MANUAL

RAVAS SafeLoad Manager

Contents

Installing the application *1

Copy the application installer on your local hard disk.

| 🔧 RavasSafeload1.0.5.43 | 30-1-2017 16:37 | Windows Installer... | 1.187 kB |

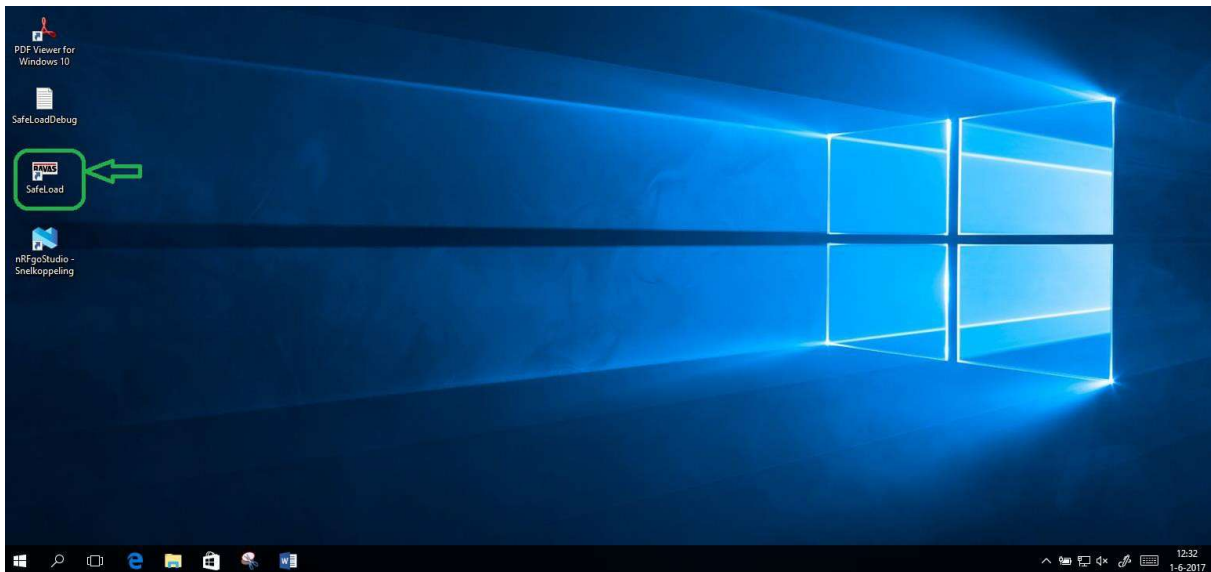Double click on the installer application to install the application on your local computer/laptop with Windows 10 OS. The installer will automatically place a shortcut on your desktop.
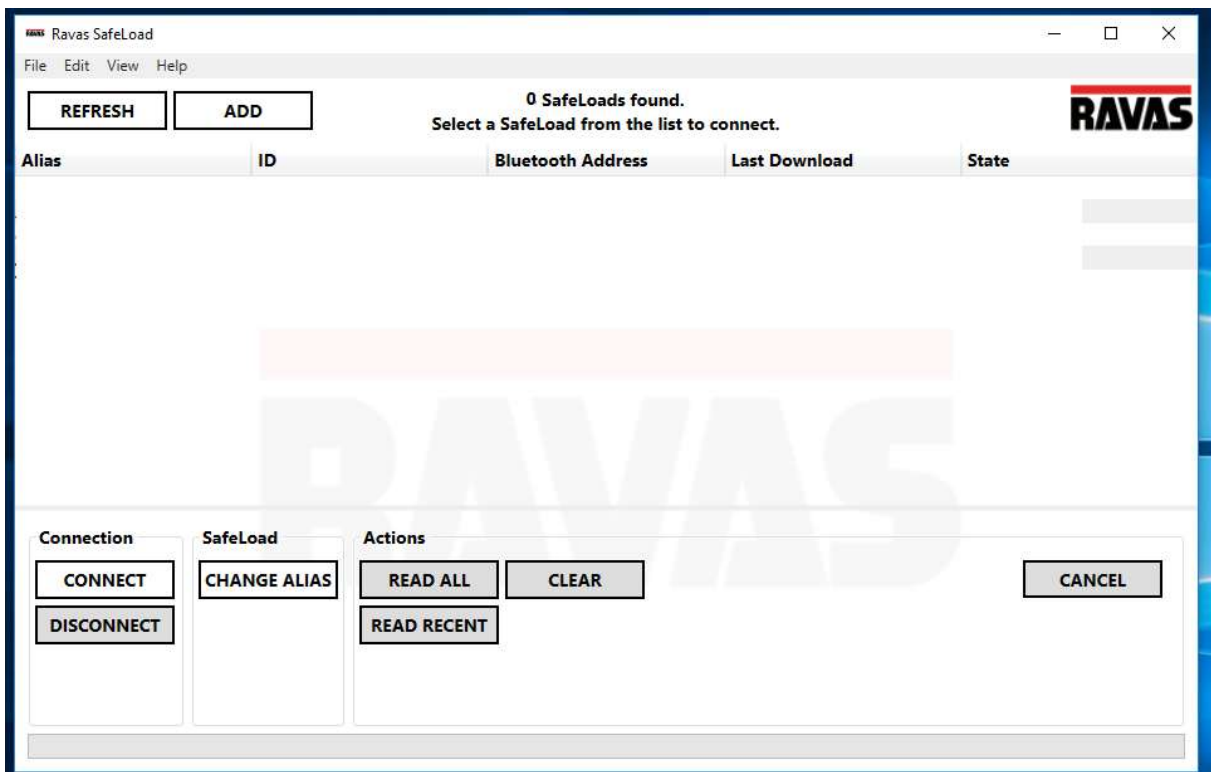

*1: Newest release is: RAVAS SafeLoad 1.0.6.48

Starting the RAVAS SafeLoad Manager application

Double click on the shortcut.

The application will be opened and you will see the following on your screen;

The top bar consists of 4 menu scroll bars;

- File; [Add/Refresh/Connect/Disconnect/Exit]
- Edit; [Change Alias]
- View; [Language/Show Log Window]
- Help; [About]

Most functions are also available as buttons so we will restrict ourselves in this chapter to the menus View and Help.

