**Rhino Platform**
Analysis and
reporting module

**RHINO**

## Consumption chart

The Consumption chart tab shows analysable consumption data in four available chart types: line, bar, pie and incremental. Use this tool to compare the consumption for any number of meters in selected time frame.

**HOW TO USE:** To generate a consumption chart, select the **Consumption chart** tab in the **Analysis and reporting** module

Analysis and reports

📈 Consumption

📊 Profile

💡 Load Chart

📄 Reports

💼 Utility costs
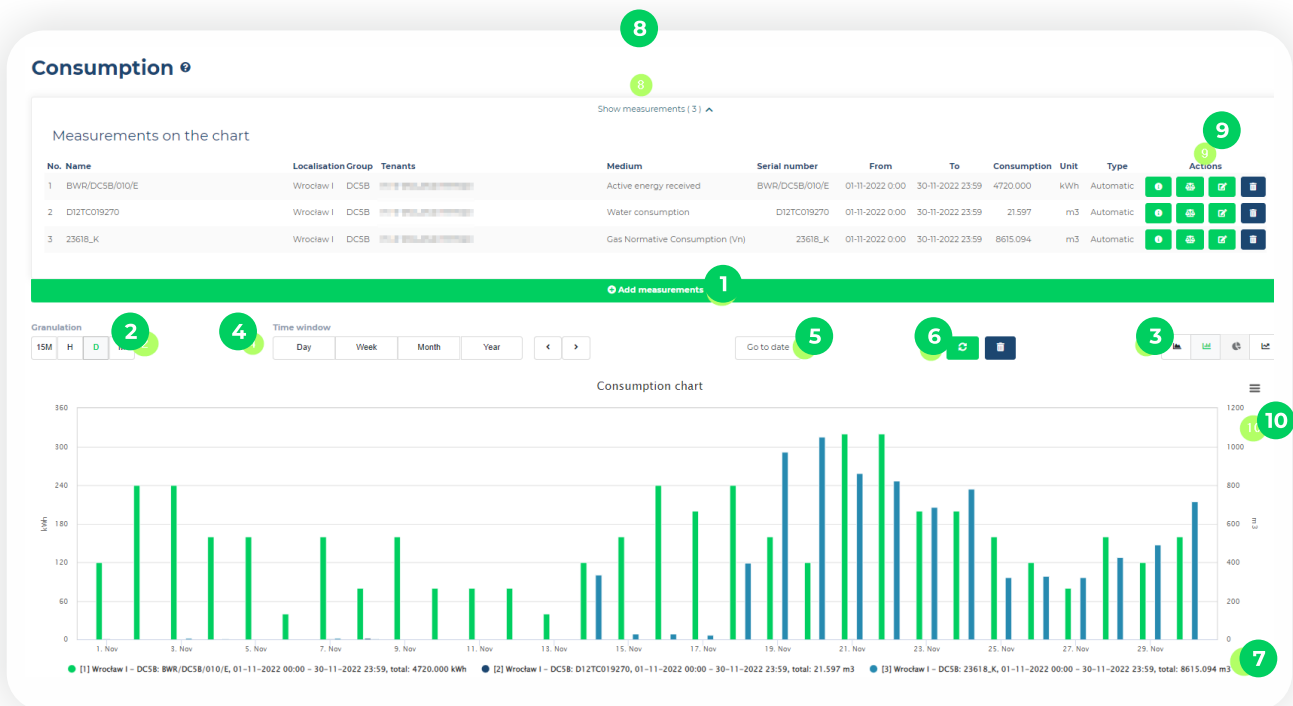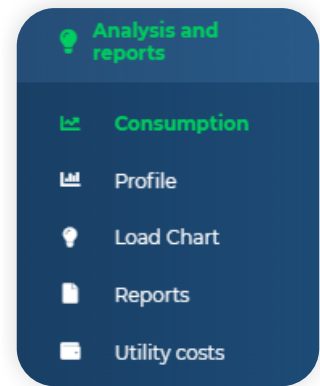


**1** Select the meters and date range for the desired data

**2** Select the time interval

**3** Select chart type (The pie chart is only available if all selected metres measure the same utility. The incremental chart is not available for virtual meters)

