



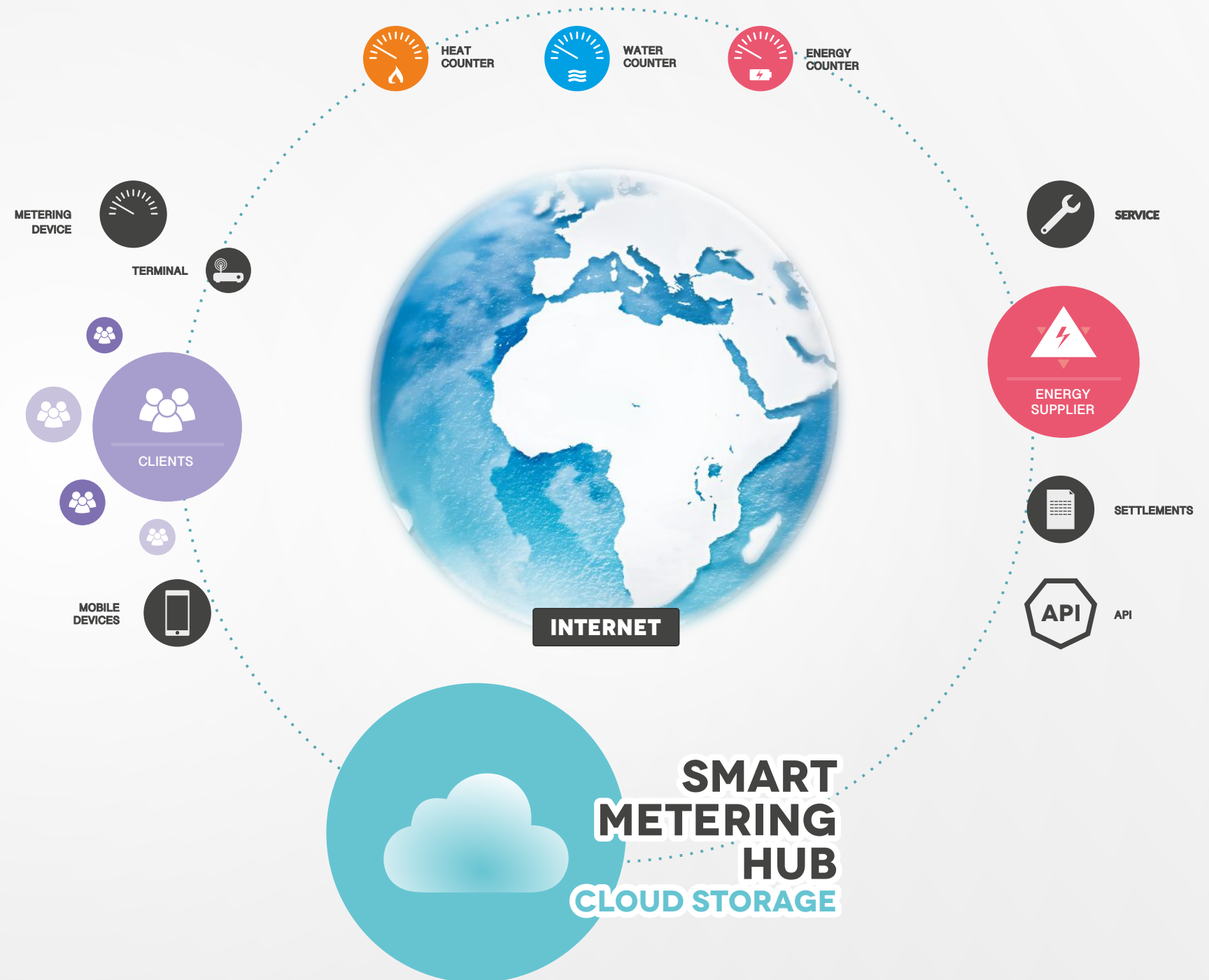
SMART METERING HUB

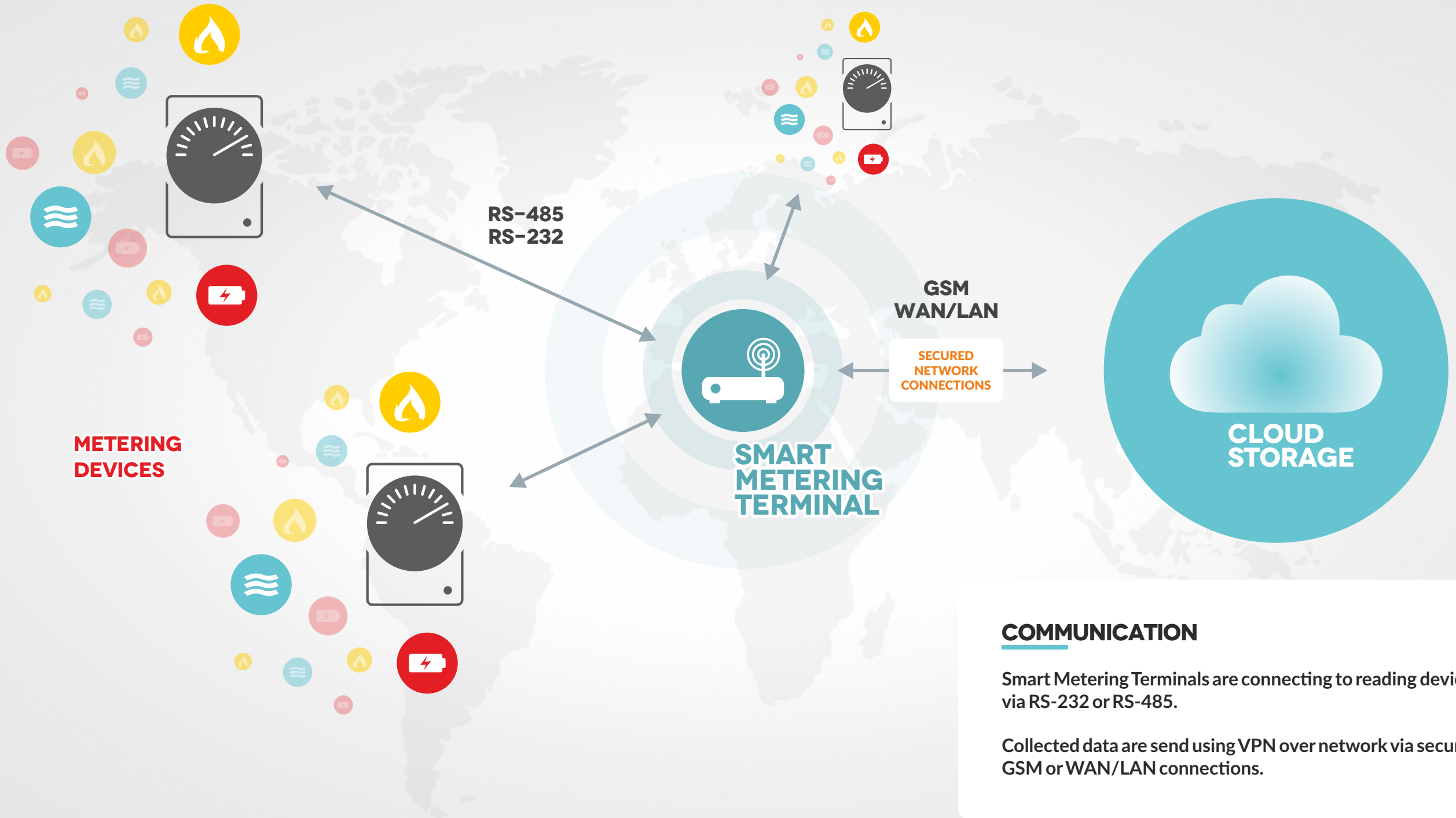
SMART METERING HUB

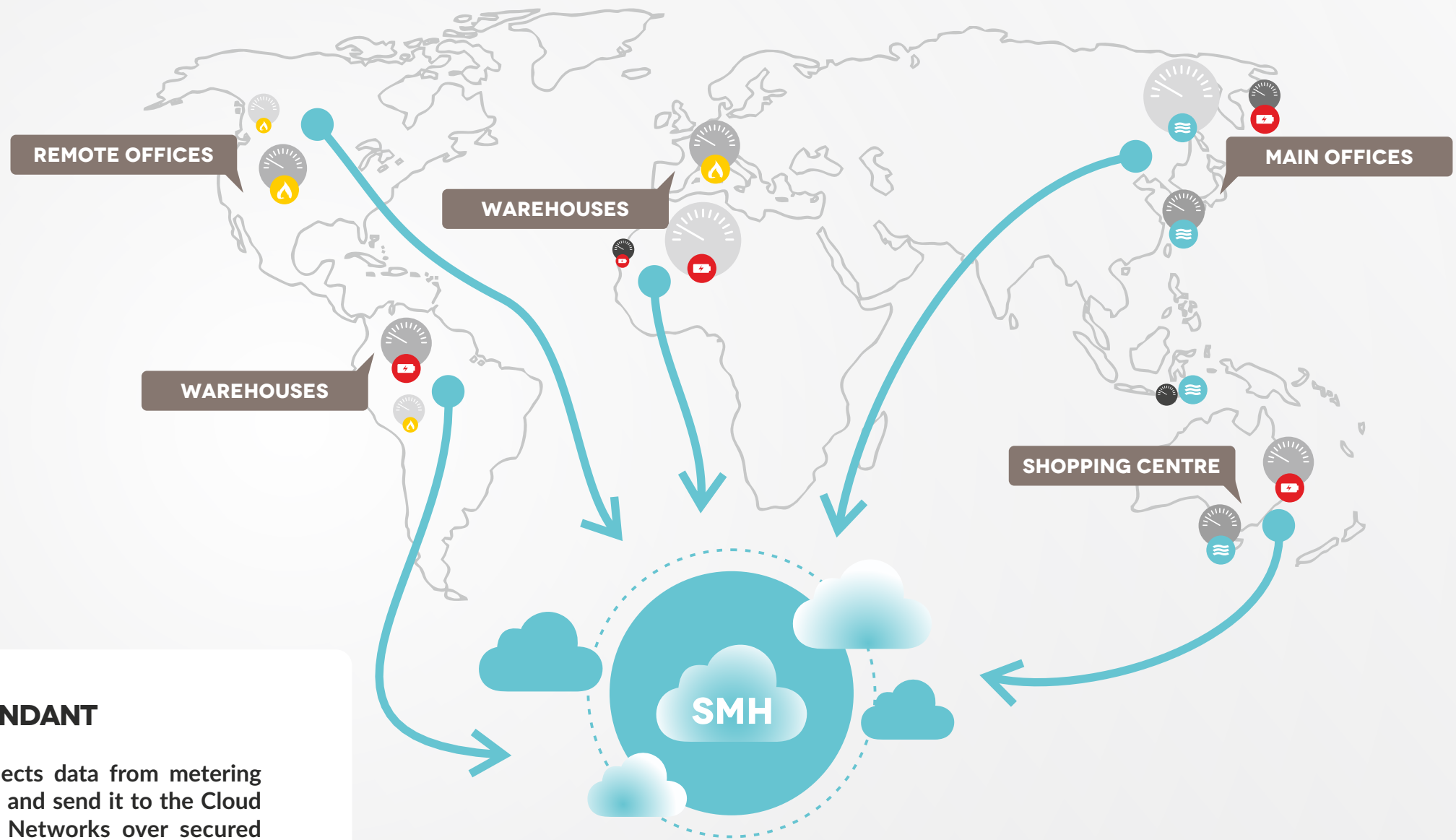
Advanced cloud solution available as Software as Service made for monitoring and collecting reading data from various metering devices via Internet over WAN/LAN or GSM secured connections.