➢ View: Language – it is possible to choose between 3 languages; English, Dutch and German. After the new language is selected the application needs to restart.
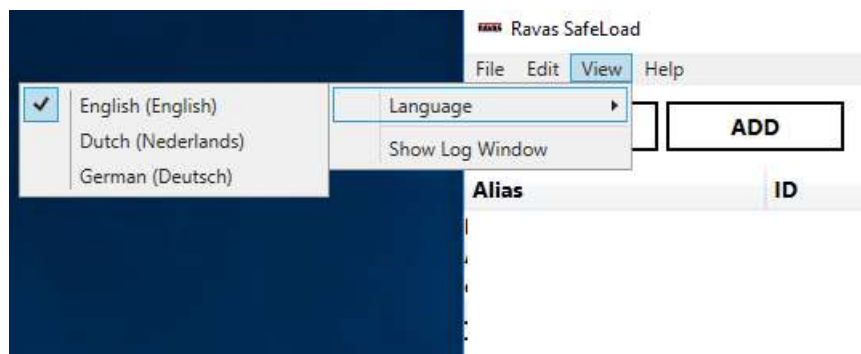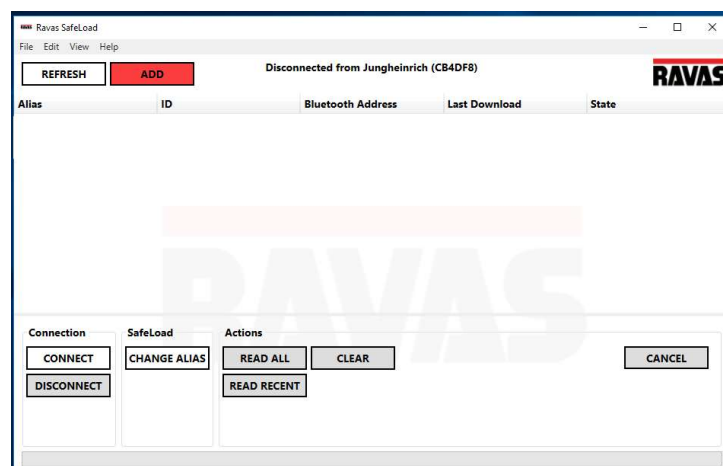

: Show Log Window – this will show the application log file.

➢ Help: About – this will display the used version of the application. At this point there is no automatic update available of the software. Please inform your agent for newer versions.

Using the RAVAS SafeLoad manager

First step is to add new SafeLoad devices to your list. For this you click on the [ADD] button.

The device manager of Windows for wireless connections will automatically be opened and a search for new wireless devices will be started.
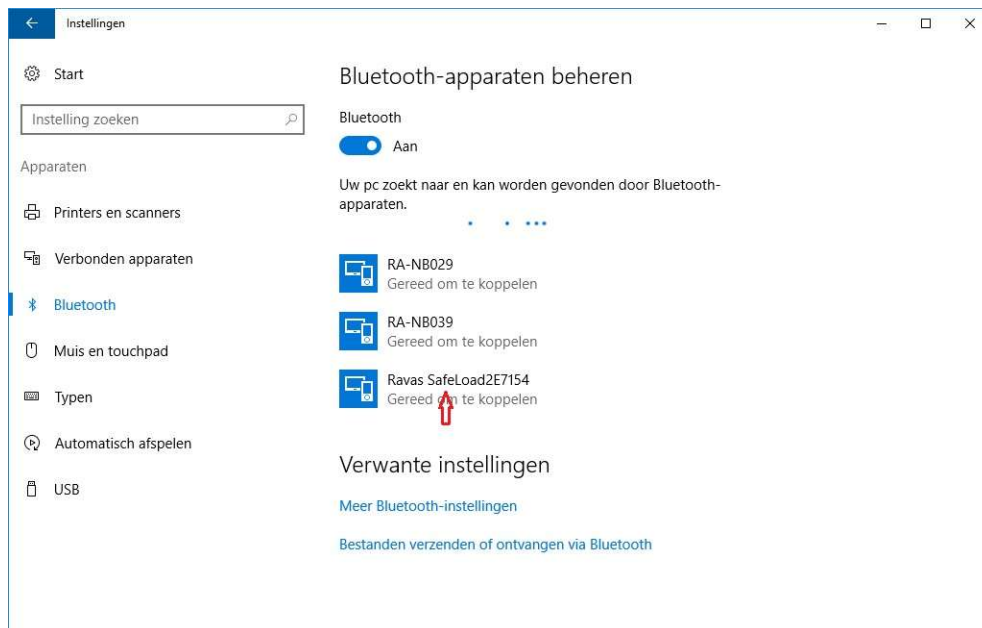
Select the RAVAS SafeLoad devices you want to add to your list and make a connection, one by one. All RAVAS SafeLoad devices have the same unique pre-description making it easier to find them;

Ravas SafeLoadXXXXXX (where XXXXXX stands for the unique wireless address).

Once all RAVAS SafeLoad devices are connected you can close off the wireless connections manager application and return to the RAVAS SafeLoad application. The devices are not shown in the list. For this you need to click on the button [REFRESH]. After that all new devices which were connected will be added to the list.
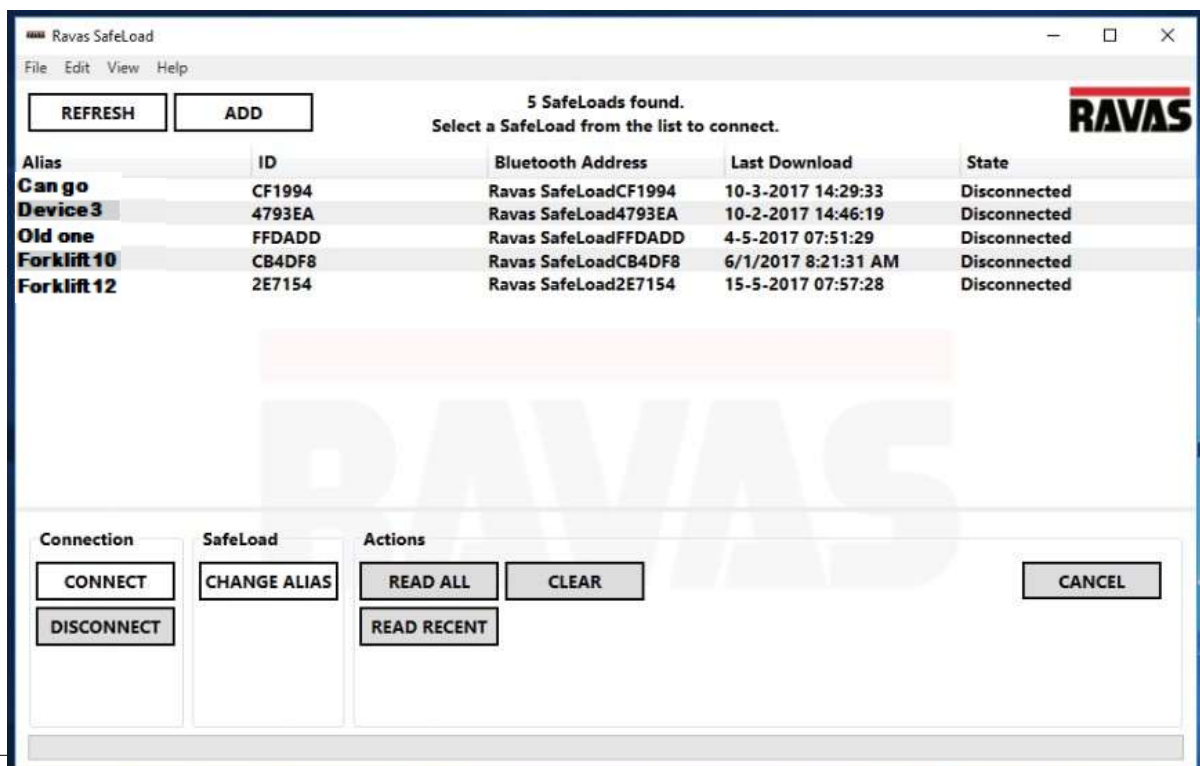
Function buttons

