

Lexgate

Datasheet - v4.0

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General information

With Lexgate you manage and organize all your metering projects in one place. You monitor all consumption data and create consumption bills at the push of a button. Lexgate is suitable for any size of project and does not require installation or maintenance. Investments and fixed costs in expensive IT infrastructure as well as its maintenance and backup are not necessary with Lexgate. With Lexgate you can start immediately. Thanks to its fully comprehensive interfaces, Lexgate can be integrated quickly and to any extent into existing systems.

Customer benefits

- Complete digitalization of the energy metering, energy optimization and consumption billing process.
- Meter failure detection guarantees correct metering data and energy billing.
- Generation of complete consumption bills according to VEWA.
- Numerous ERP export and import functions.
- Invoice generation with QR Code payment slip (Swiss standard as of July 2020).
- Access to energy statistics for residents or third parties.
- Scalable in terms of projects, meters and users.
- Google provides the highly available infrastructure in a secure data center in Zurich.

Advantages

- No IT investments, no installation costs. You start right away.
- Manage all metering projects clearly in one place.
- No basic license fee thanks to transparent license model per data point used.
- State-of-the-art WebApp technology. No installation on PC, mobile or tablet.
- You always work automatically with the latest Lexgate software version.
- Supports all standard metering devices.
- Complete interfaces for Lexgate feature integration in ERPs, websites and other IT systems.
- Comprehensive and easy to use user and permission management.

Features

With Lexgate, you can manage and organize all your energy metering and consumption billing projects in one place. Lexgate is the digital solution from energy metering and energy optimization to the final consumption bill.

Project Management

You manage any number of projects in the project management. Since the individual projects are set up independently of each other, you can define the permissions of the for the projects in your team. The project management module provides the following features:

Metering

In the metering project area, you define one or more sources that transmit the meter values to Lexgate. Sources can be servers, controllers, PLCs, meters or bus gateways, which transmit the meter data via secure protocols.

In the meter unit and tariff administration, you enter and manage the meters of the project and define which units of the meters you want to measure.

You can also get the meter data retroactively from the data transmitted by the sources anytime earlier.

You then add the created meters to the respective project group structure. In this structure, you can adjust the permissions, for example to give the tenant of an apartment the specific permission he needs to analyze the energy consumption of his apartment.

Thanks to the integrated monitoring and the corresponding log, you have control over the meter infrastructure at all times.

Accounting

In the accounting project area, you map your project in the desired cost center structure. Thanks to the contract feature with which you assign contacts to the the cost centers, you can create consumption bills, consumption receipts and other documents within seconds.

Documents accounting

Meiringen, Schulhaus... X DOCUMENTS ACCOUNTING

Metering Consumption Bill Billing period 2019 Template Verbrauchsabrechnung

Accounting 3860-Schulhausgasse1 Sender Beispiel Verwaltung 1 Consumption period from contracts

GENERATE

Provider	Wärmeerzeugung (Heizung, Warmwasser)		Wärmeerzeugung (Heizung, Warmwasser)		Warmwasser (Altbau + Neubau)		Warmwasser (Altbau + Neubau)		Heizung Wohnungen & Laden Altbau		Heizung Wohnungen & Laden Altbau		Heizung Wohnungen Altbau		Warmwasser Wohnungen Altbau		Heizung Wohnungen Neubau		Heizung Wohnungen Neubau		Total
	Type	a	d	a	d	a	d	a	d	a	a	a	a	d	a	d	a	d			
Ratio	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	1	1	0.3	0.7									
Contract	Cost centre																				
<input checked="" type="checkbox"/>	Fitnesscenter (1/1/2019 - 12/31/2019)	1960-03 UG (Fitness)	2,438.45	2,867.52	448.32	1,594.46															CHF 7,348.76
<input checked="" type="checkbox"/>	BEKB BCBE (1/1/2019 - 12/31/2019)	1960-04 EG+1.OG (Bank)	218.84	1,042.38	2,385.97																CHF 3,647.18
<input type="checkbox"/>	Gschenk Budligg	1960-06 EG (Bank)																			CHF 1,860.00

If you want to create the corresponding documents in another software, for example in an ERP, Lexgate offers the possibility to retrieve the meter data via conventional file and real-time API interfaces.