The solution provides modules for analyzing current energy usage, collecting metering data for the purpose of balancing market as well as various system alerts for constant metering device management.

No additional hardware is required as the client software is web based and works in web browser.







GEOLOCATION INDEPENDANT

Smart Metering Terminals collect data from metering devices anywhere in the world and send it to the Cloud Storage using Virtual Private Networks over secured connections.

The data is collected into our Cloud Storage servers.



SMART METERING APP

The Web based software is designed to remotely control and report various aspects of the cloud and all connected devices.

Since it works in web browser there is no need for any specified operating system or system configuration apart from Internet access.

Logout

Desktop / Counters / Current list

+ Add device

Export

	50280352 Landis+Gyr ZMD405	Name: Multiplier: 1.00 Validation date: Terminal: SMHT0016 / P0 (2)	KWK Boże Dary Baya Zeleńskiego 69 Katowice TP4 KWK Boże Dary Licznik podstawowy Netto OPT...	Reading: 2017-10-18 04:49:48 1.8.0: 1918238.0000 2.8.0: 7003731.0000 5.8.0: 616325.0000 8.8.0: 015797.0000	
	50280353 Landis+Gyr ZMD405	Name: Multiplier: 1.00 Validation date: Terminal: SMHT0016 / P0 (2)	KWK Boże Dary Baya Zeleńskiego 69 Katowice TP5 KWK Boże Dary Licznik podstawowy Netto OPT...	Reading: 2017-10-18 04:56:21 1.8.0: 4672302.0000 2.8.0: 7466162.0000 5.8.0: 2047828.0000 8.8.0: 002400.0000 1.6.0: 246 kW	
	5004071 EMH LZQJ-XC	Name: Multiplier: 1.00 Validation date: Terminal: SMHT0050 / P0 (4)	KWK Boże Dary Baya Zeleńskiego 69 Katowice	Reading: 2024-01-25 08:34:45 1.8.0: 004992.7810 2.8.0: 000000.0000 5.8.0: 001320.9490 8.8.0: 000451.0500 Profile: 2024-01-25 09:15:00	
	64119696 Iskra MT174	Name: Multiplier: 1.00 Validation date: Terminal: SMHN0050 / P1 (1)	Biurowiec 1 Wolności 32 Chorzów	Reading: 2024-01-10 02:02:04 1.8.0: 019747.4110 2.8.0: 000000.0000 5.8.0: 000004.9670 8.8.0: 024256.6080 1.6.0: 0 kW Profile: 2024-01-10 01:45:00	
	0000011508 Jm-Tronik JMT42L3Fn	Name: Multiplier: 1.00 Validation date: Terminal: SMHT0007 / P0 (4)	KWK Boże Dary Baya Zeleńskiego 69 Katowice	Reading: 2021-04-02 09:29:15 1.8.0: 026248.3500 2.8.0: - 5.8.0: 010275.9700 8.8.0: 000881.4800 1.6.0: 0.6997 kW Profile: 2021-04-02 09:30:00	
	66662964 Iskra MT174	Name: ISKRA MT174 Multiplier: 1.00 Validation date: Terminal: SMHT0043 / P0 (3)	garaz pokoju chorzów	Reading: No data	
	00167425 Iskra MT174	Name: Słowacki licznik TEST Multiplier: 1.00 Validation date: Terminal: SMHT0046 / P0 (3)	TEST GARAZ POKOJU 45 41-500 CHORZÓW	Reading: No data	
	00332940 Applied Meters BOC	Name: ADAM POMPA CIEPŁA Multiplier: 1.00 Validation date: Terminal: SMHT0036 / P0 (2)	Adam Osiedlowa 11 41-500 Chorzów rozdzielnia główna	Reading: 2024-08-26 07:28:14 1.8.0: 030129.4000 2.8.0: 000000.0000 5.8.0: 000168.2000 8.8.0: 005980.8000 1.6.0: 3 kW Profile: 2024-08-26 07:20:00	

