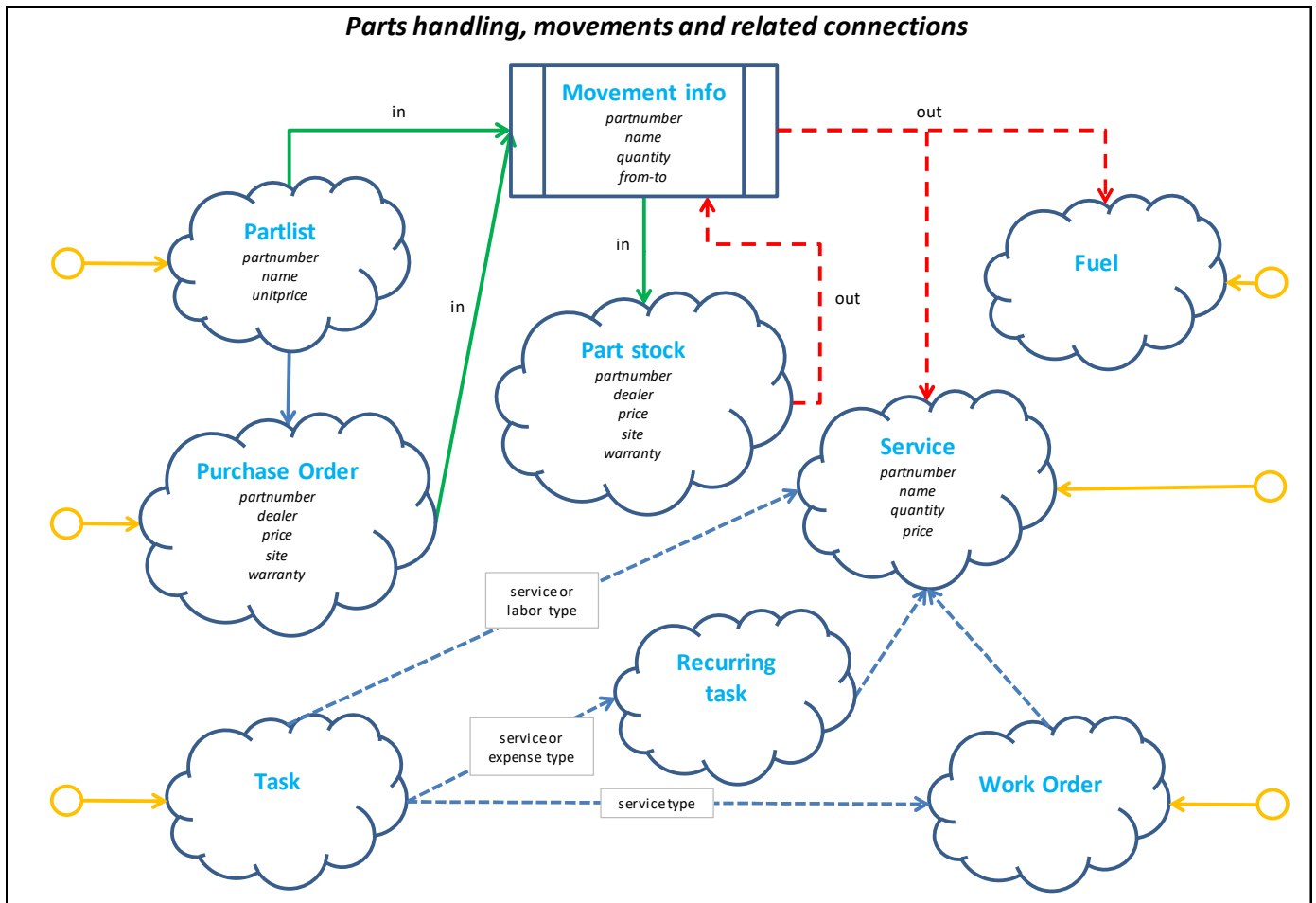
PARTNUMBER	SUM(INSTOCK)
P-0-2-0002	15
P-1-1-0001	578
P-1-3-0003	62

On the right, a bar chart titled 'This is a test report' visualizes the data. The x-axis labels are P-0-2-0002, P-1-1-0001, and P-1-3-0003. The y-axis ranges from 0 to 580. The bars represent the SUM(INSTOCK) values: 15, 578, and 62 respectively.

☛ Should you have a new and fantastic report command and would like to share with other, please send that to me and I will include that into the default setup package with your author name, of course.

Part handling and movements

This picture shows how the parts are moving.



Partlist

This module is used to create and test query commands for report module.

- 🔥 All part usage is based on the part list module. It is not possible to use parts out of this module!
- 🔥 Basically, all parts should be come from a Purchase Order and Book-in, but for “Home” users a “Put in stock” button is available. Using this, you can put into stock any part from the part list module.
- 🔥 Part data should be set correctly, like part, fluid or material, because some report and query are based on that. For example, fluid usage uses only parts, where Fluid marker is set!

The screenshot shows the Partlist software interface. At the top, there are several menu tabs: Part Inventory, Service Plan, Service Item, Parts Used, Material, and DB Import. Below these are various sub-menus and buttons like 'New', 'Save', 'Cancel', 'Refresh', 'Delete', and 'Put in stock'. The main area is divided into two sections. On the left is a 'Part Details' form for part P-1-1-0001, with fields for Partnumber, Supplier ID (1003), Name (Windscreen cleaner liquid - winter), Description, Current Manufacturer, Current Dealer (Part supplier A), Measure (litre), Net (450), Tax (40), Tax % (10), Discount (0), Freight (10), Unitprice (500), and Updated on (2017.12.09). There are also checkboxes for 'Global part', 'Inventory Tracked', 'Part', 'Material', 'Fluid', and 'Active'. On the right is a table with columns: Record ID, Partnumber, Supplier ID, Name, Manufacturer, Dealer, Net, Tax, Discount, Tax %, Freight, Unitprice, Price, and Updated on. The table contains three rows of data:

Record ID	Partnumber	Supplier ID	Name	Manufacturer	Dealer	Net	Tax	Discount	Tax %	Freight	Unitprice	Price	Updated on
1	P-1-1-0001	1003	Windscreen cleaner liquid - winter		Part supplier A	450	40	0	10	10	500		2017.12.09
2	P-0-2-0002	1001	Windscreen cleaner liquid - summer	Part manufacturer B	Part supplier A						125		
5	P-1-3-0003	1002-4000	Bearing - inner - size 20								50		2017.12.05

🔥 Do not forget to set the “Global part” marker. If it is set, the part can be used for any vehicle. If not, part can ONLY be used for the dedicated vehicle!

If inventory tracked is set, the reminder will check the below or above the limit quantities of the active parts and inactive part on stock cases.

It is possible to add FUEL to the part module for that case, when you have an internal FUEL storage and fill-ups are done from that. In this case, you can add FUEL to stock directly from part module or via purchase orders. FUEL fill-ups from own inventory is separately handled in the fuel module.

Part kits

In the part list module you can define part kits also.

- Part Kit
- Part Kit Item

All part kits are listed below.

Part Kit

ID	PartNumber	PartName
1	PRT_000001	Shock absorber
4	PRT_000021	Front lamp

Using the right click function on the part list records, you can add parts to the kits which are listed below too.

ID	Partnumber	Supplier ID	Name	Manuf
1	PRT_000001	0055-3369-4871	Shock absorber	Sa
2	PRT_000002	005	Wheel bearing	SI
3	PRT_000003	005	Engine oil	Mc
4	PRT_000021		Front lamp	

Add Part to Kit

Part Kit

ID	PartNumber	PartName
1	PRT_000001	Shock absorber
4	PRT_000021	Front lamp

>>

Part Kit Item

Cancel Refresh Delete

ID	PartNumber	PartName	Quantity	Measure
1	PRT_000003	Engine oil	1	litre
2	PRT_000002	Wheel bearing	1	pc
3	PRT_000021	Front lamp	1	pc

Part kits are also listed in the maintenance module, where you can add them to the given maintenance record.

Purchase orders

This module is used to order and purchase parts, which after booking will be moved into part inventory. For services, parts can only be used from inventory!

Purchase Order Details

Purchase Order ID: 00003
 Purchase Order User ID: 2017_003
 Purchase Date: [Calendar icon]
 Purchaser: Betatester
 Supplier: Part supplier A
 Net: [Field]
 Tax percent: [Field]
 Tax: [Field]
 Discount: [Field]
 Freight: [Field]
 Other: [Field]
 Total Cost: [Field]
 Expected Date: 2017.12.31. [Calendar icon]
 Invoice ID: [Field]
 Status: Closed
 Closing Date: [Calendar icon]
 Note: [Text area]
 Closed

Record ID	P.O. ID	P.O. user ID	Supplier	Purchaser	Purchase date	Cost	Status
1	00001	2017_001	Part supplier A	Betatester			Pending
2	00002	2017_002	Part supplier A	Betatester			Open
3	00003	2017_003	Part supplier A	Betatester			Closed

AVAILABLE PARTS | **ORDERED PARTS**

All parts (global and all vehicle specific)
 Global or specific to active vehicle
 Only specific to active vehicle

Load Available Parts | Add to Purchase Order

Record ID	Partnumber	Supplier ID	Name	Manufacturer	Dealer	Unitprice	Use for	Warranty day	Warranty odometer
1	P-1-1-0001	1003	Windscreen cleaner liquid - winter		Part supplier A	500	*		
2	P-0-2-0002	1001	Windscreen cleaner liquid - summer	Part manufacturer B	Part supplier A	125	DEF456	31	
5	P-1-3-0003	1002-4000	Bearing - inner - size 20			50	*	0	0

First, you need to create a Purchase Order by clicking on the New button, fill the data in, and Save.

Available parts for ordering can be listed below.

Selected part can be added to the given purchase order. You can do this more times, if you would like to order more parts from the same dealer.

Part Module ✕

How many part would you like to order?

Cost Management ✕

Part has been successfully added!

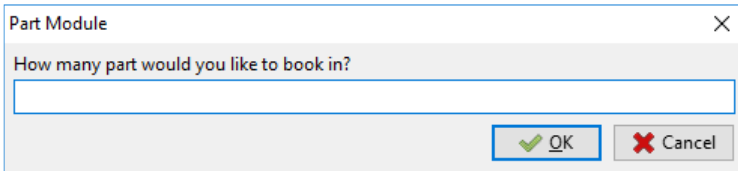
Ordered parts can be seen on the next page below.

AVAILABLE PARTS | **ORDERED PARTS**

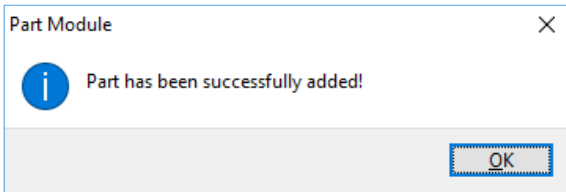
Unitprice:
 Price:

Record ID	Partnumber	Supplier ID	Name	Manufacturer	Dealer	Quantity	Open order	Unitprice	Total price
22	P-0-2-0002	1001	Windscreen cleaner liquid - summer	Part manufacturer B	Part supplier A	100	100	125	12500
23	P-1-3-0003	1002-4000	Bearing - inner - size 20		Part supplier A	100	100	50	5000

After receiving that, you can book them into the part inventory. Ordered quantities will be updated, according to the received quantity.



A dialog box titled "Part Module" with a close button (X) in the top right corner. The main text asks "How many part would you like to book in?". Below the text is a text input field. At the bottom right, there are two buttons: "OK" with a green checkmark icon and "Cancel" with a red X icon.



A dialog box titled "Part Module" with a close button (X) in the top right corner. On the left, there is a blue circular icon with a white lowercase letter 'i'. To the right of the icon, the text reads "Part has been successfully added!". At the bottom right, there is an "OK" button.

🔴 You can create an overall P.O. number for any partners, for that case, when you do not have individual P.O. number. This field will be automatically filled out in the purchase module, when the supplier is selected from the list.

Part stock

This module is used to list available parts in the stock.

These parts come from purchase orders or directly from part list.

For all records, you can specify the location and bin ID as well.