Beispiel Verwaltung 1
Sonnrain 99
1111 Sonnhalde

Beispiel Mieter 2
Sonnrain 1
1111 Sonnhalde

Datum: 19.10.2019
Dokument-ID: 8jM6gol

Objekt: Haus Milbach - 2.OG Nord
Verbrauchsperiode: 01.07.2018 - 30.06.2019
Abrechnungsperiode: 01.07.2018 - 30.06.2019

Energie- und Nebenkosten

Kostenart	Verhältnis	Kosten (CHF)	Berechnungsgrundlage	Anteil	Betrag (CHF)
Haus Milbach - Allgemein	1	665.83	7 Anteil(e)	1 Anteil(e)	95.12
Haus Milbach - Warmwasser	0.7	431.17	36.98 m³	25.14 m³	293.05
Haus Milbach - Warmwasser	0.3	184.79	708.75 m²	125.75 m²	32.79
Velo- und Skiraum (Alp- und Milbach)	1	106.37	13 Anteil(e)	1 Anteil(e)	8.18
Haus Milbach - Heizung	0.7	1'698.26	15'746 kWh	4'628 kWh	499.15
Haus Milbach - Heizung	0.3	727.83	808.75 m²	125.75 m²	113.17
Elektro-ZEV - Zählermiete	1	1'512.00	17 Zähler	1 Zähler	88.94
Elektrische Energie ZEV- Einheitstarif	1	0.19	per kWh	1'674.19 kWh	318.10
Elektro, Heizung, Warmwasser - Ablesung und Abrechnung	1	434.00	46 Datenpunkt(e)	3 Datenpunkt(e)	28.30
Total					1'476.80
Akonto					0.00
Saldo					1'476.80

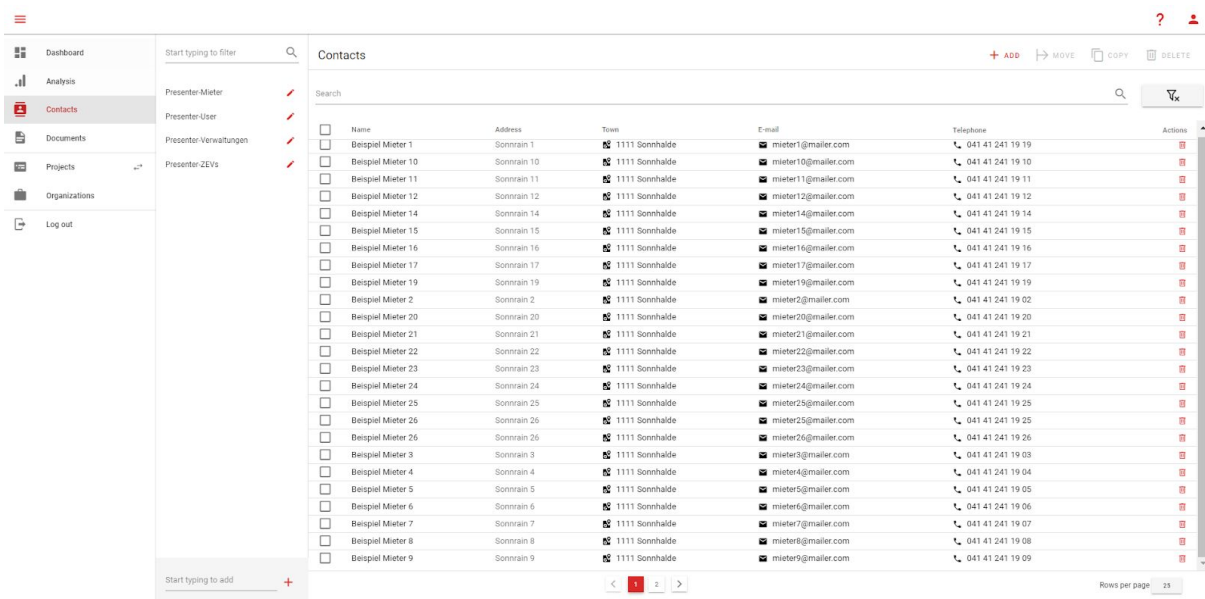
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Document management

With the integrated document management, the organisation of energy bills and consumption reports is very easy. The user administration offers the possibility to adjust the permissions of the document folders.