Filter Clear

Device number / name

Device manufacturer / model

Statusactive

Reading statusdefault

Profile statusdefault

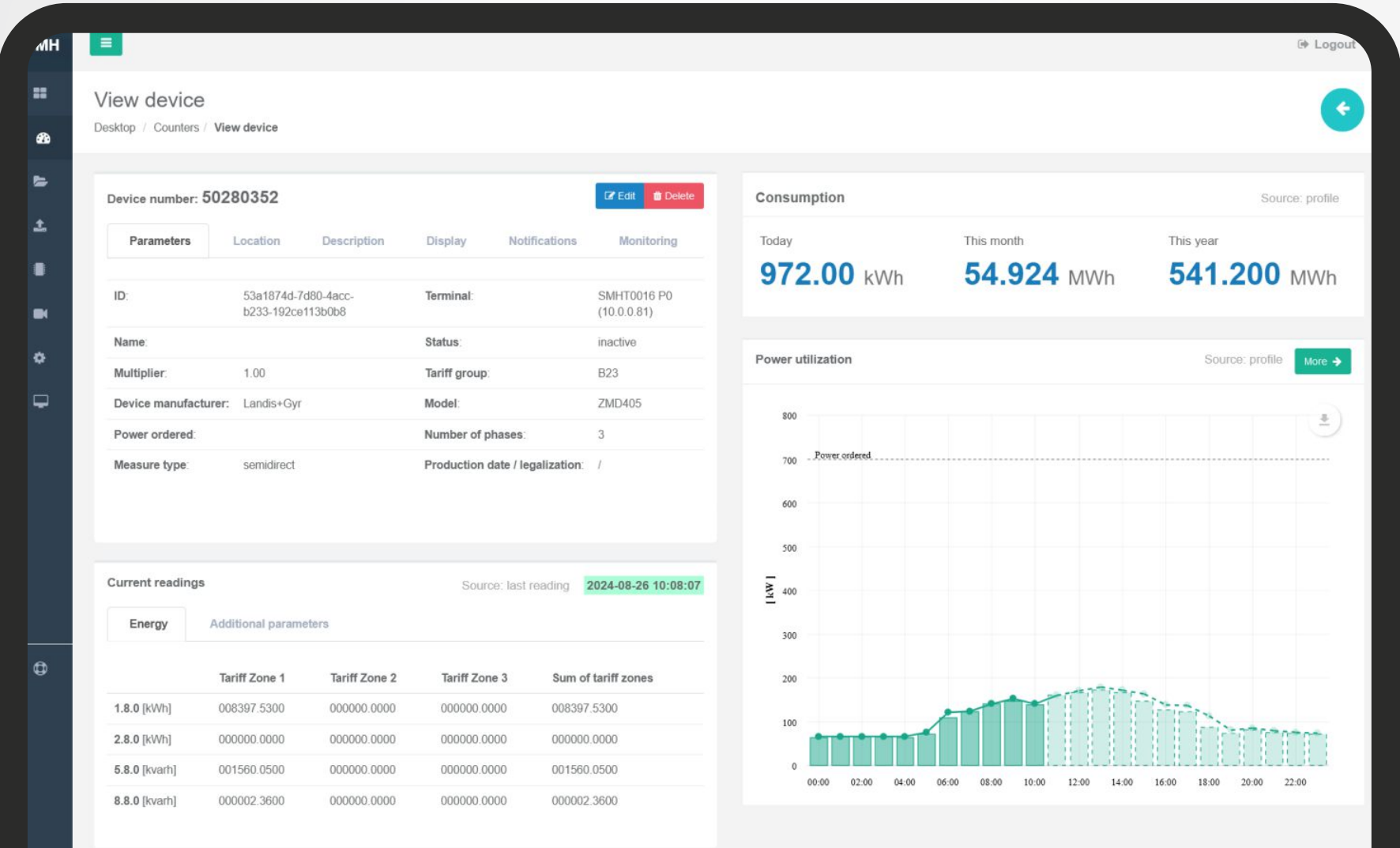
Locationall

Street

City

DETAILED DEVICE INFO

Realtime detailed information about the device with charts that shows previous 24h or span across selected periods of time.



BILLINGS

Generate summarized list of reports from metering devices on selected time.

- ✓ DEVICE STATUS
- PARAMETERS
- INSTALLATION PLACE
- SUMMARIZED DATA IN SPECIFIED TIME

Billings list provides some quick information about each device such as:

- device status
- about device parameters
- installation place
- current readings

THE LIST CAN BE FILTERED BY VARIOUS CONDITIONS AVAILABLE IN THE FILTERING AREA OF THE SCREEN AND EXPORTED IN VARIOUS FORMATS

Logout

Billing list

Desktop / Counters / Billing list

50280352

Landis+Gyr ZMD405

Reading date: 2017-09-30 23:59:59
Name:
Multiplier: 1.00
Validation date:

KWK Boże Dary
Baya Żeleńskiego 69 Katowice
TP4 KWK Boże Dary Licznik podstawowy Netto OPT...

1.8.0: 1918238.0000
2.8.0: 7003731.0000
5.8.0: 616325.0000
8.8.0: 015797.0000
1.6.0: 199 kW (2017-09-24 04:00)

50280353

Landis+Gyr ZMD405

Reading date: 2017-09-30 23:59:59
Name:
Multiplier: 1.00
Validation date:

KWK Boże Dary
Baya Żeleńskiego 69 Katowice
TP5 KWK Boże Dary Licznik podstawowy Netto OPT...