The RAVAS SafeLoad application shows a screen with 9 different buttons. For the functionality of these buttons see following paragraph. You can also use the menus in the upper menu bar.

Under the tab "Help" you can look up the version of your RAVAS SafeLoad application.
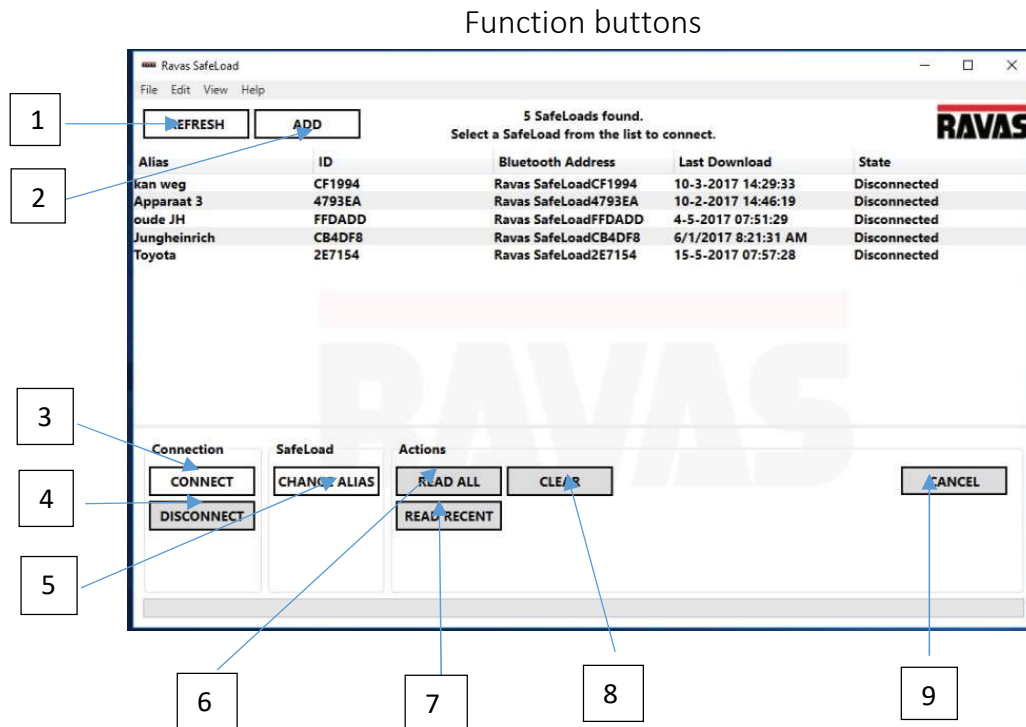
Function buttons

1 – REFRESH: refresh the RAVAS SafeLoad devices list.

If new devices were found, they will be added to the list.

2 – ADD: add new devices to the list.

This will open the wireless device manager where new RAVAS SafeLoads can be added.

3 – CONNECT: make a connection with the selected RAVAS SafeLoad device.

To make a connection, first select a device from the list. The selected device will be highlighted.

4 – DISCONNECT: disconnect the selected RAVAS SafeLoad device.

The connection with the RAVAS SafeLoad device will be lost. If a download is being processed, a warning will be put to the screen first.

5 – CHANGE ALIAS: change the device name.

To change the device name, select the RAVAS SafeLoad device from the list. The device selected will be highlighted. The new name will be shown in the device list.

6 - READ ALL: read all logging data from the connected device.

*To download all the logging data from the selected RAVAS SafeLoad.*

NOTE: with a full memory (10.000 registrations)this could take up to 10 minutes!

7 – READ RECENT: read only the new logging data from the selected device.

To download only the new logging data from the selected RAVAS SafeLoad. Selecting this option will save download time.

8 – CLEAR: clear the logging data from the selected RAVAS SafeLoad.

To clear all logging data from the memory of the selected RAVAS SafeLoad. You will be asked to enter an administrator password [RavasSafeLoad] for this.
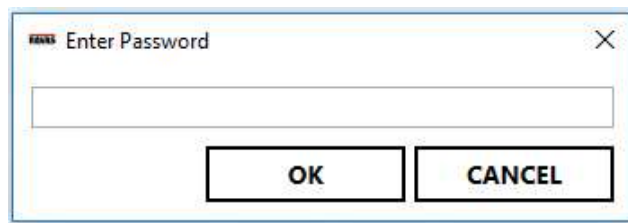
You will be asked to verify this action before the data is really erased from the memory of the RAVAS SafeLoad. Once confirmed, the action cannot be undone.
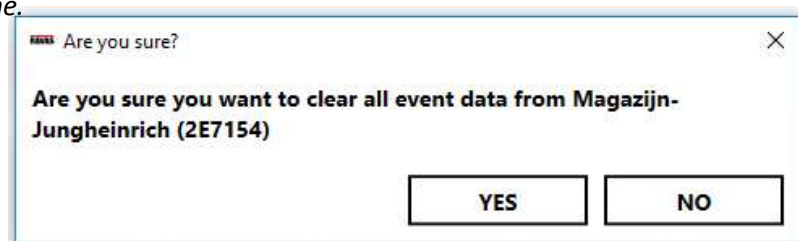
WARNING: all logging data in the RAVAS SafeLoad will be lost!

