WEB-APP - CHARTS
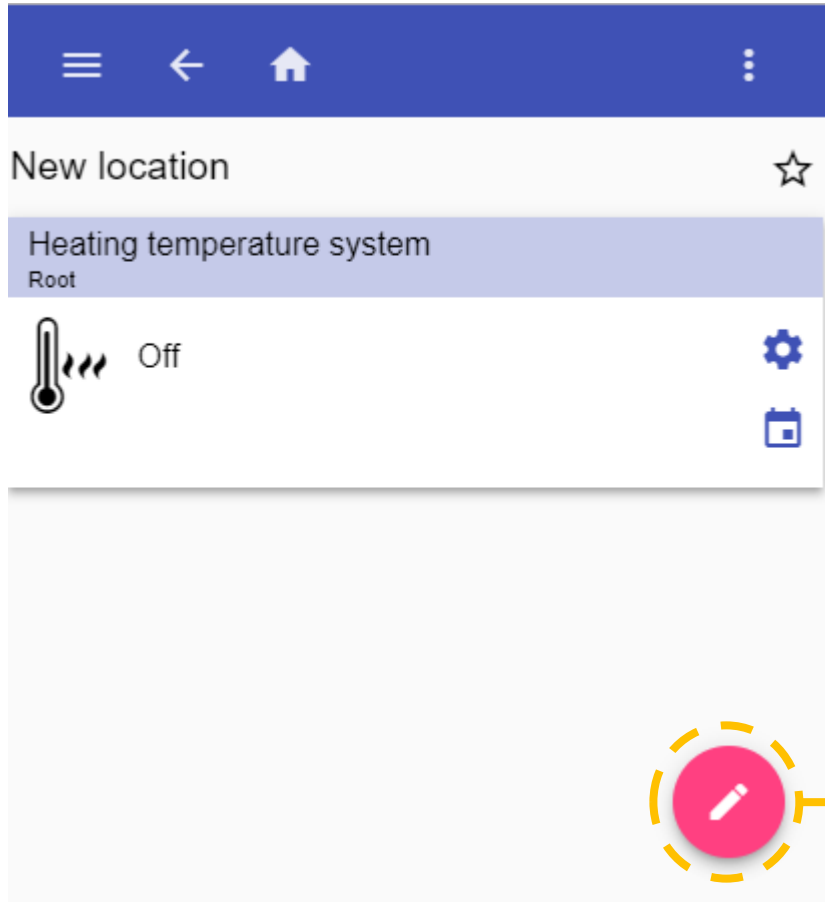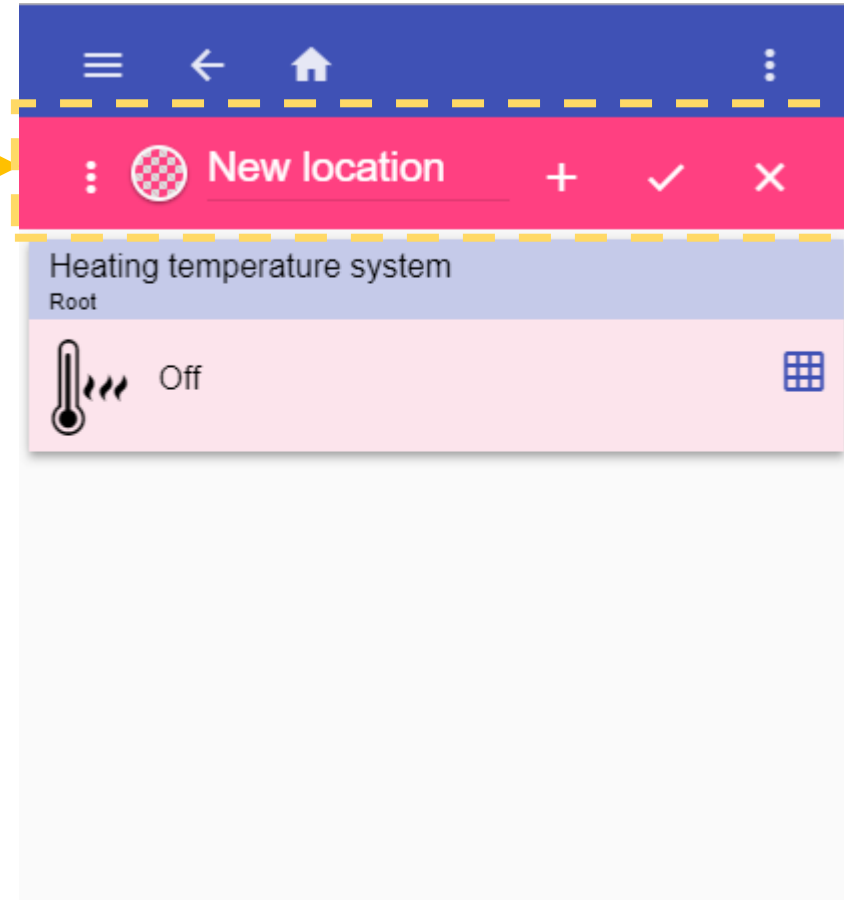

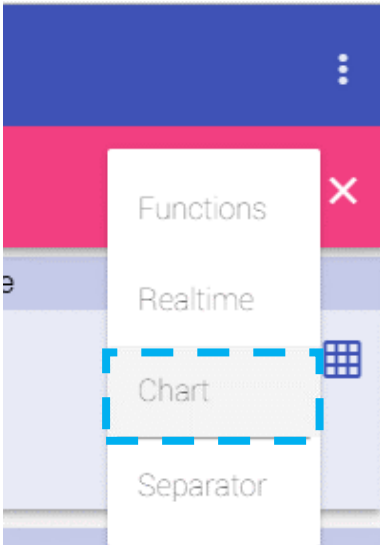1) Click the rounded button to enter the edit mode