Record ID	Partnumber	Supplier ID	Name	Manufacturer	Dealer	In stock	Unitprice	Price	Booking date	Location	Bin	P.O. ID	P.O. user ID	Use for	Warranty day	Warranty odometer
4	P-1-1-0001	1002-4000	Grease	Part supplier A	Part supplier A	20	50	1000	2017.12.05. 20:42:03	Warehouse II	20005005	00003		ABC123		
5	P-0-2-0002	1002-4000	Grease	Part supplier A	Part supplier A	15	50	750	2017.12.05. 20:42:40			00003		*		
6	P-1-1-0001	1001	Windscreen cleaner liquid - summer	Part supplier A	Part supplier A	3	125	375	2017.12.05. 20:59:46	Warehouse II		00003		ABC123		
7	P-1-3-0003	1002-4000	Grease	Part supplier A	Part supplier A	25	50	1250	2017.12.08. 18:44:17			00003		*		
8	P-1-3-0003	1002-4000	Grease	Part supplier A	Part supplier A	0	50	150	2017.12.08. 21:21:35			00002		*		
9	P-1-3-0003	1002-4000	Grease	Part supplier A	Part supplier A	25	50	1250	2017.12.09. 6:58:58			00003		DEF456		
10	P-1-1-0001		Windscreen cleaner liquid - winter			0	500	4000	2017.12.09. 15:40:27			00001		*		
11	P-1-3-0003		Grease			2	50	100	2017.12.09. 19:42:43			00002		ABC123		
12	P-0-2-0002		Windscreen cleaner liquid - summer			0	125	1500	2017.12.09. 19:53:51			00001		DEF456		
13	P-1-3-0003		Grease			13	50	1200	2017.12.09. 19:53:57			00001		*	31	5000
14	P-1-1-0001		Windscreen cleaner liquid - winter			5	500	2500	2017.12.11. 16:50:38			00001		*		
15	P-1-1-0001	1003	Windscreen cleaner liquid - winter		Part supplier A	450	500	250000	2017.12.15. 16:47:20					*		
16	P-1-3-0003	1002-4000	Grease		Part supplier A	2	50	100	2017.12.15. 16:48:35			00001		*	0	0
17	P-1-1-0001	1003	Windscreen cleaner liquid - winter		Part supplier A	100	500	50000	2017.12.16. 7:49:31			00001	2017_001	*		
18	P-0-2-0002	1001	Windscreen cleaner liquid - summer	Part manufacturer B	Part supplier A	50	125	6250	2017.12.18. 10:23:47					DEF456	31	
19	P-1-3-0003	1002-4000	Bearing - inner - size 20		Part supplier A	20	50	1000	2017.12.18. 10:51:24			00003	2017_003	*	0	0

All records come from different sources, so it can happen, that the same part numbers are listed more times. For example, they come from different purchase orders.

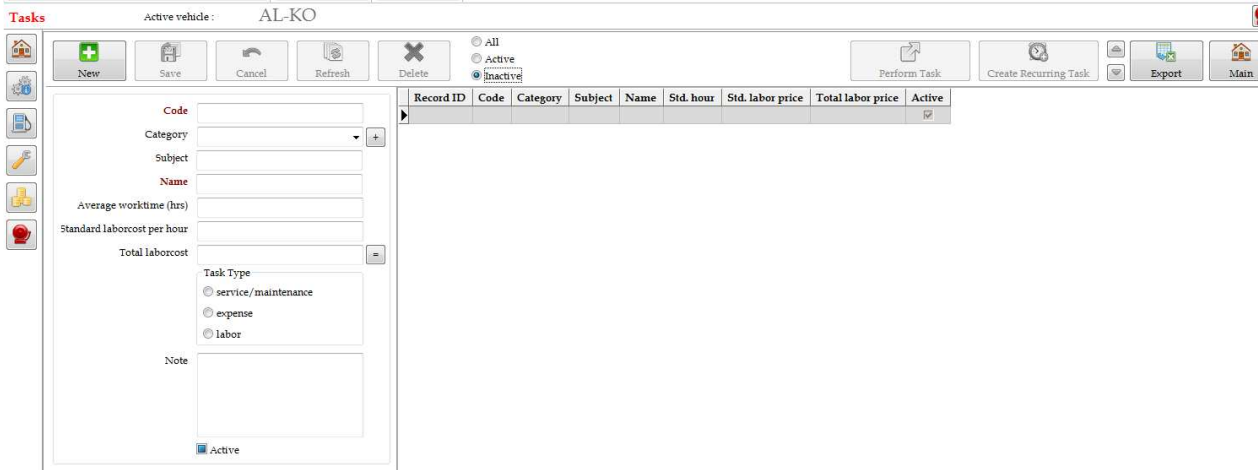
For all records, the aisle/row/bin location information can be documented.

Tasks

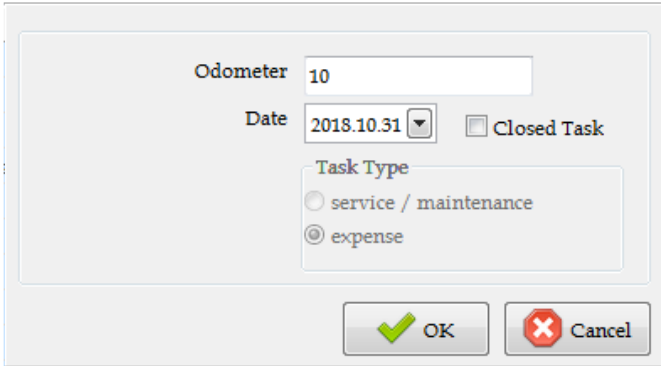
This module is used to create tasks, which can be used for expenses, services as *task* or *labor* or create recurring task.

Service: one record in the service module, which contains a really performed service activity. (“Perform Task”)

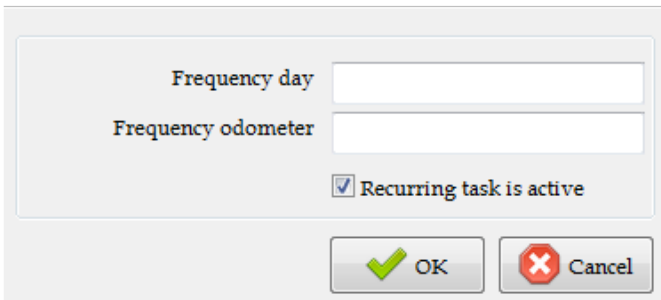
Recurring task: one record in the recurring task module, which contains frequency, when the given activity should be performed. It is always linked to a vehicle. (“Create Recurring Task”)



Perform Task



Create Recurring Task



Reminders

This module is used to list the records from different modules, which are expired or will be expired within the time or odometer, defined in the settings.

Reminder - day

Reminder - Odometer

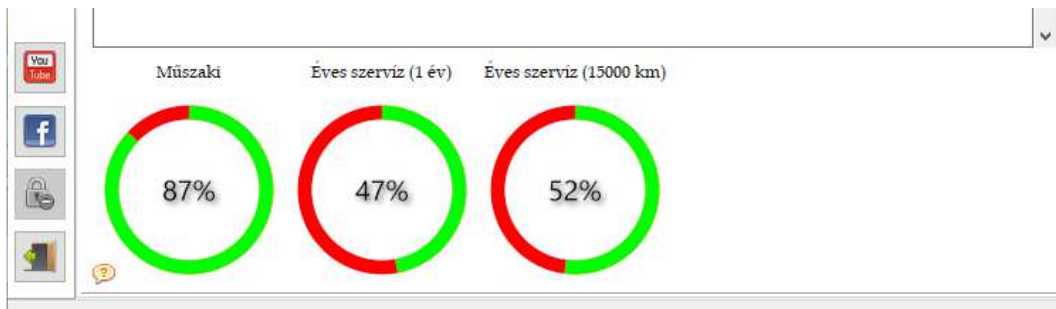
Additionally, a warning icon is displayed at the top of the application, when at least one record is in the reminder list.



Record ID	Module	Vehicle	Person	Name	Due date	Due odometer
1	Service Plan	DEF456		Olajszint ellenőrzés		160000
1	Service Plan	DEF456		Olajszint ellenőrzés	2017.12.27.	
2	Purchase Order		Betatester	00002	2017.12.24.	
1	Note	DEF456		Something has happened	2017.12.15.	
1	Work Order	DEF456		Test WO	2017.12.30.	
12	Expense	DEF456		Purchase price	2017.12.30.	
28	Service	DEF456		Change engine oil filter	2017.12.31.	
25	Service	DEF456		Inspect brakes	2017.12.19.	
24	Service	DEF456		Change engine oil filter	2017.12.31.	
21	Service	DEF456		Change engine oil filter	2017.12.30.	
20	Service	DEF456		Inspect oil level in engine	2017.12.31.	
12	Service	DEF456		Olajszint ellenőrzés	2017.12.21.	
1	Vehicle	DEF456		Insurance due date	2017.11.30.	
1	Vehicle	DEF456		Plate renewal	2017.12.30.	

Gauges

This function provides you a monitoring system to see the status of the selected vehicle reminders.



Gauge can be set in the vehicle/reminders module or on the actual list of reminders on the main screen.

Vehicle/Reminders module:

New
Save
Cancel
Refresh
Delete

Limits

New: 100

In progress: 75

Close to the deadline: 25

Expired: 0

Name:

Starting Date: 15

Ending Date: 15

Starting Odometer:

Ending Odometer:

Gauge: 1 Active

ID	Name	Start Date	End Date	Start Odo	End Odo	Maximum	Due	Status	Active	Run	Gauge
▶ 10	Műszaki	2020.02.19	2024.02.19			1461	1267	87	☑	☑	1
11	Éves szerviz (1 év)	2020.02.19	2021.02.19			366	172	47	☑	☑	2
12	Éves szerviz (15000 km)			9	15000	14991	7800	52	☑	☑	3

Actual list of reminders on the main screen.

ID	Name	Start Date	End Date
▶ 10	Műszaki	2020.02.19	2024.02.19
11	Éves szerviz (1 év)	2020.02.19	2021.02.19
12	Éves szerviz (15000 km)		
13	...	2020.08.17	2022.08.17
14	...		

Add reminder to gauge no. 1

Add reminder to gauge no. 2

Add reminder to gauge no. 3

Add reminder to gauge no. 4

Add reminder to gauge no. 5

🔴 Maximum five reminders can be followed per vehicles.

🔴 One reminder can only be linked to only one gauge.

DB import

This module is used to import databases from my older applications, MyCar-Monitor and mcAutoTrack.

🚫 Only FUEL, SERVICE and PAYMENT databases can be imported!

1. VERY FIRST, please make backup about your eMyCar-Monitor database (default: .../database/eMyCar.db3)
2. First, you need to select the source application, and after the database type.
3. Load file with the dedicated button
4. If loading was successful, the specific testing button will be enabled.
5. Click on the testing button to make some simple test routines to check, that loaded database is suitable for importing or not.
6. Import the given database.
7. If everything go fine, a message will confirm for you that the importing process has been successful.
8. If OK, please check the imported data and correct them if needed. (usually, it is necessary to check them)

🚫 In case of FUEL database, it is necessary to correct the fuel type in all imported records!

The screenshot shows a web interface for database import. It has two main sections: 'Source Application' and 'Source Database'. Under 'Source Application', there are radio buttons for 'mcAutoTrack' (selected) and 'MyCar-Monitor'. Under 'Source Database', there are radio buttons for 'fuel' (selected), 'service', and 'payment'. Below these are two buttons: 'Load file' (with a folder icon) and 'Main' (with a house icon). A grid of buttons follows, organized by application and database type. For 'mcAutoTrack', there are buttons for 'fuel - test', 'fuel - import', 'service - test', 'service - import', and 'payment - test', 'payment - import'. For 'MyCar-Monitor', there are buttons for 'fuel - test', 'fuel - import', 'service - test', 'service - import', and 'payment - test', 'payment - import'. Each button has a question mark icon on the left and a download icon on the right.

It is possible, that some MyCar-Monitor database is loaded with incorrect characters.

Olaszorsz	Cs?rg? Ta	Nyara?l?s	t1
Krakk?,Igl		Nyara?l?s	t2
G?r?gorsz		Nyara?l?s	t3
Horv?tors	Tam?s Cs	Nyara?l?s	t4
Szov?niai			t5

In this case, one solution is to convert this file to UTF-8 coding. It can be easily done with Notepad++.

If test failed, in case of mcAutoTrack, please try to set 'All Columns Visible' and save the database.

Vehicles


This module is used to manage all information for the vehicle, followed by this application.

It is very important to fill out as many fields as possible, and take care that all information is correct.

General data

Buttons: New, Save, Cancel, Refresh, Delete. Radio buttons: All, Active, Inactive.

Record ID	Plate	Vehicle ID	Year	Maker	Model	Active
1	DEF-456	DEF456	2012	Ferrari	Portofino	<input checked="" type="checkbox"/>
2	ABC-123	ABC123	2015	Lamborghini		<input checked="" type="checkbox"/>



Vehicle Data

Vehicle Unique ID: DEF456
Production Year: 2012
Maker: Ferrari
Model: Portofino
VIN: 410489049016
Body Type: Sport
Category: Sport Car
Group: Group C
Status: Owned
Location: in use
Note: Active

Plate ID: DEF-456
Renewal: 2017.12.30.

Driver (partner)
Name: Betatester

Technical data
Engine type: 5400cm3 gasoline
Engine ID: 798464919849
Transmission type: 6 speed
Color: Red
Tire Size:

Inspection
Last inspection was: 2017.11.01.
Next inspection is due: 2018.03.31.

Technical Data

General | **Technical Data** | Purchase | Unit | Specification | Leasing | Insurance | Payment | Accessories | Owners | Reminders

Technical data

Engine type
Engine ID
Engine size
BHP
kW
Fuel tank capacity
Transmission type
Color
Tire Size
Gross Vehicle Weight

Registration | Inspection | Emission

Plate / Tag No. AL-KO
Title No.
Reg. No.
Fee
State / Prov.
Renewal Date Due 2018.10.17.

