

The logo for stackView features the text "stackView" in a bold, italicized, sans-serif font. "stack" is in teal, and "View" is in a light green color. A registered trademark symbol (®) is located at the end of the word "View".

## Guide

Congratulations with your new StackView® temperature monitoring system.

You have purchased a quality product that can contribute to your operation for many years and seasons. If you have problems, we are always ready with support and in addition we are happy to hear about experience and input to new features.






Place StackView® where you want to measure the temperature. The temperature sensor is located at the tip of the spear.

StackView® are already started and ready to use. There must be adequate mobile coverage where StackView® is located.

Your PC, tablet, or smartphone, where you sign in to StackView® must be connected to the Internet.

This guide first contains the "Quick Launch" section. Then a section for setup and finally how to transfer data to Excel spreadsheet.

## Content

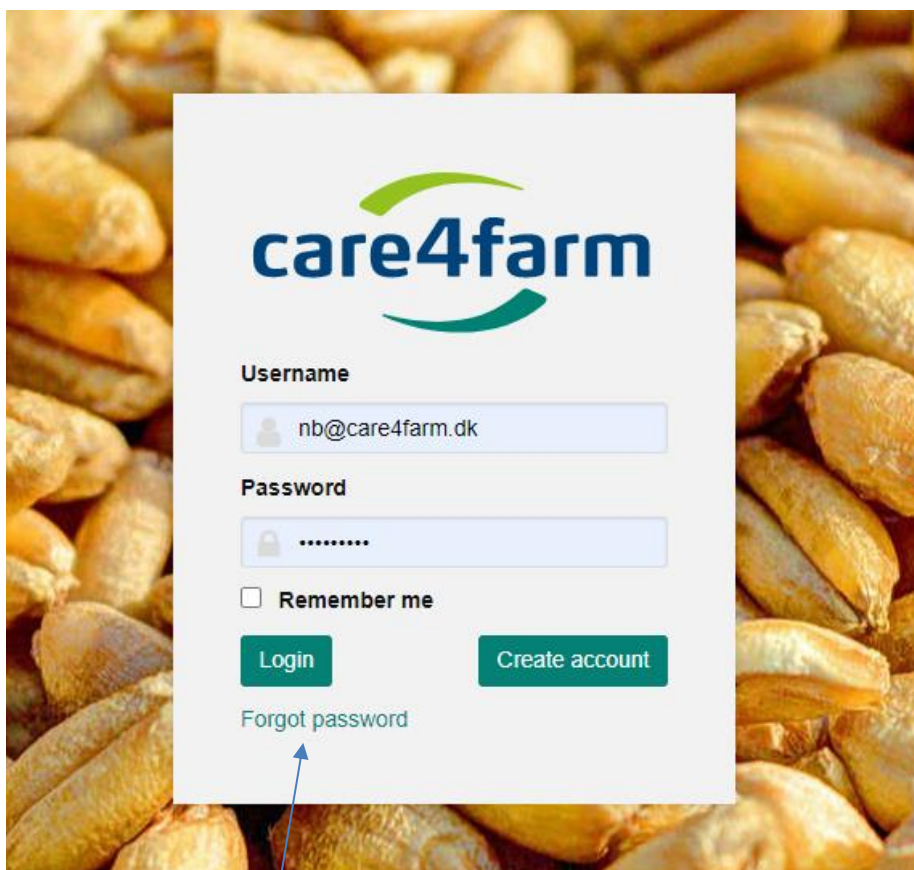
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## 1. Quick start - Creating a shortcut on PC, lap-top and smartphone

Keep in mind that you are not using the Internet Explorer browser. All other browsers including Google Chrome will run your StackView website perfectly.

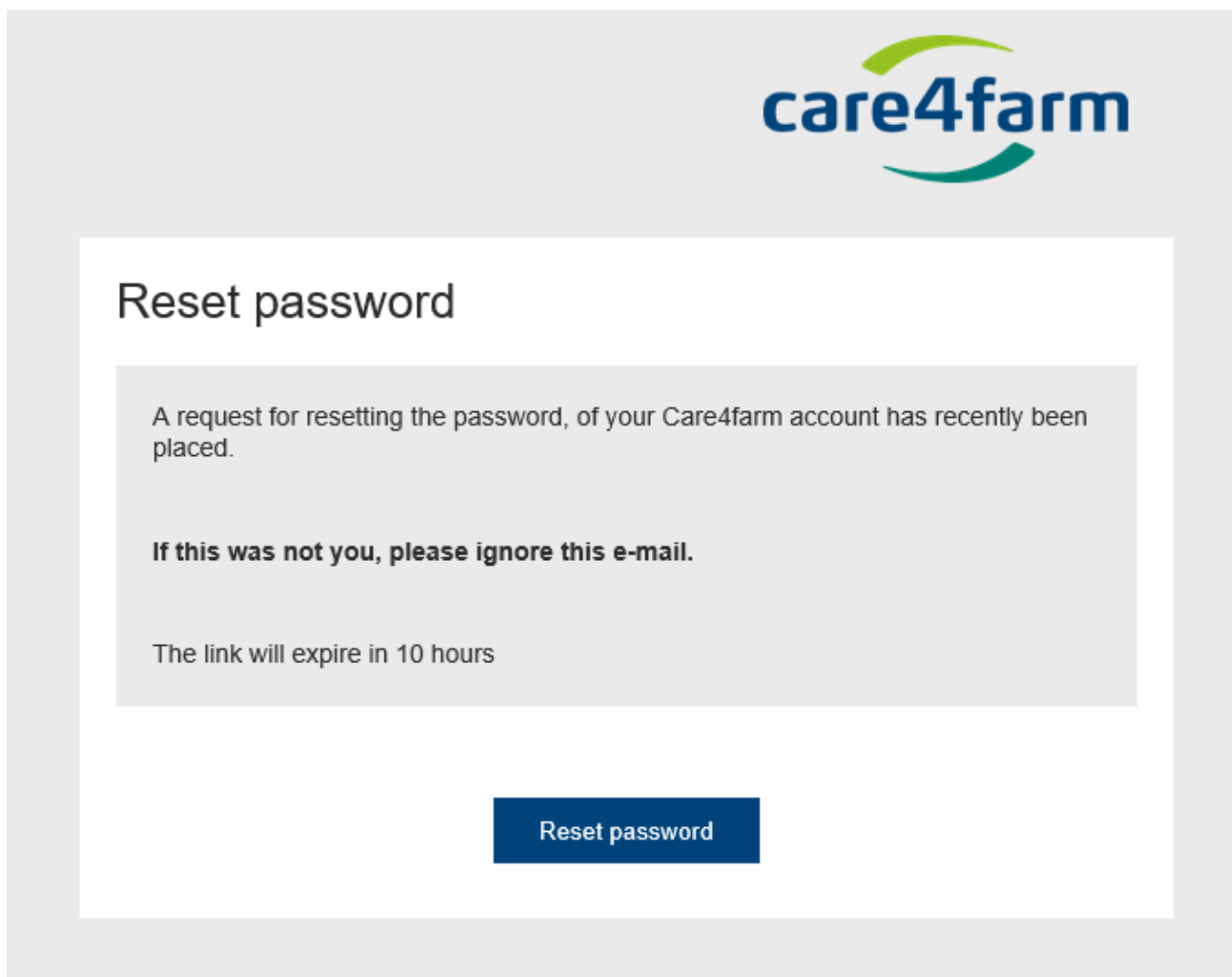
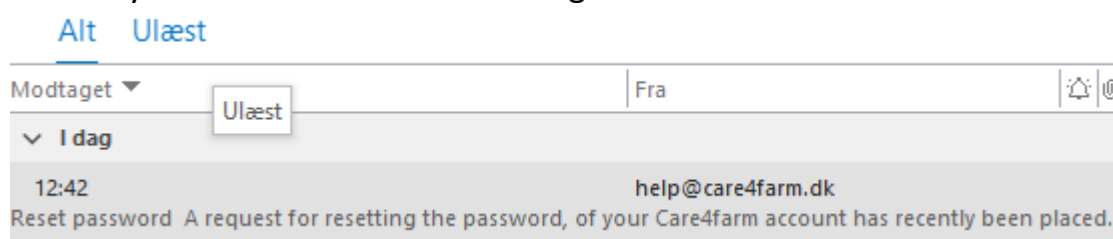
## 2. Login.

<https://login.care4farm.dk>



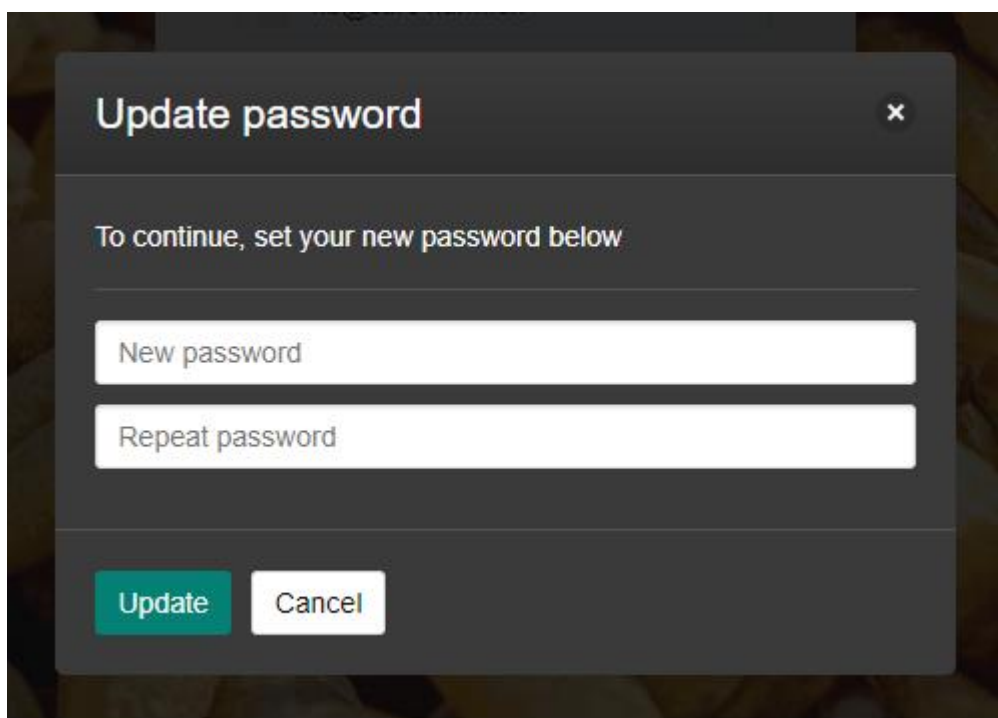
On your first login, press "forgot password" and type the email address your account was created at. You will then receive an email in your mailbox. Username: your email address  
Tap "Forgot Password"

Look in your mailbox for the following email:



Tap the "Reset password" link.

The following screenshot is then shown:



Click the link in the email where you will be prompted to renew your password. Sign in with your email address as your username and new password.

