



Logimic IoT Products

Logimic, s.r.o.
michal.valny@logimic.com
CEO



Market



Lersen



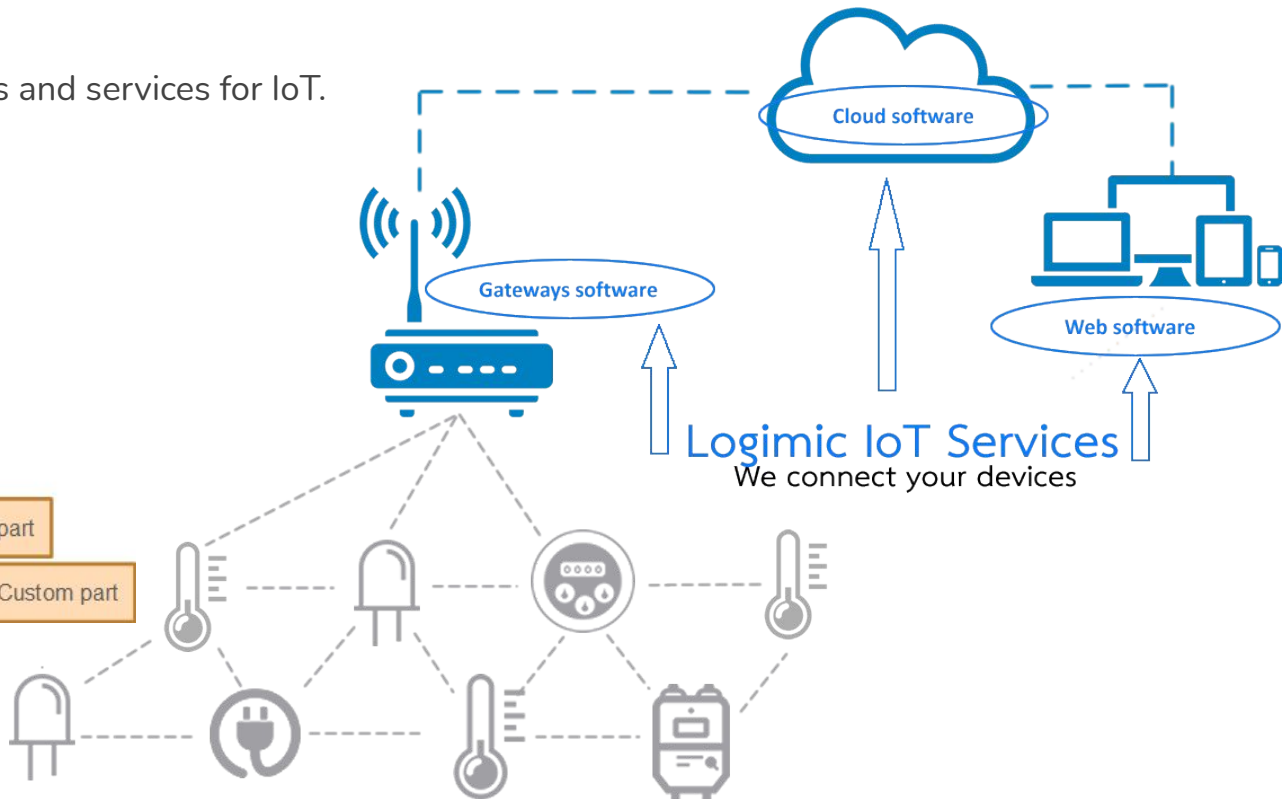
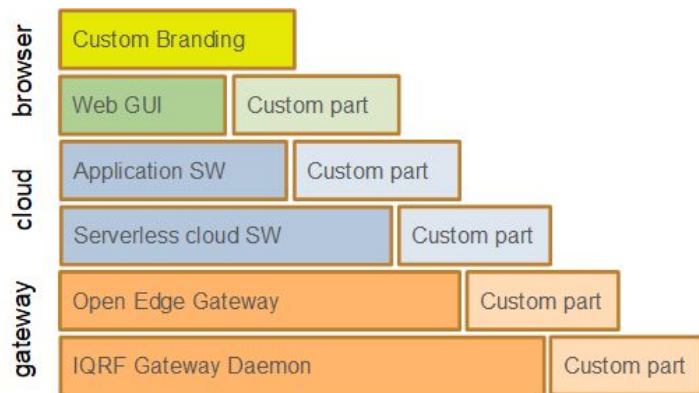
AllostasisX LLC





Our mission

Provide applications and services for IoT.



Our projects

- Street lighting control
- Environmental monitoring
- Smart city sensors infrastructure
- Sanitary technics
- Industrial heating
- Emergency lighting
- Smart city sensors infrastructure
- Smart gateways
- Control systems



logimic
We make IoT world

Logimic Light

Logimic, s.r.o.
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Logimic Light mission & vision

Street lighting control as a service.

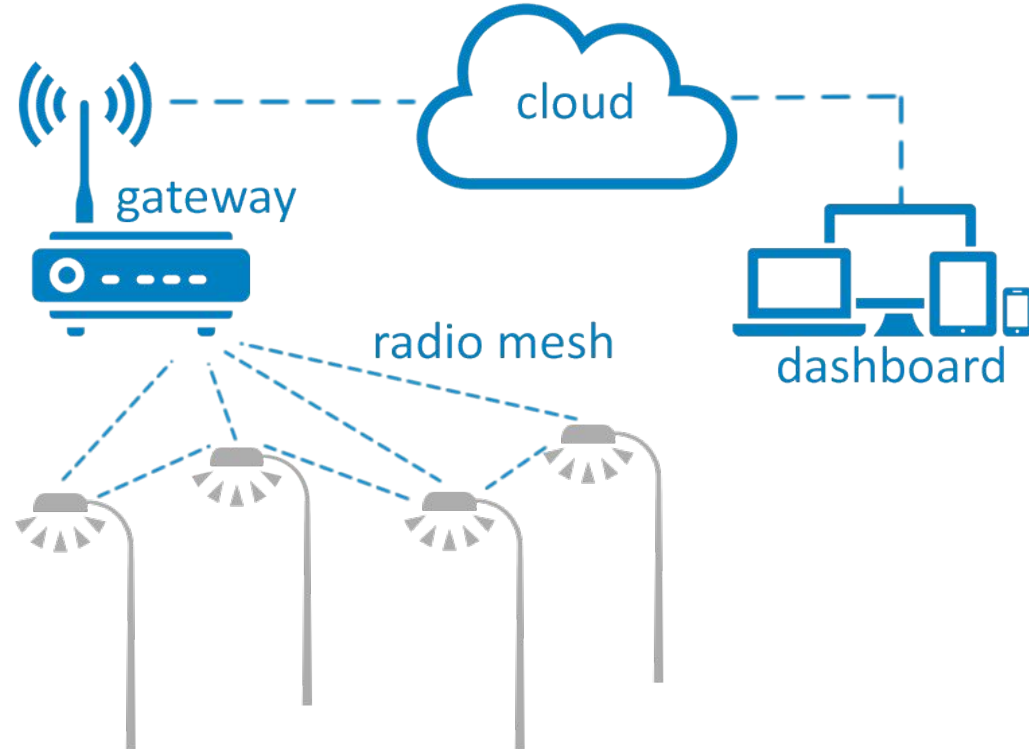
- Minimal hardware and software investments.
- Pay per use.
- Simple use.
- Security and robustness.
- Technical support.

Made for manufacturers, integrators, municipalities and technical field services.



Architecture

- Complex software solution
- Gateway software
- Cloud solution
- Dashboards

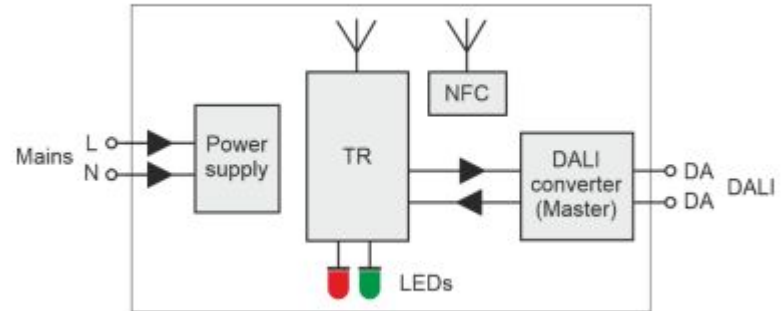


End Devices

- Integrated IQRF Lightng Bridge IQD-DB1M-01A.
- Compact size 88 x 38 x 22mm in plastic box.
- No external antenna.
- Simple wiring.



Zhaga soon!