Units

General | Technical Data | Purchase | **Unit** | Specification | Leasing | Insurance | Payment | Accessories | Owners

Unit / Measure

Distance Unit

FUEL TYPE #1

Fuel Type #1
Quantity Unit #1
Measure #1

FUEL TYPE #2

Fuel Type #2
Quantity Unit #2
Measure #2

Consumption Calculation Method

- Distance per 1 Quantity Unit (MPG US, MPG UK, MPkWh, Km/l,...)
- Quantity per 100 Distance Unit (l/100km, kWh/100km, gal/100miles,...)
- Quantity per 1 Distance Unit (l/km, kWh/km,...)

Purchase details

General	Technical Data	Purchase	Unit	Specification	Leasing	Insurance	Payment	Accessories	Owners	Reminders	P
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Purchase details</p> <p>Date of purchase <input type="text" value="15"/></p> <p>Odometer on purchase <input type="text"/></p> <p>Dealer <input type="text"/></p> <p>General warranty expires on <input type="text" value="15"/></p> <p>Odometer warranty <input type="text"/></p> <p>Assistance expires on <input type="text" value="15"/></p> <p>Body warranty expires on <input type="text" value="15"/></p> <p>Depreciation since purchase <input type="text"/></p> <p>Actual resale value <input type="text"/></p> </div> <div style="width: 48%;"> <p>Payments details</p> <p>Cost of the vehicle <input type="text" value="E"/></p> <p>Paid so far <input type="text"/></p> <p>Remaining balance <input type="text"/></p> <p>Payments frequency (days) <input type="text"/></p> <p>Payments from <input type="text" value="15"/></p> <p>Payments until <input type="text" value="15"/></p> <p>Amount of payments <input type="text"/></p> </div> </div>											
<p>Replacement threshold</p> <p>Maximum odometer/hour <input type="text"/></p> <p>Maximum service cost <input type="text"/></p> <p>Fix date <input type="text" value="15"/></p>											

Leasing details

General	Unit	Purchase	Leasing	Insurance	Payment	Accessories	Ow
<p>Leasing details</p> <p>Payments frequency (days) <input type="text" value="30"/></p> <p>Amount of payments <input type="text" value="500000"/></p> <p>Payments from <input type="text" value="2017.11.01."/> <input type="text" value="15"/></p> <p>Payments until <input type="text" value="2019.02.28."/> <input type="text" value="15"/></p>							

Insurance details

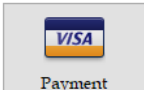

General	Technical Data	Purchase	Unit	Specification	Leasing	Insurance	Payment	Accessories	Owners	Reminders	Pi														
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="display: flex; gap: 10px;"> New Save Cancel Refresh Delete </div> <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> New record from company insurance </div> </div>																									
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Insurer/Agent <input type="text"/></p> <p>Company <input style="background-color: yellow;" type="text"/></p> <p>Address <input type="text"/></p> <p>Reference no./Policy no. <input style="background-color: yellow;" type="text"/></p> <p>Insurance date <input type="text" value="15"/></p> <p>Due date <input type="text" value="15"/></p> </div> <div style="width: 48%;"> <p>Payments frequency (days) <input type="text"/></p> <p>Amount of payments <input type="text"/></p> <p>Coverage limits <input type="text"/></p> <p>Note <input type="text"/></p> <p><input type="checkbox"/> Active</p> </div> </div>																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ID</th> <th>Company</th> <th>Reference</th> <th>Frequency</th> <th>Payment</th> <th>Due date</th> <th>Active</th> </tr> </thead> <tbody> <tr style="background-color: #e0ffe0;"> <td>5</td> <td>Generali Providencia Biztosító Zrt.</td> <td>*5889-3365-222255*</td> <td></td> <td></td> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>												ID	Company	Reference	Frequency	Payment	Due date	Active	5	Generali Providencia Biztosító Zrt.	*5889-3365-222255*				<input checked="" type="checkbox"/>
ID	Company	Reference	Frequency	Payment	Due date	Active																			
5	Generali Providencia Biztosító Zrt.	*5889-3365-222255*				<input checked="" type="checkbox"/>																			

You can import company insurance data from the settings by clicking on the “New records from company insurance”.

Payments

General Technical Data Unit Purchase Leasing Insurance Payment Accessories Owners Reminders Pictures Li

Payments (these transactions are transferred into the EXPENSE module)

Purchase price payment Transaction date: 2018.03.31
 Leasing payment Transaction name *: Purchase price
 Insurance payment Amount of payment *:
 Paid To (dealer - partner):
  Type: +
 Reference:
 Comment:

Record ID	Date	Name	Cost	Paid to	Type	Reference	Closed
▶							

Accessories

General Unit Purchase Leasing Insurance Payment Accessories Owners

Accessories List

Select an accessory and add to the vehicle

+ Add

Note:

Record ID	Accessory	Note	Active
1	Airconditioning		<input checked="" type="checkbox"/>
▶ 4	Sun roof		<input checked="" type="checkbox"/>

Owner details

General Technical Data Purchase Unit Specification Leasing Insurance Pay

Purchased From

Prior owner name:


Prior owner address:

Sold to

Sold to:

Address of the new owner:

Selling Price:

Selling Date: 

Owner

Ownership:

Address/availability:

Reminder

General Unit Purchase Leasing Insurance Payment Accessories Owners Reminders

Name: Active

Starting Date: Starting Odometer:

Ending Date: Ending Odometer:

Limits

New:

In progress:

Close to the deadline:

Expired:

ID	Name	Starting date	Due date	Starting odometer	Due odometer	Range	Remained	Status %	Active
1	Yearly ticket for the next year	2017.12.25.	2018.12.25.			305	305	100	<input checked="" type="checkbox"/>

Pictures

Unit Purchase Leasing Insurance Payment Accessories Owners Reminders Pictures License Warranties

Name:

Note:

Type:

Path: Active

ID	Name	Type	Active

License

Unit Purchase Leasing Insurance Payment Accessories Owners Reminders Pictures License Warranties

Only active licenses

Name State

Odometer County

Application Date Price

Type Expiration Date

Responsible Active

ID	Name	Date	Type	State	County	Price	Valid until	Active
								<input checked="" type="checkbox"/>

Warranty

Unit Purchase Leasing Insurance Payment Accessories Owners Reminders Pictures License Warranties

Name Item

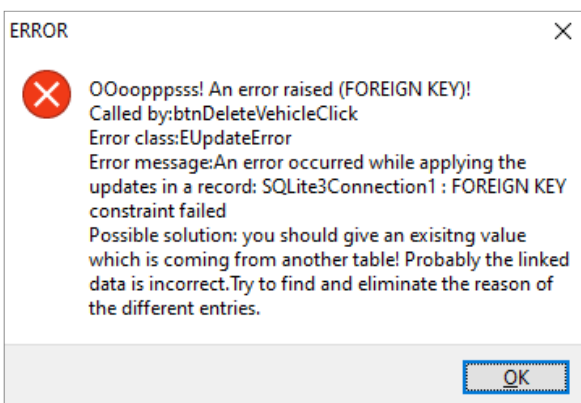
Type Note

Expiration Date

Expiration Odometer Closed

ID	Name	Type	Expiration Date	Expiration Odometer	Item	Closed
						<input checked="" type="checkbox"/>

🚫 Deletion of a vehicle is only possible, if there is no linked record to that! It means, that for example if one fuel record has been entered to the given vehicle, then deletion will not possible. The reason of this is not to leave unlinked record in the database. In this case "FOREIGN KEY constraint failed" error message is generated.



Fuel

This module is used to record all information about fuel fill ups.

⚠ Please note that for fuel consumption calculation full fill ups are necessary. It means, that in case of partial fill ups, the consumption will not be calculated!

Application can manage vehicles, equipped with double fuel systems, like hybrids.

Consumption information is displayed in the fuel module for both fuel systems.

	Fuel Type	Used Quantity	Avg. Consumption
#1	GASOLINE	275,5	0,2
#2			



Fuel Others Details

Person (driver)

Fuel Type

Fuel Brand +

Product

Date 15

filled-up from own stock

Own stock

Dealer / Petrol station

State / Prov. +

Odometer

Mileage =

Quantity =

Unitprice = E

Cost =

Missed fuel-up Full

⚠ Please note that correct fuel calculation will start from the THIRD record!

⚠ It is possible to fill up FUEL from own inventory, IF you have FUEL in stock. In this case the list will show the available quantities. (ID-PARTNUMBER-QUANTITY-PARTNAME). If you have no enough fuel on the selected stock, you will be warned.

filled-up from own stock

Own stock

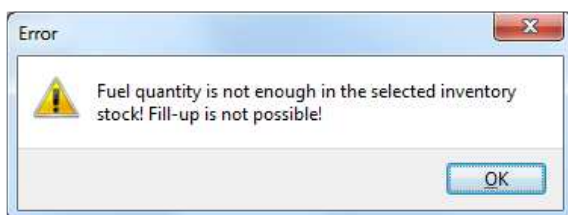
rol station 13-PRT_000092-4,78-FUEL E5

14-PRT_000092-12,36-FUEL E5

ite/Prov. 22-PRT_000092-5-FUEL E5

25-PRT_000092-2-FUEL E5

Odometer



Electric and hybrid cars

Application is ready to handle electric and hybrid cars as well.

Basically, it is done by the similar method as used for fuels.

🚫 Please note that fuel method has to be set in the Vehicle module on the Unit page!

This picture shows an example how to record an electrical charging.

Basic Data Others Specific details

Person (driver)	<input type="text"/>
Fuel Type	Electric
Fuel Brand	220 V
Product	Electrical Supply
Date	2018.9.27
Petrol station (partner)	Home charger 220 V
Odometer	121860
Mileage	= 405
Quantity	= 82,3
Unitprice	= 0,12
Cost	= 7,48 E

Missed fuel-up Full

Record ID	Date	Idomete ▼	Fuel type	Brand	Product	Dealer	Quantity	Unitprice	Mileage	Cost	Consumption	Distance per Uni
471	2018.9.27	121860	Electric	220 V	Electrical Supply	Home charger 220 V	82,3	0,12	405	7,48	4,92	4,92

Expenses

This module is used to record all information about costs, recorded in this module directly, or coming from other modules, like trips, tire, vehicle payments, etc..

The image shows a software interface for recording expenses. At the top, there are five buttons: 'New' (with a plus icon), 'Save' (with a floppy disk icon), 'Cancel' (with a red circle and slash icon), 'Refresh' (with a circular arrow icon), and 'Delete' (with a red X icon). Below these buttons is a header area with a yellow dollar sign icon and the word 'Expense'. The main area is titled 'Expense Data' and contains several input fields: 'Date' (with a date picker showing 2017.12.18), 'Odometer' (empty text box), 'Name' (empty text box), 'Paid To (all - partner)' (dropdown menu), 'Person (driver)' (dropdown menu), 'Net' (empty text box), 'Tax' (empty text box), 'Discount' (empty text box), 'Total' (text box showing 0 with a currency symbol 'E'), 'Type' (dropdown menu with a plus icon), 'Reference' (empty text box), 'Note' (large empty text area), and 'Reminder' (text box with a date picker showing 15). At the bottom, there is a checkbox labeled 'Closed'.

Records, coming from other modules can be seen in the “Source module” column.

Record ID	Source module	Date	O
1	expense	2017.11.30.	
12	vehicle payment	2017.11.20.	
13	vehicle leasing	2017.11.20.	
17	trip	2017.11.20.	
18	trip	2017.12.10.	

Expenses from other modules

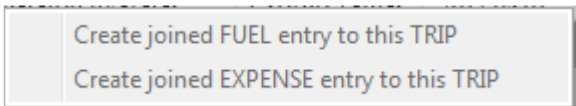
The purpose of this function is to handle most of all costs in one module, called "Expense". It means, the expense can be added in other modules as well, which will be transferred into Expense module.

Following modules are able to transfer expenses into "Expense" module:

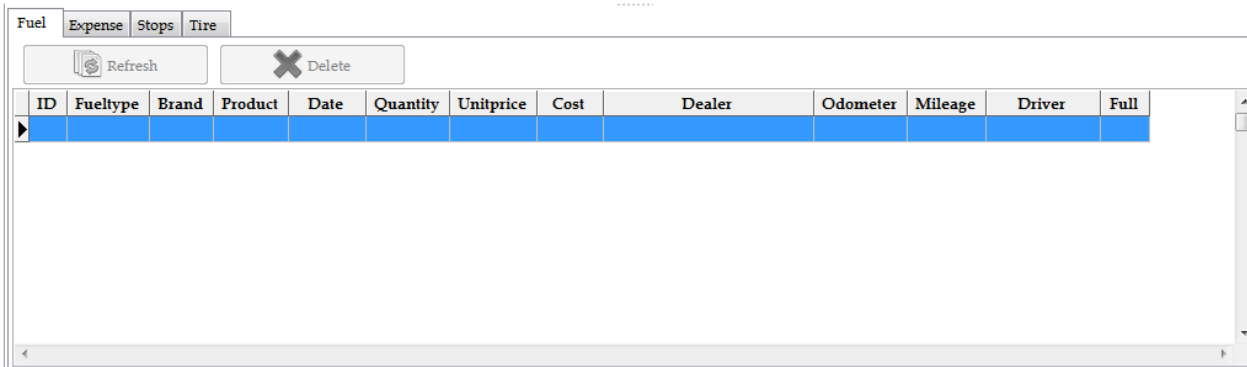
- Vehicle payments
- Trip
- Accident
- Breakdown

In case of Vehicle Payments, the operation can be started from the Vehicle/Payments page.