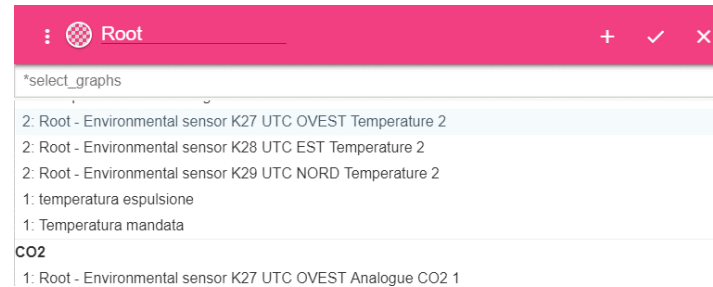2) The edit bar will be shown in the top center of the page

WEB-APP - CHARTS
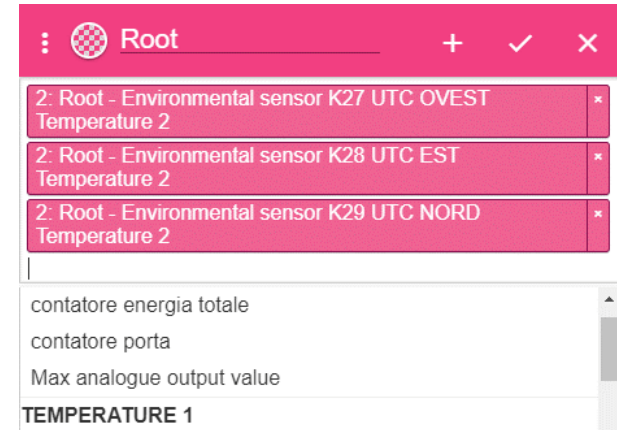## How to create a chart

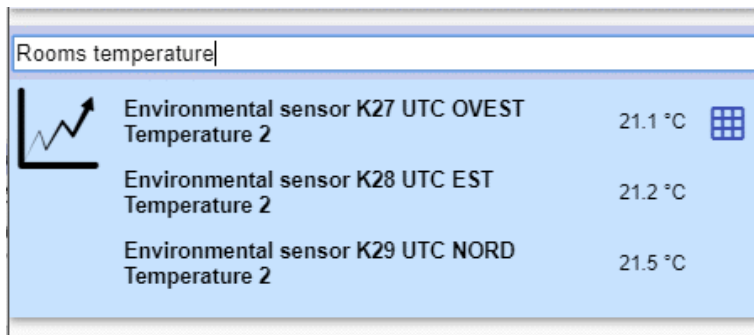1) Click the ✏️ button to enter the

edit mode and click on *Chart*

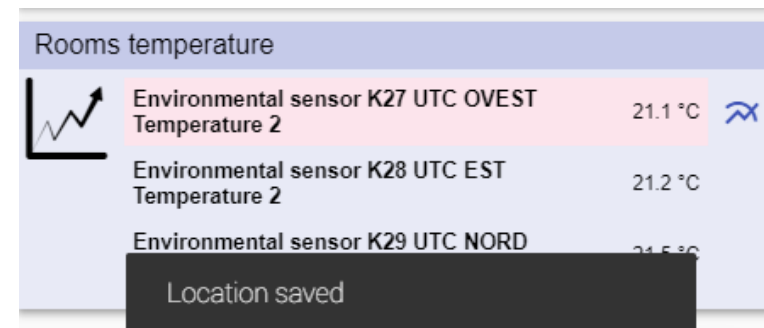The available signals will be presented in the list, sorted by typology

2) Click on a signal row to add it to the Chart tile. The signals that have already been added are shown above the list of the signals (as shown below)

⋮ ⬡ Root   + ✓ ✕

*select_graphs

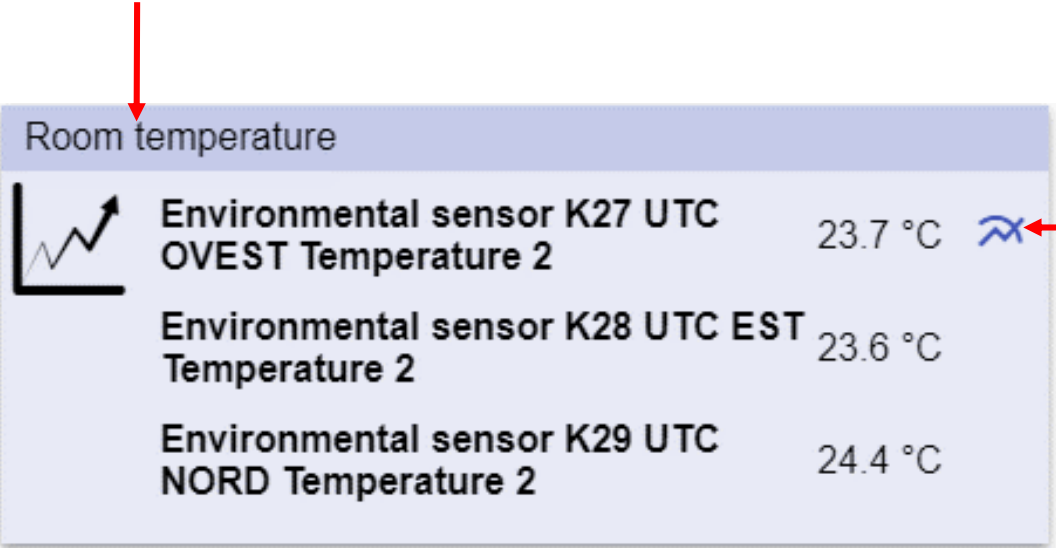2: Root - Environmental sensor K27 UTC OVEST Temperature 2
2: Root - Environmental sensor K28 UTC EST Temperature 2
2: Root - Environmental sensor K29 UTC NORD Temperature 2
1: temperatura espulsione
1: Temperatura mandata
CO2
1: Root - Environmental sensor K27 UTC OVEST Analogue CO2 1