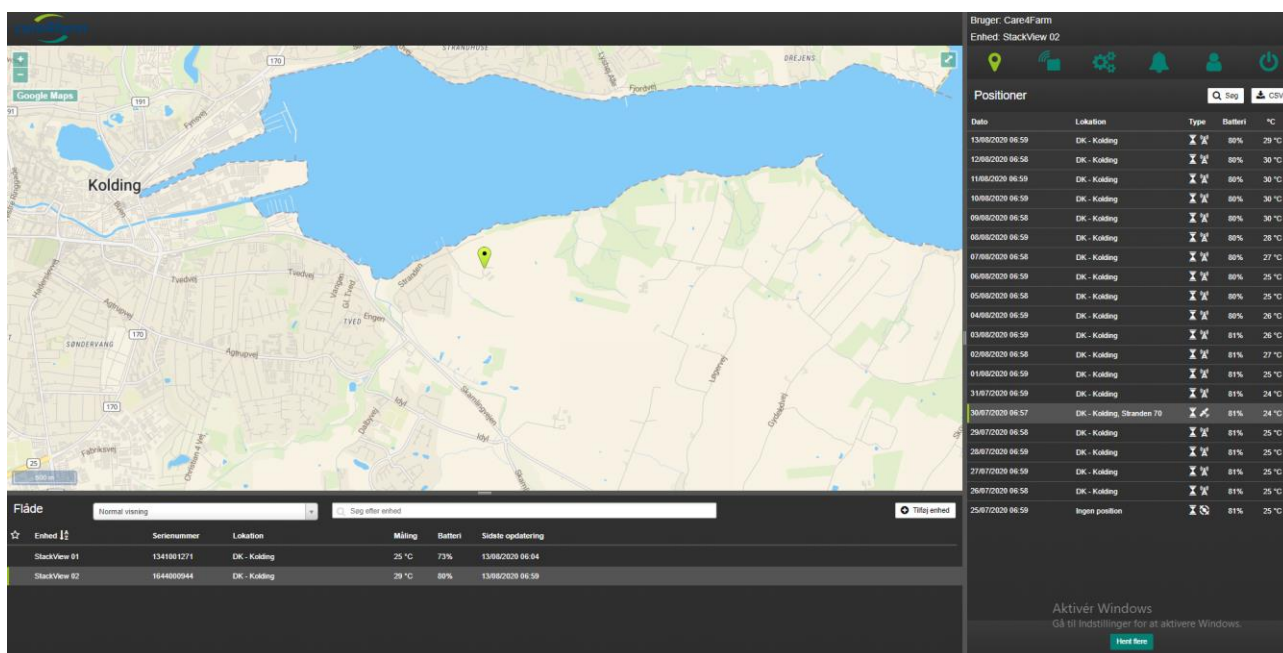
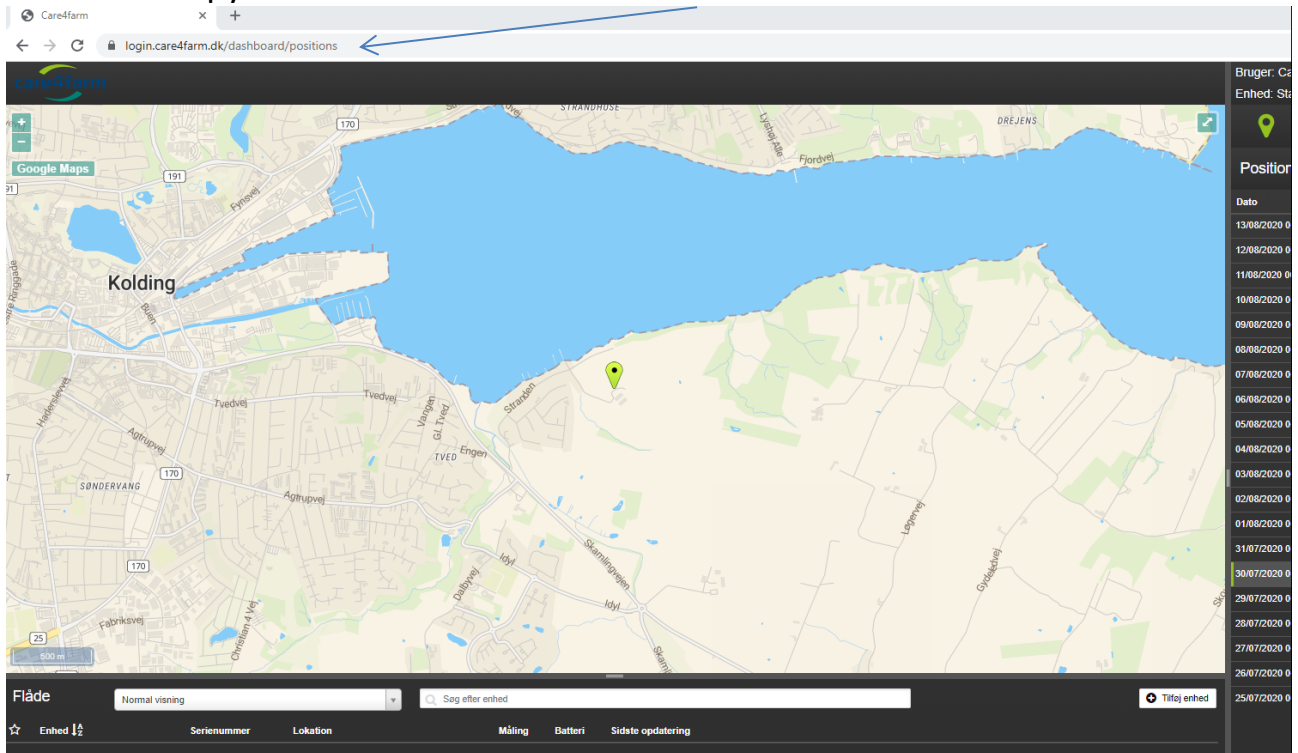


Fig. 1

A screen appears as above.

## a. Creating Shortcut - Windows

Select and copy the address bar in the browser



Place the mouse on the "desktop" and right-click

Tap "new"

Tap "new shortcut"

Place the mouse in the empty box and right-click with the mouse

Tap Set

Press Next

Call the shortcut: StackView

Tap finish

Now an icon titled StackView appears on your PC tabletop. desktop.

### b. Creating Shortcut - Mac - PC

If your PC is from Apple, do the following to create a desktop shortcut:

If your PC is from Apple, do the following to establish a desktop shortcut:

Tap

+ Archive tab

Archives as

Desktop

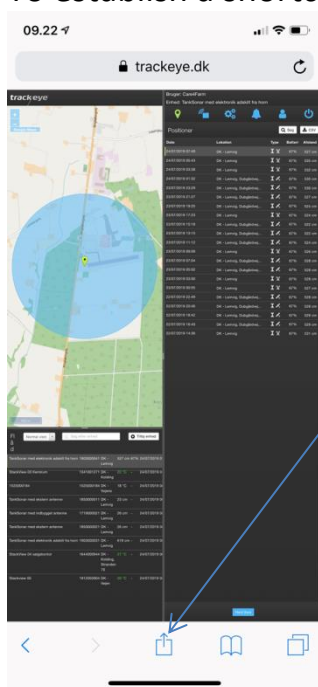
Save

### c. Home screen shortcut/button - Smartphone

Open the browser and type login.care4farm.dk and then username and password.

Below the screen appears.

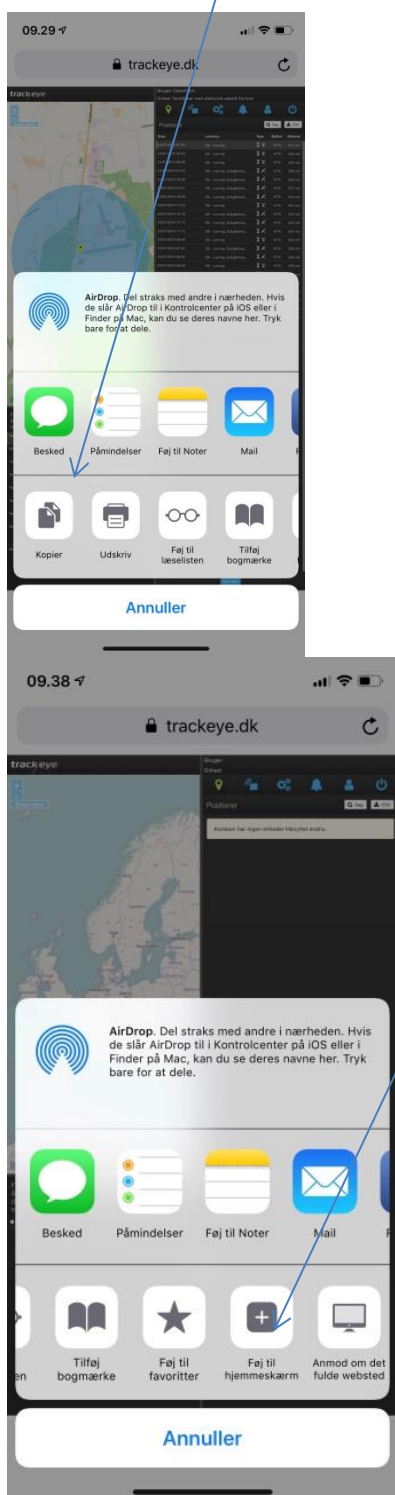
To establish a shortcut on smartphone tap





The next screen is as below.

Scroll horizontally or vertically on the bottom bar until "Add to home screen", and tap.

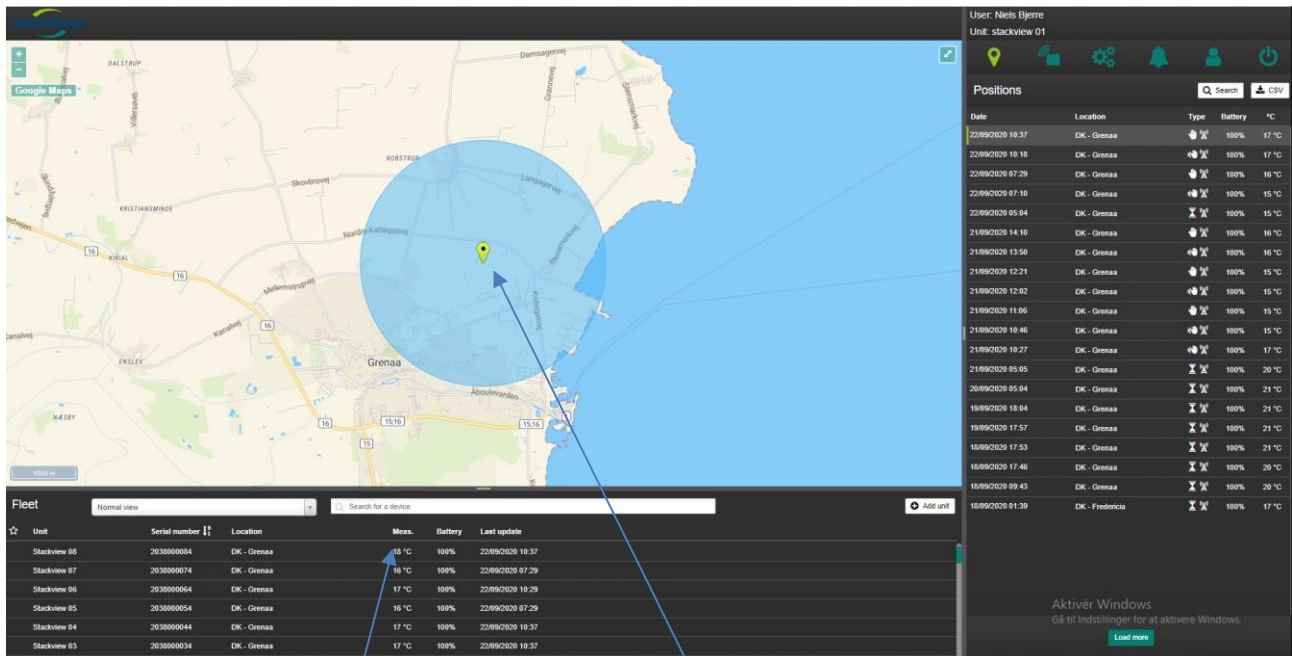


click on add.



### 3. Opening Program

Open the program by clicking the shortcut and the following screen appears



At the top left there is a map showing the location of the first StackView® probes. To see where probe No 2 is located, click StackView® 2 in the row below the map, etc. for the other skewers.. Please note that if the spear is indoors it may not be able to display the correct location.

The column "Measurement " shows the most recent temperature. If the temperature is green, the temperature is between minimum and maximum temperature. If the number is red, the temperature is above maksimum and if the number is blue, the temperature is below the minimum. If the number is white, no alarm is set.

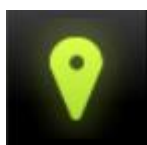
The approximately 15 most recent temperatures appears in the columns under Positions to the right of the screen.