In case of other modules, the operation can be started by selecting the given record and right click on that.



For all records, the transferred expense records can be listed.



The screenshot shows a software interface with a menu bar containing "Fuel", "Expense", "Stops", and "Tire". Below the menu bar are two buttons: "Refresh" and "Delete". The main area contains a table with the following columns: ID, Fueltype, Brand, Product, Date, Quantity, Unitprice, Cost, Dealer, Odometer, Mileage, Driver, and Full. The first row of the table is highlighted in blue.

In the parent record, if cost are not in line with the sum of the transferred record costs, a red circle is shown. Clicking on the "Update with SUM" button, the cost data of the parent record will be updated.

Tire

The purpose of this function is to handle most of all costs and operations of tires.

First, you need to create tires in the inventory. later, you will see the history of the selected tire below.

The 'Tire Inventory' window contains the following data:

Tire Details Form:

- Tire ID: TIRE_000001
- DOT T.I.N.: [Empty]
- Manufacturer: [Dropdown]
- Model: [Dropdown]
- Type: [Dropdown]
- Size: [Dropdown]
- Inactive
- Purchase Date: 2018.10.31
- Mileage at Purchase: 0
- Original tire of new vehicle
- Purchase Price: [Dropdown]
- Dealer: [Dropdown]
- Purchased as used or retreaded tire
- Warranty Date: [Dropdown]
- Warranty Odometer: [Dropdown]

Tire inventory list:

ID	TireID	DOT	Type	Manufacturer	Model	Size	Purchase Date	Mileage	Vehicle	Position	Mounted	Inactive
1	TIRE_000001						2018.10.31				<input type="checkbox"/>	<input type="checkbox"/>

Tire history:

ID	Date	Odometer	Vehicle	Position	Mileage	Mount	Dismount	Inspection	Repair	Other	Operation	Cost	Garage	Technician	Tread	Press
1	018.10.3	15000	aaa	1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mount					
2	018.10.3	35000	aaa	1	20000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dismount					

After that, you need to specify the wheel configuration of the active vehicle on the next page.

The wheel configuration interface shows 12 axles, each with two wheels. The wheels are numbered 1 through 48. The configuration is set to 'Enabled' for all wheels, and 'Steer' and 'Drive' options are checked for the front and rear axles respectively. A 'Save wheel configuration' button is visible at the bottom.

You can set up 12 axles, and 48 wheels. The actual setting is shown visually.

Successful saving is indicated by a message.

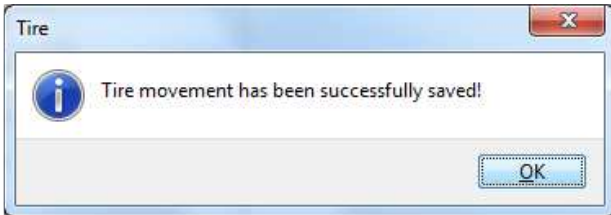
Tire
Vehicle wheel configuration has been successfully saved!
OK

Next step is to mount the tire to one of the available position. Available positions are listed automatically.

The screenshot shows a software window titled "Tires Mounted onto this Vehicle". On the left, there are input fields for "Position to mount" (set to 1), "Date" (2018.10.31), "Odometer" (4), "Cost" (5), "Tread", "Pressure", "Technician", "Garage", and "Note". A "Mount" button is at the bottom. The main area contains a table with the following data:

ID	TireID	DOT	Size	Manufacturer	Model	Type	Mileage	Purchase Date	Mileage	Original	Used
1	TIRE_000001							2018.10.31		<input type="checkbox"/>	<input type="checkbox"/>

Successful mounting is indicated by a message.

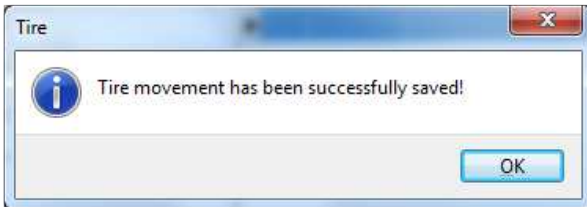


Mounted wheels can be seen on the next page.

The screenshot shows the same software window as before, but with additional action buttons: "Dismount", "Repair", "Inspection", and "Other". Below these buttons is an "Other operation" text box. The table now has the following data:

ID	Position	TireID	DOT	Size	Mileage	Manufacturer	Model	Type	Purchase Date	Original	Use
1	1	TIRE_000001							2018.10.31	<input type="checkbox"/>	<input type="checkbox"/>

In this module, you can dismount a tire or associate repair, inspection or other activity to that.




All actions are listed in the tire history.

Tire (old module)

This module is used to record all information about the tires.

New Save Cancel Refresh Delete

 **Tire**

Tire Data

Tire ID

Action +

Odometer Start

Odometer End

Distance

Date Start 15

Date End 15

Dealer (partner)

Manufacturer (partner)

Model +

Quantity

Unit Price

Cost

Warranty 15

Position / Location +

Status +

In use

Inspection date 15

Tread

Pressure

Note

Fleet module

This module can be used to manage fleet vehicle requests, approvals and rejections. Additionally, it can be used to track the hand over, give back and complaints of the fleet usages.

🔴*Approval rights can be addressed to the users in the Administration module.

Access module

Access level

Fleet module approval

Administrator

🔴*With auto-login function, approval function does not work.

New entry can be added using the normal method of this application.

Booking **Hand over** Give back Complaint

Name

Booked by

From

Until

Note

Note

Closed

🔴*Approval and rejection can only be made one time. Modification is not possible.

In case of open entry, fleet request data can be transferred into Trip module, by creating a new trip entry.

🔴*Only one trip entry can be created from the same fleet entry.

Trips

This module is used to record all information about the trips.

Trip details Others Deliveries

Trip ID

Name

Date Start 15

Date End 15

Person (driver)

Total Cost (expense) E

From

To

Odometer Start

Odometer End

Distance =

Type +

Closed

For every individual trip record, you can link fuel, expense or tire records which are relevant to the given trip.

These linked records can be seen at the bottom area of the trip module.

Fuel Expense Stops Tire

ID	Fueltype	Brand	Product	Date	Quantity	Unitprice	Cost	Dealer	Odometer	Mileage	Driver	Full

Additionally, for every trip records, you can add different stops.

Fuel Expense Stops Tire

Stop ID

Location

From

To

Odometer from

Odometer to


Note

ID	StopID	Location	DateFrom	DateTo	OdometerFrom	OdometerTo

Incomes

This module is used to record income records, like rental.

+ NewSaveCancelRefreshDelete



Income

Income Data

Type +

Customer (partner)

Description

Date Start 15

Date End 15

Odometer Start

Odometer End

Distance

Cost

Note

Closed

Accidents

This module is used to record accident records.

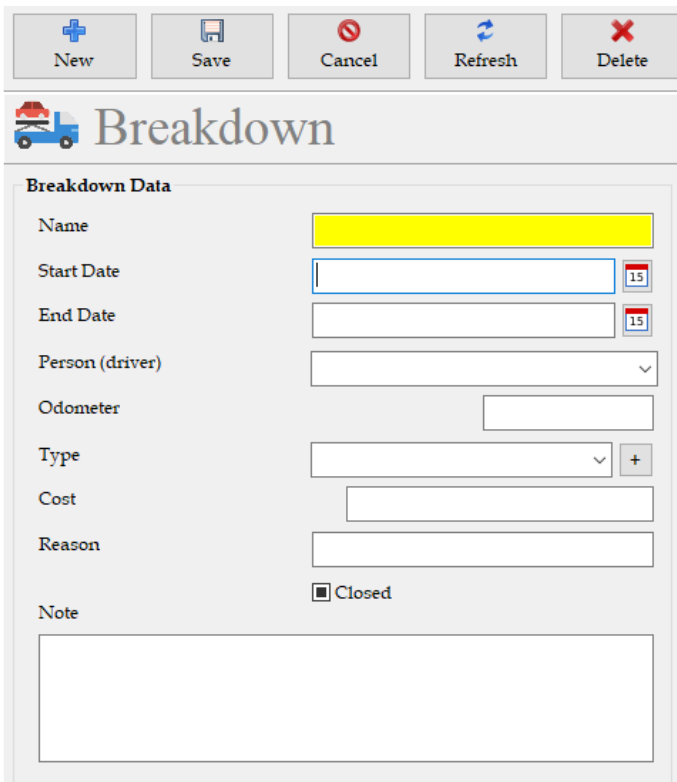
The screenshot displays the 'Accident' module interface. At the top, there is a toolbar with five buttons: 'New' (plus icon), 'Save' (floppy disk icon), 'Cancel' (red circle with slash), 'Refresh' (circular arrow icon), and 'Delete' (red X icon). Below the toolbar is the title 'Accident' with a small icon of a person running. The main area is titled 'Accident data' and contains the following fields and controls:

- Date:** A date picker showing '2017.12.18' with a calendar icon.
- Person (driver):** A dropdown menu.
- Location:** A text input field.
- Document ID:** A text input field.
- Type:** A dropdown menu with a '+' button.
- Cost:** A text input field.
- Note:** A checkbox labeled 'Causer' and a large text area below it.
- Picture:** A label for a picture field.
- Odometer:** A text input field.
- Other Contact:** A text input field.
- Other Vehicle:** A text input field.
- Checkboxes:** 'Injured', 'Towing', and 'Closed' (all checked).
- Date Repaired:** A date picker showing a date with a calendar icon.
- Buttons:** 'Change' and 'Clear' at the bottom left.

Additional expense costs can be added to the accident by right clicking on the given accident record.

Breakdowns

This module is used to record breakdown records.



The screenshot shows a software interface for recording breakdown records. At the top, there is a toolbar with five buttons: 'New' (plus icon), 'Save' (floppy disk icon), 'Cancel' (red circle with slash icon), 'Refresh' (circular arrows icon), and 'Delete' (red X icon). Below the toolbar is a header area with a truck icon and the title 'Breakdown'. The main area is titled 'Breakdown Data' and contains several input fields: 'Name' (a yellow highlighted text box), 'Start Date' (a date picker showing '15'), 'End Date' (a date picker showing '15'), 'Person (driver)' (a dropdown menu), 'Odometer' (a text input field), 'Type' (a dropdown menu with a '+' button), 'Cost' (a text input field), 'Reason' (a text input field), and 'Note' (a large text area). A checkbox labeled 'Closed' is checked.

Additional expense costs can be added to the breakdown by right clicking on the given breakdown record.

Services

This module is used to record services with used parts and labors.

The image shows two side-by-side screenshots of a software interface for recording services. The left screenshot shows the 'Basic Data' tab with fields for Date, Odometer, Type (Maintenance, Repair, Other, Recall, Warranty), in warranty checkbox, Name, Partcost, Materialcost, Laborcost, Othercost, Discount, Tax, Totalcost, and a Closed checkbox. The right screenshot shows the 'Others' tab with fields for Reference, Due Date, Completion date, Due odometer, Trip ID, Technician, Garage, and Note.

At the bottom area, there is an additional module, where you can add parts and labor to the given service.

The image shows a selection interface with four tabs: Available Parts, Added Parts, Available Labor Tasks, and Added Labor Tasks. Below the tabs are two buttons: 'Load parts' and 'Add part to the Service'. Below the buttons is a table with the following data:

Record ID	Partnumber	Supplier ID	Name	In stock	Manufac
1	PRT_000002		TESTPART	25	

By clicking on the Load parts or Load labor tasks, you can list the available items.

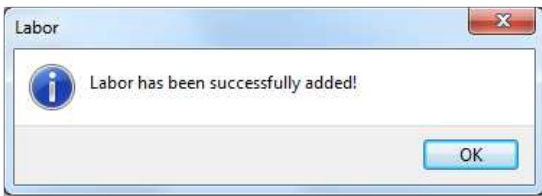
Then you can select that you want and add to the service. You need to give the part quantity, you want to add.

The image shows a dialog box titled 'Part Module' with the text 'How many part would you like to add to the service?' and a text input field. There are 'OK' and 'Cancel' buttons at the bottom.

Successful operation is confirmed.

The image shows a dialog box titled 'Part Module' with an information icon and the text 'Part has been successfully added!'. There is an 'OK' button at the bottom.

The image shows a dialog box titled 'Labor' with a question mark icon and the text 'Are you ure to add this labor to the service?'. There are 'Yes' and 'No' buttons at the bottom.



Added part and labor tasks can be seen in the below lists where additional information can be added to them.