Contact management

Via contact management you can organize thousands of contacts. You have the option of grouping the contacts in address books and adjusting the permissions to the address books as required.

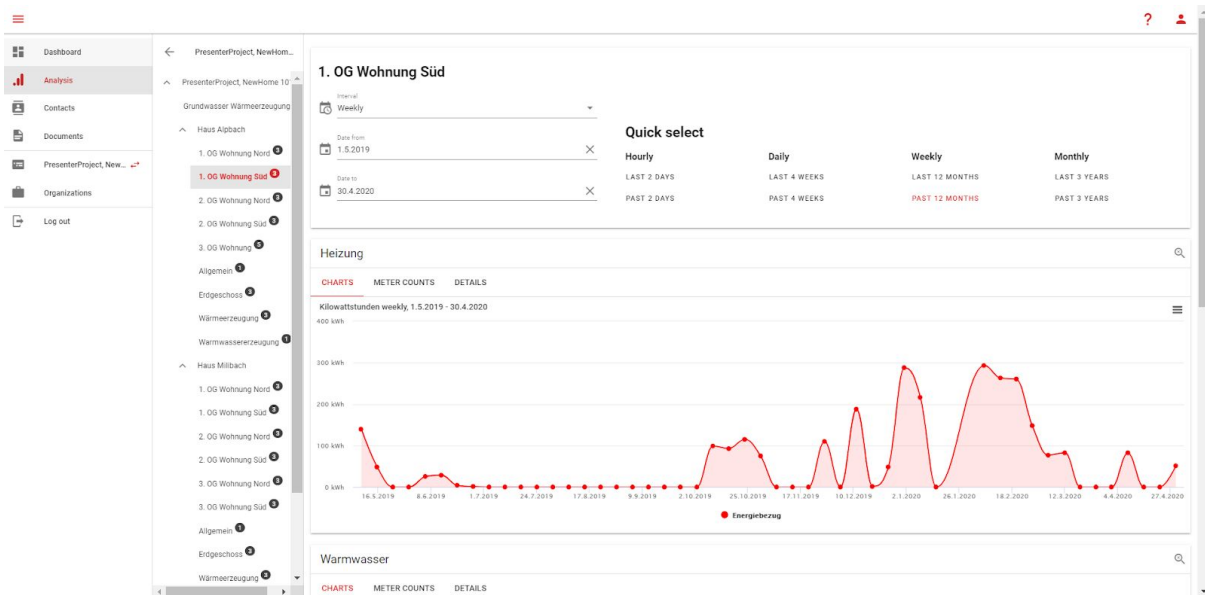


The screenshot displays a web-based contact management interface. On the left is a navigation sidebar with options: Dashboard, Analysis, Contacts (highlighted), Documents, Projects, Organizations, and Log out. The main area is titled 'Contacts' and includes a search bar and a table of contact records. The table has columns for Name, Address, Town, E-mail, Telephone, and Actions. The data rows list contacts from 'Beispiel Mieter 1' to 'Beispiel Mieter 26', 'Beispiel Mieter 3' through 'Beispiel Mieter 9', and 'Beispiel Mieter 2' through 'Beispiel Mieter 9'. Each row includes a checkbox, a red edit icon, and a red delete icon. At the bottom right, it shows 'Rows per page 25'.

