



Track your energy consumption in a user-friendly platform



CloudIndustries.eu smart metering solution

The CloudIndustries.eu platform allows to monitor real-time energy use and automatically notifies operators, supervisors and cost accountants of energy inefficiencies and waste. It connects directly to meters on a network, through industrial controllers, gateways, or through building automation systems. CloudIndustries.eu enables integration with a wide range of industrial controllers, gateways, meters, sensors and I/O data sources.

- Energy data visualization
- Easy data aggregation
- Cost allocation
- Automated reporting
- Alarm management
- Personalized dashboard



What can be monitored?

The CloudIndustries.eu platform is designed to integrate data from different hardware systems (meters, sensors, controllers, etc.) and software formats, no matter what vendors you choose.

Data can be imported automatically from data loggers, BMS and SCADA systems, production systems, electronic bills and Excel spreadsheets. CloudIndustries.eu can be used as an interface between all system manufacturers, making the integration much more efficient.

We already integrated the following devices:

- ABB
- Carlo Gavazzi
- Elgama elektronika
- Janitza
- Schneider Electric
- Siemens
- Socomec

List is constantly updated, so please contact us if you have other vendor's equipment.

How it works?

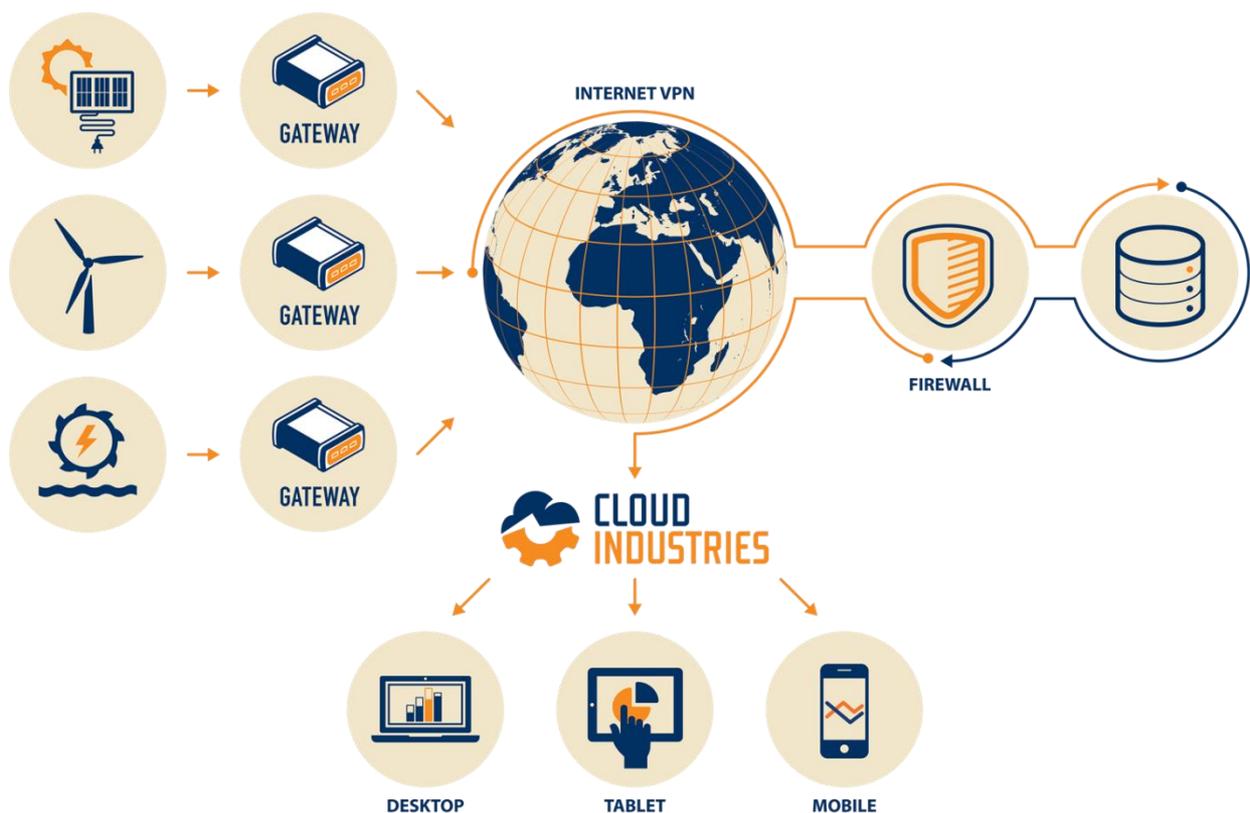
The architecture of CloudIndustries.eu is designed to work 24/7 by clustering and balancing the server instances where it will run, as well as support for high availability data base deployments.