Part

Available Parts | Added Parts | Available Labor Tasks | Added Labor Tasks

Save | Cancel | Refresh | Delete | Total cost: 3000 | Update with SUM

Record ID	Service ID	PID	Partnumber	Supplier ID	Name	Quantity	Unitprice	Totalprice	Warranty day
1	1		PRT_000002		TESTPAR	2	1500	3000	

Warranty Days: 15
 Warranty Odometer:
 Default Price: 1500
 in warranty
 taxable
 Tax %:
 Selling Price: 1500
 Total: 3000

Labor

Available Parts | Added Parts | Available Labor Tasks | Added Labor Tasks

Save | Cancel | Refresh | Delete | Total cost: 0 | Update with SUM

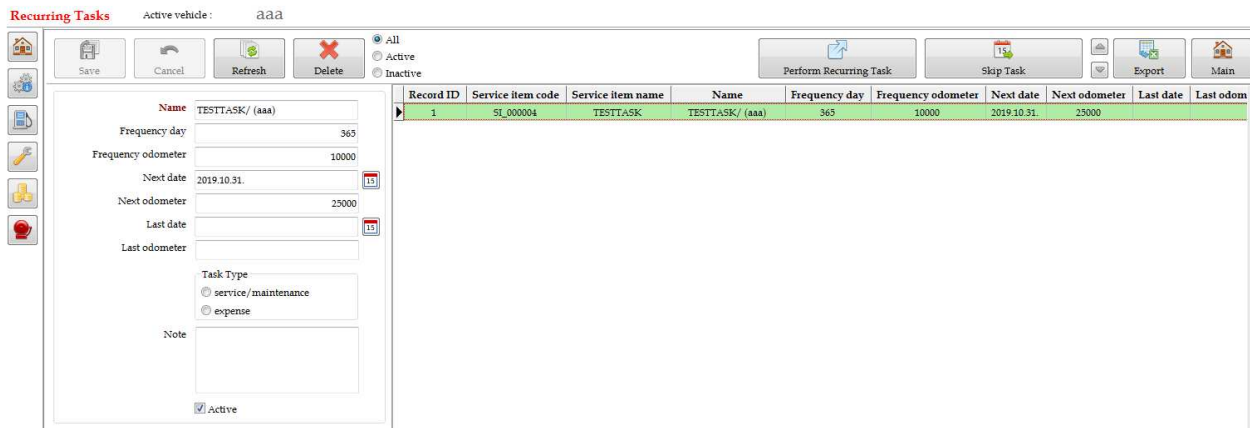
Record ID	Code	Category	Name	Subject	Std. hour	Std. labor price	Total labor price
1	SI_000003		TESTLABOR				

Done by:
 Partner:
 Employee:
 Labor Rate:
 Actual Unit:
 Billable Unit:
 Total:
 Warranty (days):
 Note:

❗ If sum of the part or labor costs are not equal with the given cost value of the service record, then you can update them with the "Update with SUM" button. After that you need to save the service record.

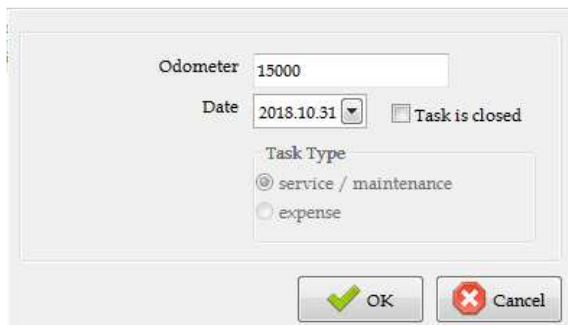
Recurring tasks

This module is used to record recurring tasks, or so-called “maintenance schedule”.

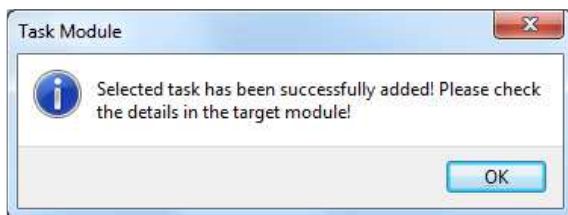


⚠️*Please note that service plan comes from service item module, so “New” button is not available here. In this module, you can only modify the existing plans.

Perform Recurring Task



Successful operation is confirmed.



Target module means the service or expense modules.

Used parts

This module is used to show and manage parts which were used for services.

Record ID	Source ID	Part inventory ID	Partnumber	Supplier ID	Quantity	Unitprice	Total price	Warranty day	Warranty odometer
3	4	10	P-1-1-0001		8	500	4000		
4	5	12	P-0-2-0002		12	125	1500		
5	3	12	P-0-2-0002		1	125	125		
6	4	8	P-1-3-0003	1002	3	50	150		
7	4	13	P-1-3-0003		5	50	250	2018.01.09.	
8	4	13	P-1-3-0003		4	50	200	2018.01.09.	
10	22	15	P-1-1-0001	1003	50	500	25000		
11	13	9	P-1-3-0003	1002-4001	13	50	650		
12	13	9	P-1-3-0003	1002-4001	5	50	250		
13	13	9	P-1-3-0003	1002-4001	13	50	650		
14	14	9	P-1-3-0003	1002-4001	10	50	500		
15	19	9	P-1-3-0003	1002-4001	5	50	250		
16	19	13	P-1-3-0003		5	50	250	2018.01.13.	145000
17	19	13	P-1-3-0003		3	50	150	2018.01.13.	155000
18	15	9	P-1-3-0003	1002-4001	5	50	250		
19	5	9	P-1-3-0003	1002-4001	5	50	250		
20	7	7	P-1-3-0003	1002-4001	5	50	250		
21	5	15	P-1-1-0001	1003	50	500	25000		
22	27	20	P-1-1-0001	1003	25	500	12500		

⚠ Please note that used part list comes from service item module, so “New” button is not available here. In this module, you can only modify the parts which are available in this module.

⚠ Please note that records are colored according to their warranty states.

On additional query, it is possible to list the recurring replaced parts.

Application General Vehicle Maintenance Calculators & Reports Reminder Support

Purchase order Partlist Part stock **Parts used** Material Movements Maintenance Workorder Tasks Recurring Tasks

Parts used Active vehicle: Tesla-01

Save Cancel Refresh Delete Filtered for Active Vehicle

Unitprice: 6662,5
Totalprice: 6662,5
Warranty date: 15
Warranty odometer:
Note:

Used Parts: **Recurring Used Parts**

Check this period - Last day(s): 365
Repeated more than: 1

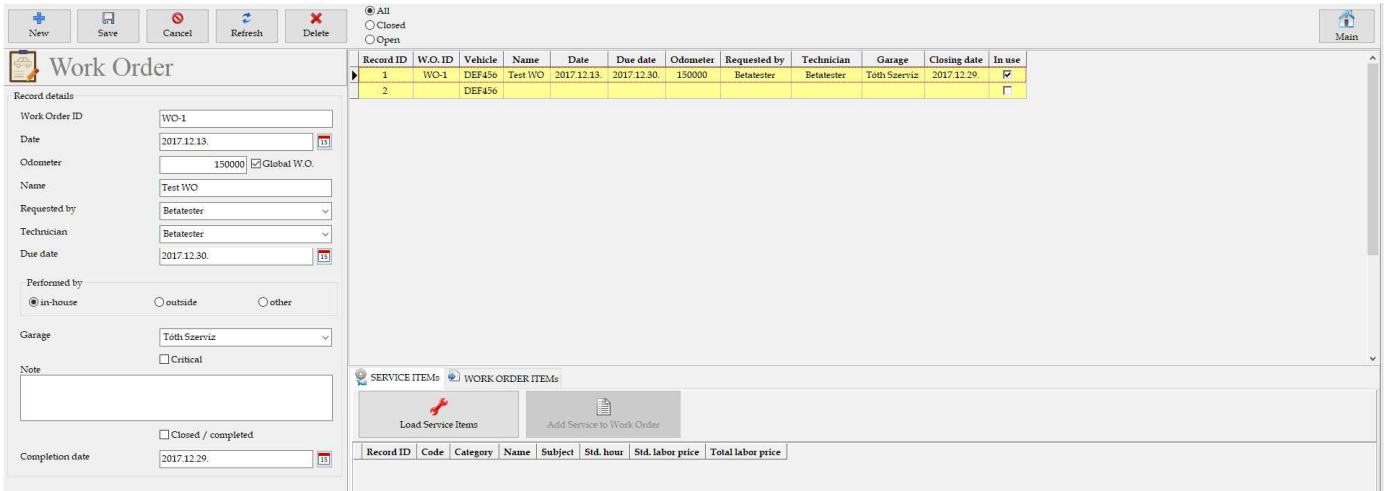
Check parts material fluid

PARTNUMBER	NAME	RECURRENCE	FUEL	PART	MATERIAL	FLUID
PRT_000003	Engine oil	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PRT_000021	Front lamp	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Work orders

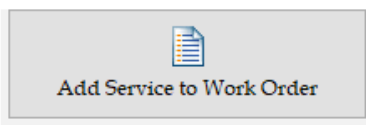
This module is used to create work orders.

Work order: a package of service items, which are dedicated to a technician to perform on a vehicle.

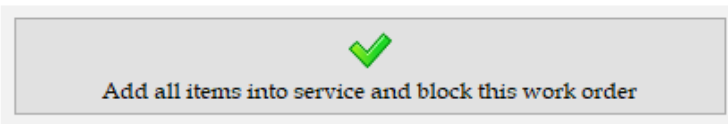


Available service items can be found below, using the “Load Service Items” button.

Service can be added to the Work order with the following button



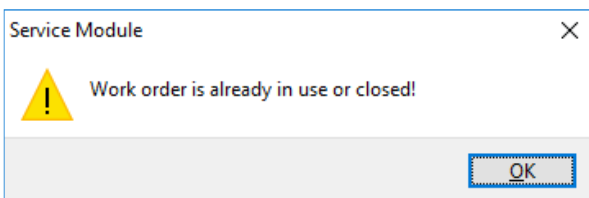
After finishing the work order, to give that into work, you need to use the following button.



Using this button, all service items of the work order will be transferred into the service module to do and close.

Closed service items are marked with green.

Important note: one work order can only be added into work once! It means, that after that, the given work order is handled as closed!



Materials

This module is used to see the used parts in three categories:

- Fluids
- Materials
- Parts

Partnumber	Supplier ID	Manufacturer	Dealer	Name	Quantity	Unitprice	Totalprice	Use up	Source ID	Part ID
P-1-1-0001			Part supplier A	Windscreen cleaner liquid - winter	4	500	2000	*	3	
P-1-1-0001			Part supplier A	Windscreen cleaner liquid - winter	8	500	4000	*	4	
P-0-2-0002		Part manufacturer B	Part supplier A	Windscreen cleaner liquid - summer	12	125	1500	DEF456	5	
P-0-2-0002		Part manufacturer B	Part supplier A	Windscreen cleaner liquid - summer	1	125	125	DEF456	3	
P-1-1-0001	1003		Part supplier A	Windscreen cleaner liquid - winter	50	500	25000	*	22	

🔴*It is very important to fill out the part information correctly in the part module, because this module is based on that.

Odometers

This module is used to see the changing of the odometer value of the given vehicle.

This information is coming automatically from the different modules where odometer values is used.

Record ID	Date	Odometer	Source
1	2017.11.29.	150000	Expense
2	2017.12.02.	150520	Accident
3	2017.12.03.	150000	Tire
4	2017.12.10.	163000	Service
5	2017.12.10.	150000	Service
7	2017.12.10.	150000	Fuel
8	2017.12.10.	160000	Fuel
9	2017.12.10.	152000	User input
10	2017.12.11.	170000	Service
11	2017.12.11.	165000	Service
12	2017.12.11.	165000	Service
13	2017.12.11.	165000	Service
14	2017.12.11.	165000	Service

Notes

This module is used to collect any type of information from employees or drivers regarding vehicles. Later, if the give note becomes serious, that can send into the service module for further action. (“Create Service”)

All
 Closed
 Open

Note

Note Details

Date: 15

Odometer:

Name:

Reminder: 15

Reported by:

Critical issue

Result

acknowledged
 not acknowledged
 in progress

Closed on: 15

Note: Closed



Record ID	Date	Odometer	Reported by	Reminder	Critical	Closed	Closed on
1	2017.12.13	125000	Betatester	2017.12.15	<input type="checkbox"/>	<input type="checkbox"/>	
2					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Sites

You can specify different site in order to separate the following items:

- Vehicle
- Partner
- People
- Part list
- Part stock
- Purchase order

Sites - select a site to filter vehicles, partners, people, partlists, part stocks and purchase orders.

This function can be used, when for example there is a company and they have more plants.

Different plants have different vehicle stock.

In this case, if you choose one “site” on the main screen, then only the relevant vehicles and other information, belonging to the given plant, are listed in different modules and lists.

Movements

This module is used to record part movements between sites or modules.

If it is set in the Settings, then part movements between purchase orders, part stock, service and part list will be recorded automatically.