9 – CANCEL: cancel the download process.

To cancel a download process. The download will be interrupted and no data will be stored. A warning is shown before continuing this action.
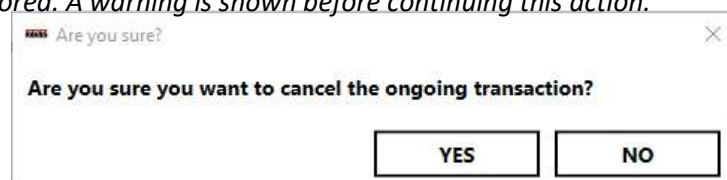
Saving the logging data to a CSV-format file

First select the device you want to retrieve the data from:
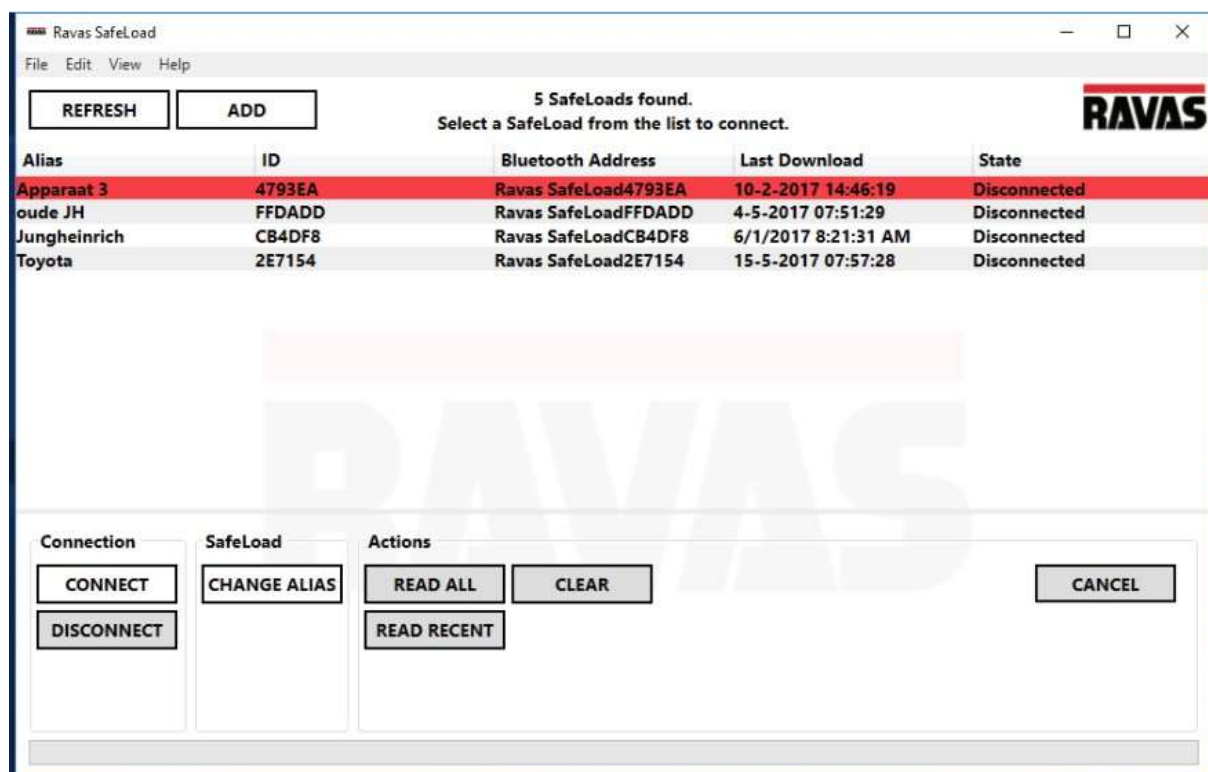
Click the button [CONNECT]:
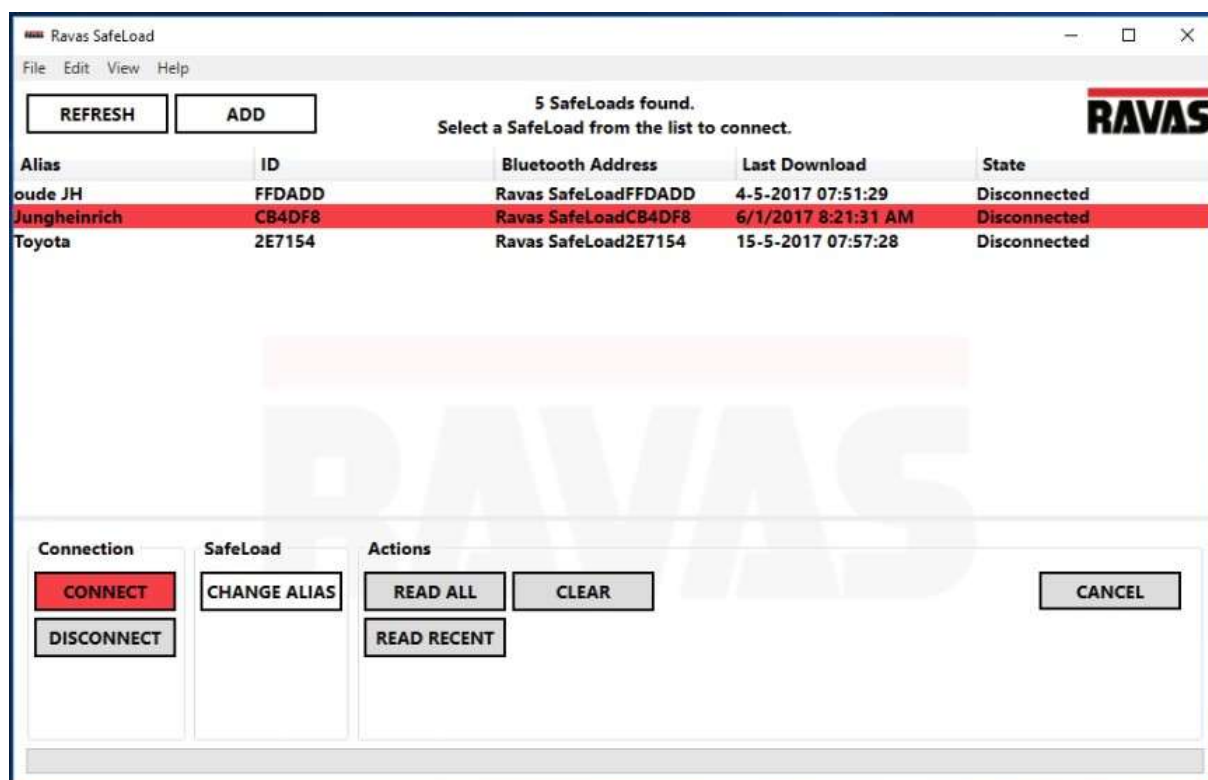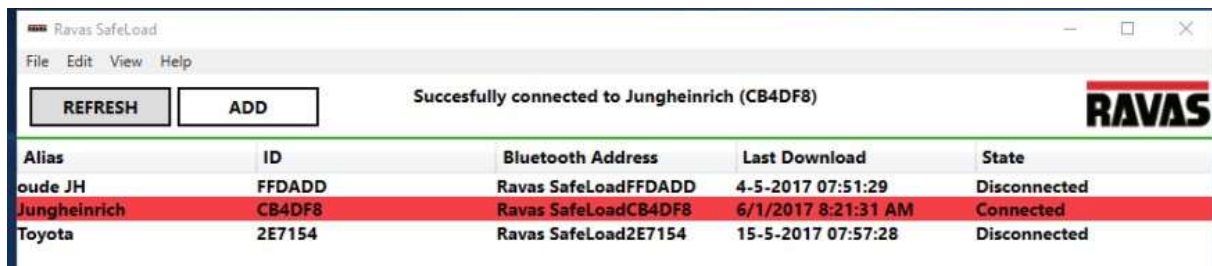
A successful connection has been established.