Integration

CloudIndustries.eu monitoring solutions can also be connected to third party or customer-owned software or services in order to develop complex monitoring and automation. Scalable for application of any size.

Our system architecture empowers our partners to design, build, deploy and maintain SCADA and IoT functionality in WEB-based applications. The data from meters, sensors and other equipment goes through gateways to our servers, and it is protected by VPN tunnel and firewalls.

As we get data into servers, we create a user-friendly, smooth and easy to understand user interface.



User interface ADMINISTRATOR



13-03-05 14:30:46
DATE TIME

Vilnius

Kaunas

Klaipėda



Results

Jėgainė 1

Output power
23.86 kW

Accumulated energy
33263 kWh

Accumulated revenue
54219 Lt

Average revenue per
day
117.61 Lt

CO2 saved
30.60 t

Plant works since
2011-12-01

Visualisation

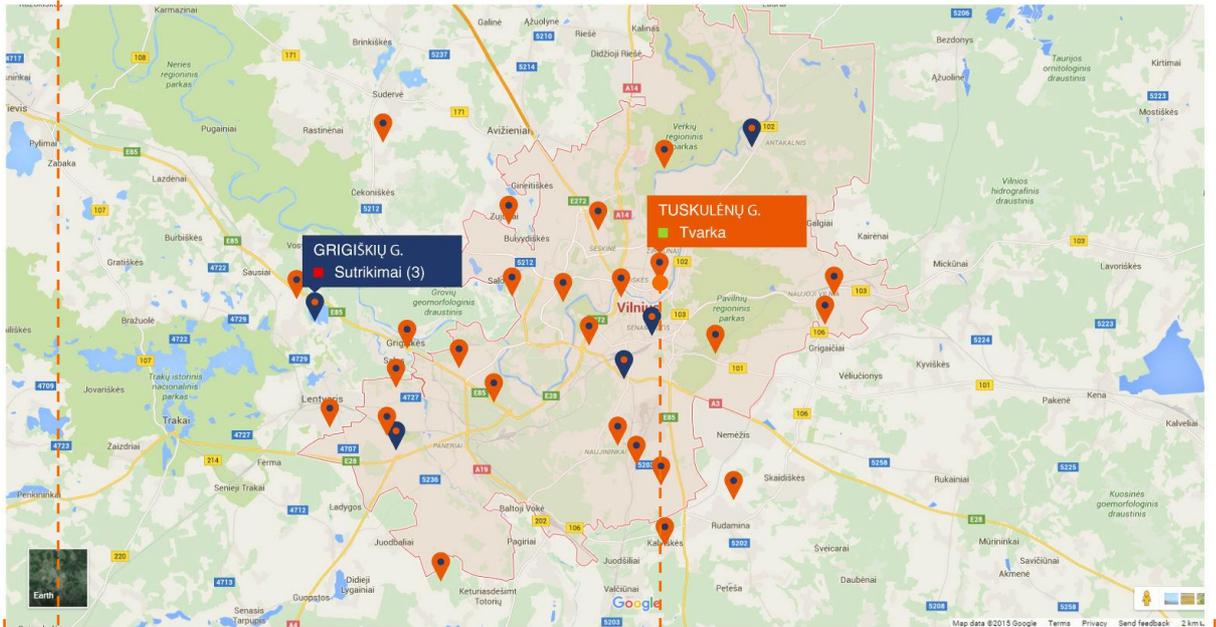
Measurement list

Data log

Help

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Žemėlapis



Active icons

The icons on the map show names of sites and their status. If critical alarms appear, they change colour.

Easy navigation through sites

Navigation menu enables navigation through sites or geographical locations. This particular example shows navigation through different cities where you can see monitored apartment buildings.

Side menu shows overall values from all sites.

There is a possibility to put any kind of values of result which is important to the customer.

Map with sites location

Google maps-based functionality allows to easily zoom in and out of a location. Active icons show exact locations of projects.

Overview of flats/rooms in each building

By clicking an icon on the map, you will go into a deeper view of each apartment and see each flat or room. Navigation menu on the top guide will you through each building.



Overview of the apartment building

Dashboard shows you a number of floors and flats on each floor. Each block gives you information about flat usage of electricity, hot/cold water, gas, etc. If the number of household members is known, there is calculation of how much energy is used per person.

Detailed view of each flat performance

Administrator is allowed to go into each flat statistics and see a detailed view of energy consumption. The dashboard contains such information as temperature in a flat, real time consumption, historical perspective of consumption, minimum and maximum values of temperature, etc. CloudIndustries.eu has a tool for dashboard customization.