Automatically record part movements

Movements Active vehicle: Makita

ID	Name	Item	Quantity	Type	Date	From	To	Site from	Site to	Closed	Createdby
1	Első fékbetétek	A-004	5		2018.S.1 18:33:50	Partlist	Part stock			<input checked="" type="checkbox"/>	auto-admin
2	Akkumulátor	A-0003	1		2018.S.12 10:57:39	Partlist	Part stock			<input checked="" type="checkbox"/>	auto-admin
3	Téli szélvédőmosó	A-0002	2		2018.S.12 10:58:09	Partlist	Part stock	Magán	Magán	<input checked="" type="checkbox"/>	auto-admin
4	Téli szélvédőmosó	A-0002	1		2018.S.12 11:12:33	Purchase order	Part stock			<input checked="" type="checkbox"/>	auto-admin
5	Téli szélvédőmosó	A-0002	1		2018.S.12 11:12:49	Purchase order	Part stock			<input checked="" type="checkbox"/>	auto-admin
6	Akkumulátor	A-0003	1		2018.S.12 11:18:44	Part stock	Service			<input checked="" type="checkbox"/>	auto-admin
7	Első fékbetétek	A-004	1		2018.S.14 11:51:14	Part stock	Service			<input checked="" type="checkbox"/>	auto-admin
8	Első fékbetétek	A-004	1		2018.S.14 17:02:25	Part stock	Service			<input checked="" type="checkbox"/>	auto-admin
9	Első fékbetétek	A-004	1		2018.S.14 17:09:21	Part stock	Service			<input checked="" type="checkbox"/>	auto-admin

Name: Téli szélvédőmosó
 Type:
 Item: A-0002
 Date: 2018.S.12
 From: Purchase order
 To: Part stock
 Site from:
 Site to:
 Quantity: 1
 Closed

Online Data

This module is used to record fuel, maintenance or expense records on the way (for example by a mobile), and import them later into the desktop application/database from the internet.

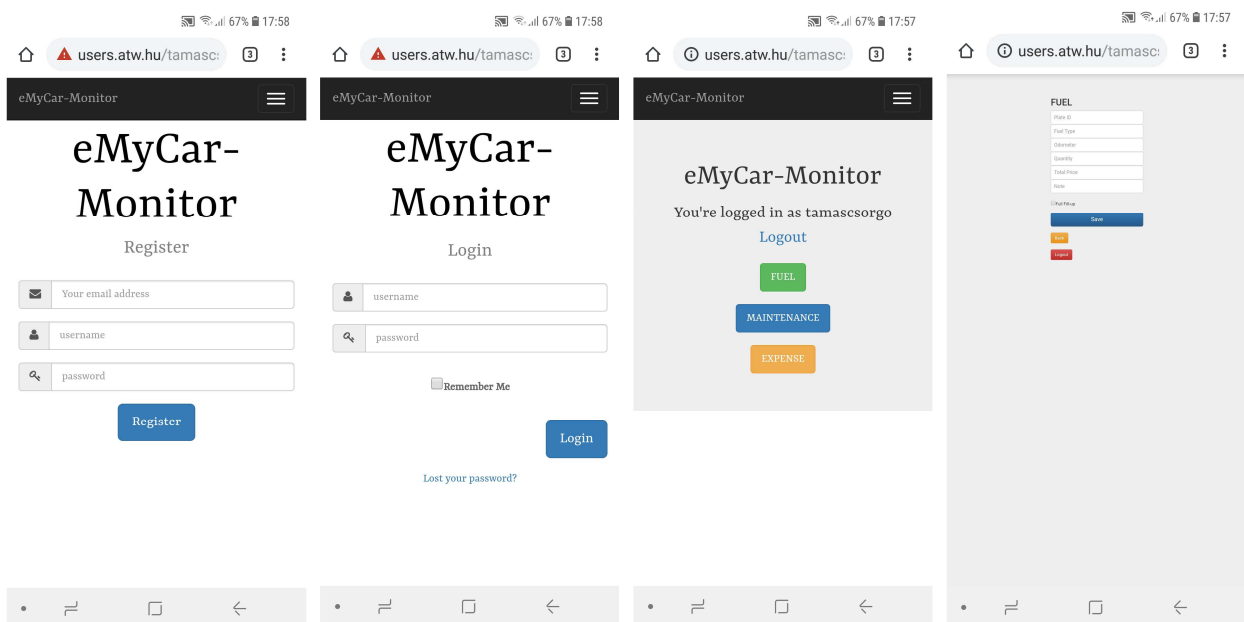
1. First you need to create an account for mobile access here:

<http://users.atw.hu/tamascorgo/online/register.php>

2. After log into your account here:

<http://users.atw.hu/tamascorgo/online/login.php>

3. Record your data into the suitable module (fuel, maintenance or expense)



4. Launch your desktop application and log into the Online Data module.
5. Enter your username and password (the same as used on the mobile access)

Username:

Password:

id	user	date	fueltype	odometer	plateid	quantity	totalprice	fullfillup	note	rectype	recname	
1	user	2019-01-04 13:32:51	benzin	128652.00	AAA-111	45.36	18653.00	1	shell, city	fuel		

6. Click on the Login and Download my Data button to get your data from the online system.
7. Optionally, you can use the Check button to see which record has been saved into the local database.
8. In order to add your online record to the local database, click on the Add Fuel, Add Maintenance or Add Expense button. Only one button is active, depending on the selected record.

🔴 Record will not be automatically saved into the local Fuel, Maintenance or Expense database. The reason of this is to give the possibility to modify the information before final saving.

It is recommended to create a shortcut on the mobile screen to reach the login page as quick as possible.



🔴 If different vehicle is detected, the application will warn you. You will have the possibility to continue the process and save your online record to the active vehicle. The reason of this is that on the mobile it is possible to enter a little bit different vehicle ID as you recorded in the desktop application.

🔴 The application will also warn you if the selected record has already been added to the local database. It is not possible to add the same record twice.

🔴 The application will remember the last used username and password, so it is necessary to enter only first time.

Comparison

This module is used to compare all active vehicles in the database.

It does not require any special setting, only click on the Refresh Data button.

eMyCar-Monitor - Free Vehicle Tracker and Fleet Management Software - Company Licence Registered

Application: General | Vehicle | Maintenance | Calculators & Reports | Reminder | Support

Sites | People | Partners | Document | Database import | Search | **Comparison** | Message

Location | Contacts | Documents | Database | Message

Comparison Active vehicle: **Tesla-01**

Refresh Data

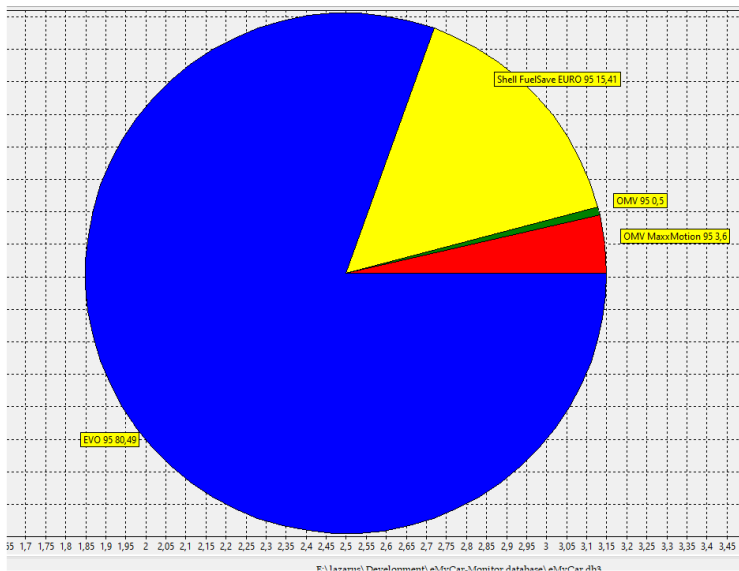
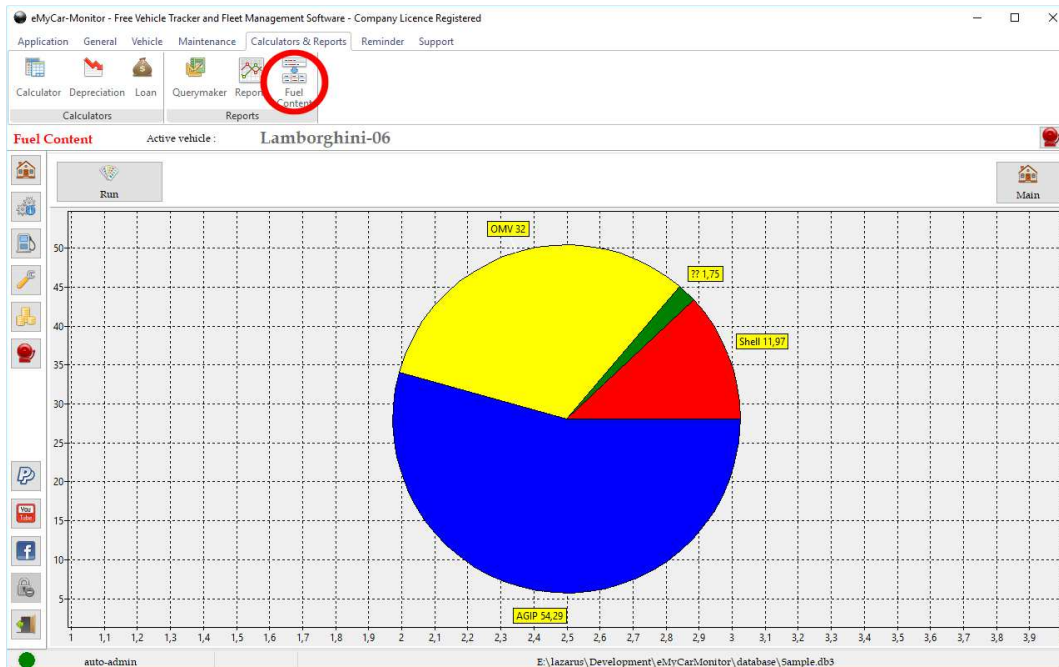
	Tesla-01	Ferrari-02	Mercedes-03	BMW-04	Tesla-05	Lamborghini-06
Purchase price	0	65005000	0	0	0	0
Actual value	0	0	0	0	0	0
Leasing	0	6000	0	0	0	0
Insurance	0	4800	0	0	0	0
Licence	0	25000	0	0	0	0

Fuel distribution in % in the tank per fuel suppliers

This report can be used to see, how many fuels are in the tank per fuel products.

It shows the actual values at the moment of the last fill up.

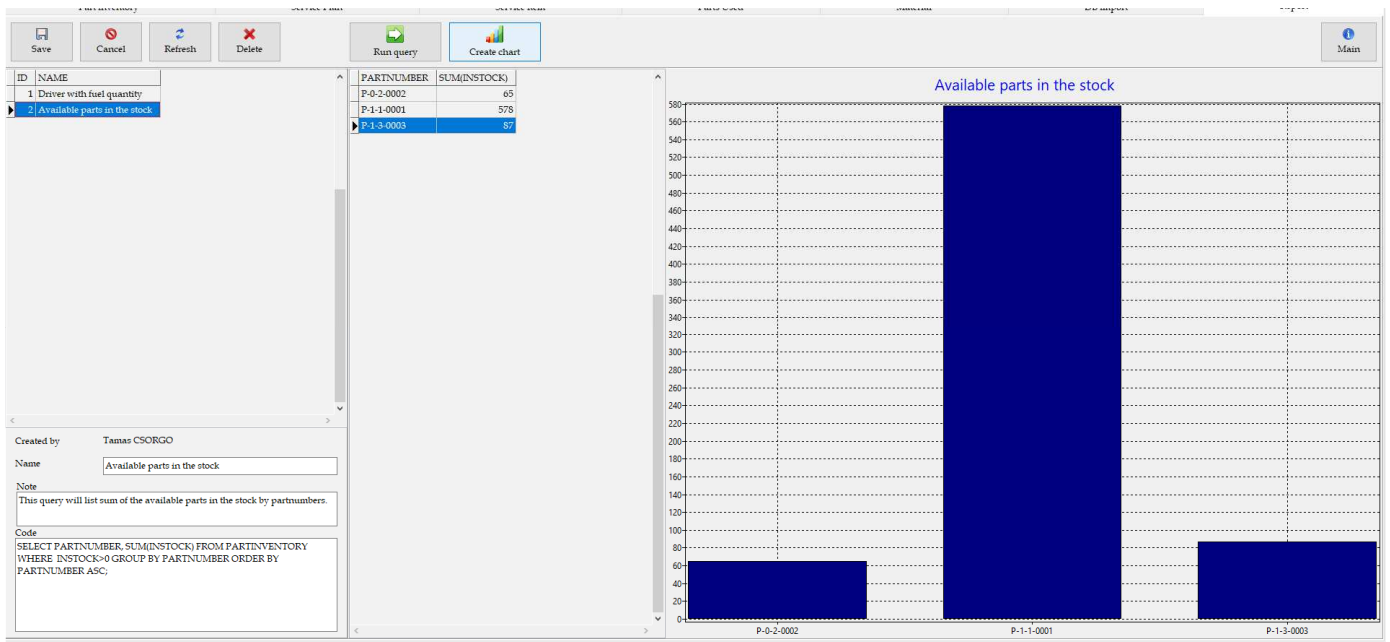
🔥 Before using this, the tank capacity has to be set in the vehicle module!