⋮ ⬡ Root   + ✓ ✕

2: Root - Environmental sensor K27 UTC OVEST Temperature 2 ✕
2: Root - Environmental sensor K28 UTC EST Temperature 2 ✕
2: Root - Environmental sensor K29 UTC NORD Temperature 2 ✕

contatore energia totale
contatore porta
Max analogue output value
TEMPERATURE 1

3) Enter the label for the *Chart* tile

Rooms temperature

📈	Environmental sensor K27 UTC OVEST Temperature 2	21.1 °C	⊞
	Environmental sensor K28 UTC EST Temperature 2	21.2 °C	
	Environmental sensor K29 UTC NORD Temperature 2	21.5 °C	

4) Click ✓ to save the Chart tile

Rooms temperature

📈	Environmental sensor K27 UTC OVEST Temperature 2	21.1 °C	〰
	Environmental sensor K28 UTC EST Temperature 2	21.2 °C	
	Environmental sensor K29 UTC NORD		

Location saved

WEB-APP - CHARTS

Chart tile

Chart tile name

Room temperature

Environmental sensor K27 UTC OVEST Temperature 2	23.7 °C	
Environmental sensor K28 UTC EST Temperature 2	23.6 °C	
Environmental sensor K29 UTC NORD Temperature 2	24.4 °C	

Click on the icon to access the chart page

The *Chart* tile shows the real-time value of the attached signals

WEB-APP - CHARTS

Buttons description
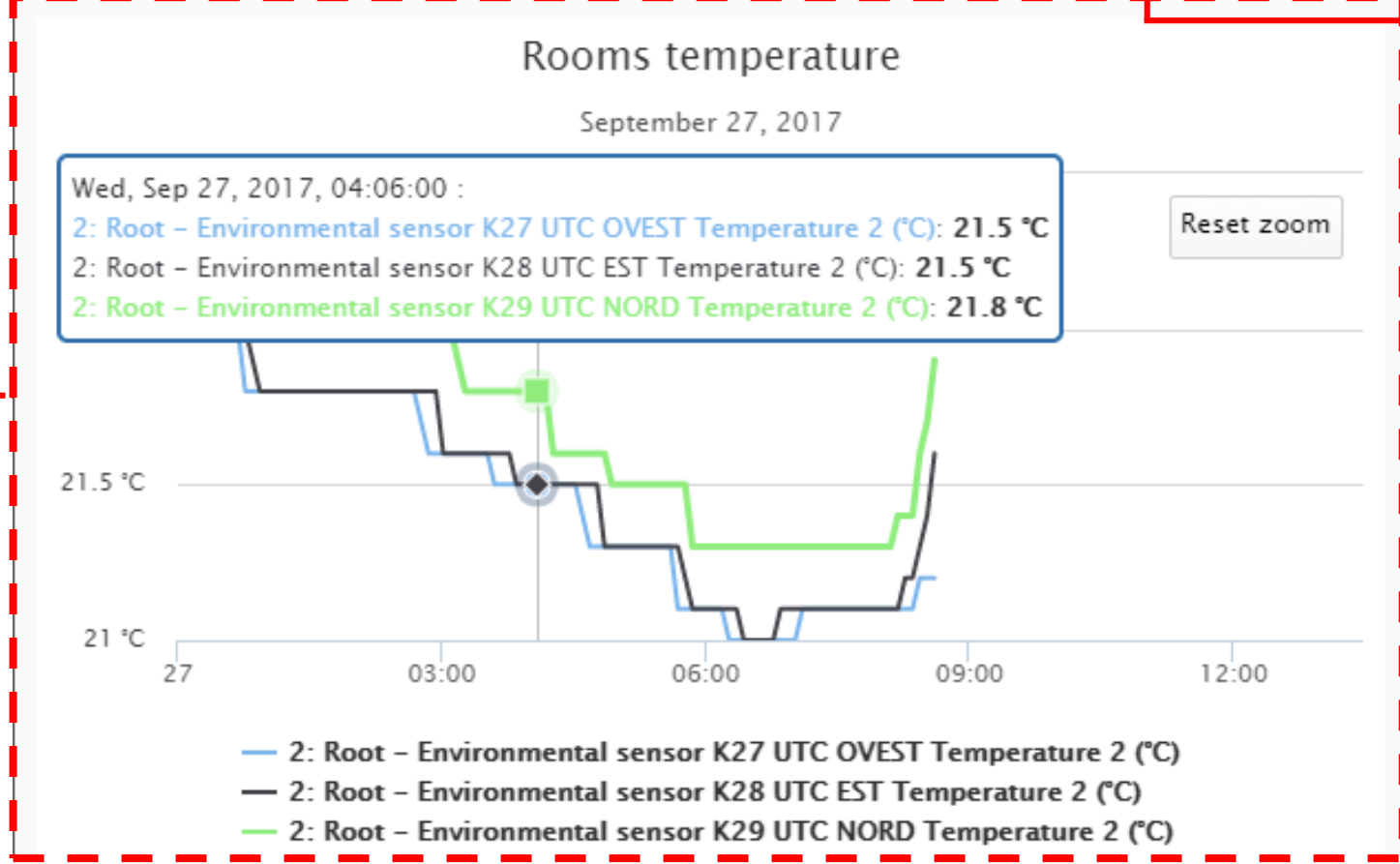
Daily chart   Last 7 days   Last twelve months   Click the arrows to move back and forth

Range selector

Rooms temperature

Today   Last 7 days   Last 12 months   ‹ September 27, 2017 ›

The current period is shown between the left and right arrows

Rooms temperature

September 27, 2017

Wed, Sep 27, 2017, 04:06:00 :
2: Root – Environmental sensor K27 UTC OVEST Temperature 2 (℃): **21.5 ℃**
2: Root – Environmental sensor K28 UTC EST Temperature 2 (℃): **21.5 ℃**
2: Root – Environmental sensor K29 UTC NORD Temperature 2 (℃): **21.8 ℃**