REGULAR USER

Administrator creates a login for each flat owner. After login into to the Platform regular user only sees data for his flat (in case he owns several flats, he can navigate through them in the top menu).



13-03-05 14:30:46 DATE TIME Tuskulėnų g. 24 - 18 admin

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© Elseta 2013

Mano būtas (52 m²) šiuo metu:

Galia, kWh



Viduje
+24°C

Lauke
-10°C

Šildymas

Sistema In: **+55°C** Out: **+38°C**

Naudingumas (PR) **0,8**

Apšvietumas, W/m²



Vanduo

2 m³ **4 m³**

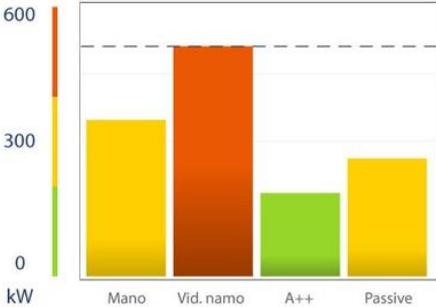
Laiko prog.

Komfortas

EKO

Statistika:

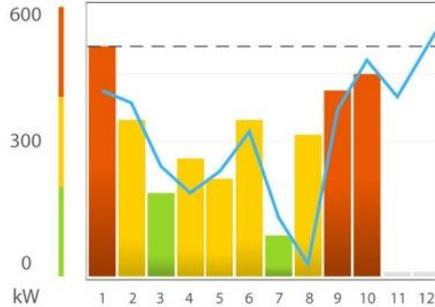
Mėnesio ataskaita 2015 Spalis Atgal



Max Production **550 kW**

kWh CO₂ Eur

Metinė ataskaita 2015

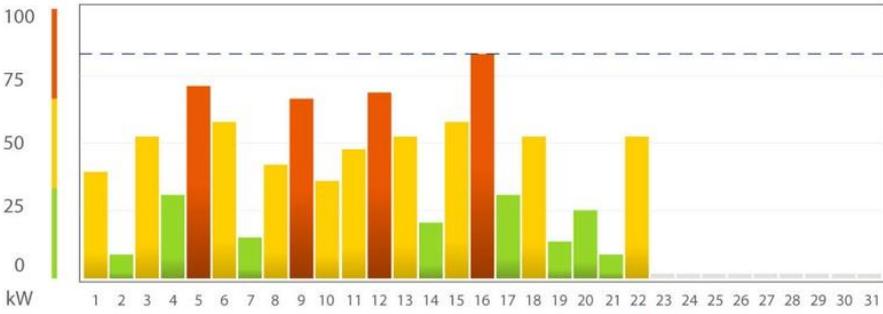


Max Production **550 kW**

Total **4536 kW**

kWh CO₂ Eur

Mėnesio ataskaita 2015 Spalis Atgal



Max Production **87 kW**

Total **456 kW**

kWh CO₂ Eur

Statistika

Temperatūra Max. **+32°C** Min. **+25°C**

Apšvietumas Max. **1270**

Naudingumas (PR) **0,8**

Rekomendacija:

Priemonių energijos vartojimo efektyvumui pastatuose užtikrinti yra daugybė, tarp jų – izoliacija, ir šios priemonės yra tokios ekonomiškios, jog gali padėti sutaupyti išlaidų už kiekvieną sutaupytą anglies dioksido toną. Ši technologija jau parengta ir išbandyta, nereikia jokių papildomų taikomųjų tyrimų.

Possibility to control

Flat owners can have a control function in their dashboards (provided that they have necessary hardware installed).



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Galia, kWh

Viduje
+24°C

Lauke
-10°C

Šildymas

Sistema
+55°C Inc.
+38°C Out.

Naudingumas (PR)
0,8

Apšvietumas, W/m²
875

Vanduo
2 m³ **4 m³**

Laiko prog.

EKO

Komfortas

Reikšmės

OFF

COMFORT

ECO

Laiko programavimas

Keisti tvarkaraštį

Pr

An

Tr

Kt

Pn

Št

Sk

Switch between economy and comfort modes.

Scheduling

Time programming when to switch between modes.

Statistika:

Mėnesio ataskaita 2015 Spalis < Atgal

Metinė ataskaita 2015

Max Production 550 CO₂

Max Production 550 kW

Total 4536 kWh

Mėnesio ataskaita 2015 Spalis < Atgal

Statistika

Max Production 87 kW

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Min. +25°C

Apšvietumas
Max. 1270

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0,8

Recommendations

The platform is capable of doing benchmarking between apartment buildings or flats, and sends a message to each owner how well they are doing.

In case customers have algorithms, they can be implemented, and automatically generated recommendations will appear.

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LET'S CREATE INNOVATIONS TOGETHER!



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