1.8.0: 4607685.0000
2.8.0: 7466162.0000
5.8.0: 2017693.0000
8.8.0: 002400.0000
1.6.0: 196 kW (2017-09-29 07:00)

5004071

EMH LZQJ-XC

Reading date: 2023-12-31 23:59:59
Name:
Multiplier: 1.00
Validation date:

KWK Boże Dary
Baya Żeleńskiego 69 Katowice

1.8.0: 004949.2260
2.8.0: 000000.0000
5.8.0: 001309.2680
8.8.0: 000450.9230
1.6.0: 0.24 kW (2023-12-18 16:15)

64119696

Iskra MT174

Reading date: 2024-01-02 08:06:59
Name:
Multiplier: 1.00
Validation date:

Biurowiec 1
Wolności 32 Chorzów

1.8.0: 019747.4110
2.8.0: 000000.0000
5.8.0: 000004.9670
8.8.0: 024255.9910
1.6.0: 0 kW (2024-01-02 08:15)

0000011508

Jm-Tronik JMT42L3Fn

Reading date: 2021-03-31 23:59:59
Name:
Multiplier: 1.00
Validation date:

KWK Boże Dary
Baya Żeleńskiego 69 Katowice

1.8.0: 026234.3600
2.8.0: -
5.8.0: 010271.0200
8.8.0: 000881.3900
1.6.0: 1.0705 kW (000001.0705)

66662964

Iskra MT174

Reading date: 2016-02-29 23:59:59
Name: ISKRA MT174
Multiplier: 1.00
Validation date:

garaz
pokoju chorzów

1.8.0: 000000.0000
2.8.0: 000000.0000

00167425

Iskra MT174

Reading date: 2016-11-17 13:59:35
Name: Słowacki licznik TEST
Multiplier: 1.00
Validation date:

TEST GARAZ
POKOJU 45 41-500 CHORZÓW

1.8.0: 000004.0000
2.8.0: 000001.1000
5.8.0: -
8.8.0: -
1.6.0: 0.01 kW (2016-10-24 14:45)

00332940

Applied Meters BOC

Reading date: 2024-07-31 23:59:59
Name: ADAM POMPA CIEPŁA
Multiplier: 1.00
Validation date:

Adam
Osiedlowa 11 41-500 Chorzów
rozdzielnia główna

1.8.0: 030060.1000
2.8.0: 000000.0000
5.8.0: 000167.0000
8.8.0: 005903.3000
1.6.0: 10.22 kW (2024-07-12 13:15)

94847208

Landis+Gyr ZMD405

Reading date: 2019-07-31 23:59:59
Name: Sobótka Zakup
Multiplier: 1.00
Validation date:

Pokoju 45
Pokoju 45 41-500 Chorzów

1.8.0: 25634518.0000
2.8.0: 000000.0000
1.6.0: 2085 kW (2019-07-15 20:30)

64119680

Reading date: 2024-07-31 23:59:59
Name: SZAFKA SERWER

TEST TERMINALI

Filter

Clear

Data per day

2024-08-26

Device number / name

Device manufacturer / model

Status

default

Location

all

Street

City



SMART METERING TERMINAL

Smart Metering Terminals handle various metering data collected from compatible devices as well as alerts and enviromental parameters. One terminal can handle multiple metering devices.

Eeach terminal and metering devices can be configured remotely.



REMOTE ACCESS



ALERTS



TWO WAY
COMMUNICATION



MULTIPLE METERING
DEVICES

Terminals list

[Desktop](#) / [Terminals](#) / **Terminals list**

	SMHT0005/P0 SMHT0005 / P0 Number: SMHT0005	garaz pokoju chorzów	SIM Number: 123	Status  2021-03-16 11:25:03	 1
	SMHT0016/P0 SMHT0016 / P0 Number:	KWK Boże Dary Baya Zeleńskiego 69 Katowice		Status  2017-10-18 11:33:54	 2
	SMHT0023/P0 SMHT0023 / P0 Number: SMHT0023	garaz pokoju chorzów	SIM Number: 123	Status  2021-03-16 11:29:58	 0
	SMHT0036/P0 SMHT0036 / P0 Number:	Adam Osiedlowa 11 41-500 Chorzów		Status  2024-08-26 07 28:09	 2
	SMHN0067/P1 SMHN0067 / P1 Number: 000000483087FC	TEST TERMINALI CHORZÓW	SIM Number: 123	Status  2020-02-03 15:10:55	 0
	SMHN0064/P1 SMHN0064 / P1 Number: 000000CB82C800	TEST TERMINALI CHORZÓW	SIM Number: 8948031721023060359	Status  2021-05-20 12:30:56	 0
	SMHN0090/P1 SMHN0090 / P1 Number: 00000000A3A5C2AF		SIM Number: 8948031721201573710	Status  2022-06-01 13:27:16	 0
	SMHN0096/P1 SMHN0096 / P1 Number: 000000005DA04438	TEST TERMINALI CHORZÓW	SIM Number: 8948031721201573801	Status  2021-10-27 13:17:12	 0
	SMHN0090/P2 SMHN0090 / P2 Number: 00000000A3A5C2AF		SIM Number: 8948031721201573710	Status  2022-06-01 13:15:20	 0
	SMHN0112/P2 SMHN0112 / P2 Number: 00000000EB863B3A		SIM Number: 123	Status  2024-02-08 07 28:30	 1

Go to: Show: 10 1 of 3

Number of items: 30

Export: Excel

Filter Clear

Terminal

Name

Serial number

Description

Status

default

Location

all

Street

City

SIM card

Serial number

TERMINALS

Displays detailed information about all Smart Metering Terminals currently available in the system