Reset zoom

Chart area

21.5 ℃

21 ℃

27   03:00   06:00   09:00   12:00

— 2: Root – Environmental sensor K27 UTC OVEST Temperature 2 (℃)
— 2: Root – Environmental sensor K28 UTC EST Temperature 2 (℃)
— 2: Root – Environmental sensor K29 UTC NORD Temperature 2 (℃)
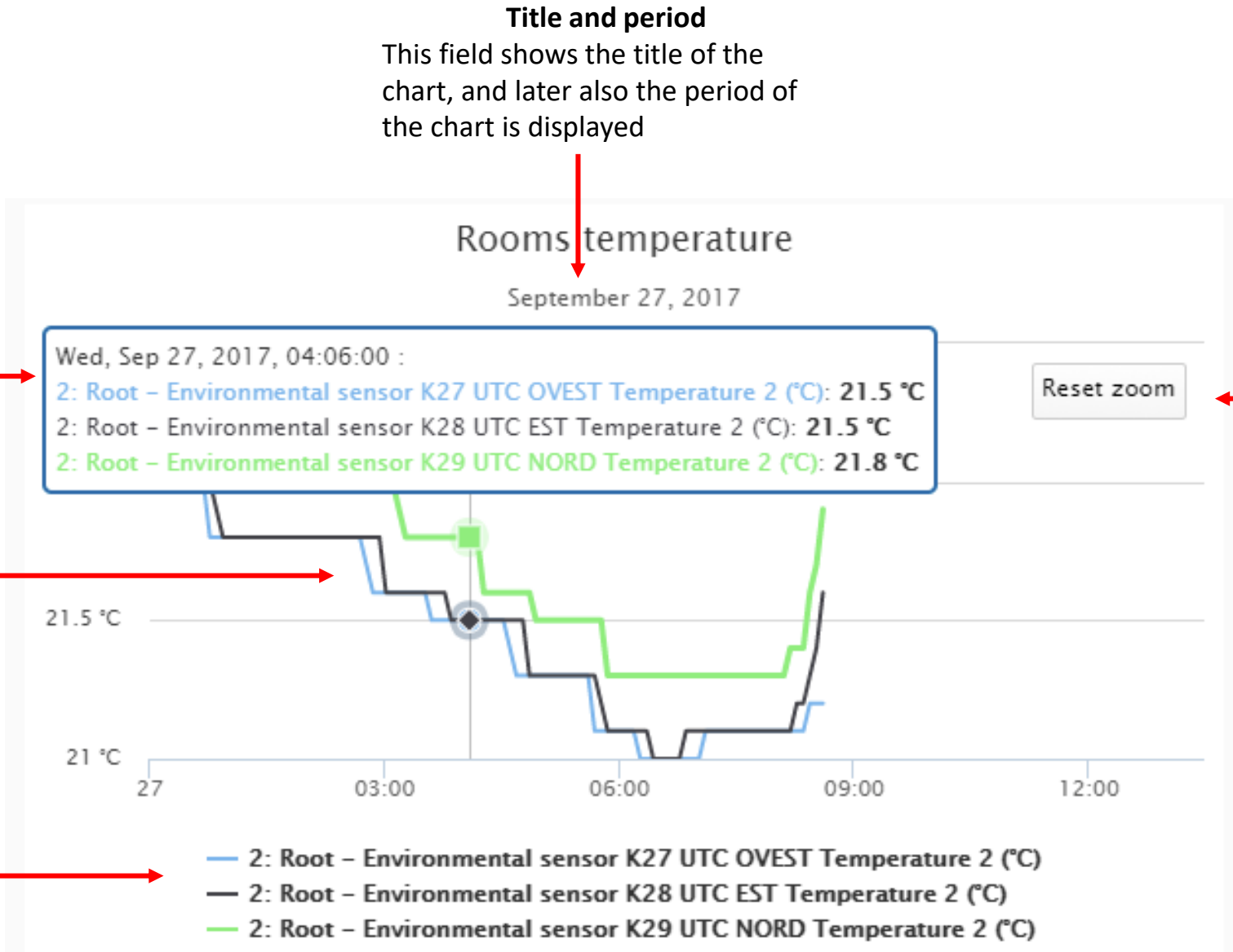
WEB-APP - CHARTS

Chart area description

Title and period
This field shows the title of the chart, and later also the period of the chart is displayed

Tooltip
When hovering over a series or a point on the chart you can get a tooltip that describes the values on that particular part of the chart.

Series
This area presents on a chart the selected signals

Legend
The legend shows the data series in the chart and allows for enabling and disabling one or more signals.

Reset zoom

Rooms temperature

September 27, 2017

Wed, Sep 27, 2017, 04:06:00 :
2: Root – Environmental sensor K27 UTC OVEST Temperature 2 (°C): **21.5 °C**
2: Root – Environmental sensor K28 UTC EST Temperature 2 (°C): **21.5 °C**
2: Root – Environmental sensor K29 UTC NORD Temperature 2 (°C): **21.8 °C**

Reset zoom

21.5 °C

21 °C

27   03:00   06:00   09:00   12:00

— 2: Root – Environmental sensor K27 UTC OVEST Temperature 2 (°C)
— 2: Root – Environmental sensor K28 UTC EST Temperature 2 (°C)
— 2: Root – Environmental sensor K29 UTC NORD Temperature 2 (°C)