Gateway

- IQUBE (IQD-GW-01) by Microrisc.
- Single board computer Orange Pi Zero.
- Compact size 50 x 54 x 36mm.
- LAN and USB output.
- Modification for outdoor mounting possible.
- External LTE modem via USB and LAN.

Industrial soon!







Cloud

- We use global cloud infrastructure **Amazon Web Services** a **Google**.
- Our solution **Logimic IoT Services** software runs on top of these platforms.
- We focus on **reliability**, **security** and **cost efficiency**.
- We provide Pay per use subscription system..



Logimic Light - Web interface

- Default user dashboard
- Real-time data from streets, buildings and individual lamps

Devices 109					
<input type="checkbox"/>	↑↓	Power ↑↓	Intensity ↑↓	Addr ↑↓	Name ↑↓
<input type="checkbox"/>		●	94 %	78	Pod Rybníkem 415
<input type="checkbox"/>		●	94 %	43	Na Louce 303
<input type="checkbox"/>		●	94 %	51	Na Louce 346
<input type="checkbox"/>		●	94 %	48	Heřmáneková 320



Logimic Light - Device card



Data

GPS:	50.4954296; 13.4327445	Název:	10/26
Datum instalace:	4/2/2020	IPath:	QelproLights/Jirkov/obchvat1/light-35
Datum poslední inspekce:	4/2/2020	fPath:	QelproLights/Jirkov/103/light-35
Datum příští inspekce:	4/2/2020	Adresa:	---
Typ stožáru:	unknown	Sériové číslo:	unknown
Výška instalace:	0	Typ:	Q-LUX
Vyložení:	0	Výkon [W]:	108
		Dodavatel:	Q-EL PRO s.r.o.

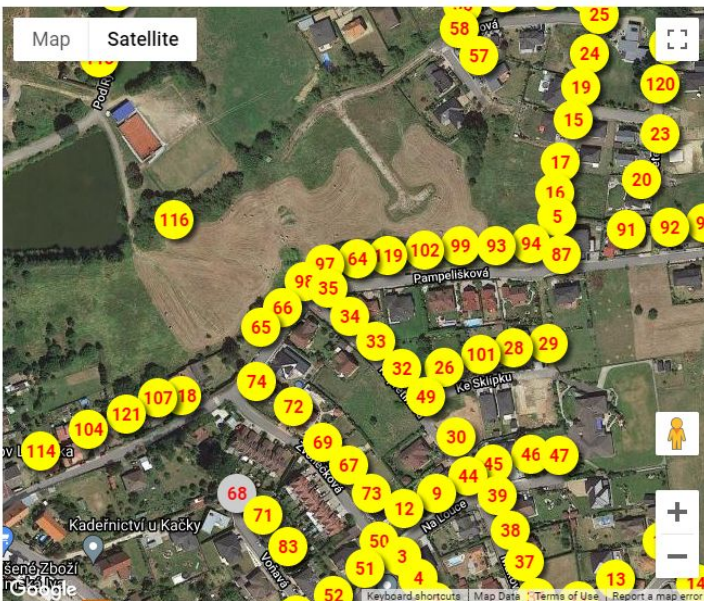
Control

Name:	Na Rozhledě 169	
Communication:	●	online
State:	●	on
Dim level:	94 %	
Program:	Program on	
On/Off:	⏻ ⏻	
Dim level:	<div style="display: flex; align-items: center;"> <div style="flex-grow: 1; border: 1px solid yellow; border-radius: 10px; position: relative;"> <div style="position: absolute; right: 0; top: -10px; bottom: -10px;"> <div style="width: 100%; height: 100%; background: linear-gradient(to right, yellow, grey);"></div> </div> </div> <div>100 %</div> </div>	

- Device can be assigned to program
- Device can be turn on/off manually
- Simple intensity light setup

Logimic Light - Locations

- Create a location e.g. hall, building, street, city and assign devices
- Manage the location as a whole
- Assign any program to the location



General Data Attachments Floor plan Notifications

Name: gw4

Number of devices: 109

Identifier (lPath): QelproLights/Jenisov_obec/gw4

Online/On-off: ● ●

Program: ✓ program1 Status: on

Power On/Off: On Off

Change program: program1 ▼







Logimic Light - Indoor Locations

- Upload floor plan of your indoor location
- Drag & drop your devices over floor plan
- Quick identification of any device in floor plan map



Logimic Light - Programs

- Program is a list of commands in daily, weekly, time cycle
- Astro calendar available
- Assign program to any location or locations

Time events			
Type ↑↓	Date/Time ↑↓	Command name	
day	1:00	75	 Edit
day	2:00	50	 Edit
day	4:00	75	 Edit
day	5:00	ON	 Edit
day	22:00	80	 Edit
day	23:00	77	 Edit

Edit Command

Command

100

Day

Monday

Time

05:00

OK

Cancel

5:00

12

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

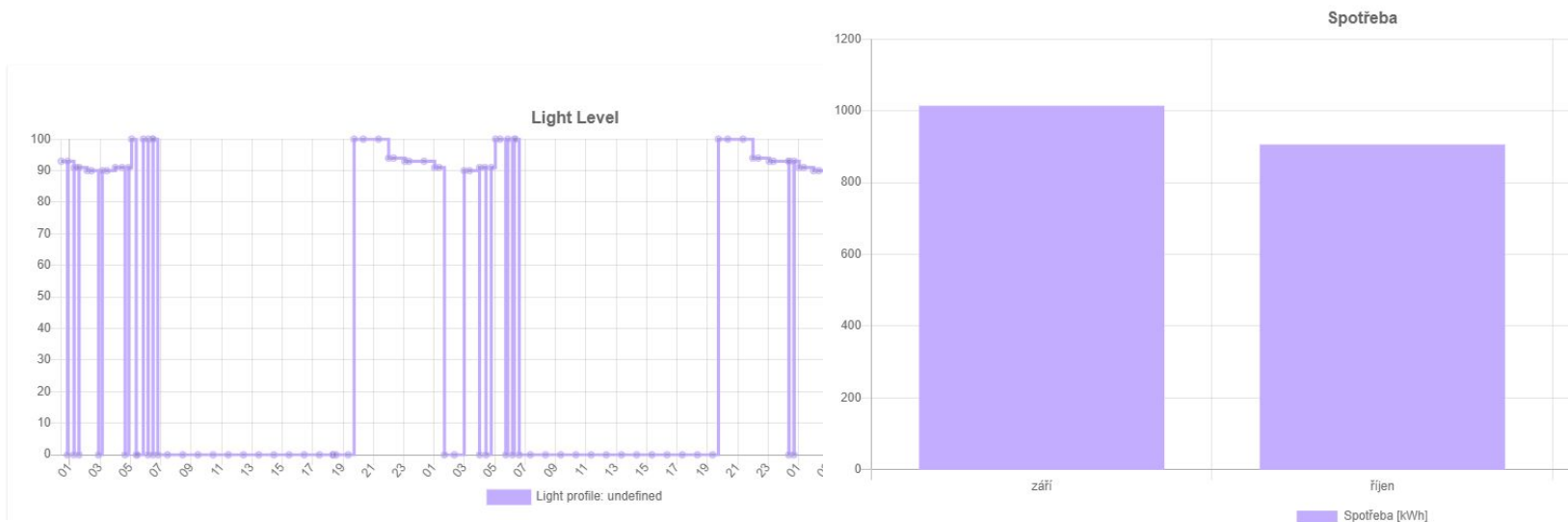
00

CANCEL

OK

Logimic Light - Statistics

- Show lighting profiles of locations or particular devices for any time period
- Export monthly consumption profiles
- Export any data to CSV file



Logimic Light Analytics



- Daily reports
- Immediate reports
- Statistics analysis
- Fault notifications

Uprav systém ×

Data

Emailové notifikace

☒ Povolit e-mailové notifikace

E-mail adresa pro reporty

E-mail adresa dodavatele

☐ Povolit okamžité reportování stavu

☐ Reportovat návrat zařízení z chyby

☐ Zakázat okamžité reportování po dobu

Od

Do

☒ Povolit denní reporty o provozu



☒ Zakázat reportování chyb rádia







✓ OK

✗ Zrušit

Full gateway management

- List of all available gateways
- Indicated online/offline/error status
- Change configuration, setup network passwords, make backup, restore network and more

Gateway hardware						
	Online	Gateway Identifier ↑↓		fPath ↑↓		
	●	Rehivotech/Aurora/27021777579716		QelproLights/Jenisov_obec/GW2		

