

Reports

The Reports tab contains a list of tabular summaries that can be generated in order to analyse utility consumption and utility prices. You can generate the following types of reports:

- 1 Consumption report
- 2 Profile report
- 3 Simplified consumption report
- 4 Capacity charge PL

After selecting the report type, you will obtain access to the predefined reports with the possibility to edit them, download them, send them as an e-mail, delete them or create a new one. Reports can also be sent automatically by e-mail at a predefined frequency, e.g. on the first day of the month.

Reports view

The screenshot shows the 'Reports' section of the RHINO platform. The interface includes a sidebar with navigation options like 'Dashboards', 'Analysis and reports', and 'Reports'. The main area displays a table of reports with columns for 'Report name', 'Type', 'Period', 'Granulation', and 'Active'. A search bar and filter dropdowns are at the top. Action buttons (Create, Edit, Download, Delete) are visible for each report. Red callouts 1-4 highlight specific features: 1 points to the 'Reports' tab, 2 to a report row, 3 to the action buttons, and 4 to the 'Create consumption report' button.

Report name	Type	Period	Granulation	Active	Actions
Consumption report	One-time	Select	Select	Select	[Create] [Edit] [Download] [Delete]
One-time consumption report - 02-12-2022 11:55	One-time	Select	Select	Select	[Create] [Edit] [Download] [Delete]
Periodic consumption report - 02-10-2022 10:53	Periodic	Daily	Select	Select	[Create] [Edit] [Download] [Delete]

- 1 Report type
- 2 List of predefined reports of the selected type
- 3 Action buttons: Edit | Download | Delete
- 4 Generate a new report button

Got questions?
Contact us!

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Consumption report

The consumption report shows the use of a particular utility over a selected period at one of the four intervals:

- 15 min
- 1 hour
- 1 day
- 1 month

For example, by selecting the 1 month interval for the period of one year, you will receive 12 values representing monthly consumptions for a selected meter. Any number of meters can be included in one report.

The report can be downloaded directly from the application in the form of an Excel file, sent by e-mail or saved as a periodic report, in which case the report will be sent to the indicated e-mail addresses with a user-defined frequency, e.g. on the first day of the month.

HOW TO USE: To generate a new report, select the **Consumption reports report** type in the **Reports** tab and then click the **Create consumption report** button.

The screenshot shows the 'Create consumption report' form with the following elements and callouts:

- 1**: Radio buttons for 'One-time report' (selected) and 'Periodic report'.
- 2**: 'Report name' input field containing 'One-time consumption report - 02-12-2022 11:54'.
- 3**: 'Date range' input field containing '01-11-2022 0:00 - 30-11-2022 23:59'.
- 4**: 'Granulation' buttons: '15 Minutes', 'Hourly', 'Daily', 'Monthly'.
- 5**: 'Add Measurements' button at the bottom.
- 6**: 'Recipient's email address' input field with an '+ Add' button.
- 7**: Action buttons: 'X Cancel', 'Send', 'Download', '+ Save'.
- 8**: 'Show measurements (0)' dropdown menu.

- 1 Select a one-off report or regularly emailed reports (periodic reports)
- 2 Enter the name of the report
- 3 Select the time frame for the report
- 4 Select reading intervals

- 5 Add the meters you want to be included in the report
- 6 (Optional) Enter the email address to which you want the report to be sent
- 7 Download the report, save it in the system or send it to the indicated email address
- 8 (Optional) Show selected meters

EXAMPLE: A consumption report was selected for the period of 03.2020 - 02.2021, with monthly intervals. In the report, each column corresponds to one of the meters selected for analysis. The subsequent rows show information about the location and group in which the meter is to be found as well as the name, serial number, utility, unit and multiplier of each meter. The "Total consumption" line shows total consumption recorded on the meter within the selected time frame. This report shows all individual consumption values calculated for the selected intervals.