Reports

This module is used to make reports from data collected into the database.

Query commands can be made in the Querymaker module!



Certificate report

This module can be used to create a report about analysis of the mileage recorded.

Calculation analyses' the recorded values in the database and give an estimation about how valid it seems.

Mileage certification

This report has been made by eMyCar-Monitor, free fleet management software

FUELS

Year	Odometer	Created On	Modified On
2012	8	2017.12.26. 9:40:20	2017.12.26. 9:42:51
2013	19199	2018.01.20. 21:53:49	2018.01.20. 21:53:49
2014	38175	0	0
2015	55590	0	0
2016	74717	0	0
2017	92040	0	0
2018	109199	2018.02.03. 8:29:14	2018.02.03. 8:29:14
2019	129088	2019.01.13. 17:52:35	2019.01.13. 17:52:35
2020	145128	2020.01.10. 20:16:09	2020.01.10. 20:16:09

MAINTENANCES

2012	1499	0	0
2013	19199	0	0
2014	37000	0	0
2015	56000	0	0
2016	75120	0	0
2017	91600	0	0
2018	109429	2018.01.07. 12:06:53	2018.01.07. 12:09:25
2019	129500	2019.01.20. 17:28:04	2019.01.20. 17:28:04
2020	145205	2020.01.10. 20:20:35	2020.01.11. 7:38:33

ODOMETER READINGS

2017	104435	2017.12.27. 10:31:56
2018	109199	2018.02.03. 8:29:14
2019	128080	2019.01.02. 10:06:10
2020	5	2020.09.14. 11:01:17

Based on the registered information of this vehicle, estimated authenticity of mileage is the following:

83,10 %

This vehicle has been involved into the following number of accident(s): 2

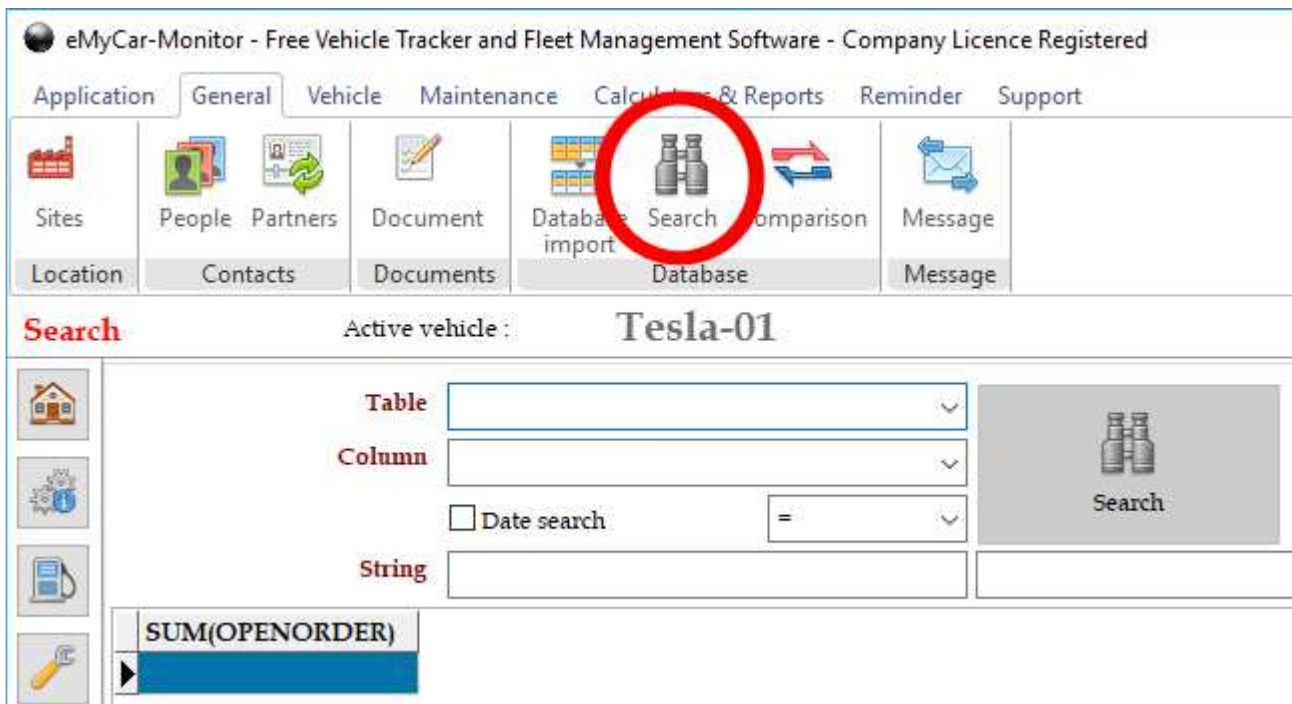
This vehicle has the following number of breakdown(s) registered: 0

Created on: 2020.09.17. 9:15:12

0 / 1

Search module

This module can be used to search in the database based on the specified criteries.



eMyCar-Monitor - Free Vehicle Tracker and Fleet Management Software - Company Licence Registered

Application | General | Vehicle | Maintenance | Calculators & Reports | Reminder | Support

Sites | People | Partners | Document | Database import | Search | Comparison | Message

Location | Contacts | Documents | Database | Message

Search Active vehicle : **Tesla-01**

Table [Dropdown]
Column [Dropdown]
 Date search = [Dropdown]
String [Text Field]

Search

SUM(OPENORDER)

It uses standard SQL commands which can be modified in the given field and generated again by clicking on the Query button.

[Text Field] [Query]

Depreciation module

Using this module, you can calculate the depreciation of a new or an used vehicle.

Vehicle Data

New vehicle Used vehicle

Purchase price of NEW vehicle: 5000000

Purchase price of vehicle: []

Vehicle's age in years: []

Years you plan to own vehicle: []

Depreciation model: Average model

Vehicle Age	Depreciation Rate	Depreciation Cost	Resale Value
0	0	0	5000000
1	0,28	1400000	3600000
2	0,2	2400000	2600000
3	0,16	3200000	1800000
4	0,08	3600000	1400000
5	0,06	3900000	1100000
6	0,05	4150000	850000
7	0,04	4350000	650000
8	0,03	4500000	500000

Statistics and Chart

Statistics

Total Depreciation cost	4500000,0
Total depreciation percentage	90,0 %
Average annual depreciation cost	562500,0
Average annual depreciation percentage	11,3 %
Final vehicle age in years	8
Resale value at end of ownership period	500000,0

VehicleValue Over Time

By default, this module uses a default depreciation model, but you can add new one or modify the existing models according to your needs.

Models

Average model

Note

ID	Model Name	Vehicle year	Depreciation rate
1	Average model	1	0,28
2	Average model	2	0,2
3	Average model	3	0,16
4	Average model	4	0,08
5	Average model	5	0,06
6	Average model	6	0,05
7	Average model	7	0,04
8	Average model	8	0,03
9	Average model	9	0,02
10	Average model	10	0,01
11	Average model	11	0,01
12	Average model	12	0,01
13	Average model	13	0,01
14	Average model	14	0,01
15	Average model	15	0,01
16	Average model	16	0,01
17	Average model	17	0,01

Useful links:

<https://godcalculators.com/car-depreciation-calculator/>

<https://www.omnicalculator.com/finance/Car-depreciation>

<https://www.free-online-calculator-use.com/car-depreciation-calculator.html>

<https://services.edmunds-media.com/image-service/unversioned-ed/ximm/?quality=85&image=/img/depreciation-infographic/how-fast-does-my-new-car-lose-value-2.jpg>

Consumptions (Extra's)

Using this module, you can store any consumption relevant features like e.g. gas, water or electric current at your home.

This module has been developed as an extra function.

First, you need to define the type of the feature.

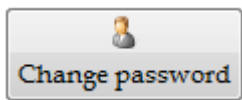
Then add readings to the given type.

🔴*At least one day must be between dates of the consecutive readings! It is very important!

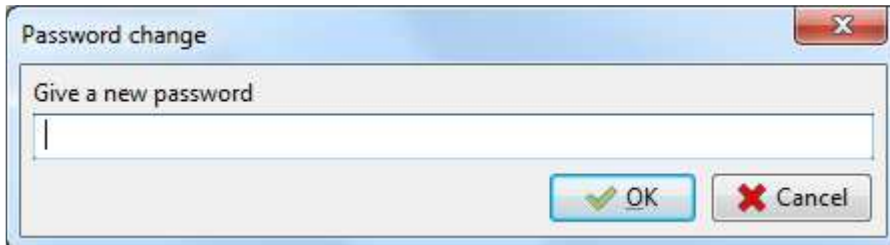
Application will calculate and show on the graph the average consumptions between readings.

Change Password

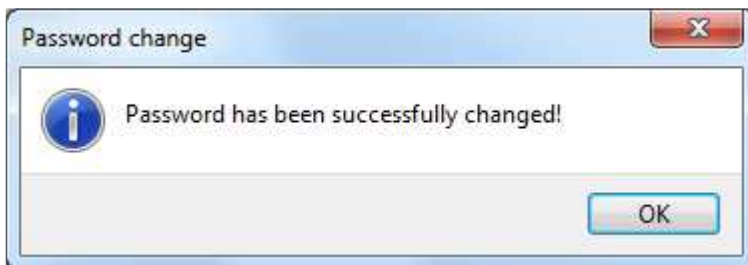
After successful login, user can change his/her password by Settings/Change Password.



Password is requested by this input box



Confirmation of the successful change



Warning message about unsuccessful change



Message Module

Core application is able to manage simple messages between the users. Messages are stored in the “Message” table.

🔒 Messages can be sent encrypted, so for confidential information you should use this function.

Rules:

- message can only be sent to one receiver,
- sent message can only be deleted till receiver does not read that, so read message cannot be deleted by the sender,
- outgoing messages can be visible until receiver does not delete that,

Incoming message module:

The screenshot shows the 'Incoming' tab selected. It features a form with fields for 'Sender', 'Receiver', and 'Sending time' on the left, and 'Subject' and 'Message' on the right. A 'Delete' button with an 'X' icon is positioned below the 'Message' field. At the bottom, there is a table with columns: SENDER, RECEIVER, DATE, SUBJECT, TEXT, ATTACHMENT, READDATE, and STATUS. The first row of the table is highlighted in blue.

Outgoing message module:

The screenshot shows the 'Outgoing' tab selected. It features a form with fields for 'Sender', 'Receiver', and 'Sending time' on the left, and 'Subject' and 'Message' on the right. A 'Delete' button with an 'X' icon is positioned below the 'Message' field. At the bottom, there is a table with columns: SENDER, RECEIVER, DATE, SUBJECT, TEXT, ATTACHMENT, READDATE, and STATUS. The first row of the table is highlighted in blue.

Message sending module:

The screenshot shows the 'Sending' tab selected. It features a 'New' button with a plus icon, a 'Send' button with an envelope icon, and a 'Cancel' button with a power-off icon. Below these are input fields for 'Receiver', 'Subject', and 'Message'. A warning message at the bottom states: 'Important: messages are not encrypted, so sending of confidential information are not recommended!'.

Reliability Index

Reliability Index is a number which represents the condition of your vehicle. It is calculated from the following factors:

- fuel consumption
- service costs
- breakdown cases
- breakdown costs
- breakdown duration
- age of the vehicle

In case of fuel consumption reference value, you can add this manually or application is able to calculate this from the database.

Fuel settings

Reference - average fuel consumption #1

calculate reference automatically from fuel database

Reliability Index number does not give an exact good or bad classification, only gives a trend about how it has changed and an actual number what you can compare to the previous ones.

This function can be enabled within settings and here you can define the limits.

Application Appearance Database Variables Numbering Special Odometer Accuracy Reliability Index

Reliability Index function enabled

Yellow limit

Red limit

Reliability Index description

Good > 0

Default (normal) = 0

Should be better (below yellow warning limit) < yellow limit

Bad (below red warning limit) < red limit

Calculation can be launched by clicking on the “Calculate” button. In case of any problem, like missing data, error messages will be displayed.

How does it work?

First, the query will collect all records from the concerned modules. After calculate the individual reliability value for each rows and finally the cumulated reliability index. Graph is created from reliability index.