To see older temperature measurements, tap "Load more"

#### 4. Use the StackView menu®

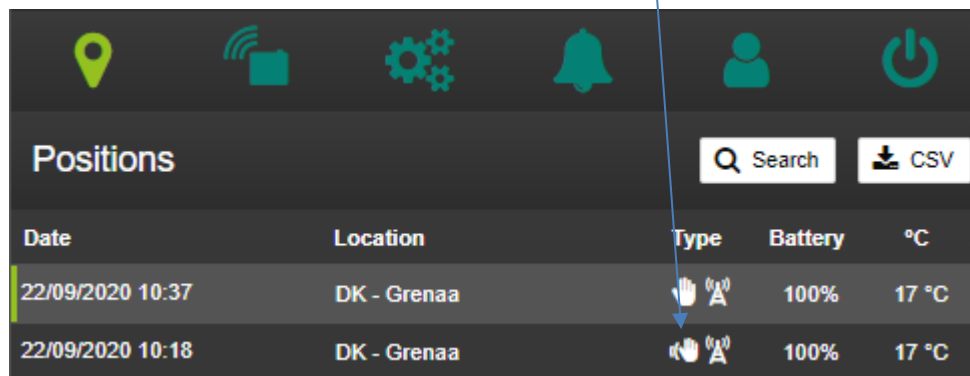
Via the wivies at the top right, the setup or alarms are created or created for the spear under the map that you have pressed and which is shown by a green-yellow strip outered to the left of the line.



The first button at the top right shows historic temperatures. Via the other buttons change the setup of StackView®



#### Positions

Displays a StackView® temperature historically and the probes position. Under the "Type" column, you can see if the probe has been touched or moved if the G-sensor (motion sensor) is turned on. The hand moving is where the probe has been moved and the quiet hand is an automatic temperature measurement 15 minutes later. More about this is under the settings section.



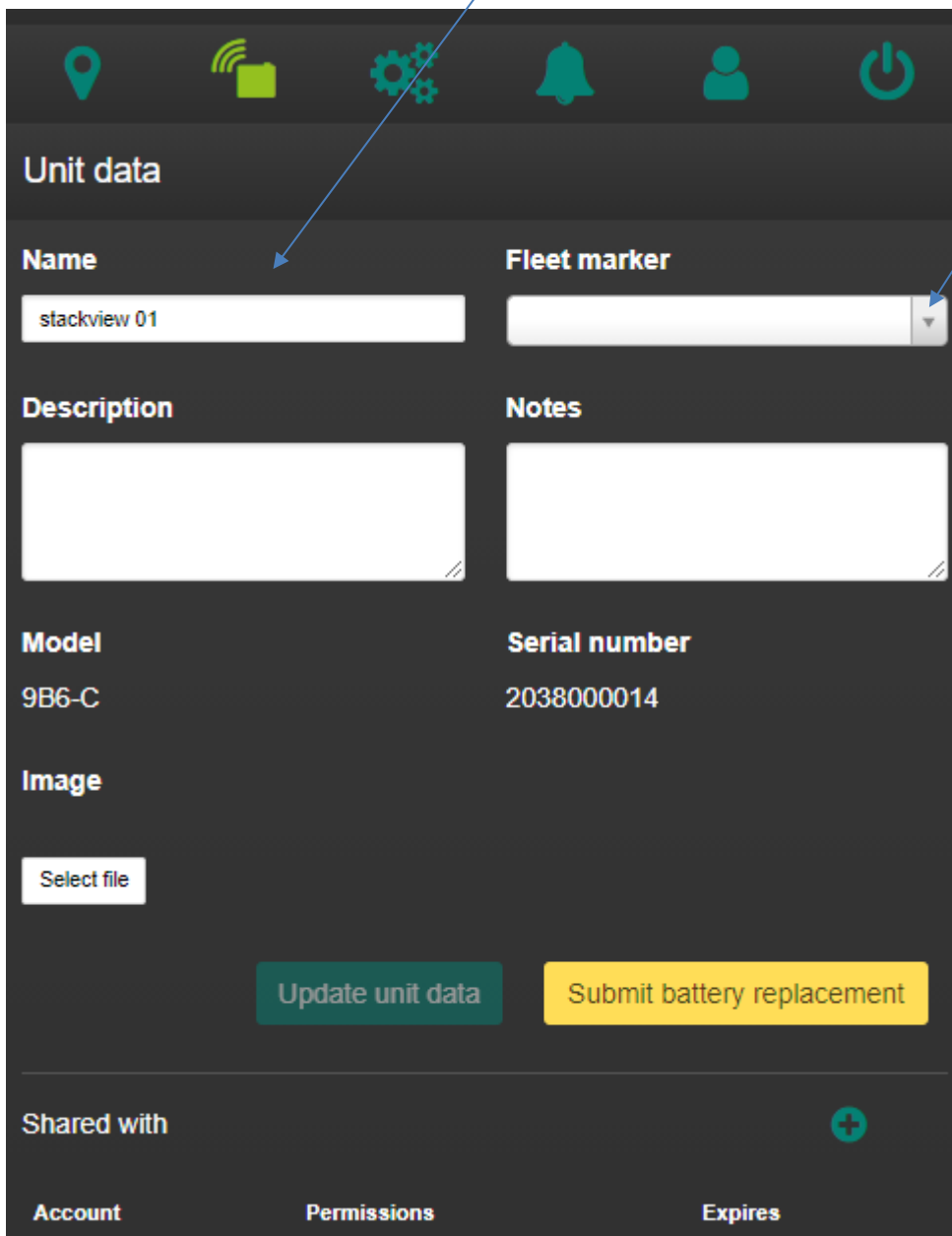
Date	Location	Type	Battery	°C
22/09/2020 10:37	DK - Grenaa		100%	17 °C
22/09/2020 10:18	DK - Grenaa		100%	17 °C



### Unit data

In this menu the name of StackView is changed or added, probe no, hall and/or crop Etc.

Fleet marker is used if you want to see all or a group of spears simultaneously on the map. Multiple fleet markers can be selected.

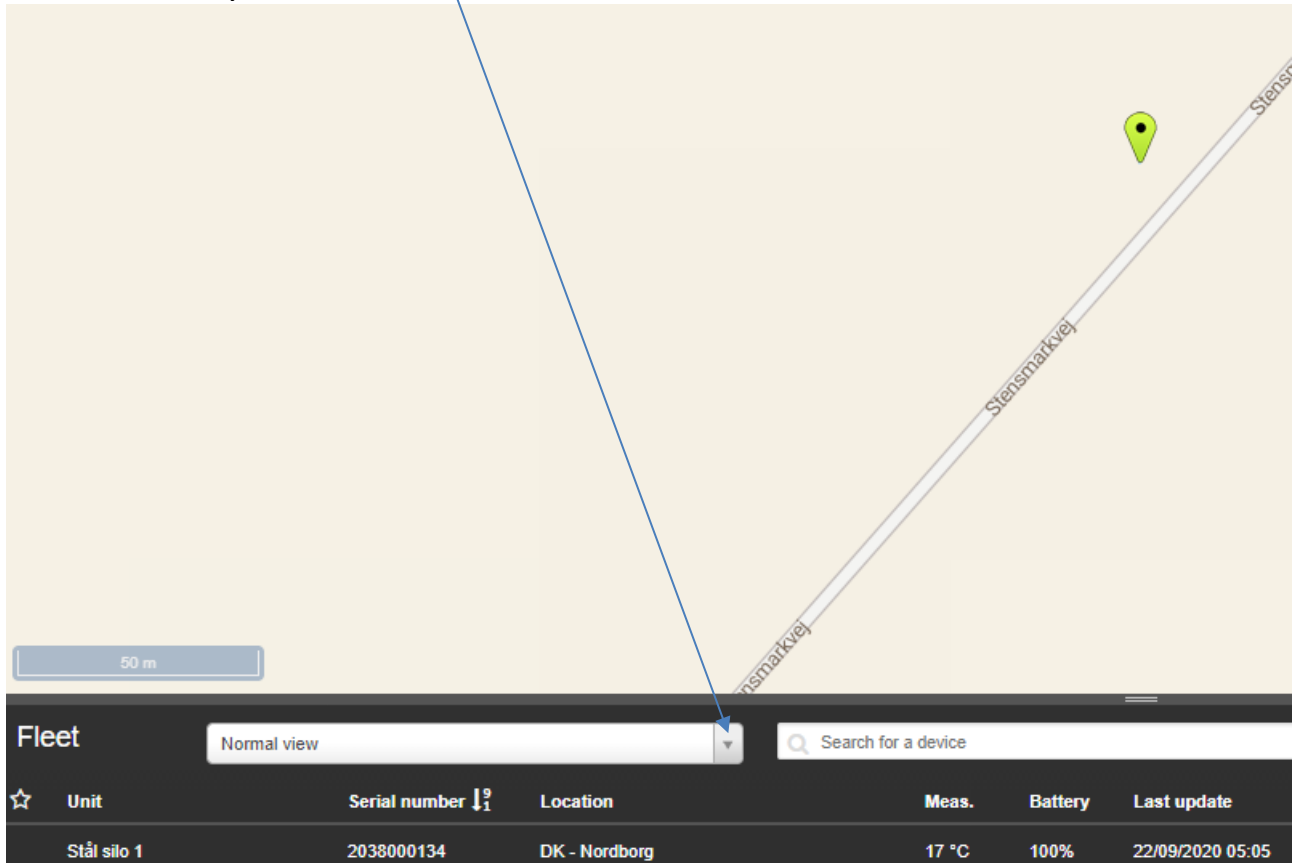


The screenshot shows the 'Unit data' form with the following fields and controls:

- Name:** A text input field containing 'stackview 01'. A blue arrow points to this field from the text above.
- Fleet marker:** A dropdown menu. A blue arrow points to this field from the text above.
- Description:** A large empty text area.
- Notes:** A large empty text area.
- Model:** A text field containing '9B6-C'.
- Serial number:** A text field containing '2038000014'.
- Image:** A 'Select file' button.
- Update unit data:** A green button.
- Submit battery replacement:** A yellow button.
- Shared with:** A section with a plus icon and a table below it.