WEB-APP - CHARTS

Zooming gestures

Zooming with mouse
With a mouse pointer, the zooming is performed by dragging out a rectangle in the chart.
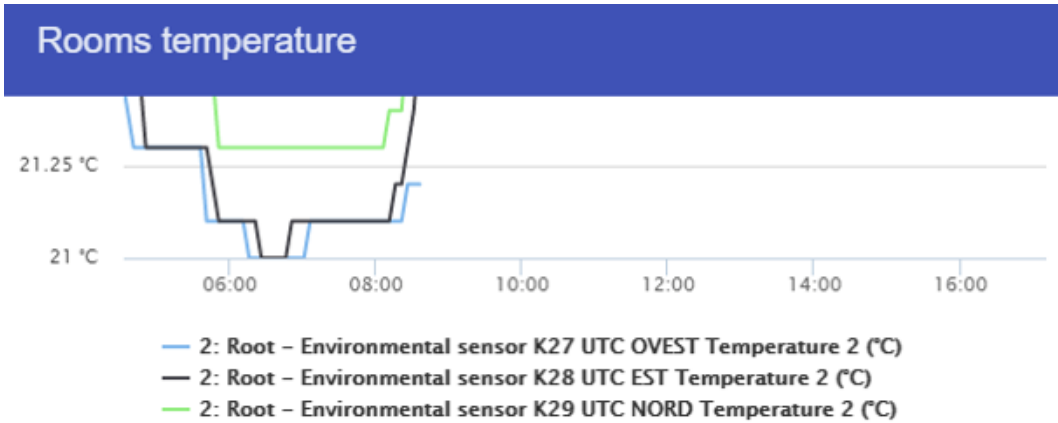
Zooming on smart-devices
On touch devices, the user can zoom by pinching in the chart area. On these devices, the user may also move the zoomed area by panning with one finger across the chart.
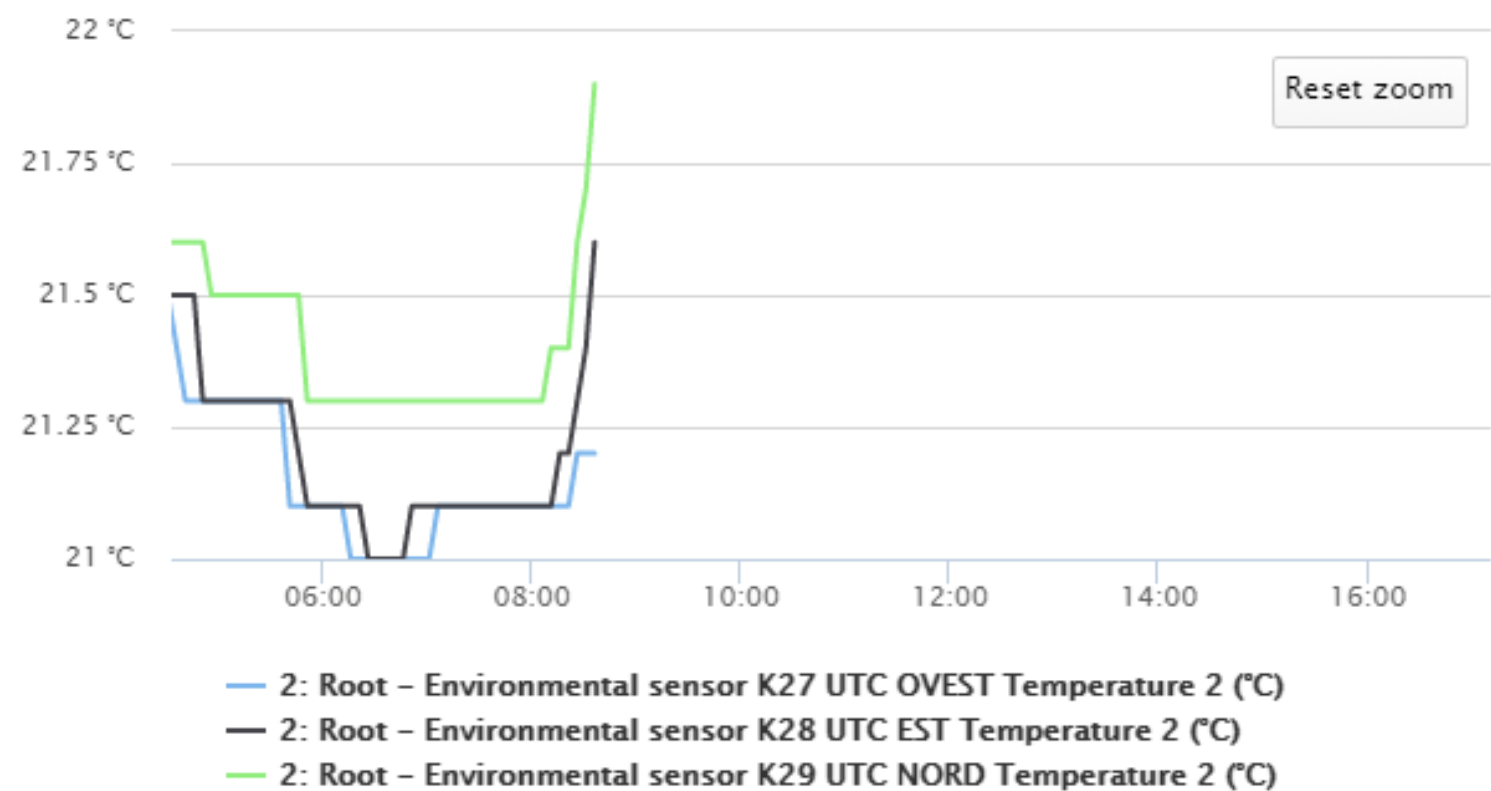
Reset Zoom
The Reset zoom button will appear when a zoom IN or a Zoom OUT is performed by the user. Click the button to restore the default percentage

WEB-APP - CHARTS
Edit chart

The user can change the label of the *Chart*

WEB-APP - CHARTS

Select parameters

Module:
When the **Module** box is selected, the signals are grouped by the module they belong to

Module ⦿ Data type

Select parameters

K27 UTC OVEST
1: Root - Environmental sensor K27 UTC OVEST Analogue CO2 1
2: Root - Environmental sensor K27 UTC OVEST Temperature 2
3: Root - Environmental sensor K27 UTC OVEST Humidity 3
K28 UTC EST
1: Root - Environmental sensor K28 UTC EST Analogue CO2 1
2: Root - Environmental sensor K28 UTC EST Temperature 2

Data type:
When the **Data type** box is selected, the signals are grouped by engineering units

Module ⦿ Data type

Select parameters

CO2
1: Root - Environmental sensor K27 UTC OVEST Analogue CO2 1
1: Root - Environmental sensor K28 UTC EST Analogue CO2 1
1: Root - Environmental sensor K29 UTC NORD Analogue CO2 1
HUMIDITY
3: Root - Environmental sensor K27 UTC OVEST Humidity 3
3: Root - Environmental sensor K28 UTC EST Humidity 3