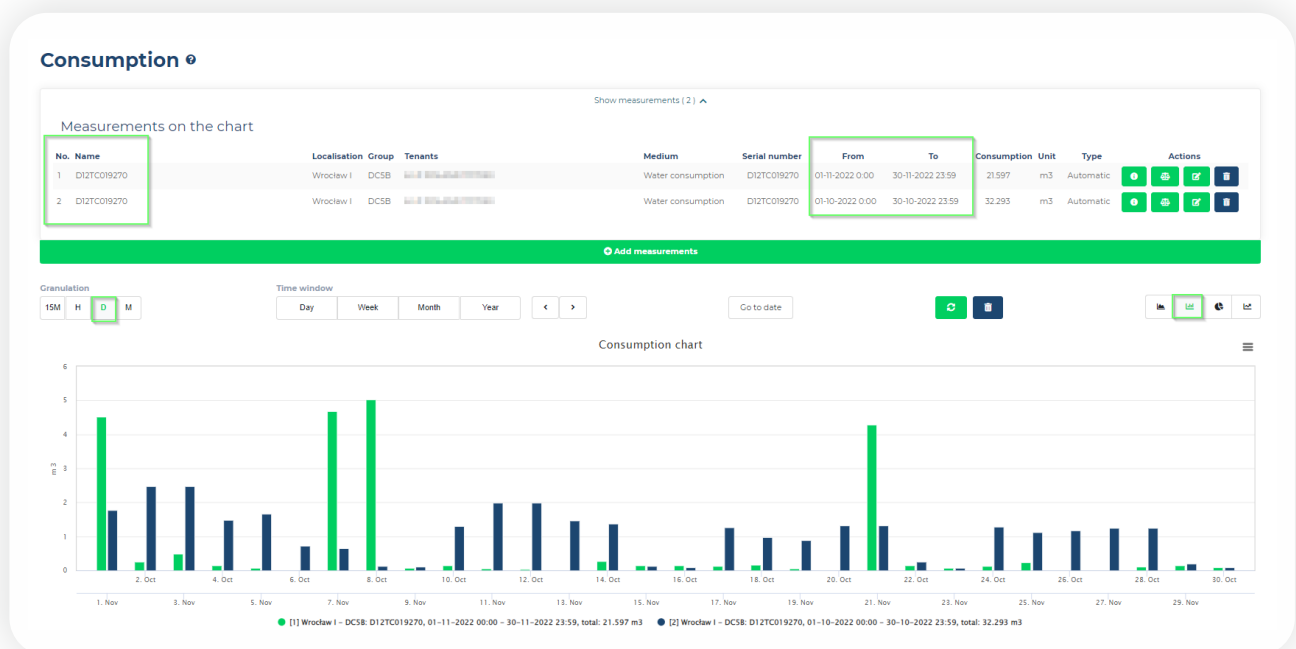**4** (Optional) Change or move the time frame for all selected meters

**Got questions?**
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**5** (Optional) Set the date range manually for all selected meters

**6** (Optional) Refresh view

**7** (Optional) Temporarily hide or show a data series

**8** (Optional) See what meteres are currently selected. Pay attention to the time frames (you can view two series of data for the same meter but with a different time interval, e.g. the current vs the previous month)

**9** (Optional) Show detailed information about the meter
Edit time frame for this data series  |  Delete data series from chart

**10** (Optional) Use the context menu to save the chart in the PNG, JPEG, PDF, SVG format, to download data as SVS or XLS and to show a table of meter readings

**EXAMPLE:** A comparison of water consumption for a selected water meter from two different months in daily intervals. Add two data series to the chart by selecting the same meter and choosing two time frames, e.g. March vs January 2021. The bar chart shows the comparison of daily water consumption in the selected months.