Account	Permissions	Expires
---------	-------------	---------

At the arrow by Normal view



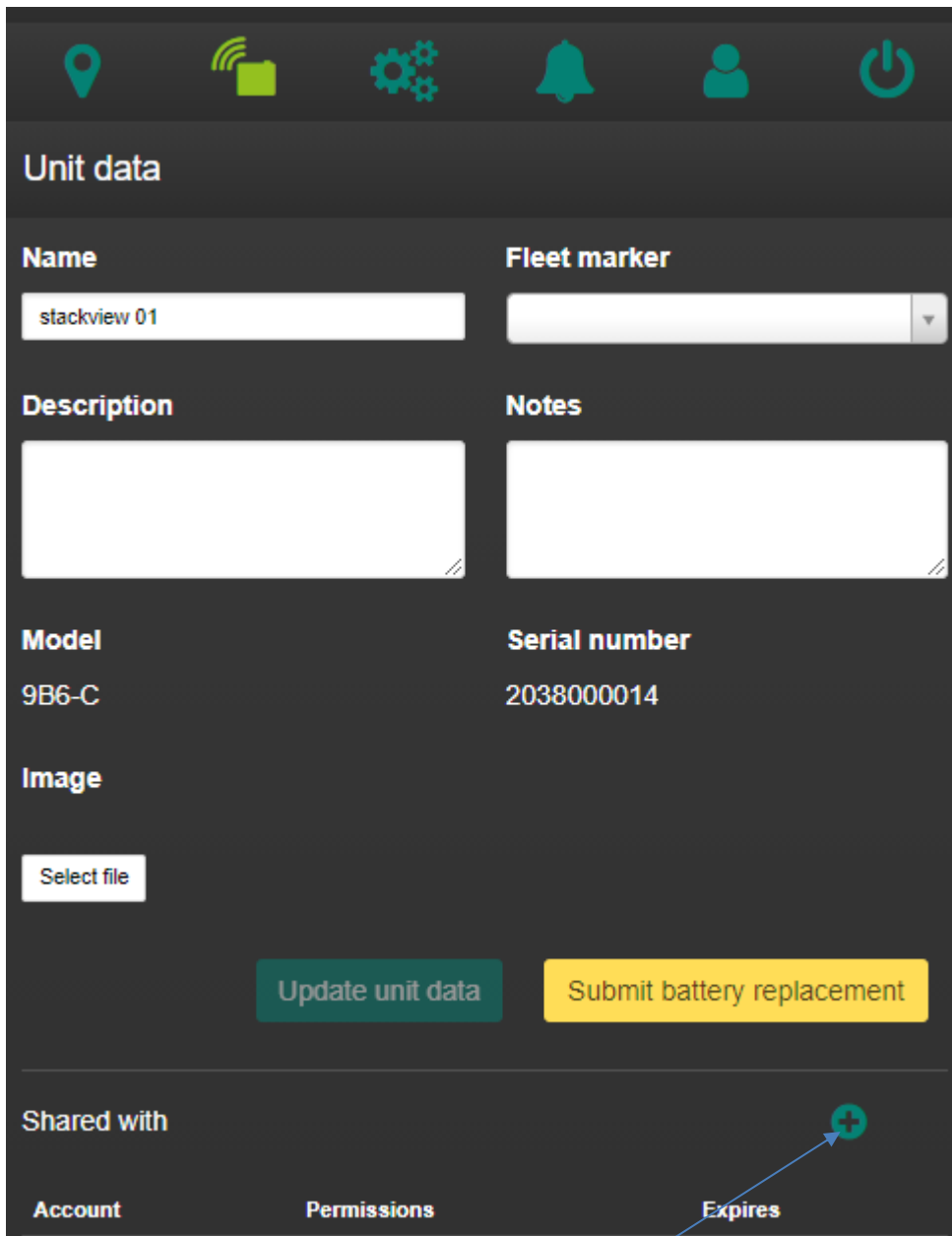
The screenshot shows a map interface with a yellow location pin and a road labeled 'Stensmarkvej'. A scale bar indicates 50 m. Below the map is a 'Fleet' section with a dropdown menu set to 'Normal view' and a search bar. Below the search bar is a table with the following data:

☆	Unit	Serial number ↓↑	Location	Meas.	Battery	Last update
	Stål silo 1	2038000134	DK - Nordborg	17 °C	100%	22/09/2020 05:05

you can choose at selected fleet marker and you can see all StackView® probes with The same marker



At the Unite data page you are also able to lend your StackView system to another user.



**Unit data**

**Name**  
stackview 01

**Fleet marker**

**Description**

**Notes**

**Model**  
9B6-C

**Serial number**  
2038000014

**Image**  
Select file

Update unit data      Submit battery replacement

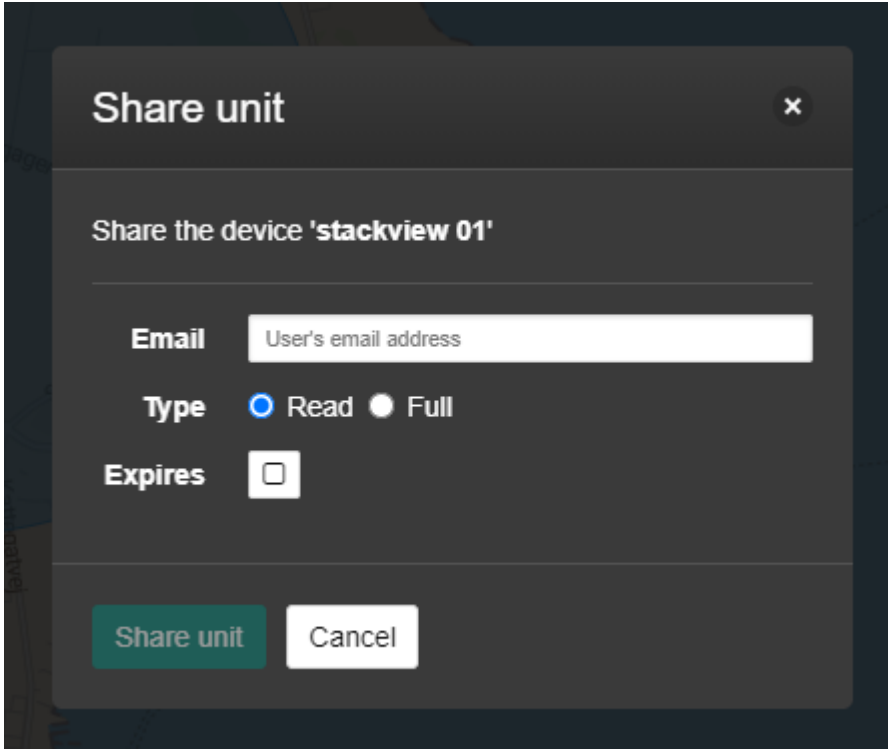
**Shared with** +

Account	Permissions	Expires
---------	-------------	---------

By clicking the “Shared with” button you create an account for another user containing one or more probes of yours.



You type the users email address and decide whether she or he only shall be able to read or have full asses to change settings. Further you can insert an expire date for the lend out period.



Share unit

Share the device 'stackview 01'

Email

Type  Read  Full

Expires

Share unit Cancel



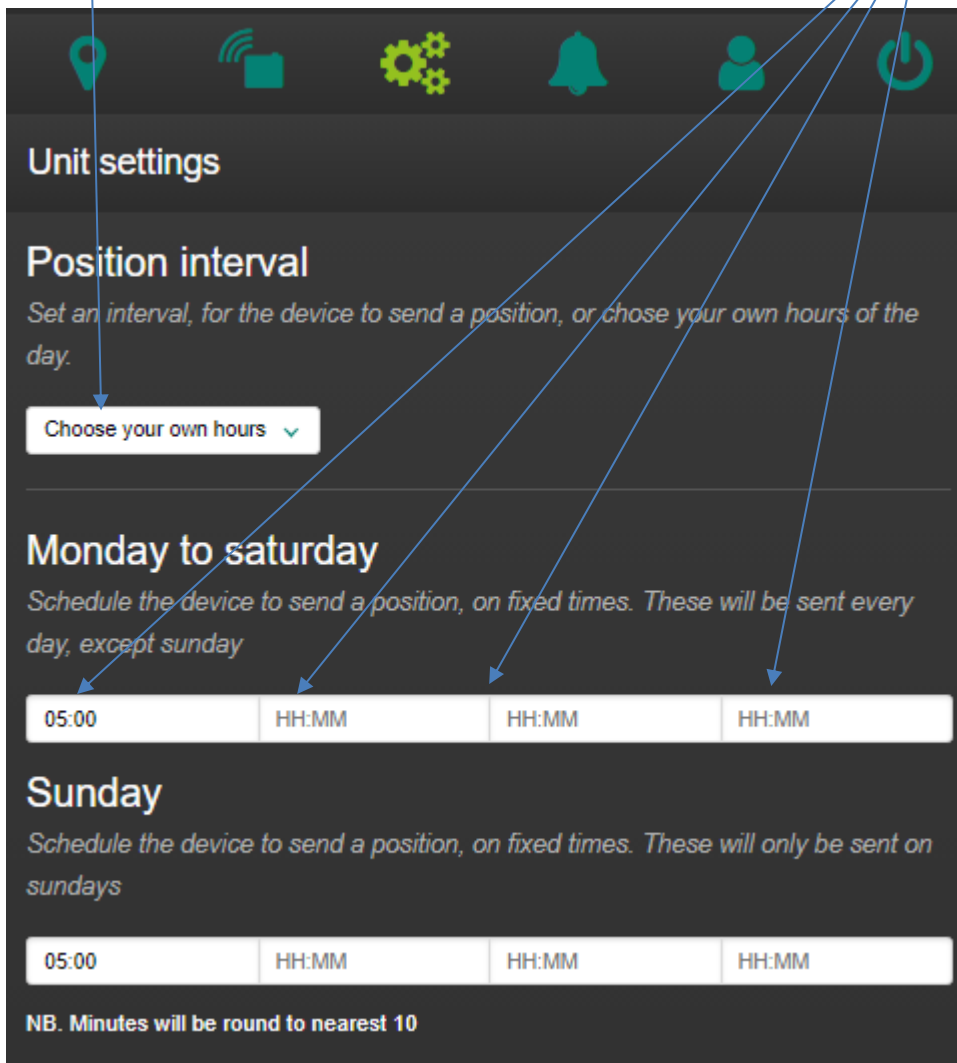
### Unit settings

Under the gear you set-up:

- when and how often the temperature should be measured.
- G-sensor activation (motion sensor)
- Activating GPS

## When and how often the temperature is measured

To even choose when StackView® the skewers measuring the temperature select "own times" and enter it/the same time(is) for all skewers you want to measure the temperature simultaneously. The times are written in ascending order over the clock starting from left to right.



**Unit settings**

**Position interval**  
Set an interval, for the device to send a position, or chose your own hours of the day.

Choose your own hours ▾

**Monday to saturday**  
Schedule the device to send a position, on fixed times. These will be sent every day, except sunday

05:00	HH:MM	HH:MM	HH:MM
-------	-------	-------	-------

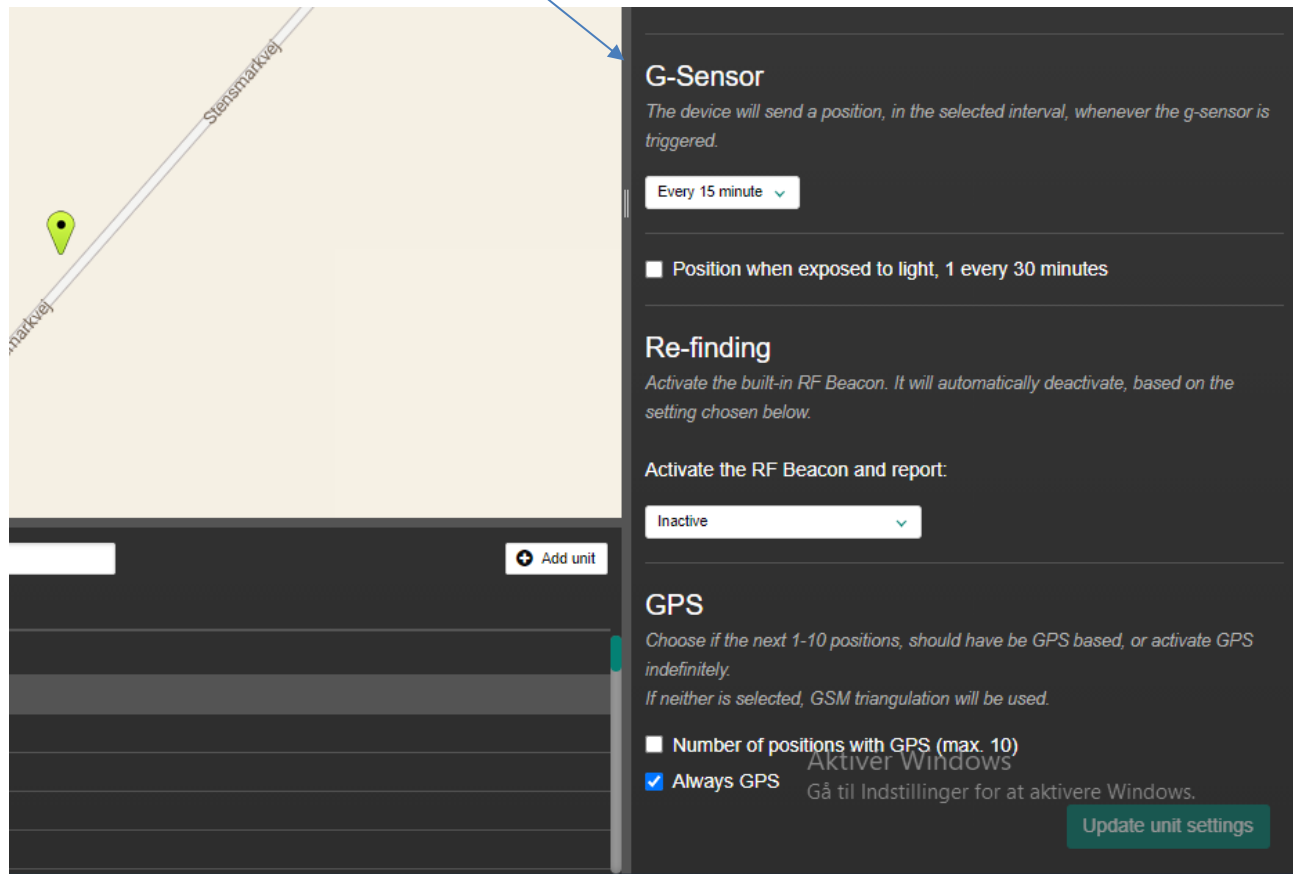
**Sunday**  
Schedule the device to send a position, on fixed times. These will only be sent on sundays