Click the button [READ ALL] or [READ RECENT]:

This will open the explorer manager in which you can decide where to place your retrieved data and how to name the file.
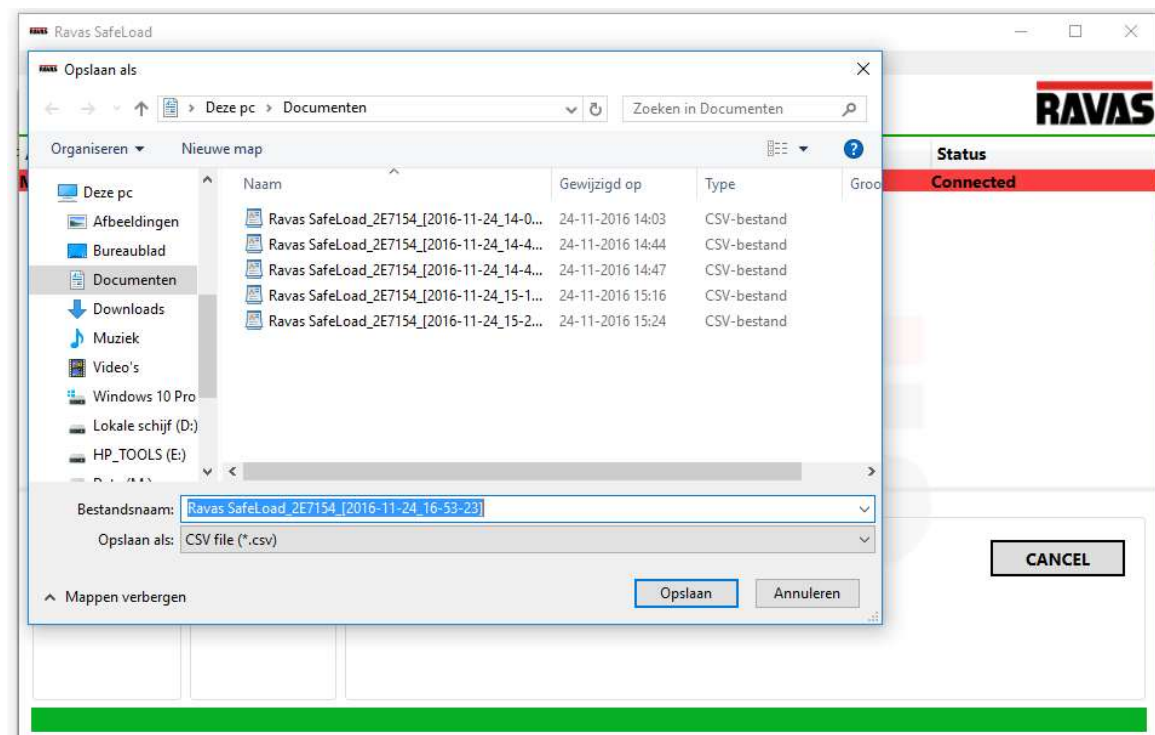
Accept the file name as shown or change it to your own preferences.

Your logging data will be saved as CSV-format file. This format is very common in database or excel programs. The default file name is the device name added with the date and time but you may change this to your own preferences. Every logging is separately filed. There is no adding to an existing file possible. If the same file is selected the old data will be overwritten by the new data.

The download will start after the file name is accepted or changed:

Download has been completed. In this case 120 records were found and saved. You may now disconnect the device by clicking the [DISCONNECT] button.

Reading the data in excel

Open the csv-file in windows explorer:

Use a spreadsheet application like Microsoft Excel to view the log data.