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## FAQ

### How can I check the meter reading for a selected date and time?

The reading on the meter is shown as an incremental consumption chart. By choosing this type of chart, you can verify the precise reading on the meter within the selected period. The reading table, which is accessible from the context menu, may also be of use. It shows all readings recorded by the remote reading system within the selected time frame.
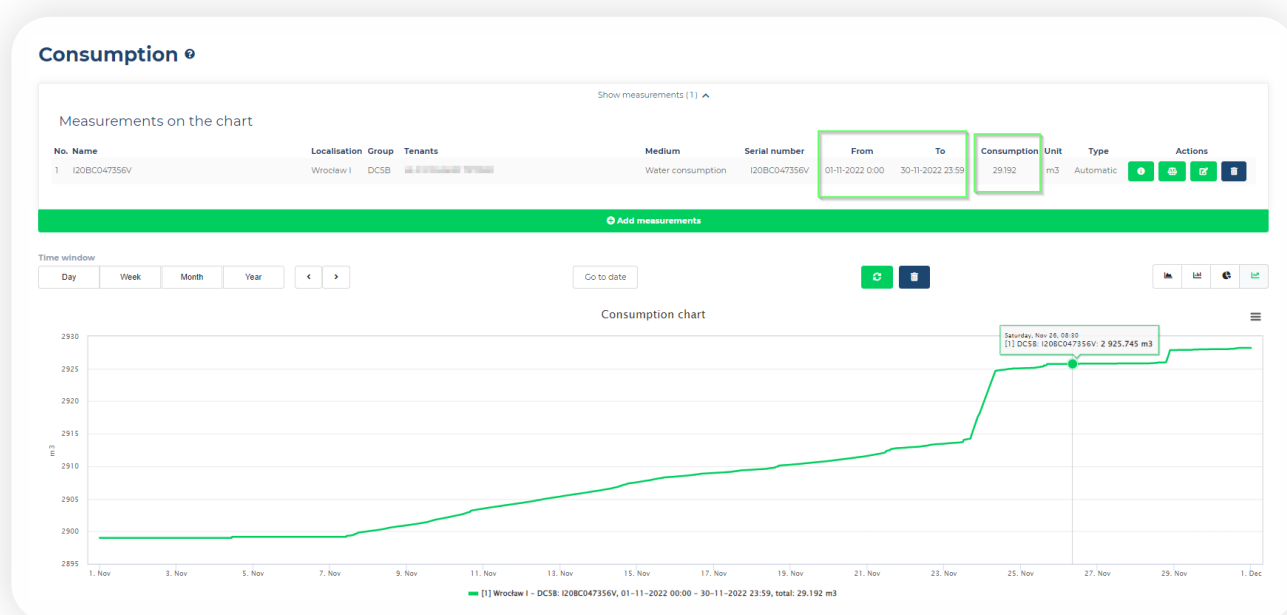


### What does a straight line on the incremental chart mean?

A straight line appears on the chart when consecutive readings recorded by the system have the same value – the meter does not record consumption and its counter stands still. We advise that you verify if that was in fact the case, e.g. because the utility was not consumed as the building was closed or there was no gas consumption in summer months, etc. If  that was not the case, the meter may have malfunctioned or been disconnected from remote reading and needs to be serviced.

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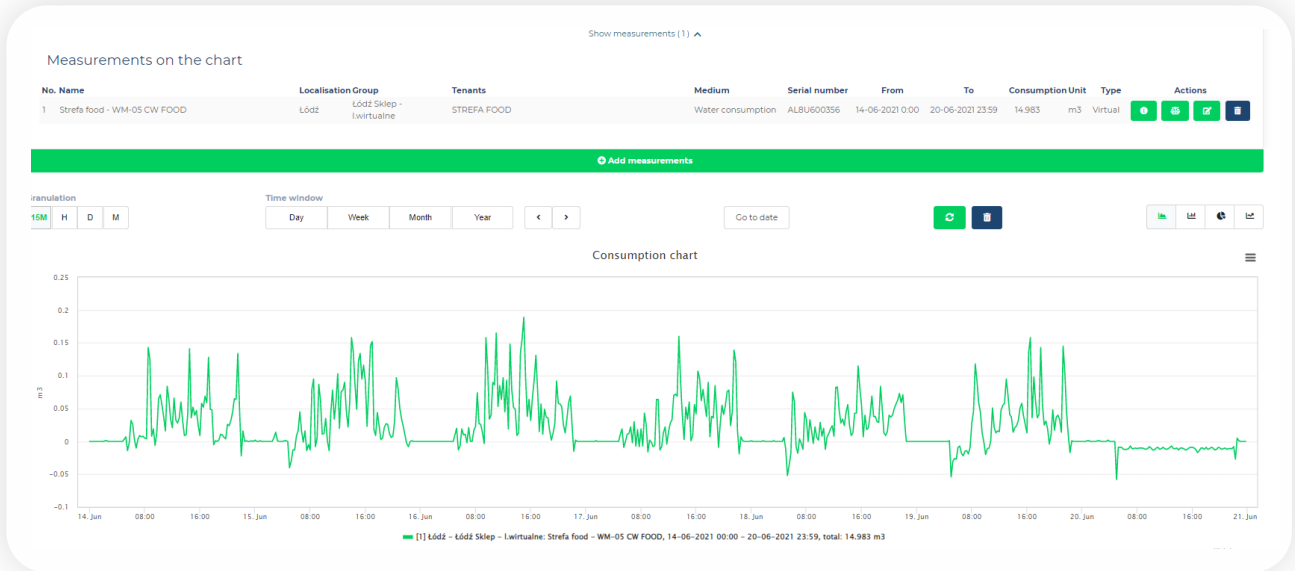office@rhino.energy
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## What does a sudden drop on the incremental chart mean?