CONNECTION STATUS



PARAMETERS



INSTALLATION PLACE



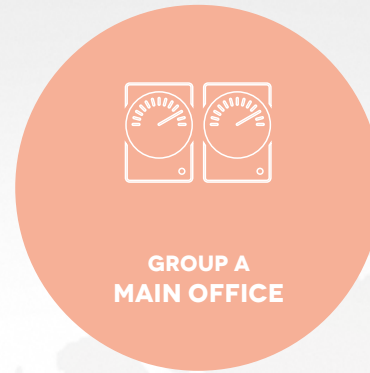
CONNECTED DEVICES

Terminals list provides some quick information about each terminal such as:

- terminal status
- terminal info
- installation place
- connection status
- connected devices

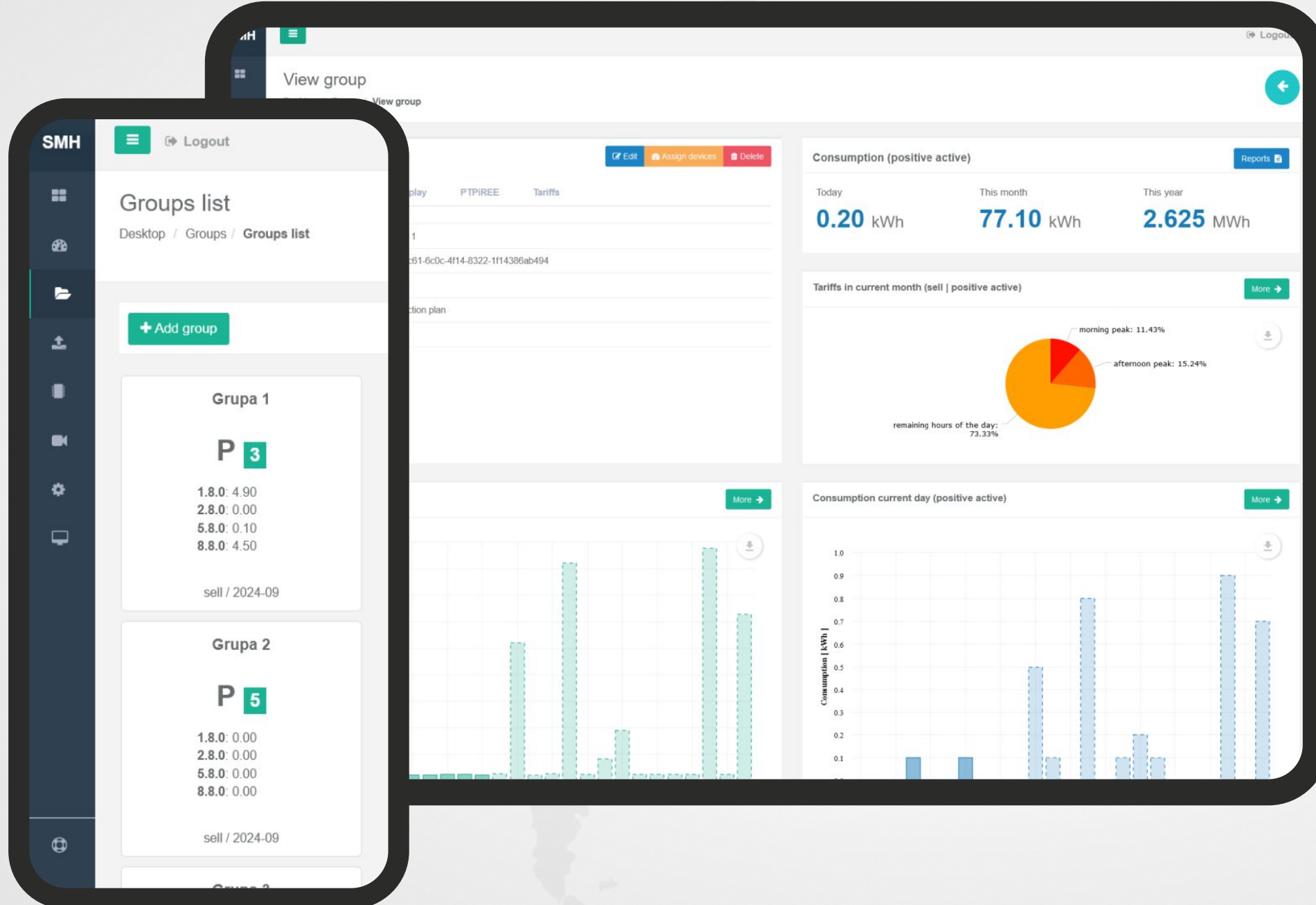
More terminals can be added to the system at any time

THE LIST CAN BE FILTERED BY VARIOUS CONDITIONS
AVAILABLE IN THE FILTERING AREA OF THE SCREEN AND
EXPORTED IN VARIOUS FORMATS



GROUPING

Assign metering devices to groups
for better managing



GROUPS

Merges selected metering devices into groups for more focused and aggregated analytics.

- CONFIGURABLE OUTPUT FILES FOR VARIOUS PARAMETERS
- SUMMARIZED INFORMATION FOR ALL DEVICES IN GROUP
- MULTIPLE DEVICES IN ONE GROUP

The list provides some quick information about each group such as:

- group name
- amount of devices
- group type

THE LIST CAN BE FILTERED BY VARIOUS CONDITIONS AVAILABLE IN THE FILTERING AREA OF THE SCREEN



ALERTS

Smart Metering Terminals can enable device watchdog that will trigger alert when some parameters exceed or go below certain pre-set values.