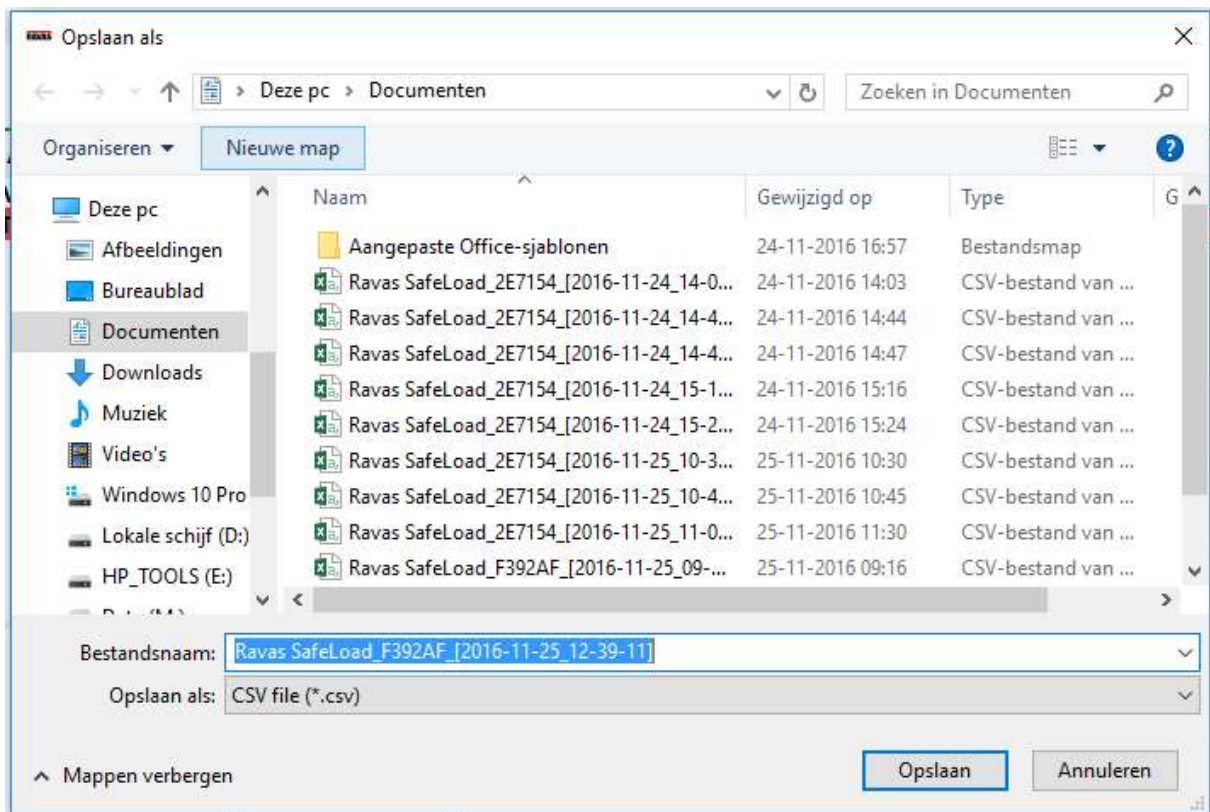|	A	B	C	D	E	F	G	H	I	J	K
1	Date	Time	Device ID	Alias	Event	Description	Number	Weight (kg)	Moment (%)	Height Switch	Segment
2	12-5-2017	14:43:54	CB4DF8	Jungheinrich	Error	OLOAD: Overload (oil)	93	2450	9	High	0
3	12-5-2017	14:44:00	CB4DF8	Jungheinrich	Rule		0	0	7	High	0
4	12-5-2017	14:47:10	CB4DF8	Jungheinrich	Error	OLOAD: Overload (moment)	95	850	124	High	1
5	12-5-2017	14:47:22	CB4DF8	Jungheinrich	Rule		0	0	13	Low	0
6	12-5-2017	14:47:47	CB4DF8	Jungheinrich	Error	OLOAD: Dynamic Overload	94	1200	140	High	3
7	12-5-2017	14:48:07	CB4DF8	Jungheinrich	Rule		0	0	9	Low	0
8	12-5-2017	14:49:29	CB4DF8	Jungheinrich	Error	OLOAD: Overload (moment)	95	1700	144	Low	0
9	12-5-2017	14:50:44	CB4DF8	Jungheinrich	Rule		0	0	10	Low	0
10	12-5-2017	15:23:30	CB4DF8	Jungheinrich	Power	Down	0	200	13	Low	0
11	12-5-2017	15:23:50	CB4DF8	Jungheinrich	Power	Up	1	200	13	Low	0
12	16-5-2017	16:36:28	CB4DF8	Jungheinrich	Audit Trail Parameter		95	0	0	Low	0
13	16-5-2017	16:38:34	CB4DF8	Jungheinrich	Audit Trail Parameter		99	0	0	Low	0
14	16-5-2017	16:40:52	CB4DF8	Jungheinrich	Audit Trail Parameter		105	0	0	Low	0
15	16-5-2017	16:41:09	CB4DF8	Jungheinrich	Power	Down	0	-100	0	Low	0
16	17-5-2017	7:41:30	CB4DF8	Jungheinrich	Power	Up	1	-150	3	Low	0
17	17-5-2017	16:27:17	CB4DF8	Jungheinrich	Power	Down	0	0	0	Low	0
18	17-5-2017	16:40:29	CB4DF8	Jungheinrich	Power	Up	1	0	0	Low	0
19	18-5-2017	8:07:59	CB4DF8	Jungheinrich	Power	Down	0	0	0	Low	0
20	18-5-2017	8:11:25	CB4DF8	Jungheinrich	Power	Up	1	0	0	Low	0
21	18-5-2017	15:55:45	CB4DF8	Jungheinrich	Power	Down	0	-100	-13	Low	0
22	19-5-2017	6:43:20	CB4DF8	Jungheinrich	Power	Up	1	-150	-12	Low	0
23	19-5-2017	14:21:05	CB4DF8	Jungheinrich	Error	OLOAD: Dynamic Overload	94	2400	22	High	0

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Tip: in Excel you can use 'turntables and slices' for optimum selection of specific data. You can find more info on YouTube about this topic.

The fields represent following data:

Field	Description	Format	Remarks
Date	Date of logging	EU: dd-mm-yyyy	Can differ for other languages
Time	Time of logging	EU: hh:mm:ss	Can differ for other languages
Device ID	Unique device address	Last 6 character of MAC address	The Wireless address can also be retrieved at the SafeLoad
Alias	Logical name for device	Not defined	If no name is entered, it will mention the full name of the device
Event type	Event type	Dependent on the event type	1- Error 2- Rule 3- Audit trail Parameter 4- Audit trail Calibration 5- Power
Event number description	Description event number	Dependent on the event number	• For errors see table 3 • For rules see table 2 • Audit trail numbers are also possible to be seen in the indicator parameter settings 70 and 71. They change whenever a parameter has been changed or a new calibration has been performed • Power on and power down are mentioned.
Number	Number of the Error/Rule/Audit Trail/Power on-down	Dependent on the event type	• For errors see table 2 • For rules see table 3 • For audit trail numbers see indicator parameter settings 70 and 71. • Power on = [1] and power down = [0]
Weight (kg)	Registered weight at this event	xxxxx	• Weight is given in selected units (e.g. kg)
Moment (%)	Registered moment force at this event	xxx	• Moment force is given in percentage [%]
Height switch	Status of the height switch at this event	high low	• If the connection of the height sensor is broken it will always give [high]
Segment	Status of the approximate load centre point at this event	Dependent on the position of the weight	• 1 / 2 / 3 • If the weight was under the threshold, the LCP is not active and the read out will be 0.