Devices							
							<input type="text" value="Global Search"/>
<input type="checkbox"/>		Online	Name ↑↓	Addr ↑↓	fPath ↑↓	IPath ↑↓	
<input type="checkbox"/>		●	287	36	QelproLights/Jenisov_obec	QelproLights/Jenisov_obec	
<input type="checkbox"/>		●	354	46	QelproLights/Jenisov_obec	QelproLights/Jenisov_obec	
<input type="checkbox"/>		●	U Vodojemu - 278	59	QelproLights/Jenisov_obec	QelproLights/Jenisov_obec	

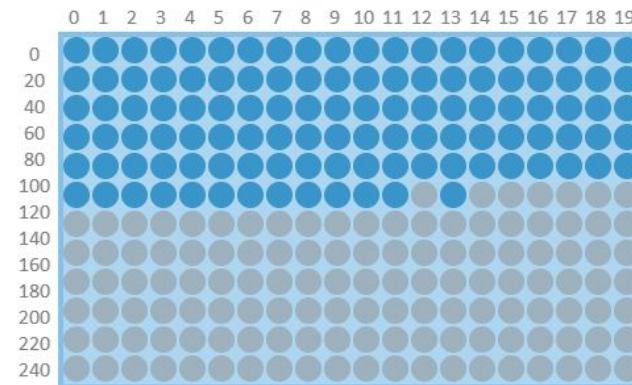
Gateway hardware

[< Back to Gateways](#)

Gateway Data

Status:	Online
Vendor, Product:	Rehivotech, Aurora
Serial:	27021777579716
Local IP:	10.141.202.149
Time zone, Sunrise, Sunset:	CEST, 13/09/2021, 05:59:00, 13/09/2021, 19:48:00
Gateway ID:	Rehivotech/Aurora/27021777579716
Channel, StdLp:	41, false
Last update:	13/09/2021, 22:22:15

Gateway Matrix

[Nodes](#)[Topology](#)[Commands](#)[Messages](#)

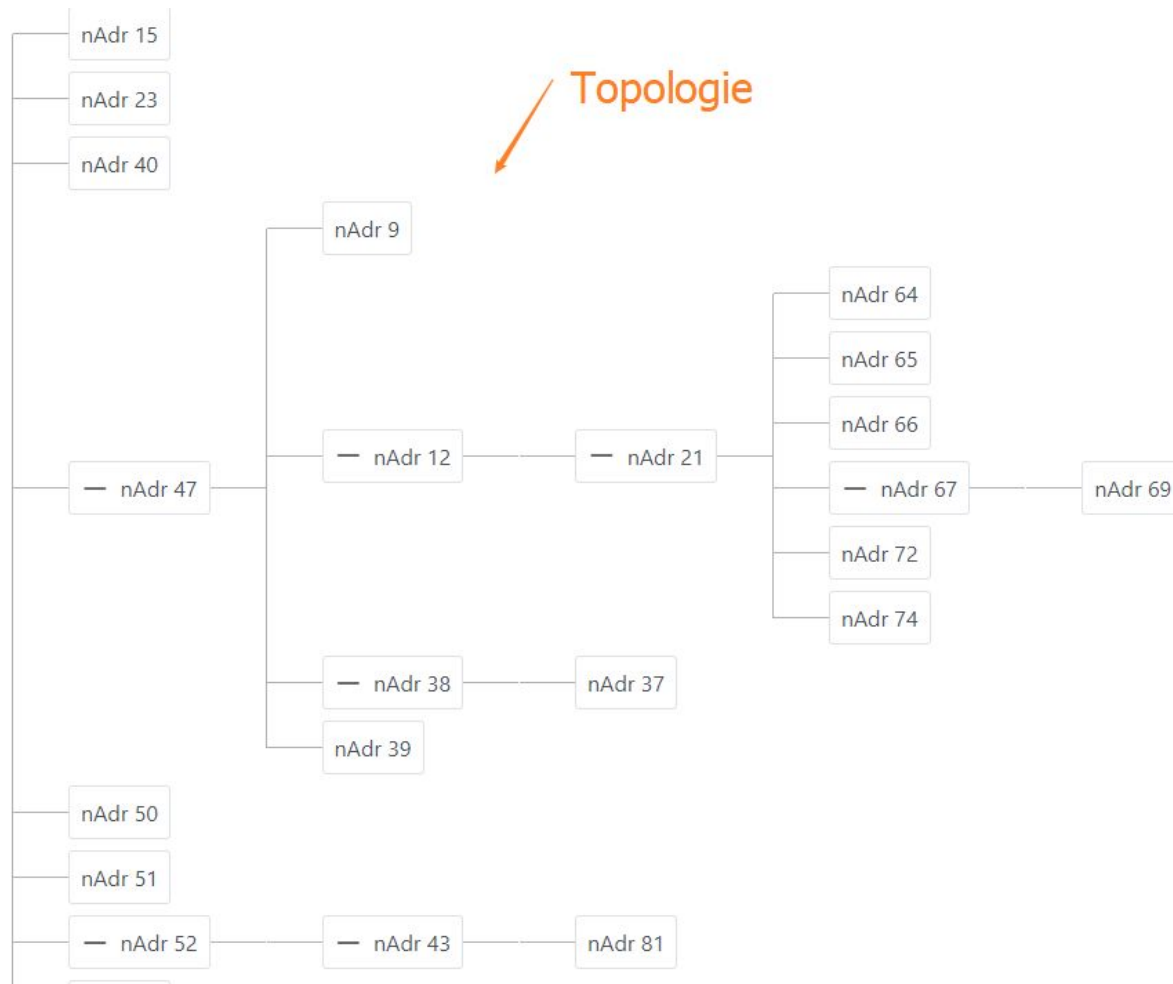
Nodes - lights

Nodes: 112



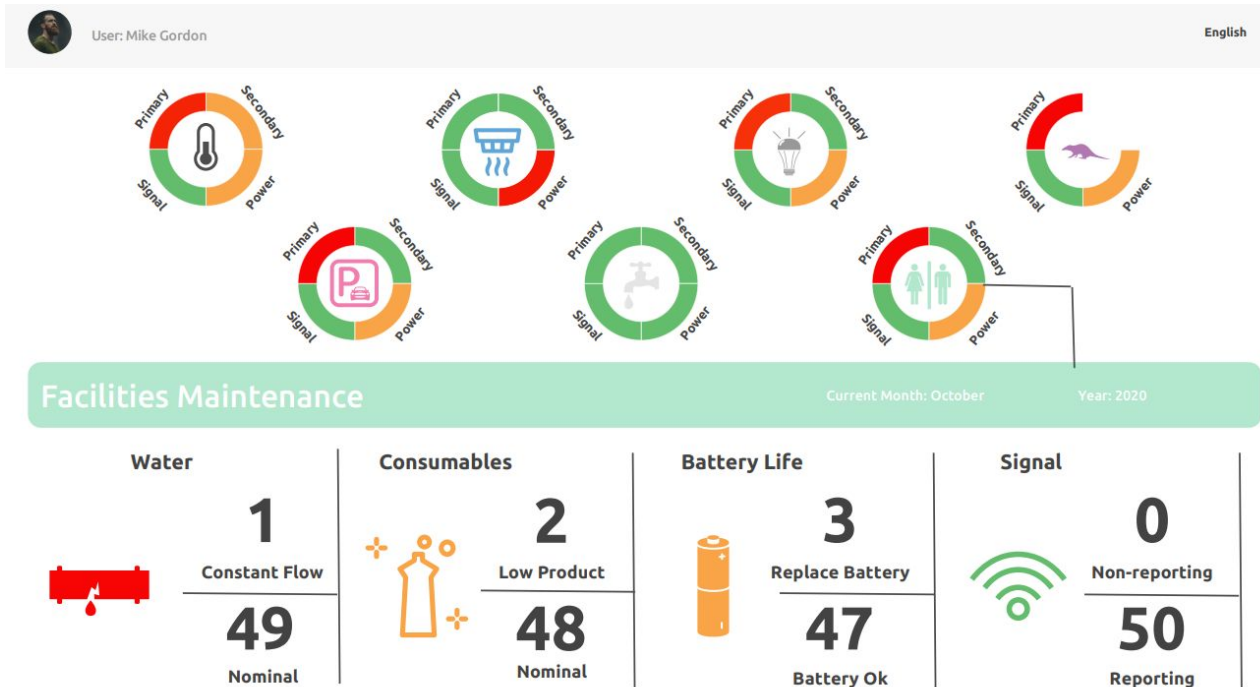
nAdr	↑↓	mid	↑↓	disc	↑↓	hwpid	↑↓	hwpidVer	↑↓	osBuild	↑↓	dpaVer	↑↓	prnt	↑↓	zone	↑↓	vrn	↑↓	rss	↑↓	ping	↑↓
7		0x8112349C		true		0x0804		274		0x08C8		0x0413		0		1		6		0		N/A	
47		0x81123587		true		0x0804		274		0x08C8		0x0413		9		3		38		0		N/A	
79		0x81123469		false		0x0804		274		0x08C8		0x0413		43		4		71		0		N/A	