WEB-APP - CHARTS

Select type of chart

For each signal that has been added to the chart, the user can select the type of chart for DMD, MIN and MAX values
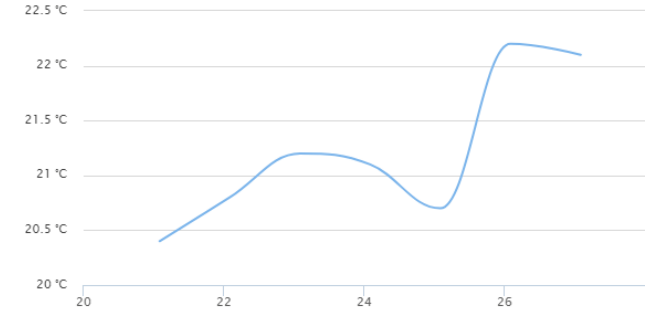
2: Root - Environmental sensor K27
UTC OVEST Temperature 2

DMD	MIN	MAX
Line ▼	Line ▼	Line ▼

None

Line

Spline

Bar
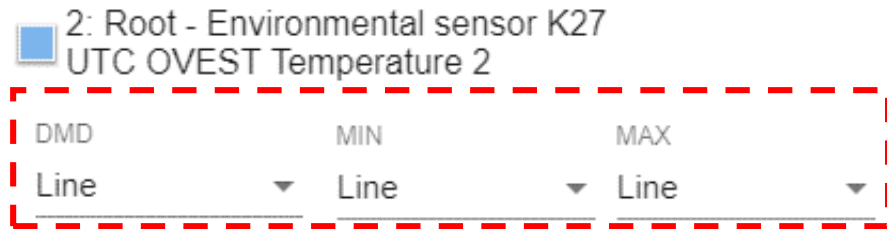
Area

The available type of chart to represent the series are:

LINE

SPLINE

AREA
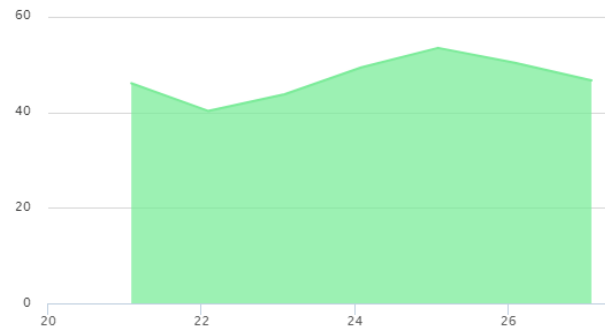
BAR
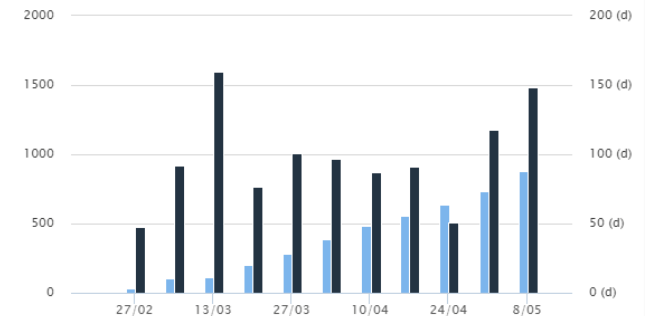
WEB-APP - CHARTS

Select the aggregation period

Based on the aggregation period, later will be shown the configuration parameters (green rectangle below)

Aggregation period ∧

- ◉ Daily
- ○ Weekly
- ○ Monthly
- ○ Yearly
- ○ Last 7 days
- ○ Last 12 months
- ○ Custom period

Start date: 📅 10/01/2016
Start time: 🕐 00:00
End time: 🕐 23:59

Aggregation period

No aggregation ▼

Aggregation period	Available parameters
Daily	DD/MM/YYYY Start time (hh:mm) End time (hh:mm)
Weekly	DD/MM/YYYY
Montly	MM/YYYY
Yearly	YYYY
Last 7 days	No additional parameters
Lasy 12 Months	No additional parameters
Custom period	Start date (DD/MM/YYYY) Start time (hh:mm) End date (DD/MM/YYYY) End time (hh:mm)

WEB-APP - CHARTS

The example below shows how to set the chart for **Daily** period

Aggregation period

◉ Daily   ○ Weekly   ○ Monthly   ○ Yearly   ○ Last 7 days

○ Last 12 months   ○ Custom period

Start date	Start time	End time
📅 10/01/2016	🕐 00:00	🕐 23:59

Aggregation period

No aggregation ▾

Start date

2016	‹	October	›

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

2016
Sat, Oct 01

OK   CANCEL

Start time & End time

08 :39

OK   CANCEL

Aggregation period

10 Minutes

15 Minutes

20 Minutes

30 Minutes

60 Minutes

WEB-APP - CHARTS

Finestra proposta charts

If the user select **Compare** box in the *Aggregation period* option, it
will be shown an additional series to compare the current period
with the same length of time before the selected one).