Table 1 – Logging data

Rules parameters			
Rule	Function	Default	Remark
1	green led 1/buzzer/backlight	-10/off/off/green/off/off	By default not activated
2	green led 2/buzzer/backlight	20/off/off/green/off/off	By default not activated
3	green led 3/buzzer/backlight	40/off/off/green/off/off	By default not activated
4	green led 4/buzzer/backlight	60/off/off/green/off/off	By default not activated
5	yellow led 1/buzzer/backlight	85/off/off/green/off/off	By default not activated
6	yellow led 2/buzzer/backlight	100/off/off/green/off/off	By default not activated
7	red led 1/buzzer/backlight	110/on/on/red/off/off	By default not activated
8	red led 2/buzzer/backlight	120/on/on/red/on/on	Activated and logged
9	Activation buzzer/backlight	95/off/off/green/off/off	By default not activated
10	Activation buzzer/backlight	110/on/on/red/on/on	Activated and logged
11	Activation buzzer/backlight	125/on/on/red/on/on	Activated and logged

Table 2 - Rules

Error message	Logging number	Meaning	Action
Err01	1	Input signal unstable Err01 (oil pressure)	Service call
Err04	4	Manual zeroing outside range Err04 (oil pressure)	Press CE-key. Try removing the weight from the forks before using the zero key. If there is no weight on the scale contact your service dealer
Err06	6	AD signal too high Err06 (of oil pressure sensor)	Service call
Err11	11	Input signal unstable Err11 (moment sensor)	Service call
Err13	13	Zero tracking out of range	Check P049 of moment settings Service call
Err14	14	Manual zeroing out of range Err14 (moment sensor)	Press CE-key. Try removing the weight from the forks before using the zero key. If there is no weight on the scale contact your service dealer
Err15	15	Compensated zero out of range	Increase P019 and/or P020 or perform a new zero calibration
Err16	16	AD signal too high Err16 (of moment sensor)	Service call
OiLPr	90	Connection error of the oil pressure sensor	Service call
tLtSE	91	Connection error of the moment sensor	Service call
----- *2	92	Underload	Lift the forks from the ground
OLOAD*1	93	Overload on maximum weight	Remove the weight from the forks
dLOAD	94	Dynamic overload	Reduce weight on the forks or omit impacts
OLOAD*1	95	Overload on maximum moment	Remove the weight from the forks or replace the weight more to the vertical part of the forks
OLOAD*1	96	Overload on maximum weight and moment	Remove the weight from the forks
Err99	99	Using the zero key while in switched units mode	Wait for error message to disappear automatically

Table 3 – Errors

*1: This situation will also occur when the mast is lifted to the maximum height and the overflow valve is being activated. Lowering the mast a little should be sufficient to cancel the error message.

*2: If the height sensor cable is broken, the RAVAS SafeLoad will always presume that the forks are in the second mast stage. In the lowest mast position you are most likely to see the underload error [-----] with no load on the forks even if the forks are raised from the floor.

Lifting a weight in the lowest position will in this case generate the wrong weight indication on the display. It is advised to call for service to prevent wrong interpretations.

Erasing the log file memory of the RAVAS SafeLoad.