Topology



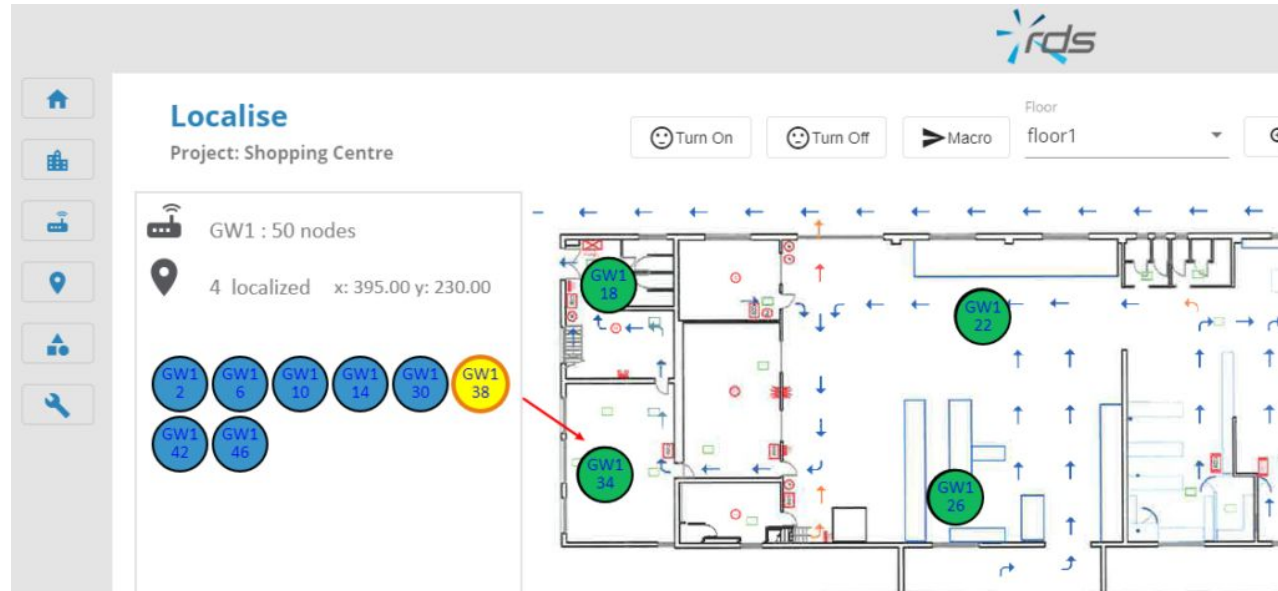
Specific user dashboards

- We provide on demand design of dashboards by specific customer requirements



Commissioning support

- We provide SensConnect software licensed by Review Display Systems Ltd.
- The tool enables an easy commissioning process of large amount of Dali based lights
- Peer to peer communication helps with indoor and outdoor localisation



How to start

- Please order the Logimic Light Starter Pack
- Includes gateway with pre-installed Logimic Light and 3 pieces of IQRf DALI bridge
- Fully working Logimic Light cloud account
- Connect your LED devices and get fully working system *)



*) Please ensure that Logimic Light supports your device, please contact logimic@logimic.com

First applications



- 1 manufacturer, 3 towns, 5 company complexes
- 12 gateways, 1200 lighting spots



Jirkov

June/2020



Company



Jenišov



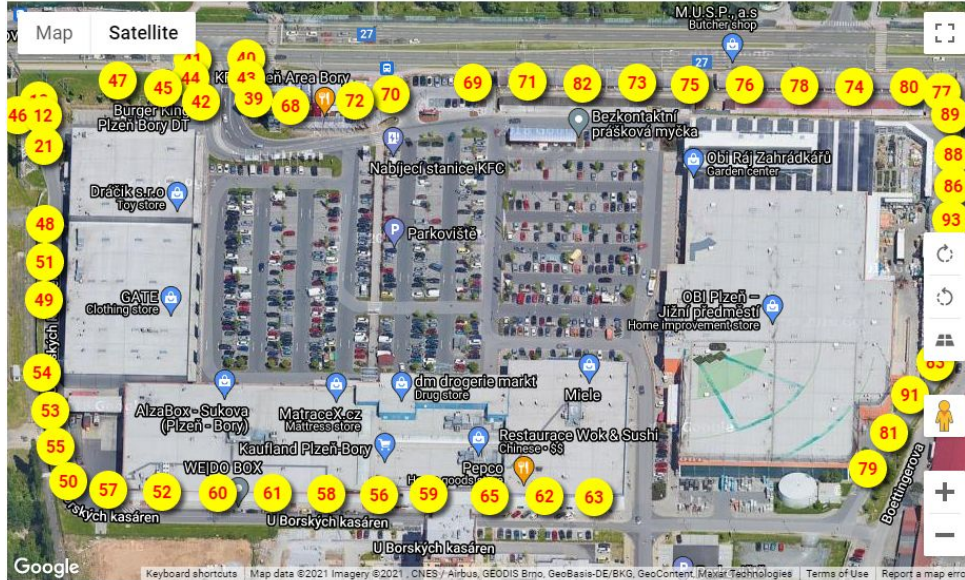
Nekmír

Company arealas

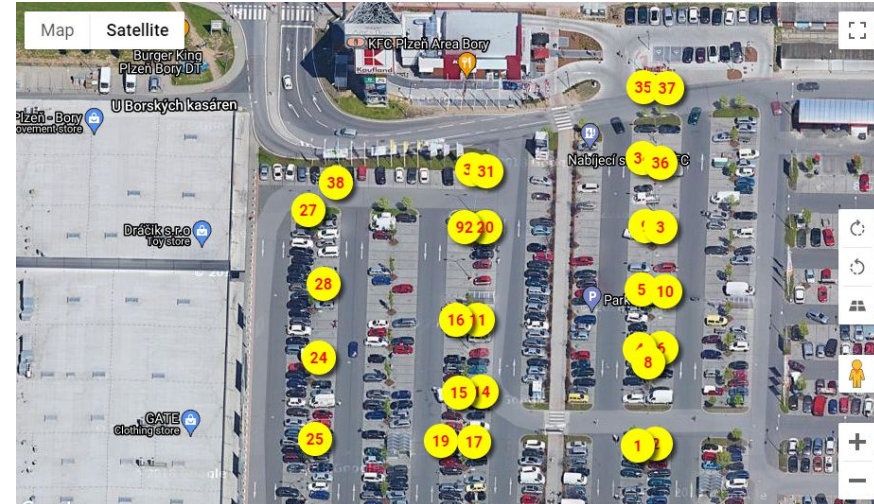
July/2021

5

Kaufland area



- 1 gateway, 90 lights
- 3 zones with night lighting programs



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iTemp

Logimic, s.r.o.
michal.valny@logimic.com





iTemp vision

Simple and intuitive monitoring of indoor environment.



iTemp Simple Start-up

1. Register

2. Add set

Register

Email
logimic@logimic.com

Password

Confirm password

Password must contain lower and upper capital letters, numbers and special chars, e.g. Tester123!

Name
Logimic

Surname
Logimic

Register Cancel

Upozornění

1. Nainstalujte sensory a ujistěte se že repeater je v jejich přímé viditelnosti ne větší jak 200m ve vnitřních prostorách a 400m venku..
2. Zapněte gateway a repeater..
3. Klikněte na tlačítko níže a přidejte vás set dle jeho s=eriového čísla..