A sudden drop on the incremental chart may mean that the battery of the metering device has run out. This should be reported to the building maintenance team, or directly to support@rhino.energy.
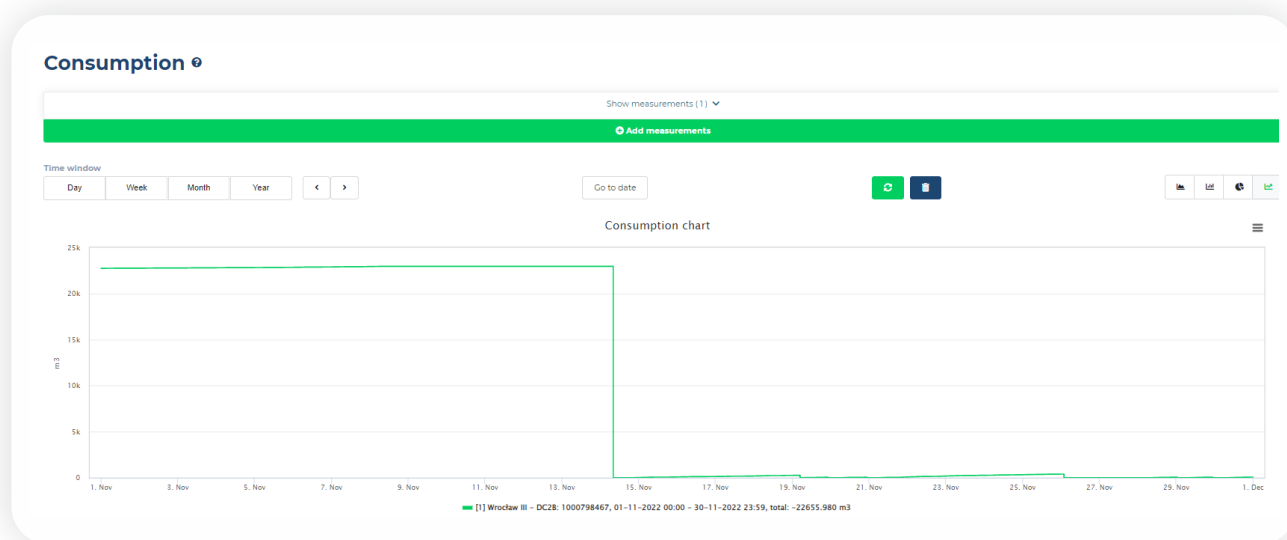


## What do negative values on the incremental chart mean? What are "saw-shaped" charts?

In the case of virtual meters containing more than one metering point (e.g. sum or difference), the consumption chart and the consumption profile chart may show negative values for the 15-minute and hourly time intervals. The consumption profiles for these meters look like "saws," with negative consumption values alternating with positive ones. This is caused by the fact that the system collects readings with different timestamps and at different frequencies. The following screenshot presents an example of this phenomenon. (Food zone – Hot Water – Canteen and Customer Zone – CW – Customers' toilets (ground floor))

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# RHINO

## Consumption ❓



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Additionally, in the case of the Food zone meter WM-05 CW FOOD, what matters is the pulse value (the pulse weight) of the virtual meter. If the impulsing of the master meter is different than that of the subordinate meters, than a short interval (15-minute) chart may show distorted data.

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