Report Type	Consumption report				
Generated date	2022-12-02 11:03				
Test period	2022-01-01 00:00 - 2022-10-31 23:59				
Location	Blonie	Blonie	Blonie	Blonie	Blonie
Group	DC1	DC1	DC1	DC1	DC1
Tenant					
Meter Name	1817321075	AY00084	AQ00380	68560890	40022563
Meter SN	1817321075	AY00084	AQ00380	68560890	40022563
Medium	Active energy received	Active energy received	Active energy received	Gas consumption	Water consumption
Unit	kWh	kWh	kWh	m3	m3
Factor	1.000	1.000	1.000	1.000	1.000
Total consumption	111,644.469	4,077.200	17,129.088	668.173	17.750
2022-01	12,282.219	945.273	1,891.064	232.573	
2022-02	9,066.156	720.654	1,772.074	173.300	0.030
2022-03	7,161.562	539.313	1,849.231	169.380	0.040
2022-04	8,096.031	227.242	1,769.500	72.120	1.270
2022-05	8,841.375	249.770	1,840.417	0.000	3.080
2022-06	16,813.250	211.854	1,741.479	0.000	2.290
2022-07	16,492.875	217.014	1,621.232	0.000	1.906
2022-08	18,689.375	230.069	1,584.224	0.000	2.184
2022-09	9,510.688	246.563	1,499.050	20.800	3.350
2022-10	4,689.625	489.395	1,560.300	0.000	3.410

Consumption report

The simplified consumption report shows meter readings and consumption within the user-selected time frame. It is best used for a simple presentation of consumption values for a large number of meters. It contains essential information needed for cost and utility billing. The report can be directly downloaded as an Excel file, sent by email or saved as a periodic report – in that case it will be sent to assigned email addresses with user-defined frequency, e.g. on the first day of every month. Periodic reports are generated by the system on the first night directly after the lapse of the report period.

HOW TO USE: To generate a new report, select the **Simplified consumption reports** in the **Reports** tab and click **Create simplified consumption report** button.

The screenshot shows a web form titled "Create simplified consumption report". At the top, there are two tabs: "One-time report" (selected) and "Periodic report". Below the tabs are several input fields and buttons:

- 1**: A radio button to select between "One-time report" and "Periodic report".
- 2**: A text input field for "Report name" with the value "One-time simplified consumption report - 02-12-2022 12:09".
- 3**: A date range input field with the value "02-11-2022 0:00 - 30-11-2022 23:59".
- 4**: A green button labeled "Add Measurements" at the bottom of the form.
- 5**: A text input field for "Recipient's email address" with a "+ Add" button to its right.
- 6**: A row of four buttons: "Cancel", "Send", "Download", and "Save".
- 7**: A dropdown menu labeled "Show measurements (0)" with a downward arrow.

- 1** Select a one-off report or a periodic report to be sent by email
- 2** Enter the report name
- 3** Select the time range for the report
- 4** Add meters to be included in the report
- 5** (Optional) Enter the email address to which to send the report
- 6** Download the report, save it in the system or email it to the indicated email address
- 7** (Optional) Show selected meters

EXAMPLE: The simplest way to obtain information on total consumption within a selected time frame is to generate a simplified consumption report. For example, to check the consumption recorded on the four meters shown in the table below in March 2021, a simplified consumption report was downloaded for the period starting at 23:45 hours on the last day of the previous month and ending at 00:00 hours on the first day of the following month (To ensure precision of the calculations, always add fifteen minutes before the assigned period (one reading prior).

The report contains all the basic information on the selected meters and the first and last reading within the selected time frame, along with the date and time of the reading. The “Total consumption” column shows total consumption on the meters, calculated as the difference between the above mentioned readings.

Report Type	Simplified consumption report											
Generated date	2022-12-02 11:15											
Test period	2022-11-01 00:00 - 2022-11-30 23:59											
Location	Group	Tenant	Meter Name	Meter SN	Medium	Unit	Factor	Total consumption	From	First meter reading	To	Last meter reading
Blonie	DC1	[REDACTED]	0719153086	0719153086	Active energy received	kWh	1.000	253.000	2022-11-01 00:00	21,342.900	2022-11-30 23:58	21,395.900
Blonie	DC1	[REDACTED]	1817321075	1817321075	Active energy received	kWh	1.000	4,567.813	2022-11-01 00:00	590,093.125	2022-11-30 23:45	594,660.938
Blonie	DC1	[REDACTED]	AQ00380	AQ00380	Active energy received	kWh	1.000	1,752.170	2022-11-01 00:00	90,440.807	2022-11-30 23:58	92,192.977
Blonie	DC1	[REDACTED]	68560890	68560890	Gas consumption	m3	1.000	100.000	2022-11-01 00:14	10,040.900	2022-11-30 23:45	10,140.900