+ Add Set

3. Include IQAROS set number

Add Iqaros Set



serial

Enter set ID (16-digits number)

9999999999999999

✓ OK

✗ Cancel



iTemp devices

Sensor offline




Battery

Placement

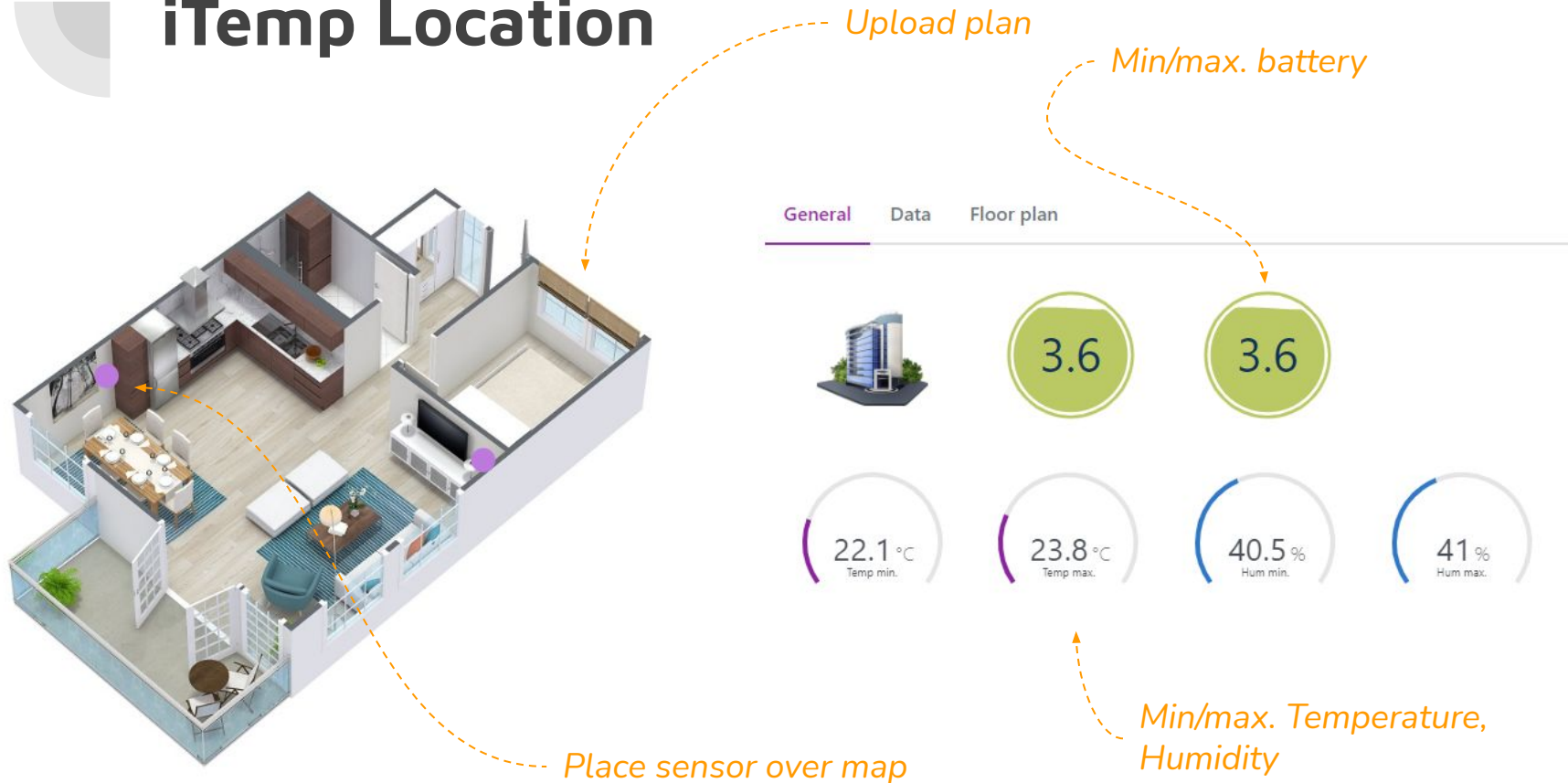
Temperature

Humidity

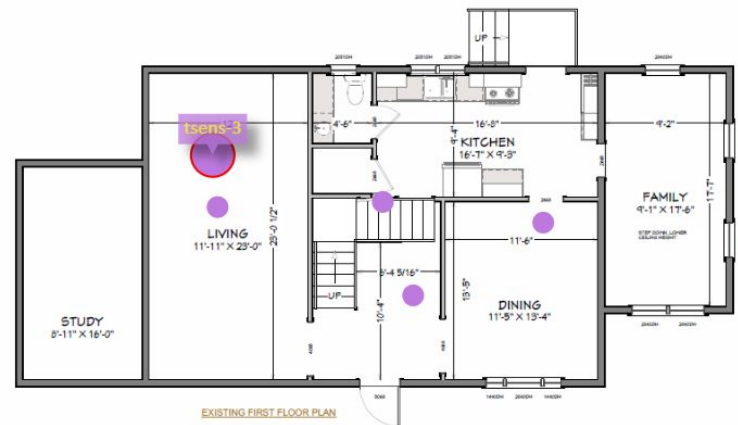
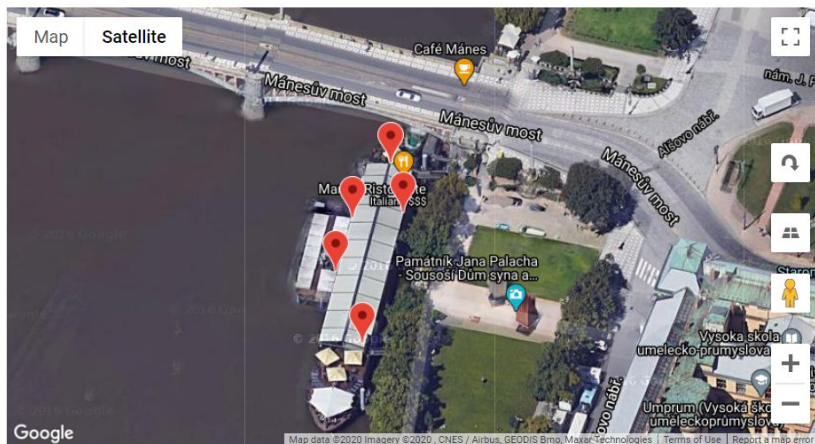
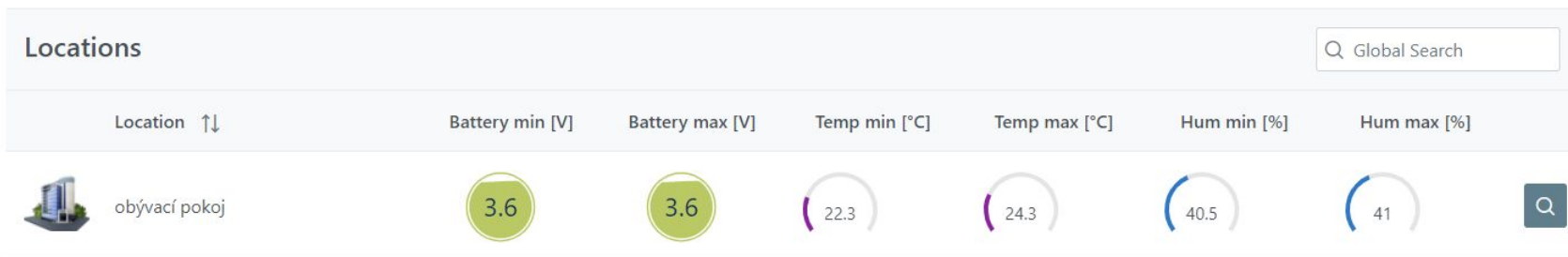
Last seen

Sensors							
<input type="text" value="Global Search"/>							
<input type="checkbox"/>	Battery [V] ↑↓	Name ↑↓	Location ↑↓	Gateway ↑↓	Temp [°C] ↑↓	Hum [%] ↑↓	Last update ↑↓
<input type="checkbox"/>	 <div>3.59</div>	tsens-48	obývací pokoj	GW1	<div>23.94</div>	<div>40.5</div>	23/02/2021 14:03
<input type="checkbox"/>	 <div>3.46</div>	tsens-52	unknown	GW1	<div>5.31</div>	<div>72.5</div>	23/02/2021 14:03
<input type="checkbox"/>	 <div>3.59</div>	tsens-49	sklep	GW1	<div>22.38</div>	<div>40</div>	23/02/2021 14:02