05:00	HH:MM	HH:MM	HH:MM
-------	-------	-------	-------

NB. Minutes will be round to nearest 10

## G-sensor

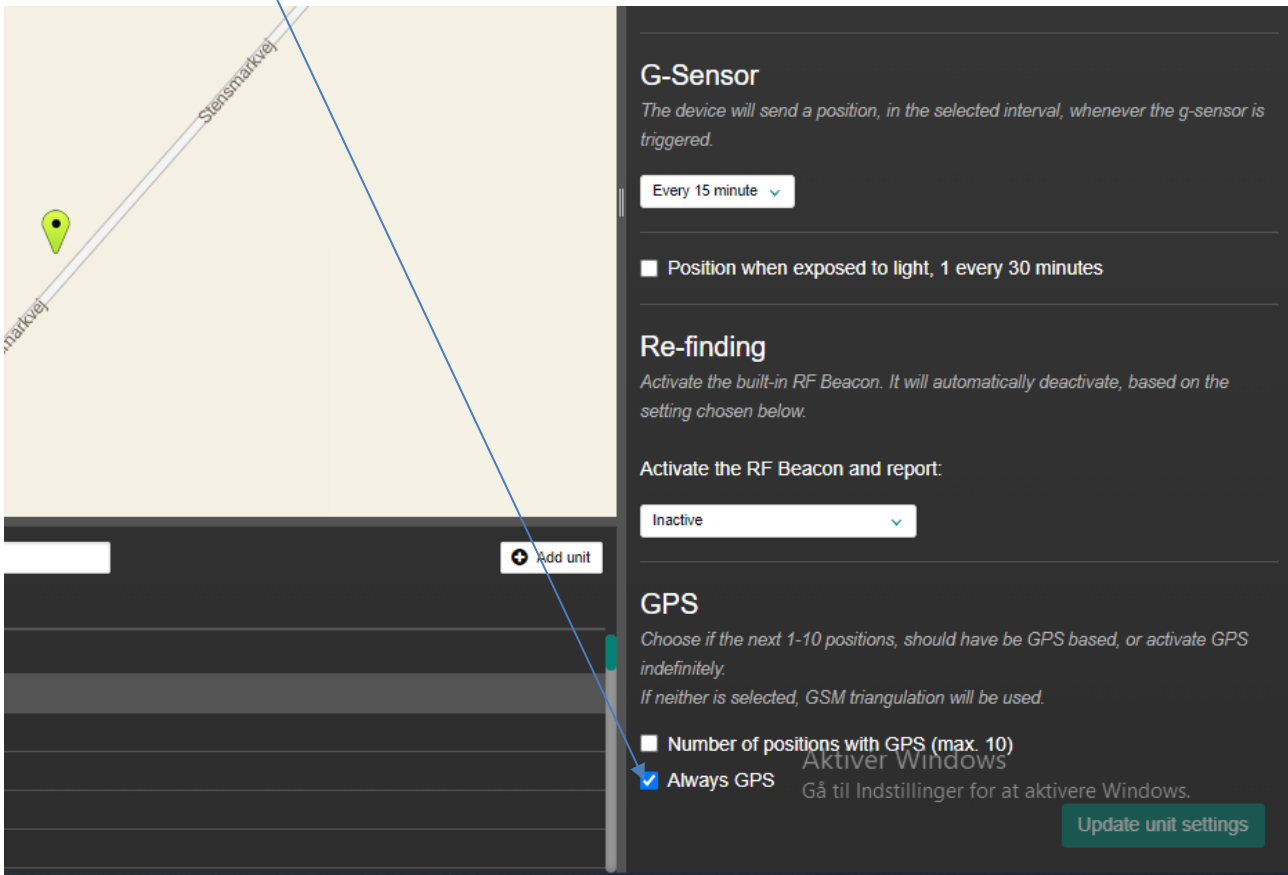
If you activate the G-sensor, the StackView probe measures the temperature immediately when you move it and automatically again 15 minutes, 30 minutes, 1-, 2-, or 3 hours later of your choice. This way you can use the StackView probe to take several samples un-depended preset times.



At the user interface you can monitor when the StackView® probe is moved and what the temperature was. See section Positions.

## GPS.

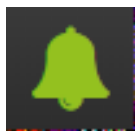
You can choose whether the GPS should be off or on with a check mark. If the GPS is turned off or the device cannot connect to satellites due to ex. roof, the position is displayed with a ring around and the position is usually inadequate. This is because the unit is positioned by the GSM-masts. This does not affect the accuracy of the temperature measurement.



The screenshot displays the Care4Farm mobile application interface. On the left, a map shows a location marked with a green pin on a road labeled 'Stensmarkvej'. Below the map is a dark navigation bar with an 'Add unit' button. On the right, a settings panel is visible with the following sections:

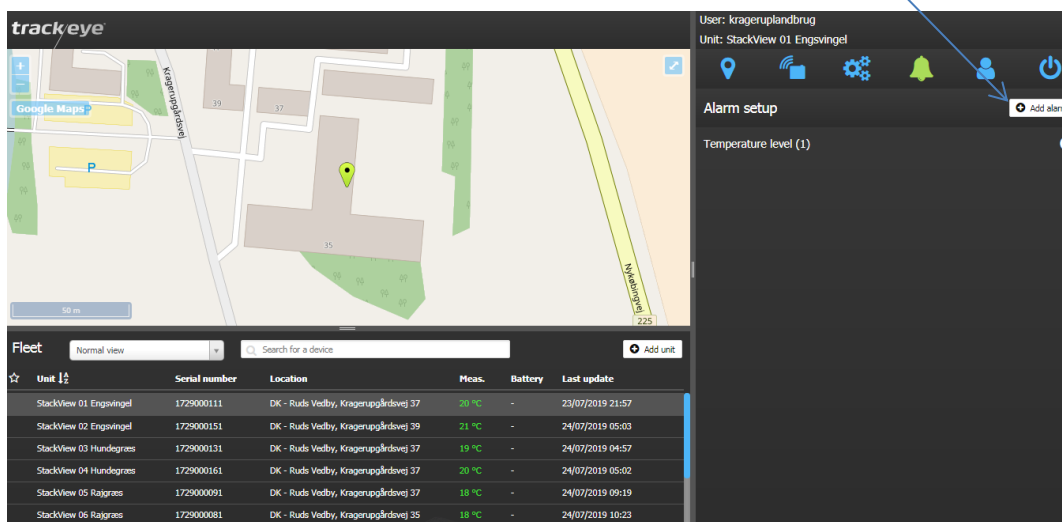
- G-Sensor**  
The device will send a position, in the selected interval, whenever the g-sensor is triggered.  
Every 15 minute (dropdown menu)
- Position when exposed to light, 1 every 30 minutes
- Re-finding**  
Activate the built-in RF Beacon. It will automatically deactivate, based on the setting chosen below.  
Activate the RF Beacon and report:  
Inactive (dropdown menu)
- GPS**  
Choose if the next 1-10 positions, should have be GPS based, or activate GPS indefinitely.  
If neither is selected, GSM triangulation will be used.  
 Number of positions with GPS (max. 10)  
 Always GPS

At the bottom right of the settings panel, there is a green button labeled 'Update unit settings'. A blue arrow points from the 'Always GPS' option to the text 'GPS.' at the top of the page.



## Alarms

StackView® setup of alarms and alarm receivers.



The screenshot shows the StackView mobile application interface. On the left, there is a map view with a yellow location pin. Below the map is a 'Fleet' table with columns for Unit, Serial number, Location, Meas., Battery, and Last update. On the right, there is an 'Alarm setup' screen for 'Temperature level (1)'. A blue arrow points from the text above to the 'Add alarm' button in the top right corner of the alarm setup screen.

Unit	Serial number	Location	Meas.	Battery	Last update
StackView 01 Engsvingel	1729000111	DK - Ruds Vedby, Kragrupplårdsvej 37	20 °C	-	23/07/2019 21:57
StackView 02 Engsvingel	1729000151	DK - Ruds Vedby, Kragrupplårdsvej 39	21 °C	-	24/07/2019 05:03
StackView 03 Hundegras	1729000131	DK - Ruds Vedby, Kragrupplårdsvej 37	19 °C	-	24/07/2019 04:57
StackView 04 Hundegras	1729000161	DK - Ruds Vedby, Kragrupplårdsvej 37	20 °C	-	24/07/2019 05:02
StackView 05 Rajgras	1729000091	DK - Ruds Vedby, Kragrupplårdsvej 37	18 °C	-	24/07/2019 09:19
StackView 06 Rajgras	1729000081	DK - Ruds Vedby, Kragrupplårdsvej 35	18 °C	-	24/07/2019 10:23

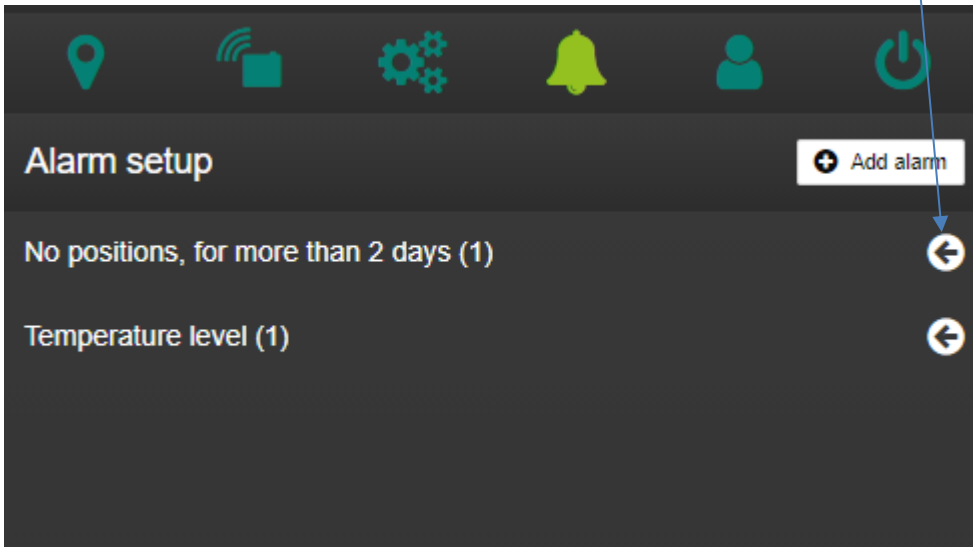
No positions for more than 2 days is an important alarm that tells you if your StackView does not transmit the temperature. Add email address(r) to be notified if your device has not sent data for more than two days.

Temperature alarm is set with minimum and maximum temperature limits. In addition, you can add an e-mail and receive e-mail if the temperature exceeds alarm limits.