Name	Address	Town	E-mail	Telephone	Actions
<input type="checkbox"/> Beispiel Mieter 1	Sonnrain 1	1111 Sonnhalde	mieter1@mail.com	041 41 241 19 19	
<input type="checkbox"/> Beispiel Mieter 10	Sonnrain 10	1111 Sonnhalde	mieter10@mail.com	041 41 241 19 10	
<input type="checkbox"/> Beispiel Mieter 11	Sonnrain 11	1111 Sonnhalde	mieter11@mail.com	041 41 241 19 11	
<input type="checkbox"/> Beispiel Mieter 12	Sonnrain 12	1111 Sonnhalde	mieter12@mail.com	041 41 241 19 12	
<input type="checkbox"/> Beispiel Mieter 14	Sonnrain 14	1111 Sonnhalde	mieter14@mail.com	041 41 241 19 14	
<input type="checkbox"/> Beispiel Mieter 15	Sonnrain 15	1111 Sonnhalde	mieter15@mail.com	041 41 241 19 15	
<input type="checkbox"/> Beispiel Mieter 16	Sonnrain 16	1111 Sonnhalde	mieter16@mail.com	041 41 241 19 16	
<input type="checkbox"/> Beispiel Mieter 17	Sonnrain 17	1111 Sonnhalde	mieter17@mail.com	041 41 241 19 17	
<input type="checkbox"/> Beispiel Mieter 19	Sonnrain 19	1111 Sonnhalde	mieter19@mail.com	041 41 241 19 19	
<input type="checkbox"/> Beispiel Mieter 2	Sonnrain 2	1111 Sonnhalde	mieter2@mail.com	041 41 241 19 02	
<input type="checkbox"/> Beispiel Mieter 20	Sonnrain 20	1111 Sonnhalde	mieter20@mail.com	041 41 241 19 20	
<input type="checkbox"/> Beispiel Mieter 21	Sonnrain 21	1111 Sonnhalde	mieter21@mail.com	041 41 241 19 21	
<input type="checkbox"/> Beispiel Mieter 22	Sonnrain 22	1111 Sonnhalde	mieter22@mail.com	041 41 241 19 22	
<input type="checkbox"/> Beispiel Mieter 23	Sonnrain 23	1111 Sonnhalde	mieter23@mail.com	041 41 241 19 23	
<input type="checkbox"/> Beispiel Mieter 24	Sonnrain 24	1111 Sonnhalde	mieter24@mail.com	041 41 241 19 24	
<input type="checkbox"/> Beispiel Mieter 25	Sonnrain 25	1111 Sonnhalde	mieter25@mail.com	041 41 241 19 25	
<input type="checkbox"/> Beispiel Mieter 26	Sonnrain 26	1111 Sonnhalde	mieter26@mail.com	041 41 241 19 26	
<input type="checkbox"/> Beispiel Mieter 3	Sonnrain 3	1111 Sonnhalde	mieter3@mail.com	041 41 241 19 03	
<input type="checkbox"/> Beispiel Mieter 4	Sonnrain 4	1111 Sonnhalde	mieter4@mail.com	041 41 241 19 04	
<input type="checkbox"/> Beispiel Mieter 5	Sonnrain 5	1111 Sonnhalde	mieter5@mail.com	041 41 241 19 05	
<input type="checkbox"/> Beispiel Mieter 6	Sonnrain 6	1111 Sonnhalde	mieter6@mail.com	041 41 241 19 06	
<input type="checkbox"/> Beispiel Mieter 7	Sonnrain 7	1111 Sonnhalde	mieter7@mail.com	041 41 241 19 07	
<input type="checkbox"/> Beispiel Mieter 8	Sonnrain 8	1111 Sonnhalde	mieter8@mail.com	041 41 241 19 08	
<input type="checkbox"/> Beispiel Mieter 9	Sonnrain 9	1111 Sonnhalde	mieter9@mail.com	041 41 241 19 09	