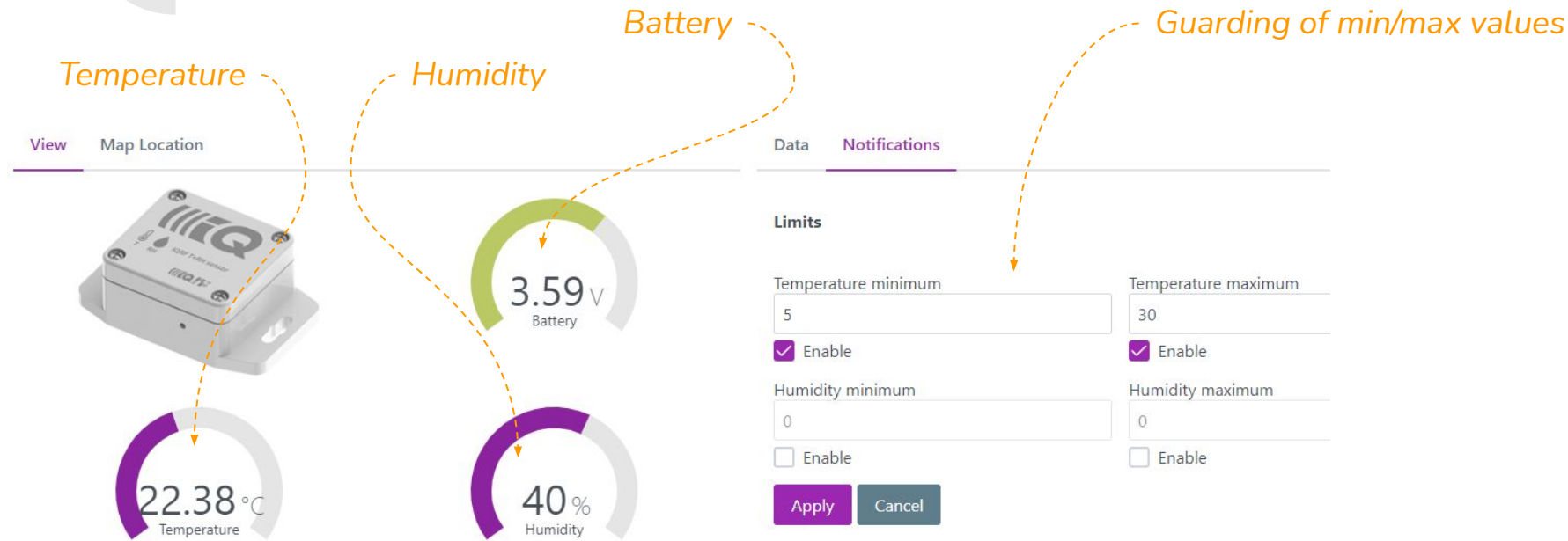
iTemp Location



Indoor and Outdoor Locations



iTemp Sensor Detail



iTemp Statistics

Select Day of Days

Time Interval

Day Days

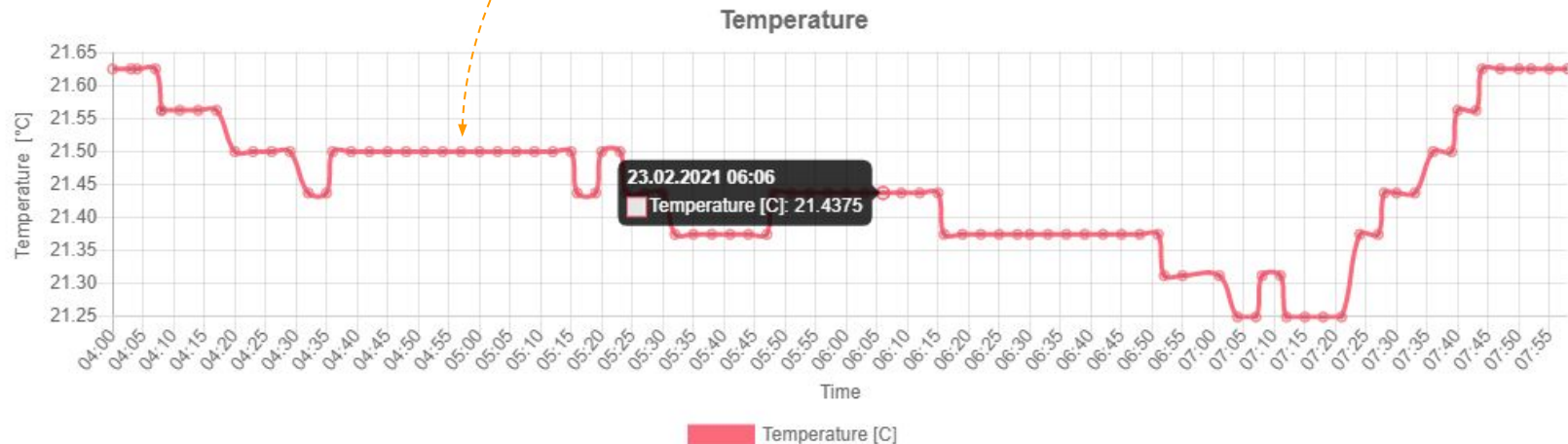
2min . Measurement Frequency

day

23.02.2021

Time interval

4-8



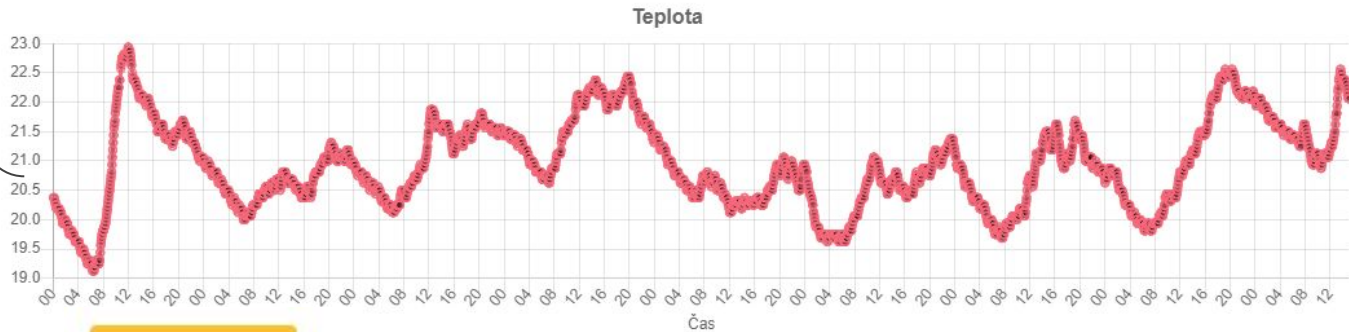


iTemp Statistics

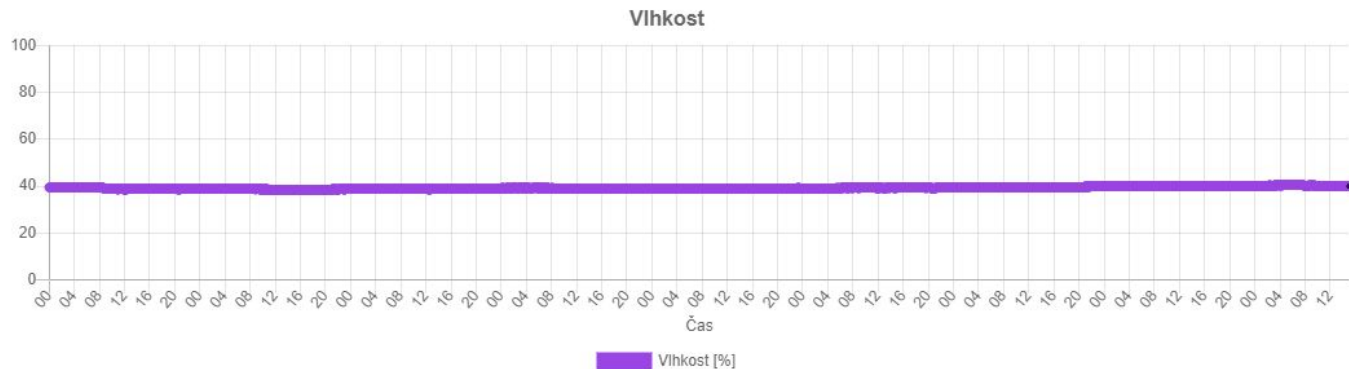
Dny 15.02.2021 - 25.02.2021

2 years statistics

Export to CSV



Export



iTemp Benefits

- Web private & public dashboards.
 - More IQAROS sets in one dashboard.
 - Long term statistics.
 - Organizing devices to locations.
 - Parameters out of limits notifications .
-
- Support of customer applications
 - Support of more IoT devices



iTemp for Swimming Pools

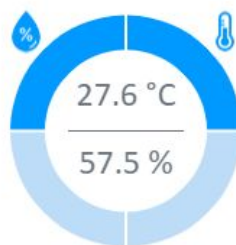
Dashboard

Tabulka

Lokace



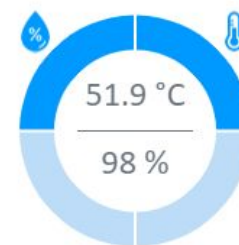
Bazén (voda)



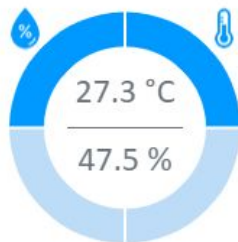
Bazén (vzduch)