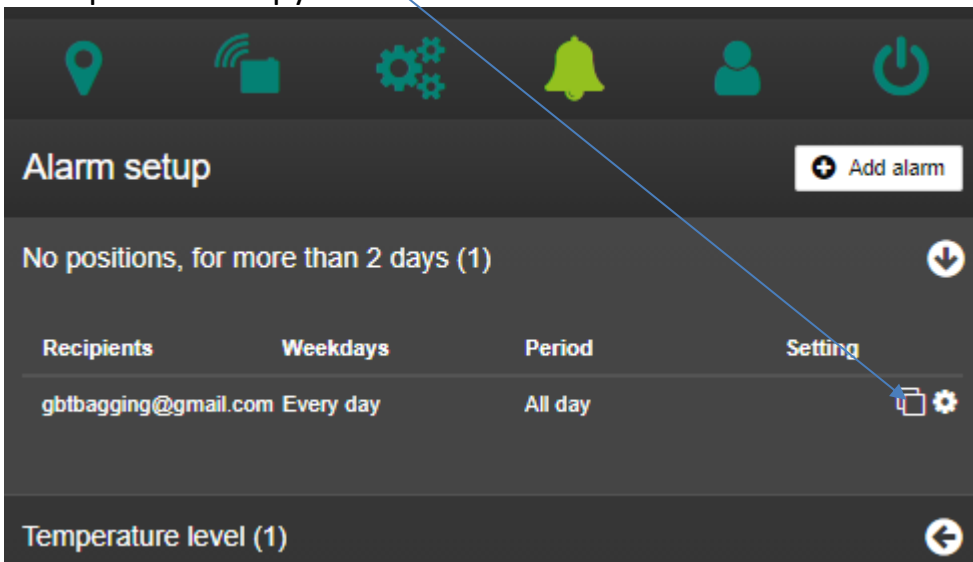
## Copying alarms to other StackView®.

Alarms can be copied from one StackView® probe to one or more of the other StackView® probes you have in your fleet.

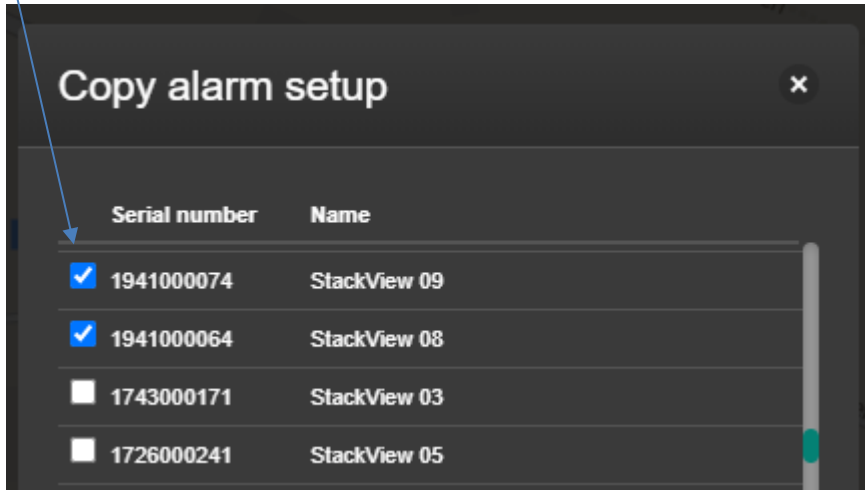
If you want to copy an alarm setup from e.g. temperature, press

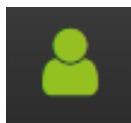


Then press the copy icon



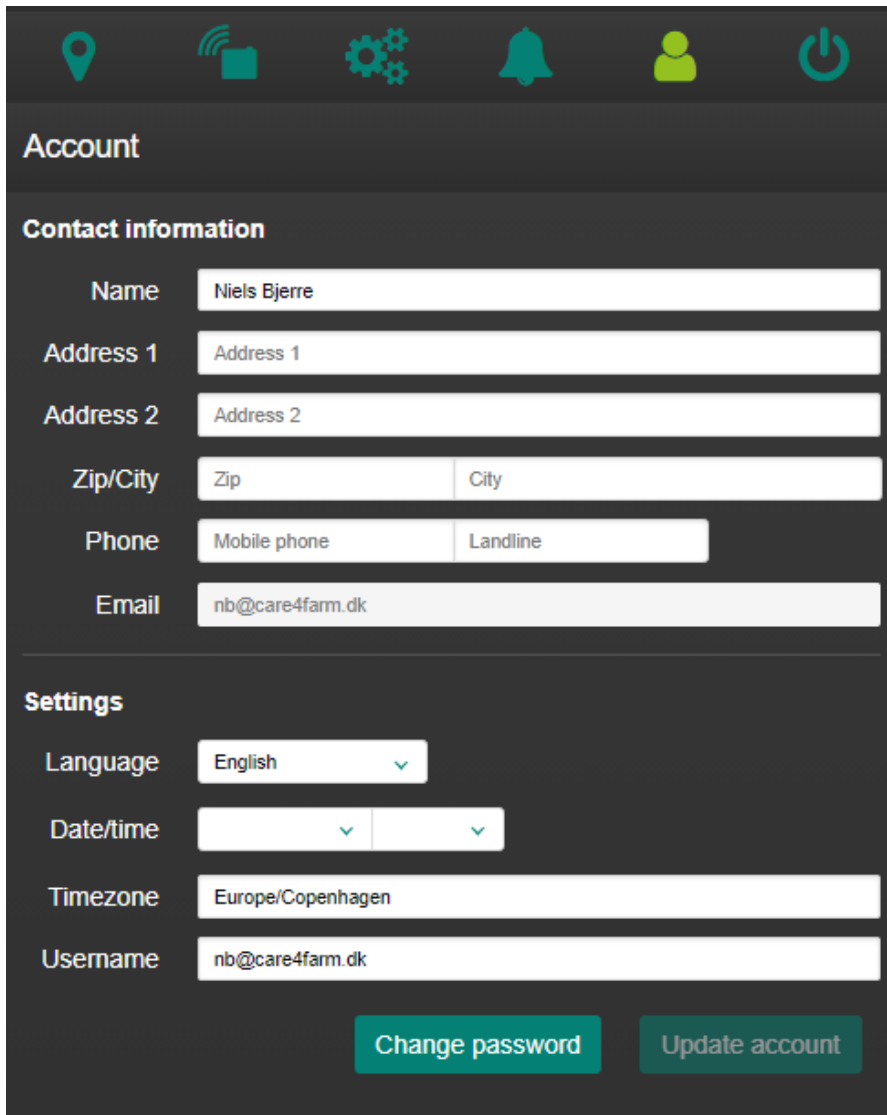
The other spears associated with your account appears and you can put "checkmarks" next to the spears which you want to have the same alarm.





## Account

Here you create the account holder and the contact data connected, as well as the username and password. In addition, the website interface can be changed to other languages and time zone.



**Account**

**Contact information**

Name

Address 1

Address 2

Zip/City

Phone

Email

**Settings**

Language

Date/time

Timezone

Username

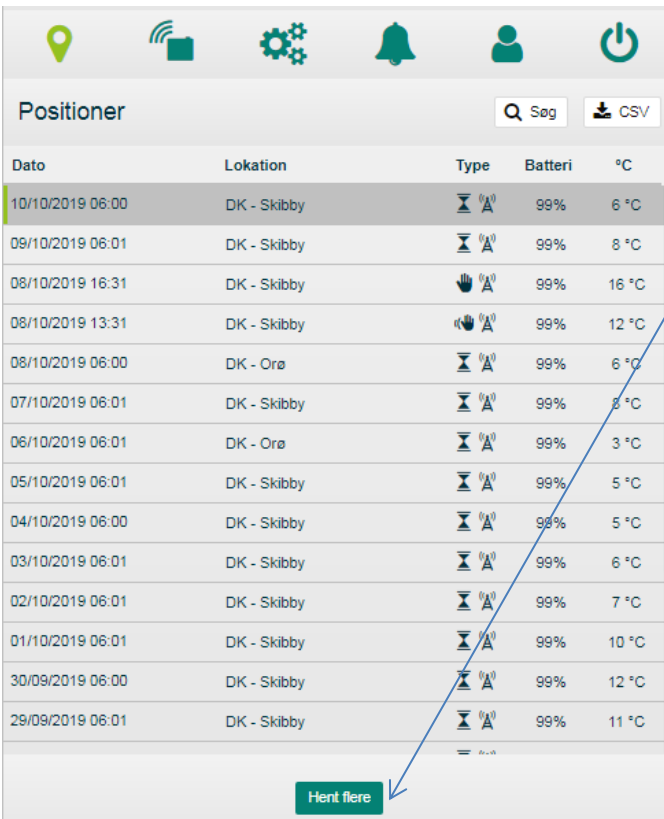






























## 5. Extracting data to Microsoft Excel.

If you want to transfer data from StackView to Excel for analysis and visualization, there are two ways to do so:

Long history.

If you want to search for a longer historical period, you can use the "Download More" button. Click the button until the start time you want is included. To see how far you are historically you can scroll down the scroll button.



Dato	Lokation	Type	Batteri	°C
10/10/2019 06:00	DK - Skibby	 	99%	6 °C
09/10/2019 06:01	DK - Skibby	 	99%	8 °C
08/10/2019 16:31	DK - Skibby	 	99%	16 °C
08/10/2019 13:31	DK - Skibby	 	99%	12 °C
08/10/2019 06:00	DK - Orø	 	99%	6 °C
07/10/2019 06:01	DK - Skibby	 	99%	8 °C
06/10/2019 06:01	DK - Orø	 	99%	3 °C
05/10/2019 06:01	DK - Skibby	 	99%	5 °C
04/10/2019 06:00	DK - Skibby	 	99%	5 °C
03/10/2019 06:01	DK - Skibby	 	99%	6 °C
02/10/2019 06:01	DK - Skibby	 	99%	7 °C
01/10/2019 06:01	DK - Skibby	 	99%	10 °C
30/09/2019 06:00	DK - Skibby	 	99%	12 °C
29/09/2019 06:01	DK - Skibby	 	99%	11 °C

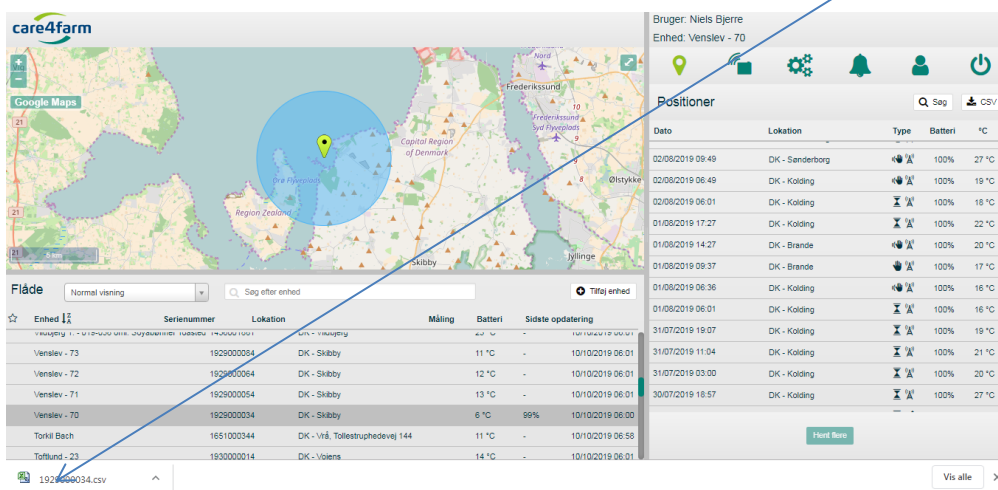
## Short history.

If you want to search for a specific period, you can use "Search" and enter the desired from - and to date. (max one week).