E.g. If the current period is the current month, it will be shown also
a series for the previous month

Aggregation period   ∧

◉ Daily   ○ Weekly   ○ Monthly   ○ Yearly   ○ Last 7 days

○ Last 12 months   ○ Custom period

Start date   Start time   End time
🗓 10/01/2016   🕐 00:00   🕐 23:59

Aggregation period
No aggregation   ▼

☐ Compare
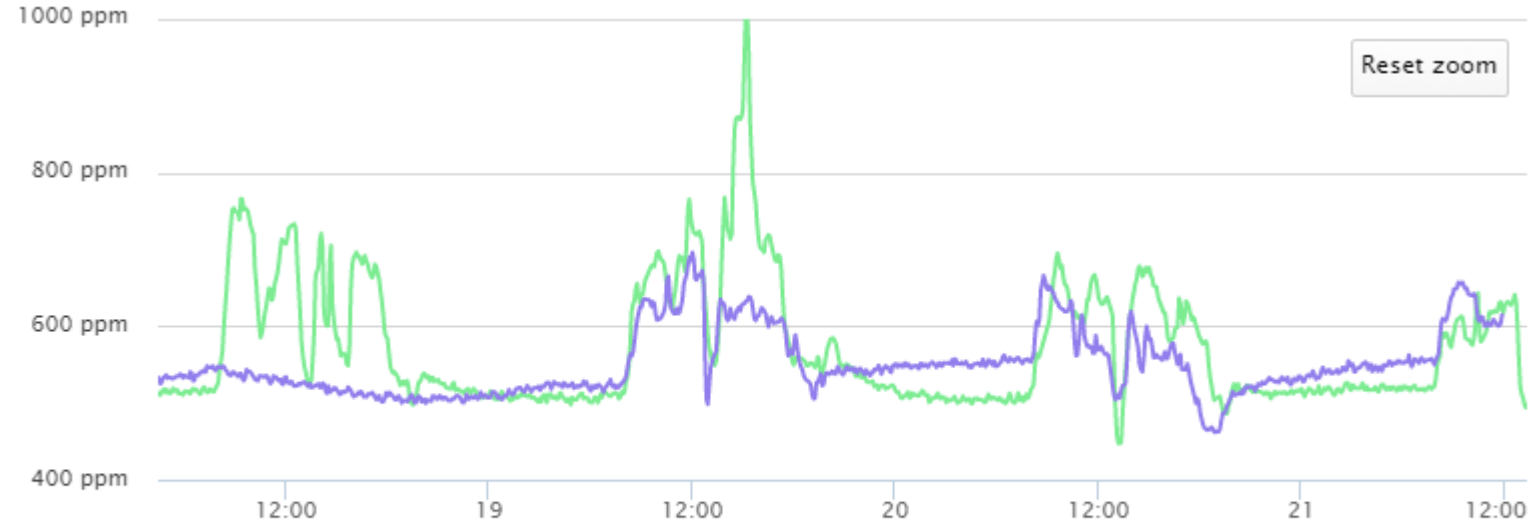
— 1: Root – Environmental sensor K27 UTC OVEST Analogue CO2 1 (ppm)
— 1: Root – Environmental sensor K27 UTC OVEST Analogue CO2 1 (prev) (ppm)

WEB-APP - CHARTS

Preview

Clicking on the Preview button, the chart will be refreshed
with the updated parameters

WEB-APP - CHARTS

Save chart

Clicking on the Save chart button, the chart will be saved and added to the page
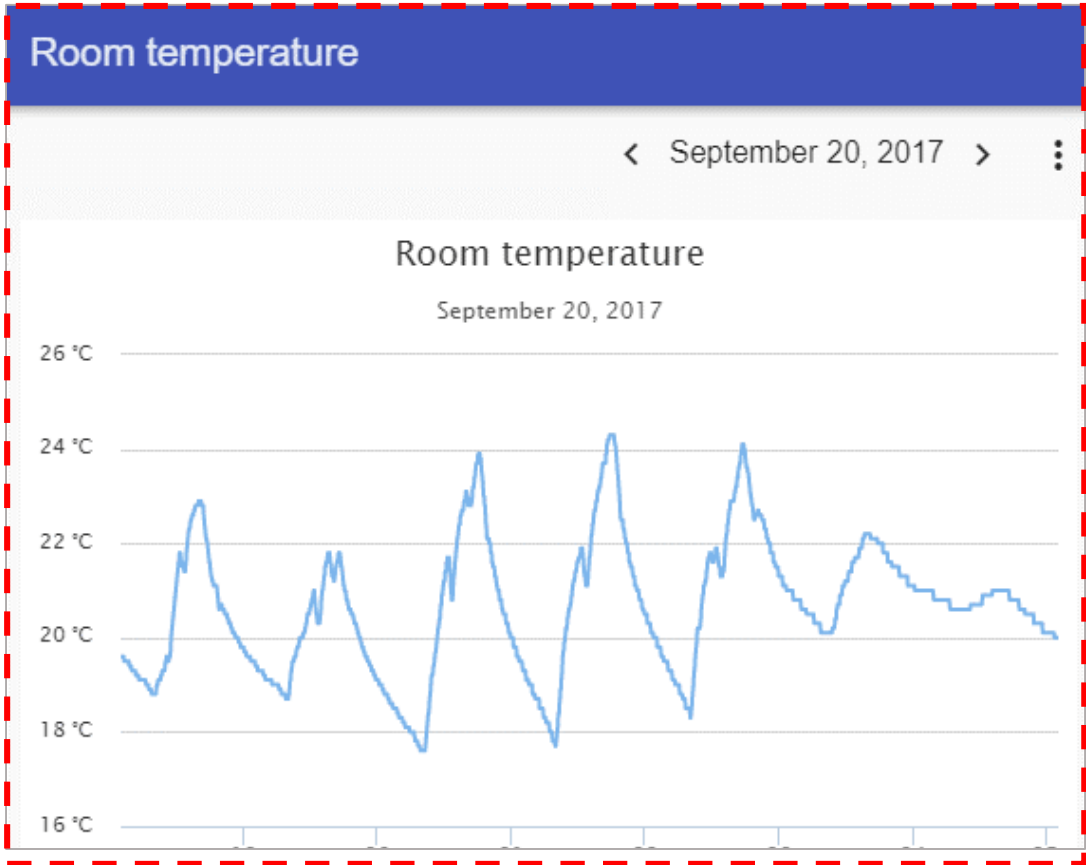
WEB-APP - CHARTS