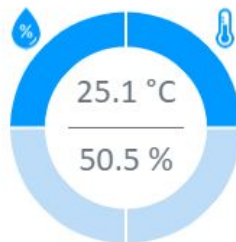
Dětský bazén



Pára



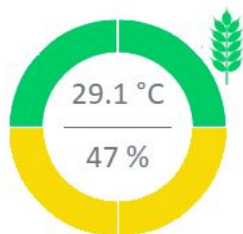
Odpočívárna



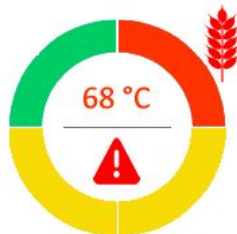
Restaurace

iTemp for Agriculture

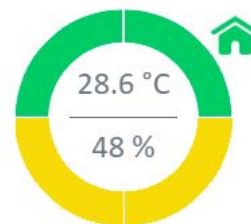
Dashboard



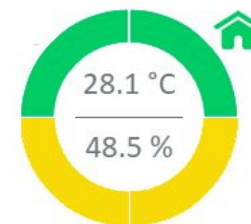
Silo 1



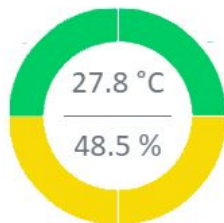
Silo 2



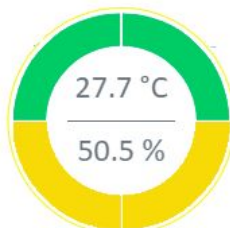
Hala 1



Hala 2



Kancelář



Kuchyně



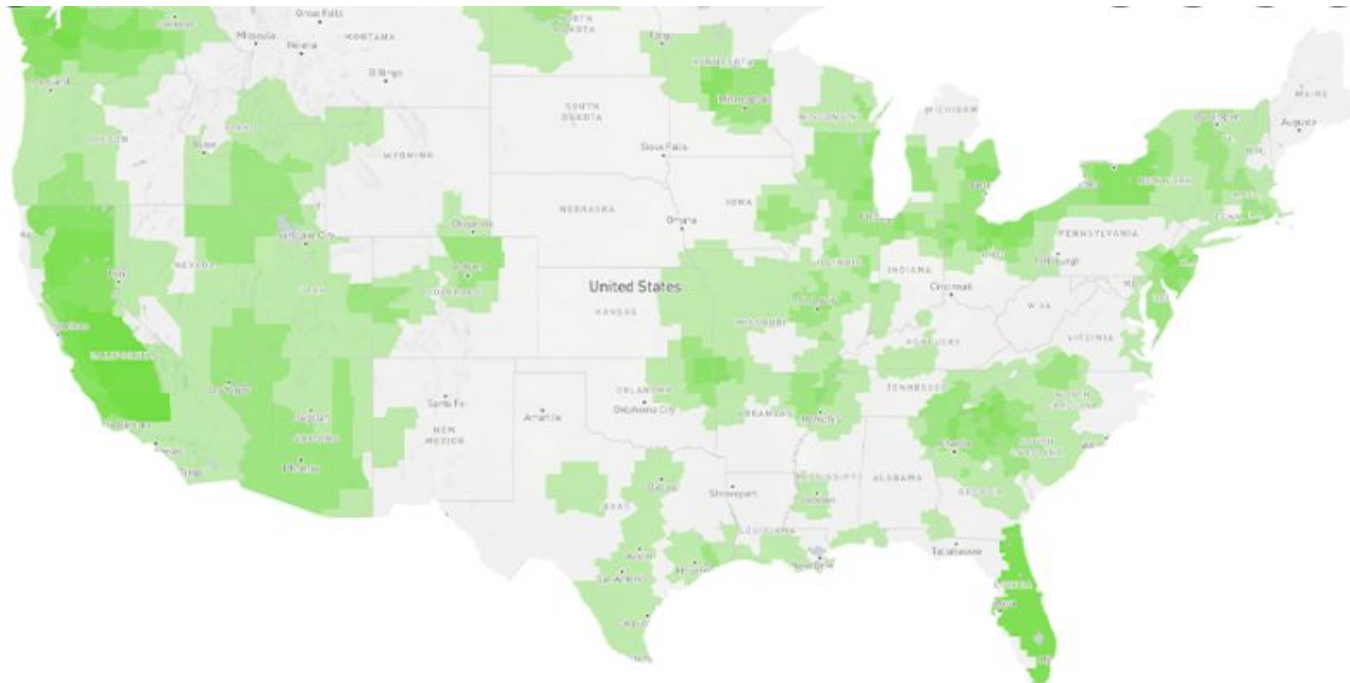


Smart City (ACADA)

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Smart City ACADA

- Provide IoT Smart City technology to middle and small towns.
- New approach focused on UX



Smart City - Vize

Jednoduchý intuitivní nástroj pro zobrazení dat z různých senzorů.



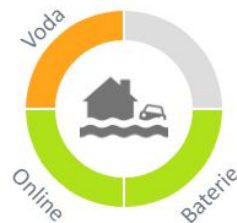
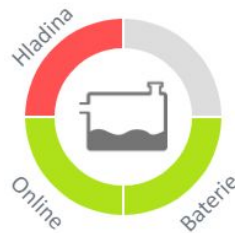
michal.valny@logimic.com

logimic
We make IoT world

Všechny senzory hlásí požár

Všechny senzory v online

Některé senzory hlásí kouř

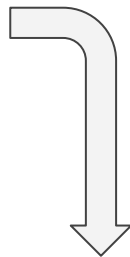




Level2 - Kpi



Water Meter



High Consumption



0
Alert

2
OK

Continuous Flow



0
Alert

2
OK

Intermittent Leak



0
Alert

2
OK

Minor Backflow



0
Alert

2
OK

Major Backflow



0
Alert

2
OK

Irregular Usage



0
Alert

2
OK

Soft Disconnect W/Usage



0
Alert

2
OK

Non-Billable Read

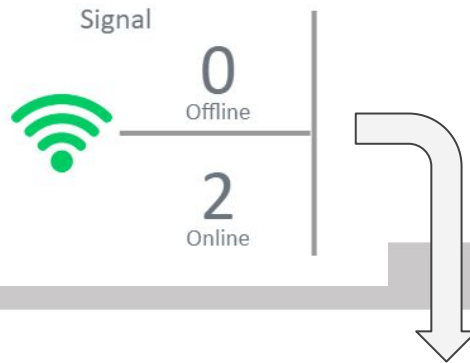




0
Alert

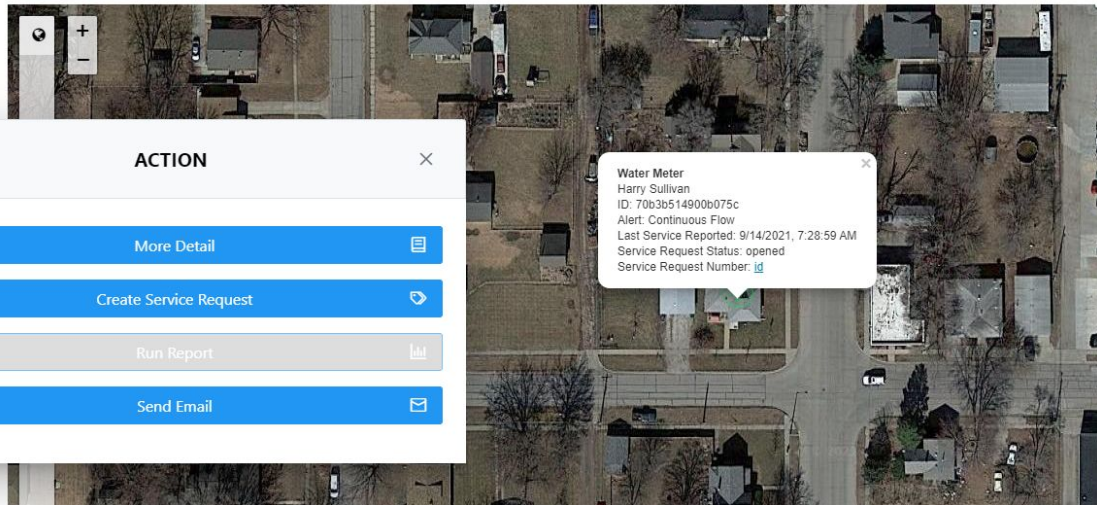
2
OK



Level 3 KPI



Device type ↑↓	Alert Type ↑↓	Device ID ↑↓	Account ↑↓
Water Meter	Continuous Flow	70b3b514900b075c	875862
14040 Kenilworth St	Waverly	NE	684
Harry Sullivan	09/14/2021	7:28:59 AM	
Water Meter	Continuous Flow	70b3b514900b0756	875
10930 N 141st St	Waverly	NE	684
Sarah Smith	09/08/2021	4:13:08 AM	



Service Requests

UPDATE SERVICE REQUEST

GENERAL INFORMATION

Device Type

Trash Can

Service Type

Inspect

Date Created

Fri Sep 10 2021

Request #

ZSsrdUgNJP

Device Department

Select Device Department

Created By

brett@allostasisx.com

Assigned To

Device I.D.

