Analysis and reporting module



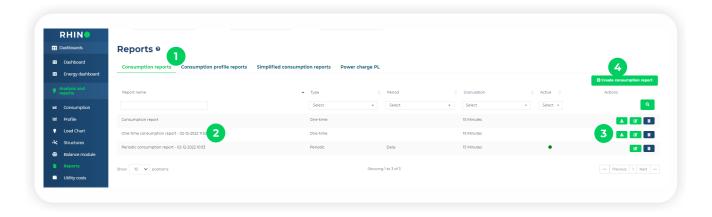
## **Reports**

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
- Simplified consumption report
- 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**



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

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## **Consumption report**

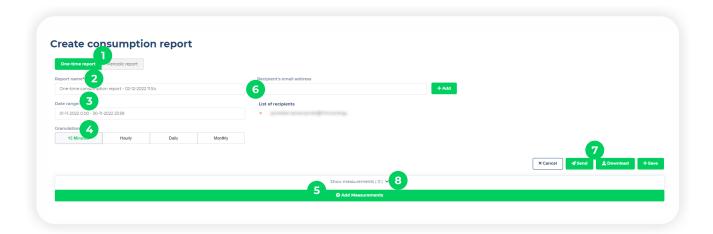
The consumption report shows the use of a particular utility over a selected period at one of the four intervals:

#### • 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.



- 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

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- 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
- (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 - 202	2-10-31 23:59					
Location	cation Bronie		nie Błonie		Błonie	Błonie	
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		-,		0.030	
2022-03		7,161.562		_,	169.380	0.040	
2022-04		8,096.031			72.120	1.270	
2022-05	1	8,841.375	249.770		0.000	3.080	
2022-06	i	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	

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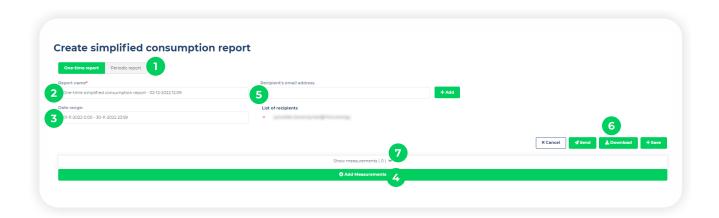


## **Consumption report**

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.



- 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

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**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		From	First meter reading		Last meter reading
Błonie	DC1	MINTE POLINE TREES	0719153086	0719153086	Active energy received	kWh	1.000	253.000	2022-11-01 00:00	21,342.900	2022-11-30 23:58	21,595.900
Błonie	DC1	MANUFER PERSON	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
Błonie	DC1	16579. PSLSNA TRESS	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
Błonie	DC1	6079. POLISA TRESS	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