Title

Room temperature

Select parameters ⌄

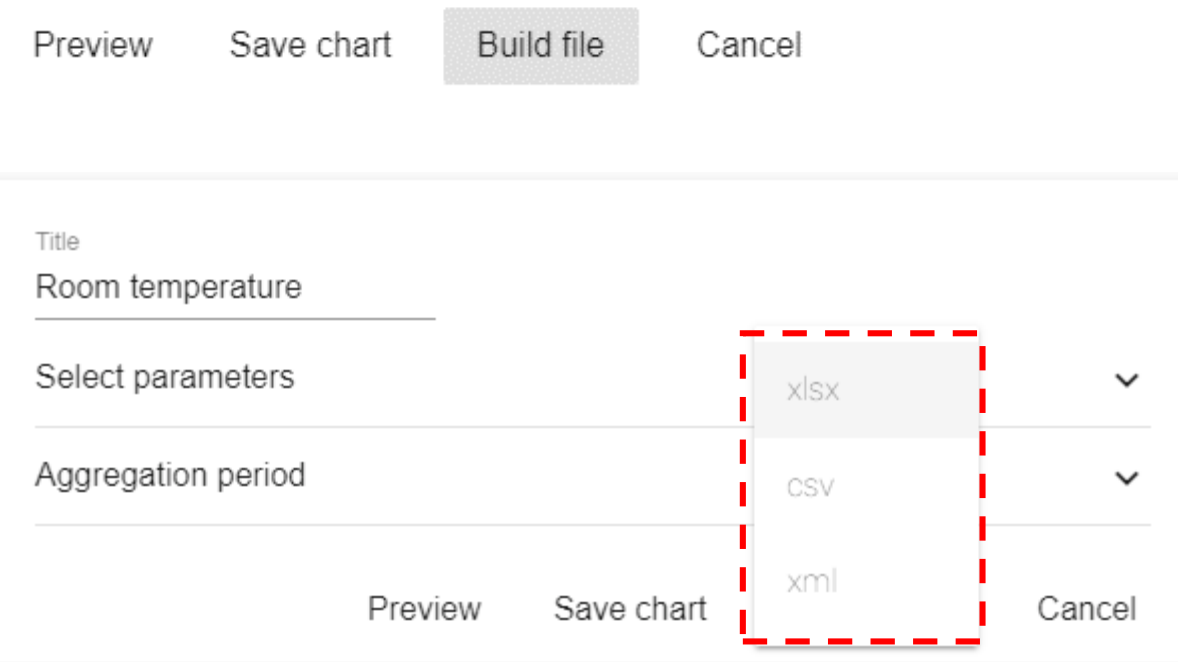Aggregation period ⌄

Preview

Save chart

Build file

Cancel

Build file

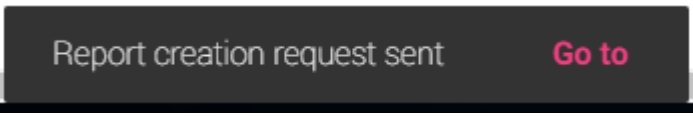Clicking on the Build file button the Report file will be generated:
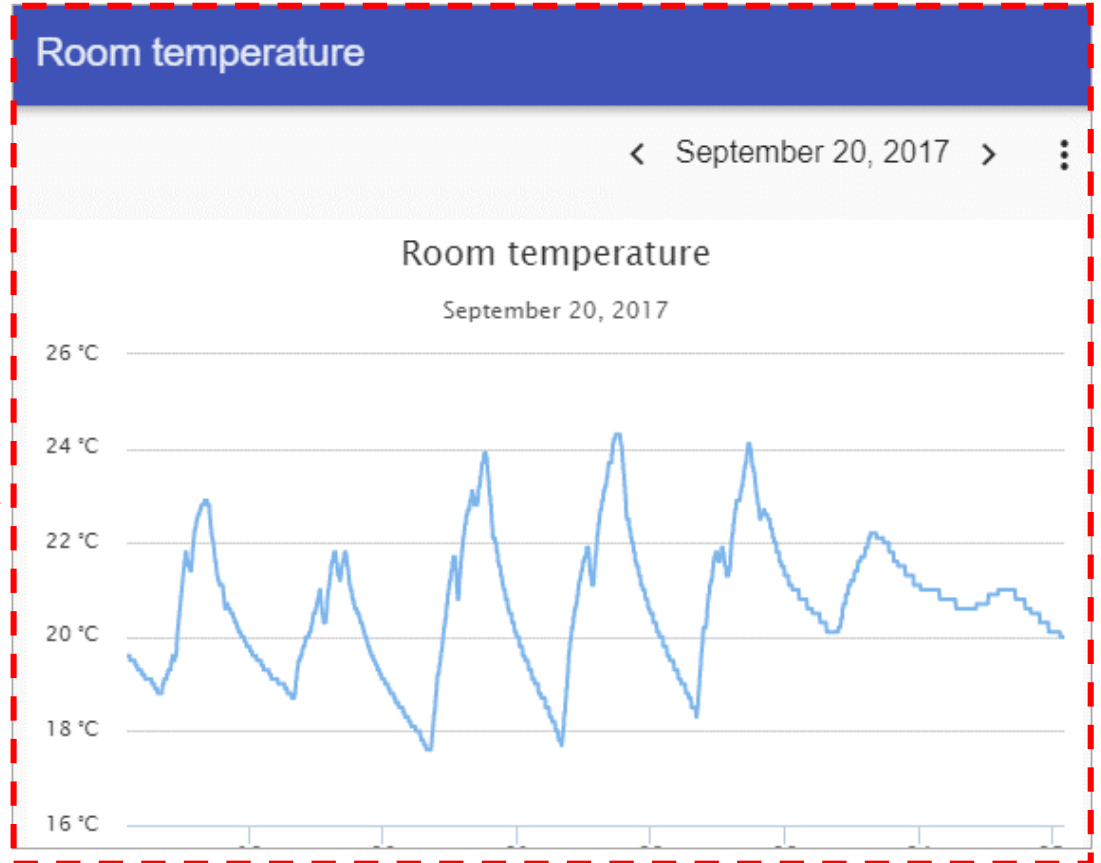
WEB-APP - CHARTS

1) The Report can be generated directly from the Chart, clicking on the Build file button

3) The Job history page will show the list of *Report* files

2) Click the Go to button to enter the Job page