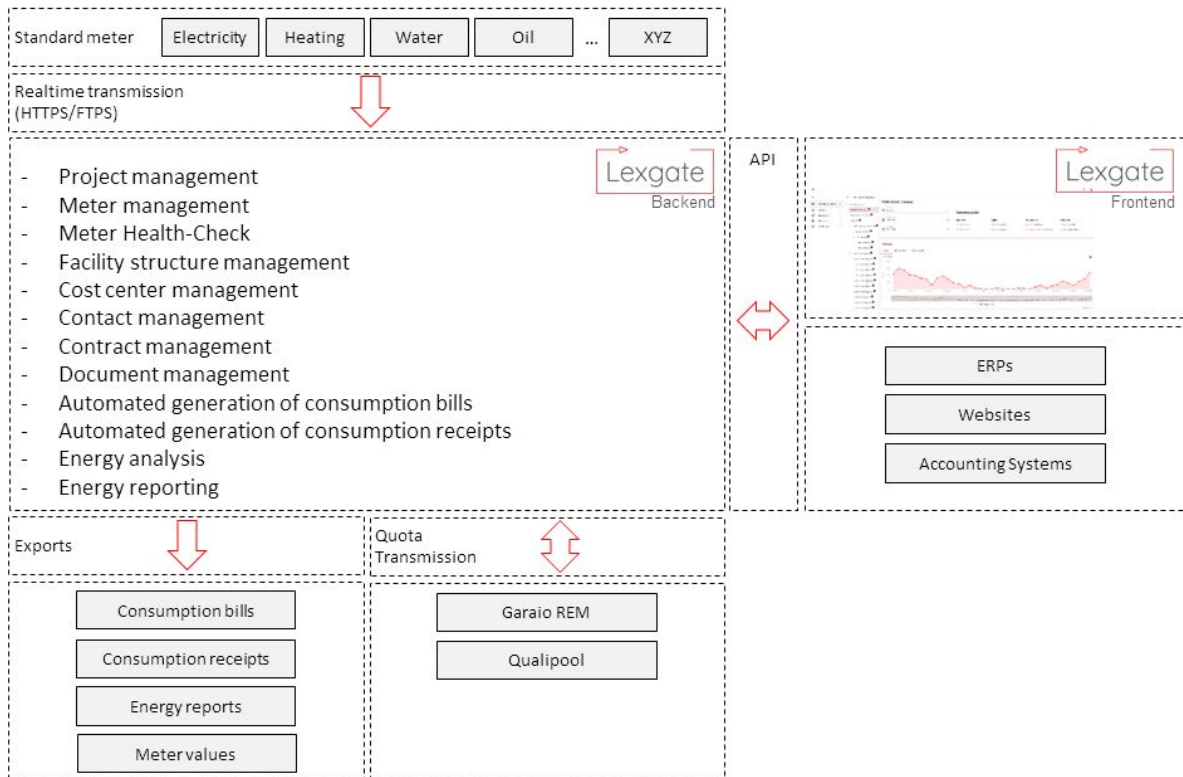
Analysis

The comprehensive analysis function displays your projects and the metering data in the preferred structure. You can analyze your data using intuitive, predefined functions or export them as CSV, PNG or PDF.



Architecture

Lexgate is a web-based solution with numerous standard interfaces for importing meter data and exporting consumption data.



Lexgate API

Lexgate has a documented API (Application Programmable Interface). Therefore Lexgate can be integrated into any existing IT architecture. The documentation of the API can be found under: <https://docs.lexgate.ch/api/index.html>

Import Interfaces

Lexgate interface	Description	File	Upload intervall	Lexgate Parsing for units
FTP(S)	FTP login which can be automatically generated.	Upload any formatted text file	Recommendation every full hour (NTP synchronisation to gateway is advantageous) Other intervals possible on request.	JsonPath XPath Regex
HTTP(S)	HTTP login which can be automatically generated.	Upload any formatted text file	Recommendation every full hour (NTP synchronisation to gateway is advantageous) Other intervals possible on request.	JsonPath XPath Regex

Export Interfaces

Lexgate interface	Description	File
Interactive statistics	One interactive statistic per meter for the analysis of the consumption values.	pdf, png and jpg export of statistics
CSV	Per counter CSV exports in freely selectable time sequence or all values.	CSV
DTA-VHKA - Qualipool	Export for consumption shares per cost center for Qualipool compatible real estate programs	DTA-VHKA - Qualipool
DTA-VHKA - REM	Export for consumption shares per cost center for REM compatible real estate programs	DTA-VHKA - REM
Consumption receipt	Consumption values per configured customer and cost centre based on the consumption values of any key dates.	pdf by email and archived on Lexgate.
Consumption bill	Complete consumption bill per configured customer and cost centre based on the consumption values of any key dates under consideration of payments on account.	pdf by email and archived on Lexgate.

Lextira Partners

If you require specific support or need a contact person to implement a complete metering solution, please contact your Lextira partner.