ALERTS

Allows for setting up and monitoring certain conditions on selected metering device.

Users can be notified about alerts via e-mail or SMS.

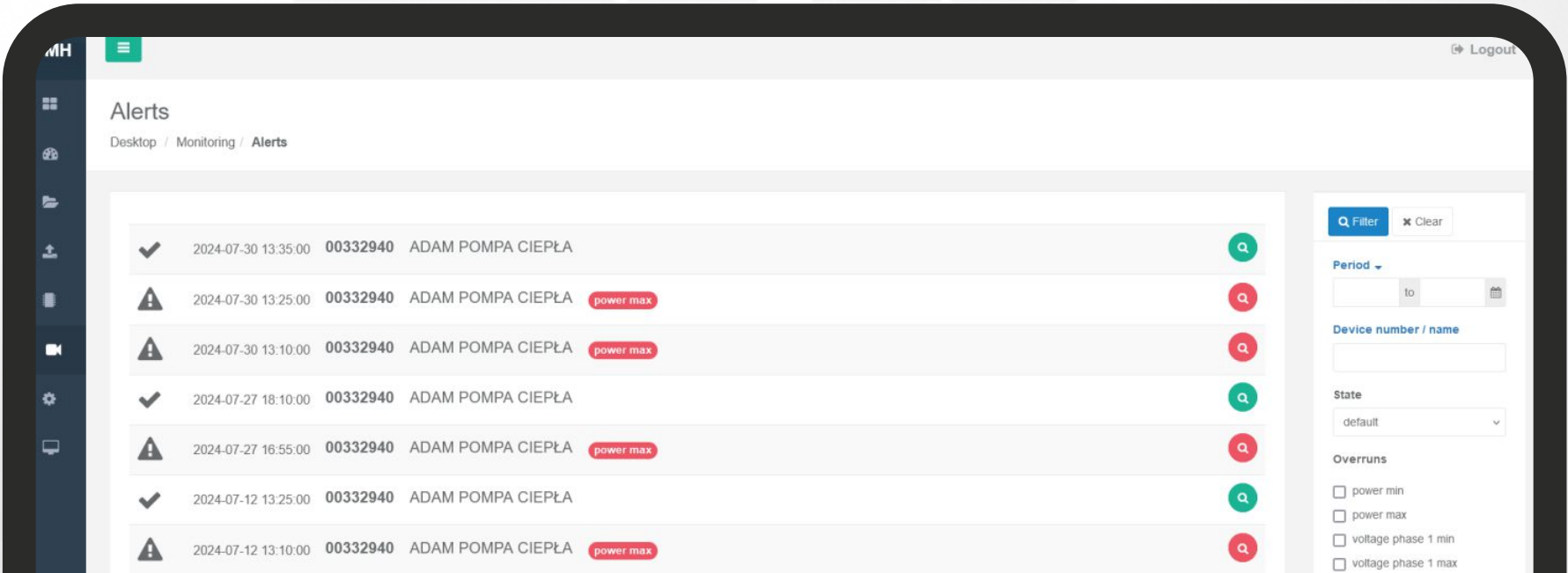
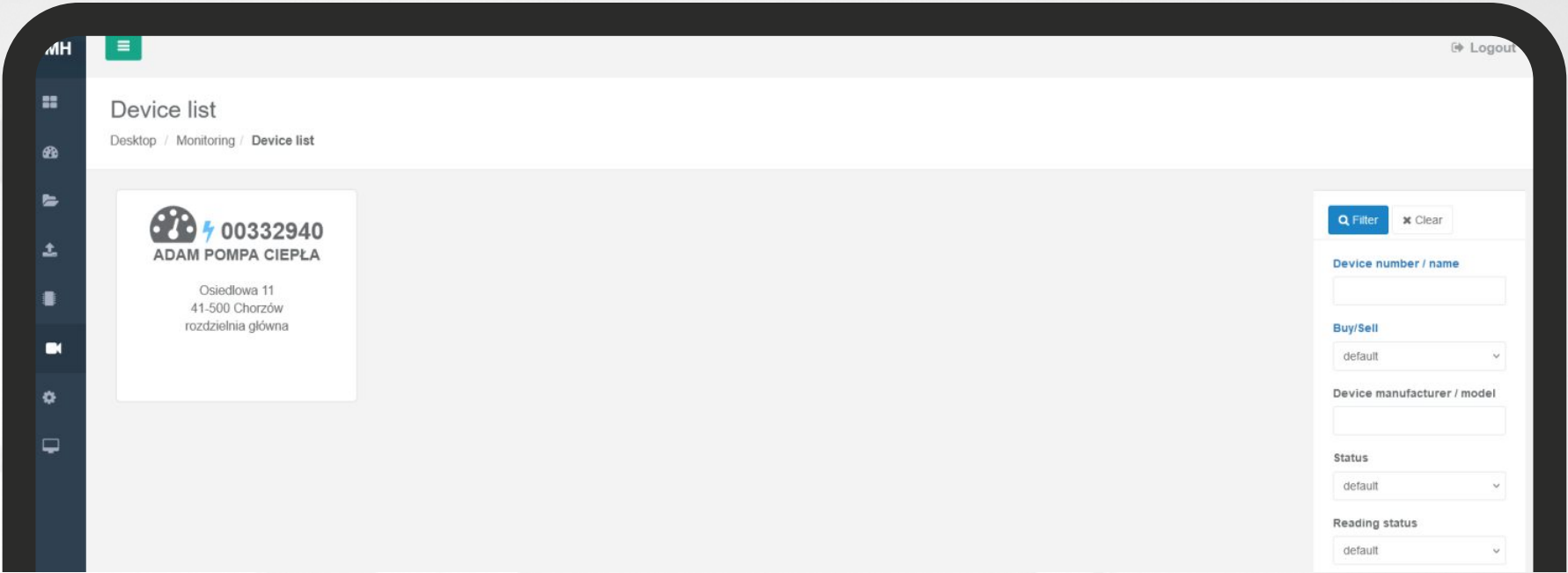
-  **VOLTAGE MIN/MAX**
-  **POWER MIN/MAX**
-  **CURRENT PHASE MIN/MAX**
-  **VIEW ALERTS PER DATE**