Dato	Lokation	Type	Batteri	°C
10/10/2019 06:00	DK - Skibby		99%	6 °C
09/10/2019 06:01	DK - Skibby		99%	8 °C
08/10/2019 16:31	DK - Skibby		99%	16 °C
08/10/2019 13:31	DK - Skibby		99%	12 °C
08/10/2019 06:00	DK - Orø		99%	6 °C
07/10/2019 06:01	DK - Skibby		99%	8 °C
06/10/2019 06:01	DK - Orø		99%	3 °C
05/10/2019 06:01	DK - Skibby		99%	5 °C
04/10/2019 06:00	DK - Skibby		99%	5 °C
03/10/2019 06:01	DK - Skibby		99%	6 °C
02/10/2019 06:01	DK - Skibby		99%	7 °C
01/10/2019 06:01	DK - Skibby		99%	10 °C
30/09/2019 06:00	DK - Skibby		99%	12 °C
29/09/2019 06:01	DK - Skibby		99%	11 °C

When the desired period is shown, the data are transferred to Excel by clicking CSV. The file is then formed, which opens in Excel by clicking on it.



Bruger: Niels Bjerre  
Enhed: Venslev - 70

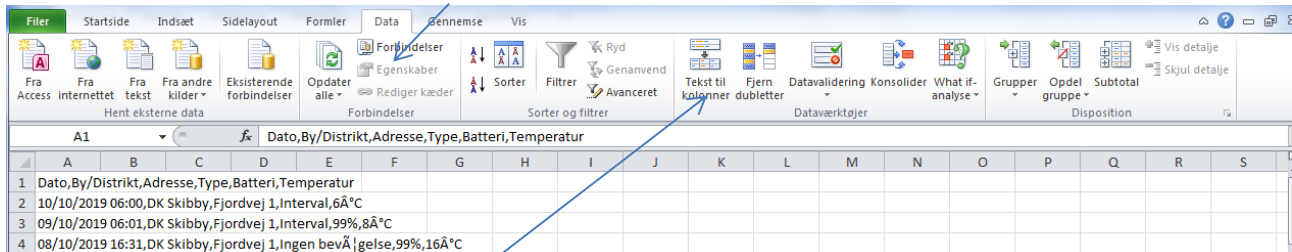
Dato	Lokation	Type	Batteri	°C
02/08/2019 08:49	DK - Sønderborg		100%	27 °C
02/08/2019 08:49	DK - Kolding		100%	19 °C
02/08/2019 06:01	DK - Kolding		100%	16 °C
01/08/2019 17:27	DK - Kolding		100%	22 °C
01/08/2019 14:27	DK - Brande		100%	20 °C
01/08/2019 08:37	DK - Brande		100%	17 °C
01/08/2019 08:36	DK - Kolding		100%	16 °C
01/08/2019 06:01	DK - Kolding		100%	16 °C
31/07/2019 19:07	DK - Kolding		100%	19 °C
31/07/2019 11:04	DK - Kolding		100%	21 °C
31/07/2019 03:00	DK - Kolding		100%	20 °C
30/07/2019 18:57	DK - Kolding		100%	27 °C

In Excel, the file is a text file in the first column as the example below. To transform the text file into columns, the following steps are completed.

	A	B	C	D	E	F	G
1	Dato,By/Distrikt,Adresse,Type,Batteri,Temperatur						
2	10/10/2019 06:00,DK Skibby,Fjordvej 1,Interval,6Å°C						
3	09/10/2019 06:01,DK Skibby,Fjordvej 1,Interval,99%,8Å°C						
4	08/10/2019 16:31,DK Skibby,Fjordvej 1,Ingen bevÅlgelse,99%,16Å°C						
5	08/10/2019 13:31,DK Skibby,Oldvejen 11,BevÅlgelse,99%,12Å°C						
6	08/10/2019 06:00,DK OrÅ,NÅsgÅrdsvej 12,Interval,99%,6Å°C						
7	07/10/2019 06:01,DK Skibby,RendebÅkvej 14,Interval,99%,8Å°C						
8	06/10/2019 06:01,DK OrÅ,NÅsgÅrdsvej 12,Interval,99%,3Å°C						
9	05/10/2019 06:01,DK Skibby,LI Troldmosevej 2,Interval,99%,5Å°C						
10	04/10/2019 06:00,DK Skibby,Fjordvej 1,Interval,99%,5Å°C						
11	03/10/2019 06:01,DK Skibby,SÅmer Skovvej 2,Interval,99%,6Å°C						
12	02/10/2019 06:01,DK Skibby,Bavnen 8B,Interval,99%,7Å°C						
13	01/10/2019 06:01,DK Skibby,Fjordvej 1,Interval,99%,10Å°C						
14	30/09/2019 06:00,DK Skibby,Venslev Strand 1,Interval,99%,12Å°C						
15	29/09/2019 06:01,DK Skibby,LI Troldmosevej 2,Interval,99%,11Å°C						

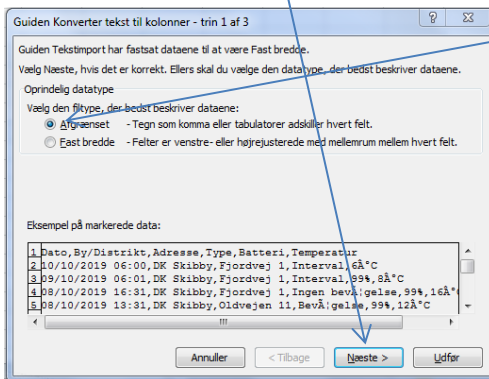
Select the column by clicking the column at the top.

Then click "Data" on the menu.

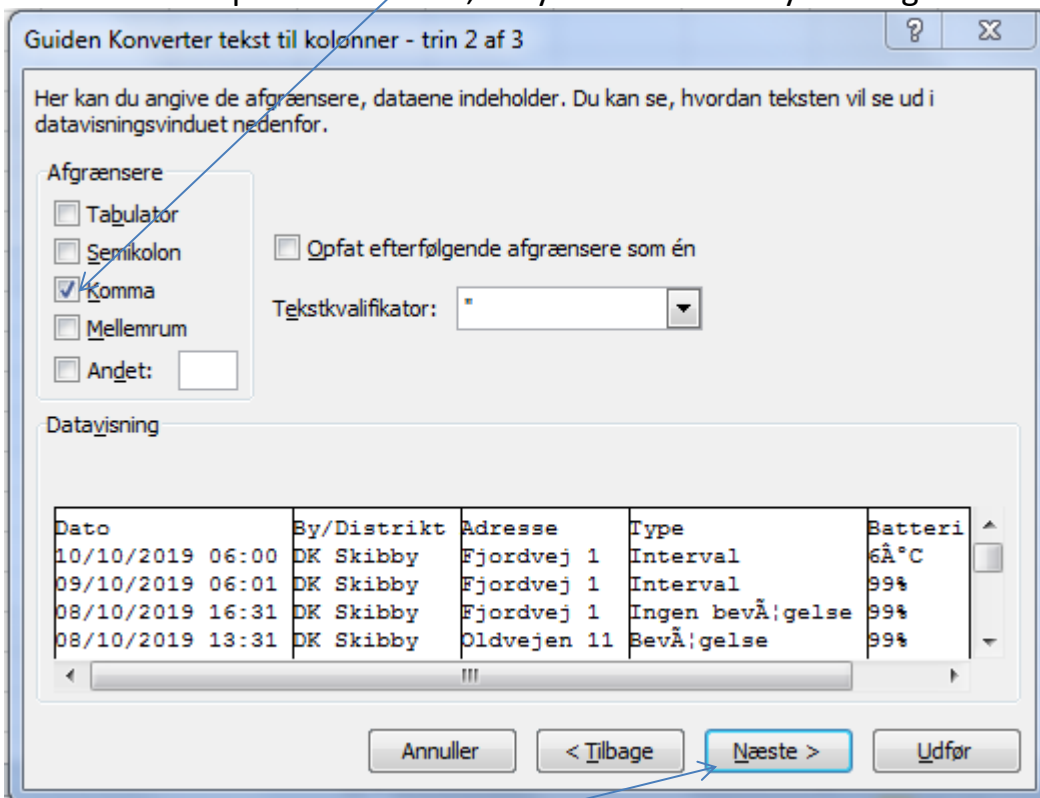


And then on "Text to Columns"

This will provide the following screen, clicking "Delineated" and then clicking "Next"

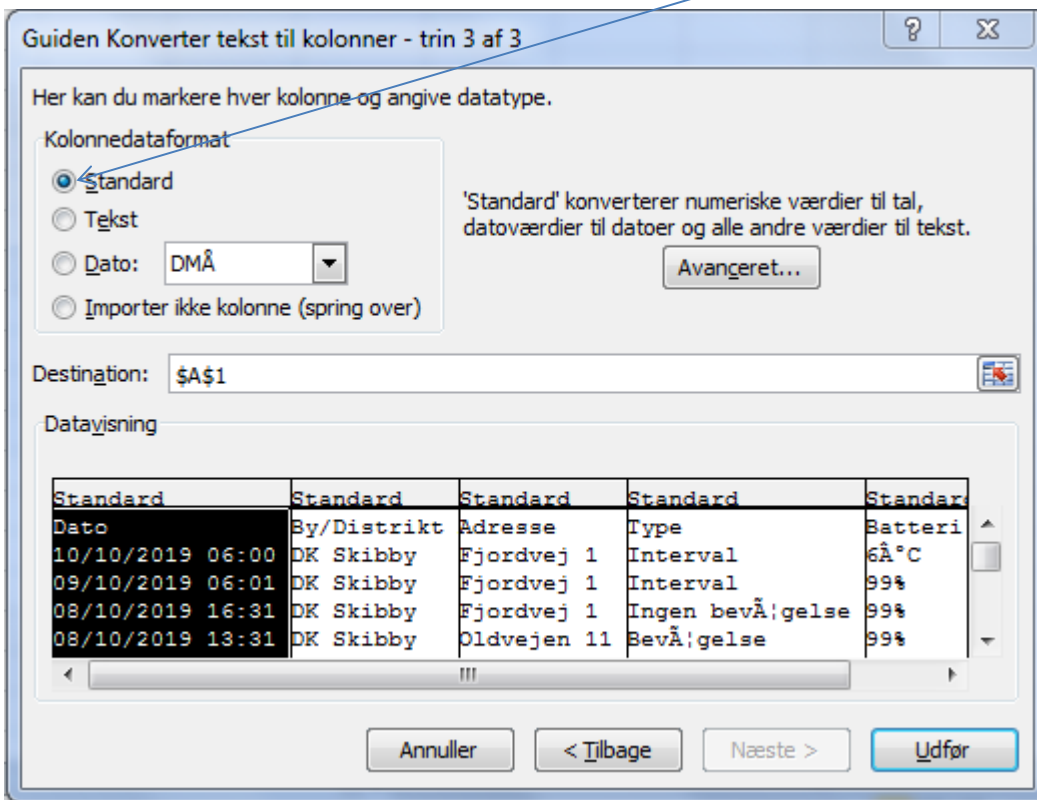


This will give you the following screen, which shall only check the box "Comma". (if there are multiple checkmarks, they are removed by clicking the check mark)



Click "Next"

The following screen will then appear, clicking "Default"



And then on "Finish"

Then Excel sheet looks like the following example:

	A	B	C	D	E	F	G
1	Dato	By/Distrik	Adresse	Type	Batteri	Temperatur	
2	09-10-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	8Å°C	
3	08-10-2019 16:31	DK Skibby	Fjordvej 1	Ingen bev	99%	16Å°C	
4	08-10-2019 13:31	DK Skibby	Oldvejen	BevÅlgelse	99%	12Å°C	
5	08-10-2019 06:00	DK OrÅ	NÅsgÅr	Interval	99%	6Å°C	
6	07-10-2019 06:01	DK Skibby	RendebÅ	Interval	99%	8Å°C	
7	06-10-2019 06:01	DK OrÅ	NÅsgÅr	Interval	99%	3Å°C	
8	05-10-2019 06:01	DK Skibby	LI Troldm	Interval	99%	5Å°C	
9	04-10-2019 06:00	DK Skibby	Fjordvej 1	Interval	99%	5Å°C	
10	03-10-2019 06:01	DK Skibby	SÅmer Sk	Interval	99%	6Å°C	
11	02-10-2019 06:01	DK Skibby	Bavnen 8E	Interval	99%	7Å°C	
12	01-10-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	10Å°C	
13	30-09-2019 06:00	DK Skibby	Venslev S	Interval	99%	12Å°C	
14	29-09-2019 06:01	DK Skibby	LI Troldm	Interval	99%	11Å°C	
15	28-09-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	11Å°C	
16	27-09-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	12Å°C	

Double-click the line between columns A and B and expand the field to see the entire date in the field.