Application shows the details of the index separated by the factors:

Fuel factor:	0,13
Service factor:	-1,67
Breakdown factor:	0,00
Age factor:	-3,19

Fuel settings: Reference - average fuel consumption #1: calculate reference automatically from fuel database

Fuel factor: 0.13 Service factor: -1.67 Breakdown factor: 0.00 Age factor: -3.19

Date	Age	Mileage	Fuel Average	Service Cost	Breakdown Case	Breakdown Cost	Breakdown Duration	Reliability Value	Reliability Index
2012.02.03	1	351	9.16					-0.24	-0.24
2012.02.15	1	913	8.62					-0.06	-0.30
2012.03.03	1	1483	8.87					-0.09	-0.40
2012.03.10	1	1901	8.15					0.00	-0.40
2012.03.13	1	2271	8.39					-0.03	-0.43
2012.03.20	1	2798	7.72					0.05	-0.38
2012.04.03	1	3245	8.68					-0.07	-0.45
2012.04.17	1	3899	7.63					0.06	-0.39
		4161	8.32					-0.02	-0.42
2012.05.01	1	4681	8.12					0.00	-0.42
2012.05.16	1	5311	8.58					-0.06	-0.47
2012.05.26	1	5760	7.9					0.03	-0.45
2012.06.08	1	6414	8.02					0.01	-0.43
2012.06.24	1	6991	7.8					0.04	-0.39
2012.06.28	1	7272	7.92					0.02	-0.37
2012.07.06	1	7812	8.45					-0.04	-0.41
2012.07.16	1	8434	7.16					0.12	-0.29
2012.08.03	1	9162	7.95					0.02	-0.27



- ⚠ Please note that for the correct operation of this module, some fields are mandatory to fill out in other modules.
- ⚠ Missing data will be displayed in the error list.

SQL editor

This module can be used by trained people who have knowledge about SQL language.

Some basic commands can be found in the SQL folder of the application and can be opened by Open SQL command button.

The screenshot displays the eMyCar-Monitor SQL editor interface. At the top, there is a login section with fields for 'User' and 'Password', and buttons for 'Login' and 'Logout'. The 'Active vehicle' is set to 'TEST_CAR'. Below the login section is a toolbar with buttons for 'Run', 'Clear', 'Update and Run', 'Save', 'Delete Row', 'ExecSQL', 'Open SQL file', 'Save SQL file', 'Save As SQL file', and 'Main'. The main area contains a SQL query: `SELECT * FROM VEHICLE WHERE DATE(CREATEDON) > '2017-01-01'`. Below the query is a table with the following columns: ID, IDNAME, YEAR, MAKER, MODEL, VIN, TYPE, CATEGORY, GROUP, STATUS, ACTIVE, LOCATION, NOTE, PLATE, RENEWAL, FUELTYPE1, FUELTYPE2, DISTANCEUNIT. The table contains two rows of data:

ID	IDNAME	YEAR	MAKER	MODEL	VIN	TYPE	CATEGORY	GROUP	STATUS	ACTIVE	LOCATION	NOTE	PLATE	RENEWAL	FUELTYPE1	FUELTYPE2	DISTANCEUNIT
1	TEST_CAR	2018								<input checked="" type="checkbox"/>		(memo)			GASOLINE		
2	MY_CAR	2015	OPEL							<input checked="" type="checkbox"/>		(memo)			GASOLINE		

The status bar at the bottom shows 'auto-admn' and the database path 'H:\lazarus\Development\eMyCarMonitor\database\eMyCar.db3'.

⚠️ Modification of the database is dangerous! Please use this module carefully!

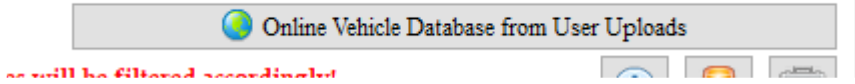
Using the right click menu on the result tables, you can export the table into MS Excel.

Online Vehicle Database using user uploads from eMyCar-Monitor

This module can be used to see what type of vehicles are followed by this software and how much consumption and mileage they have.

This module can be started by clicking on the button on the main screen.

partlists, part stocks and purchase orders.



This will open another form which will contain the base data of the active (selected on the main screen) data.

After that you need to create a user ID, which will identify you in the global database. Choose a name and click on the create button. In case of successful creation, a message will confirm that. User ID can not be modified later on.

A screenshot of a form titled "My Profile". It contains a text input field for "User ID (it can not be modified later)" and a "Create" button with a green plus icon.

In order to connect to the database, click on the connect button on the top.

If you would like to update your online record, lick on the update button on the top. Successful update is confirmed by a message.

Update button will use your user ID and vehicle ID to find your record, which needs to be updated. If no record is found, then a new entry will be created.

For all vehicle, please do not forget to fill out all mandatory field including calculation method as well.

A screenshot of a dropdown menu titled "Consumption Calculation Method". The selected option is "L/100km".

Database specific information

This application is able to detect and notify when the database was modified by other user during the usage.

Green lamp means: no modification



Red lamp means: modification was/were done by other user(s).



By clicking on the Refresh button, modifications can be taken over into the actual database view and lamp will change to green.

🔴*Modules save for all records the name and time of the creator/creation and modifier/modification.

CREATEDBY	CREATEDON	MODIFIEDBY	MODIFIEDON
admin	2017.09.05. 13:30:59	admin	2017.09.16. 11:47:27
auto-admin	2017.09.18. 19:31:04	admin	2017.09.23. 19:44:04
auto-admin	2017.09.19. 14:47:46	auto-admin	2017.09.19. 14:47:46
auto-admin	2017.09.19. 14:47:53	auto-admin	2017.09.19. 14:47:53

🔴*In case of foreign Key columns, the data are connected, so some special rules are used:

- original record cannot be deleted if the data of that is used in other table
 - o e.g.: message is sent to XY person. The XY person name cannot be deleted from USERS table, because that is used somewhere. Error message will be generated in this case:



In this case, Cancel or Refresh command has to be used to set the database back.

- if original data is modified, then consequent record(s) will be changed accordingly.

🔴*At the end of this user guide, you can find information about how to disable this foreign key function.

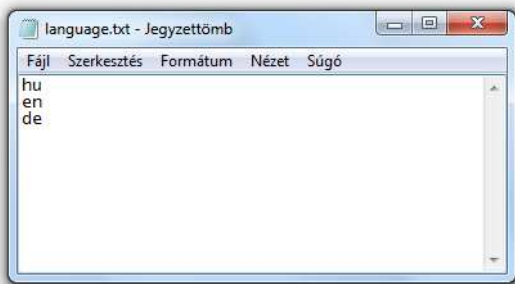
Translations

CORE application is able to manage more languages and set the displayed text according to the selected one.

Files which are used for translations and the method how to make a new one:

- translate the original translation file: xxxx.po
 - o translations can be done by PO editor software, like POEdit or with online solutions
- translated file has to be named like xxxx.yy.po where yy means the abbreviation of the given language
- “yy” has to be added to language.txt

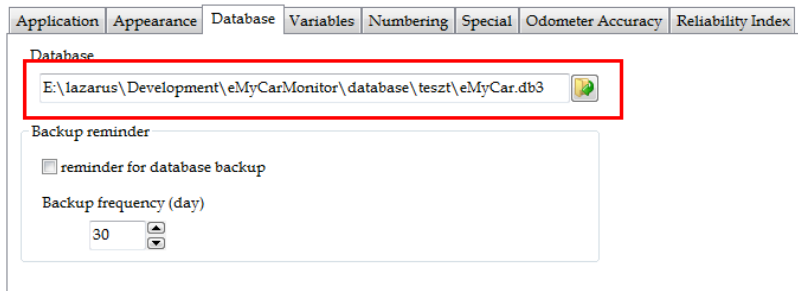
Coffee_bar.de.mo	2017.09.16. 20:46	MO fájl	4 KB
Coffee_bar.de.po	2017.09.25. 15:40	PO fordítás	16 KB
Coffee_bar.en.mo	2017.09.24. 17:32	MO fájl	12 KB
Coffee_bar.en.po	2017.09.25. 15:40	PO fordítás	17 KB
Coffee_bar.hu.mo	2017.09.24. 17:11	MO fájl	12 KB
Coffee_bar.hu.po	2017.09.25. 15:40	PO fordítás	18 KB
Coffee_bar.mo	2017.09.23. 17:24	MO fájl	1 KB
Coffee_bar.po	2017.09.25. 15:40	PO fordítás	15 KB
language.txt	2017.09.08. 20:25	Szöveges dokume...	1 KB



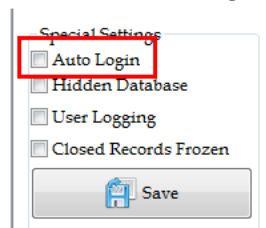
🌟 *If you have a new language file, please send to me and I will include into the next release. Thanks!*

Network mode and user restriction

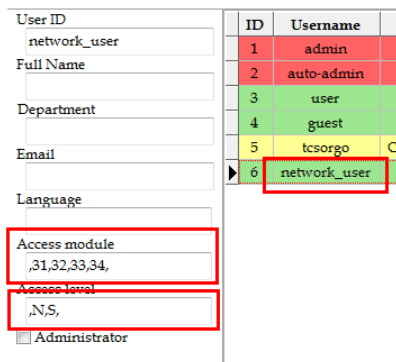
1. locate your database to a network place where all workstation will be able to reach.
2. locate an application copy on the computer of the workstation.
3. set the database path to the network copy.



4. disable the auto login (user login will be requested) – untick and save



5. set user restriction – see sample
 - a. this user has access to the following modules: 31, 32, 33, 34 (module numbering is below)
 - b. this user is able to add New record and Save. (Deletion is not allowed)



6. restart the application and try.
7. new user password will be the username.

Access module numbering is specified at the beginning of this document.

See also adminguide.pdf for more information.

Error messages

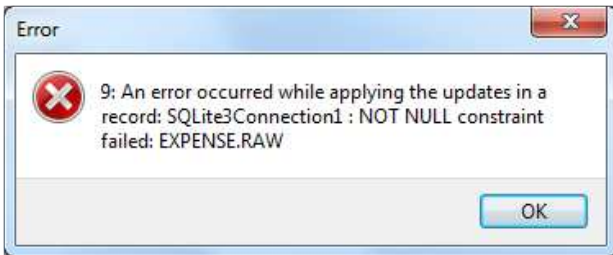
Of course, I have tried to write this application without errors, but despite that, errors are possible.

🔴 *If you have found any error, first, please specify how it has happened. It will help me to find a lot to find the cause and eliminate that.*

Typical error messages

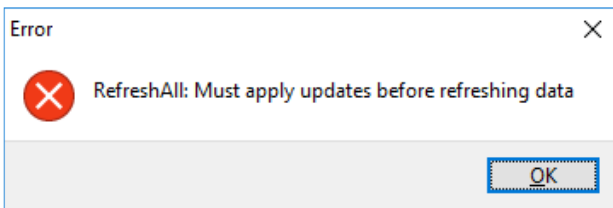
NOT NULL: field expects a value, but user try to save the field without data.

Solution: add mandatory data.



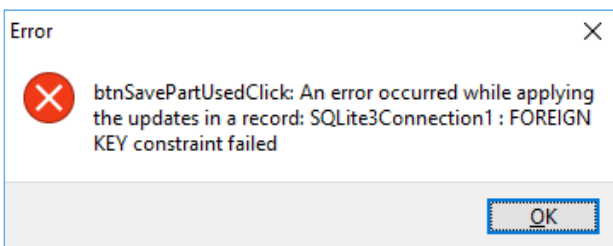
MUST APPLY UPDATES: data input has been started, but not finished, so one of the tables are open and waiting for data. Because of this, other tables are not able to receive data changes.

Solution: try to find the table which is in edit mode and Cancel the in-process operation.



FOREIGN KEY CONSTRAINT FAILED: relation of the tables is not fulfilled. It means that, some fields can only be filled out with data from other tables. E.g.: vehicle name is specified in the vehicle table, but this vehicle name is used by other tables as well. Advantage: if you modify the name of the vehicle, that will be updated in the other tables as well.

Solution: always use the data, stored in the database. Please take into account, that this is a relational database and fields are connected to each other.



🔴 *Foreign key rule can be temporarily disabled with this command in the SQL module with the following method:*

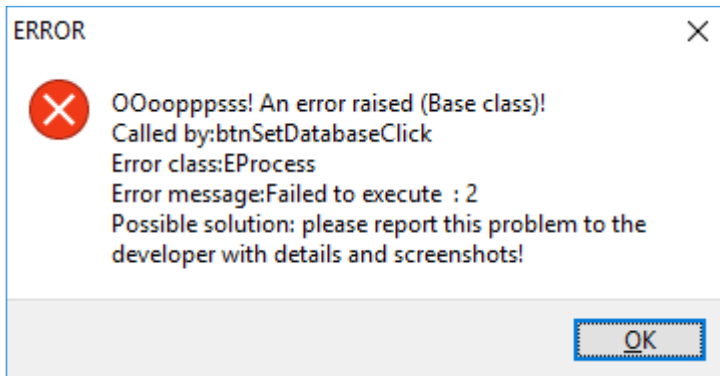
- write this command in : `PRAGMA foreign_keys = OFF;`
- click on the Run button. Error message will display. Click OK.
- Click on the ExecSQL button

Please be careful using this command because this can cause serious data lost. Application must be restarted to activate this function again.

APPLICATION DOES NOT RESTART: after some operation, e.g.: database change, application should be restarted. It does not happen and gives this error message.

Solution: application path contains some special or Unicode character e.g.: C:\ Desktop\v5\v5_beta_64bit māsolata\eMyCar.exe.

Path must be corrected.



*Thank
you*