Make sure a connection is made with the device you want to clear. See previous chapter.
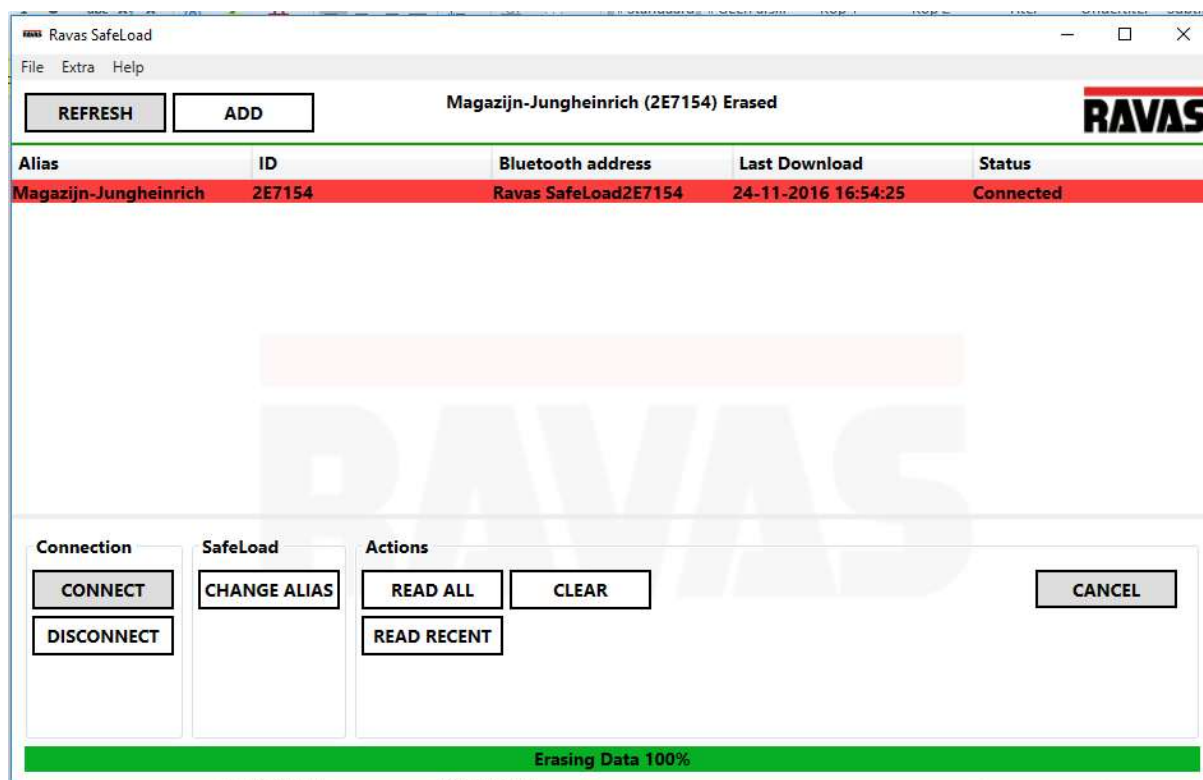
Click the button [CLEAR] and enter the administrators password.
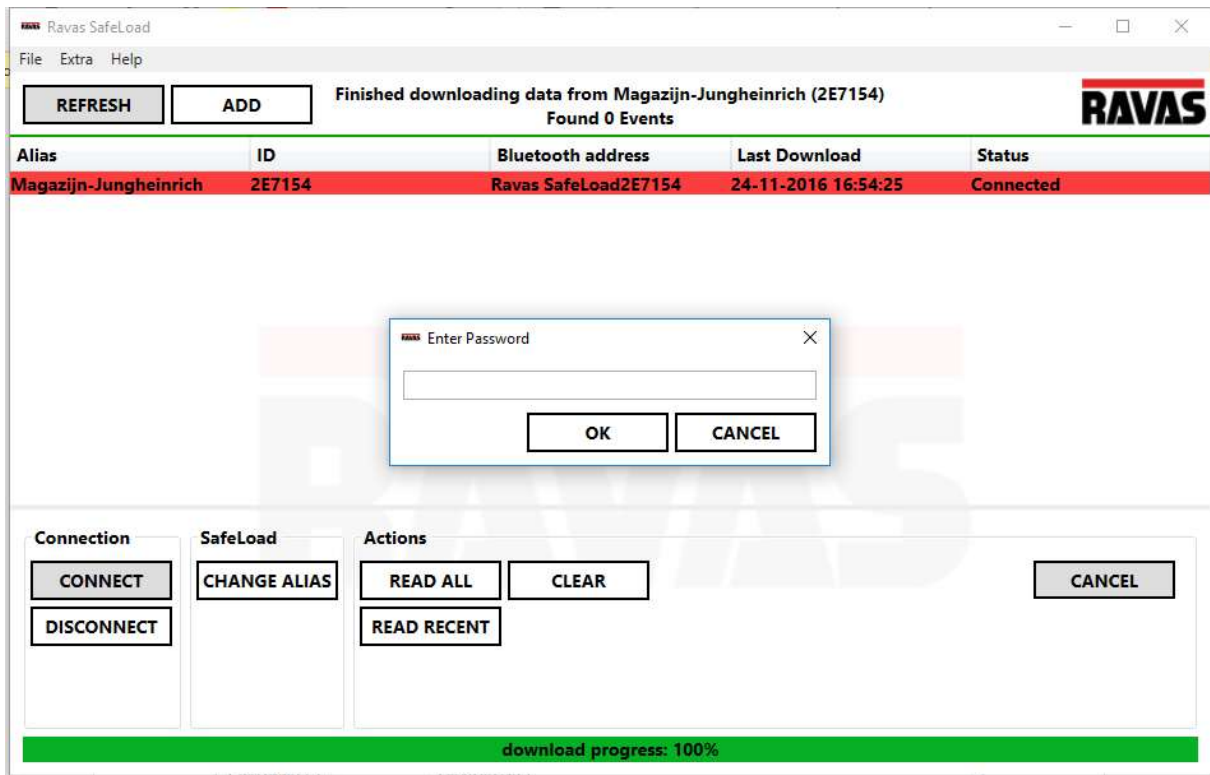
After entering the proper password you are asked whether you are sure to erase the data from this RAVAS SafeLoad. Please be aware that once confirmed there is no way back and all data will be lost!
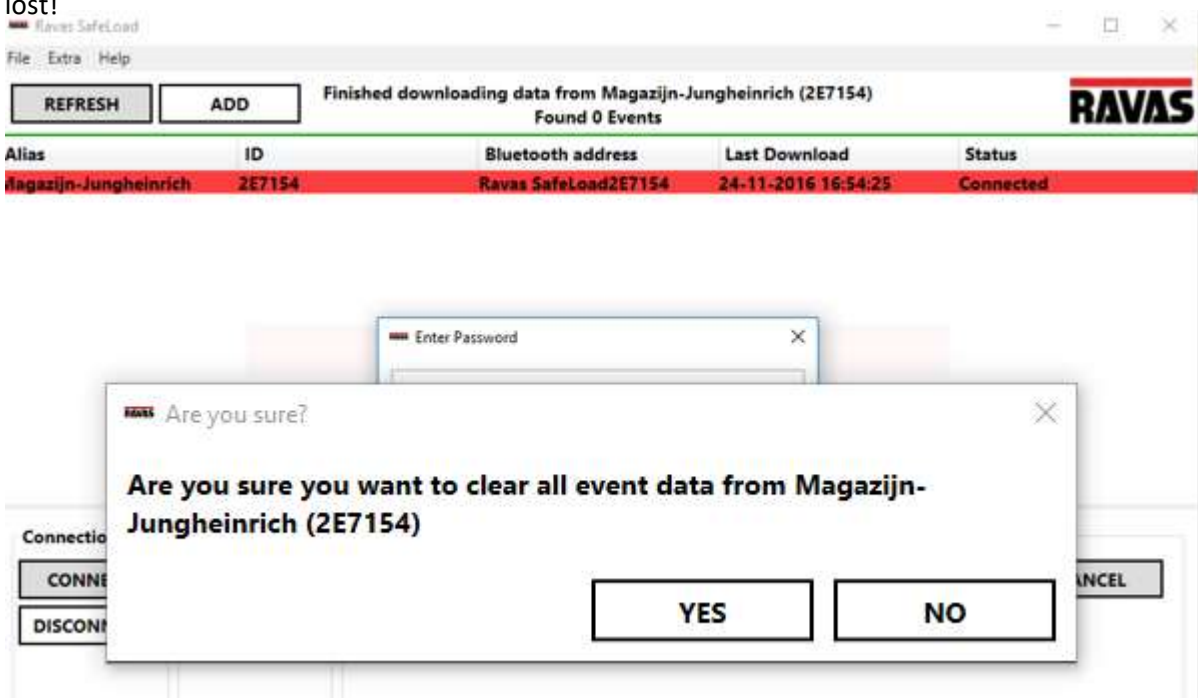
All data is erased from the device. The progress of this process is shown in the bottom bar.

After the data has been erased the connection can be dropped.

Deleting a RAVAS SafeLoad unit from the list

Deleting no longer used RAVAS SafeLoad devices from the list, needs to be done using the Windows wireless manager. Read the Windows HELP for removal of wireless connected devices.

Once the RAVAS SafeLoad has been removed via the Windows wireless manager you will be able to remove it from the list in the RAVAS SafeLoad manager application. Click on the device in the list which needs to be removed and press the [Delete] key on your keypad.