Device monitoring is split into two different lists. Alerts list displays all alerts that occurred in the system while device list display alerts on devices the alert occurred.

The lists provide some quick information such as:

- custom name
- device number
- time of the alert

BOTH LISTS CAN BE FILTERED BY VARIOUS CONDITIONS AVAILABLE IN THE FILTERING AREA OF THE SCREEN



DETAILED ALERT SCREEN

Displays detailed information about the device on which the alert(s) occurred.

DETAILED ALERT SCREEN

Displays detailed information about the device on which the alert(s) occurred.

View device

Desktop / Monitoring / View device

Device number: 00332940

MonitoringParametersLocationDescriptionDisplay

Energy types displayed:

- ☒ Positive active
- ☒ Negative active
- ☒ Inductive reactive Q1
- ☒ Capacitive reactive Q4

Number of displayed zones: 1

Displayed graphs:

- ☒ Demand
- ☒ Phase voltage
- ☒ Current

E-mail notifications about the lack of reading: 3 h

Notification email: yma@mojaskrzynka.pl

On-screen indication of the lack of reading:

- ☒ 24 h
- ☐ 48 h

Power utilization

More →

Current readings

2024-08-26 10:40:00

	Tariff Zone 1	Tariff Zone 2	Tariff Zone 3	Sum of tariff zones
Positive active [kWh]	-	-	-	030130.1000
Negative active [kWh]	-	-	-	-
Inductive reactive Q1 [kvarh]	-	-	-	000168.2000
Capacitive reactive Q4 [kvarh]	-	-	-	005981.2000

Additional parameters

	Phase 1	Phase 2	Phase 3
Phase voltage [V]	-	-	-
Current [A]	-	-	-

Demand [kW]: 0.07

Alerts

☒	2024-07-30 13:35:00		[Q]
☐	2024-07-30 13:25:00	power max	[Q]
☐	2024-07-30 13:10:00	power max	[Q]
☒	2024-07-27 18:10:00		[Q]
☐	2024-07-27 16:55:00	power max	[Q]
☒	2024-07-12 13:25:00		[Q]
☐	2024-07-12 13:10:00	power max	[Q]
☒	2024-07-10 12:40:00		[Q]
☐	2024-07-10 12:15:00	power max	[Q]
☒	2024-06-30 18:25:00		[Q]

Go to: Show: 10 1 z 2

Number of items: 17

PTPIREE

Creates and sends reports for energy supplier change procedure or for balancing market.

-  MONTHLY REPORTS
-  PER REPORT DEVICE MANAGEMENT
-  PER REPORT SETTINGS
-  MANAGE LIST OF DISTRIBUTION OPERATOR SERVERS

The PTPIREE functionality generates and updates reports for the purpose of energy supplier change or for the balancing market.

Each report is created for whole month and send to the distribution operator FTP server automatically or manually if needed.

The server list displays all available FTP servers and their settings. New servers can be added manually at any time.

THE LIST CAN BE FILTERED BY VARIOUS CONDITIONS AVAILABLE IN THE FILTERING AREA OF THE SCREEN AND EXPORTED IN VARIOUS FORMATS

PTPIREE

Report list

Desktop / PTPIREE / Report list

+ Add report

Generate reports

Update reports

Send files

Downloading PTPIREE files

Export

ID	Period	Data	Seller	Group	Energy	Server	Resolution	Precision	Forecast	Sent	
5904	2024 / 08	✖	TEST	Adam Pompa	1.8.0	test server	quarter	3	✖	✖	🔍🗑️
5714	2024 / 07	+	TEST	Adam Pompa	1.8.0	test server	quarter	3	✖	✖	🔍🗑️
5525	2024 / 06	+	TEST	Adam Pompa	1.8.0	test server	quarter	3	✖	✖	🔍🗑️
5517	2024 / 05	+	TEST	Adam Pompa	1.8.0	test server	hour	3	✖	✖	🔍🗑️

Go to:

Show:

10

1 z 1

Number of items: 4

Filter

Clear

Period

to

Data

default

Resolution

all

Precision

Seller

Group

PTPIREE

Server list

Desktop / PTPIREE / Server list

+ Add server

#	Name	Host	Port	User	Passive mode	SSL	Groups
1	test server	testserver.com	21	user	✓	✓	1 🔍👤🗑️

Go to:

Show:

10

1 z 1

Number of items: 1

Filter

Clear

Name

Host

User