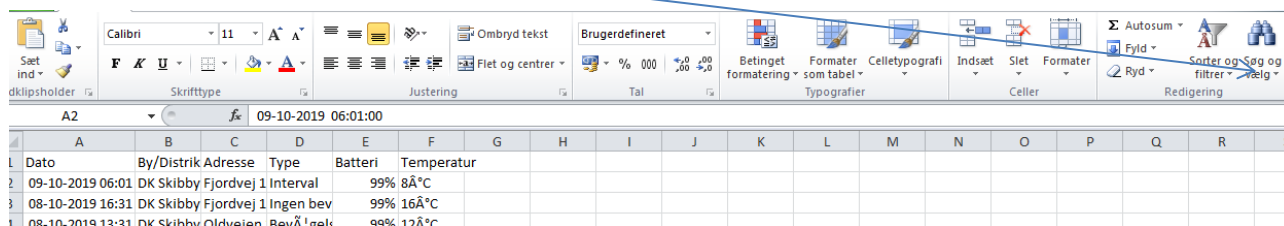
In order to form a graph of temperature trends during the period, the temperature column must be changed to contain only the temperature number:

	A	B	C	D	E	F	G
1	Dato	By/Distrik	Adresse	Type	Batteri	Temperatur	
2	09-10-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	8Å°C	
3	08-10-2019 16:31	DK Skibby	Fjordvej 1	Ingen bev	99%	16Å°C	
4	08-10-2019 13:31	DK Skibby	Oldvejen	BevÅ  gels	99%	12Å°C	
5	08-10-2019 06:00	DK OrÅ,	NÅ  sgÅyr	Interval	99%	6Å°C	
6	07-10-2019 06:01	DK Skibby	RendebÅ	Interval	99%	8Å°C	
7	06-10-2019 06:01	DK OrÅ,	NÅ  sgÅyr	Interval	99%	3Å°C	
8	05-10-2019 06:01	DK Skibby	LI Trolmc	Interval	99%	5Å°C	
9	04-10-2019 06:00	DK Skibby	Fjordvej 1	Interval	99%	5Å°C	
10	03-10-2019 06:01	DK Skibby	SÅ,mer Sk	Interval	99%	6Å°C	
11	02-10-2019 06:01	DK Skibby	Bavnen 8E	Interval	99%	7Å°C	
12	01-10-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	10Å°C	
13	30-09-2019 06:00	DK Skibby	Venslev S	Interval	99%	12Å°C	
14	29-09-2019 06:01	DK Skibby	LI Trolmc	Interval	99%	11Å°C	
15	28-09-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	11Å°C	
16	27-09-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	10Å°C	

Click and copy field F2.

Click and select column F.

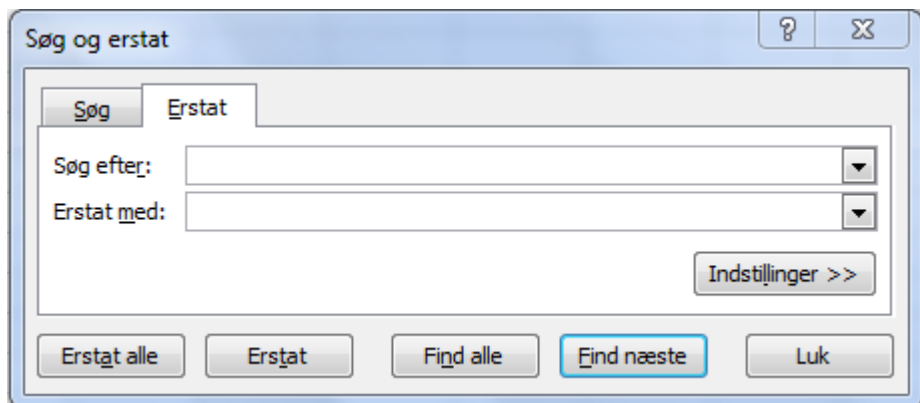
Click "arrow down" on "Search" and then click "Find and Replace"



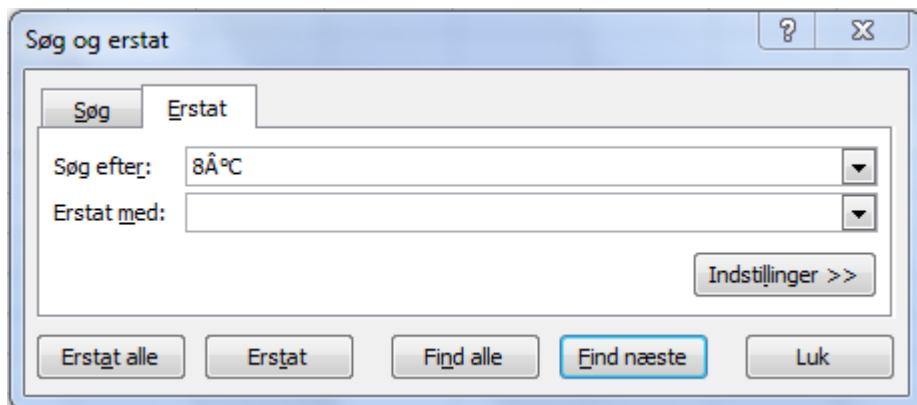
The screenshot shows the Excel ribbon with the 'Redigering' (Editing) group selected. The 'Find and Replace' button (represented by a magnifying glass icon) is highlighted. A blue arrow points from this button to the 'Temperatur' column header in the data table shown below.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Dato	By/Distrik	Adresse	Type	Batteri	Temperatur												
2	09-10-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	8Å°C												
3	08-10-2019 16:31	DK Skibby	Fjordvej 1	Ingen bev	99%	16Å°C												
4	08-10-2019 13:31	DK Skibby	Oldvejen	BevÅ  gels	99%	12Å°C												

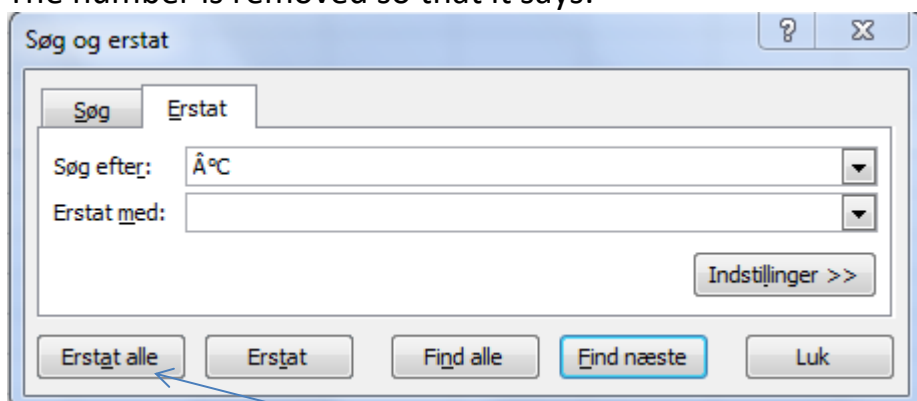
In the "Find What" box, right-click and click "paste"



Then the field looks like this:



The number is removed so that it says:



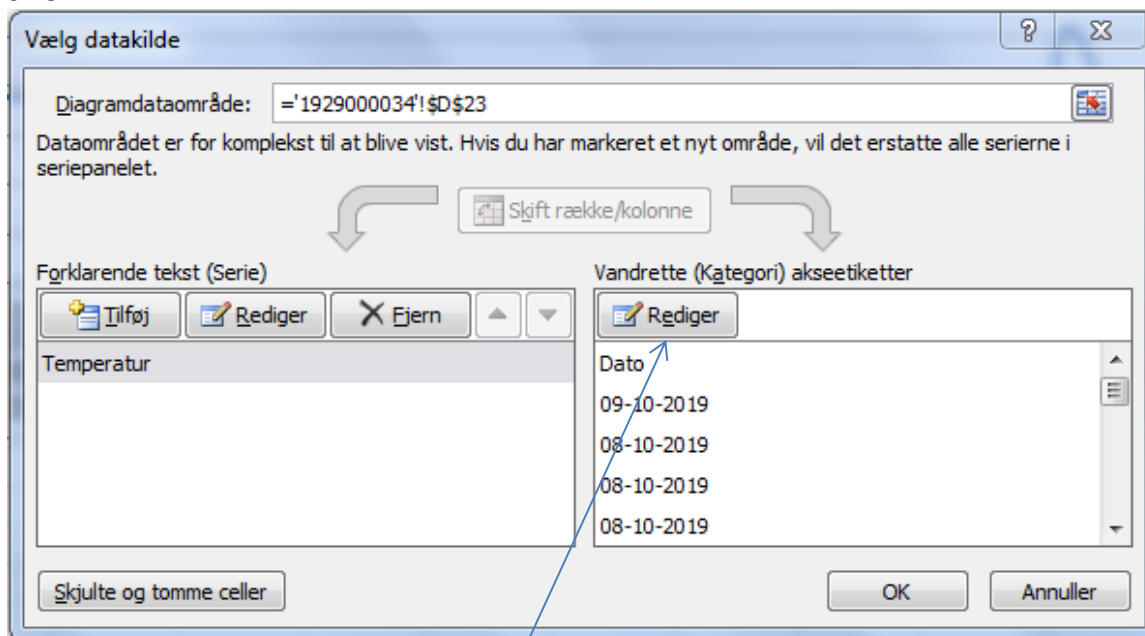
Then click "Replace all"

The Excel sheet looks like this:

Dato	By/Distrik	Adresse	Type	Batteri	Temperatur
09-10-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	8
08-10-2019 16:31	DK Skibby	Fjordvej 1	Ingen bev	99%	16
08-10-2019 13:31	DK Skibby	Oldvejen	BevÅlgels	99%	12
08-10-2019 06:00	DK OrÅ,	NÅsgÅyr	Interval	99%	6
07-10-2019 06:01	DK Skibby	RendebÅ	Interval	99%	8
06-10-2019 06:01	DK OrÅ,	NÅsgÅyr	Interval	99%	3
05-10-2019 06:01	DK Skibby	LI Troidm	Interval	99%	5
04-10-2019 06:00	DK Skibby	Fjordvej 1	Interval	99%	5
03-10-2019 06:01	DK Skibby	SÅ,mer Sk	Interval	99%	6
02-10-2019 06:01	DK Skibby	Bavnen 8E	Interval	99%	7
01-10-2019 06:01	DK Skibby	Fjordvej 1	Interval	99%	10
30-09-2019 06:00	DK Skibby	Venslev S	Interval	99%	12
29-09-2019 06:01	DK Skibby	LI Troidm	Interval	99%	11

To make a curve of temperature trends in the period, select column F (Temperature). Click "Insert", and then "Chart" the chart you want.

To have a date on the X axis, right-click the X axis. The following screenshot is then shown:



Under horizontal, click "Edit" and insert the X axis's data range.





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If you want the oldest data first on the X axis you can either sort the Excel sheet with oldest data first or you can right-click the X axis. Click "Format Axis" and click "Categories in reverse order"

Hope that StackView will contribute to a high value for you and your accomplishment.

Yours sincerely

Care4farm ApS  
Beach 70  
6000 Kolding  
Denmark  
Ph: +45 2275 8000  
M: [nb@care4farm.dk](mailto:nb@care4farm.dk)  
[www.care4farm.dk](http://www.care4farm.dk)