3530383252398402

Shop

Alert Type

Capacity Level

Priority

Medium

Friendly Name

Uribe Refuse



ACADA
SMART MADE SIMPLE

[Dashboard](#) > [Service Requests](#)

Open Service Requests

10

Open Emergency Service
Requests

2

My Open Requests

10

City

Waverly

Zip Code

68462

District

NE

Route

GPS

Grouping

Level 4



≡ michal.valny@logimic.com

[Dashboard](#) > [KPIs: Water Meter](#) > [Alerts](#) > [Water Meter: Harry Sullivan](#)

Device Details

Active alerts



Action

Usage details

Last 24 Hours



28172500 Gal

Last 7 Days



28172500 Gal

Billing Period



28172500 Gal

Profile

Statistics

Documentation

Server Message

Friendly Name Water Meter 70b3b514900b075c

Model AIoT-WM-001

Street Address 14040 Kenilworth St, Waverly, NE, 68462

Location Details Harry Sullivan

Device ID Number 70b3b514900b075c

Last Service Request Type ...

Last Service Request Action ...

Last Service Request Date ...

Last Alert Date ...

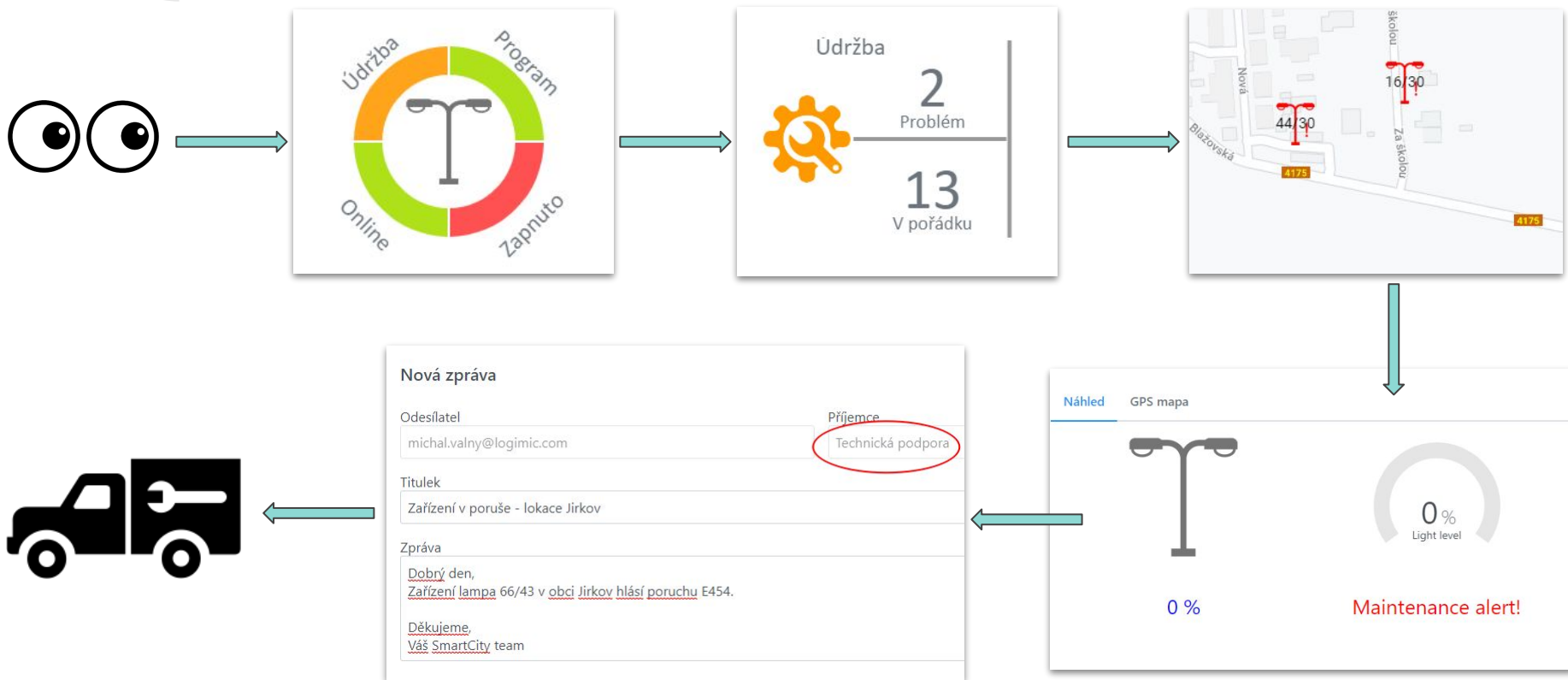
Last Alert Type ...

Total Device Alerts ...

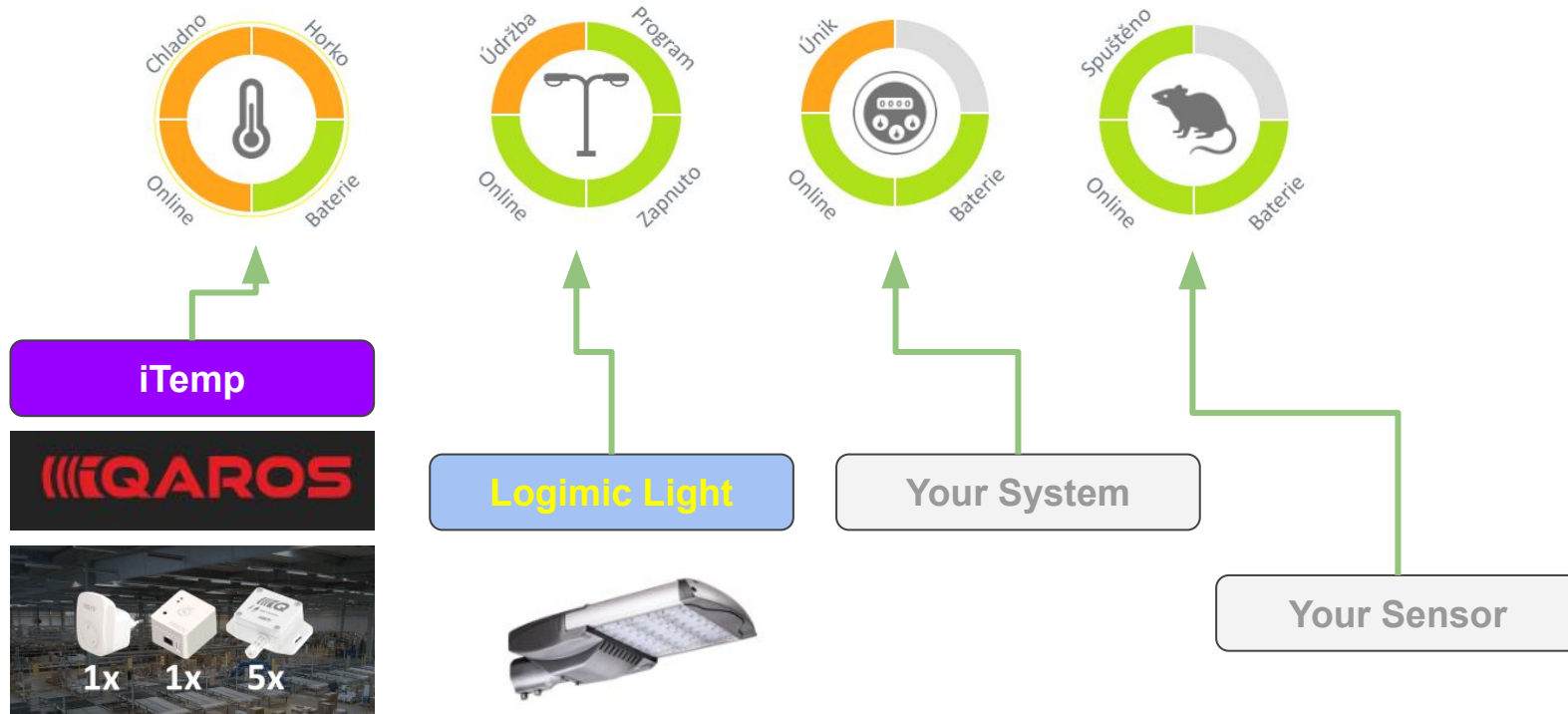
Device Install Date ...

Device Reporting Frequency 4 Times Per Day

Jednoduché řešení složitých věcí



Sensors & Systems connectivity





Statistics

- Two pilot projects from October 2021 to October 2021
- +12 Device Families



Thank you for Your attention!



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