CLOUD INDUSTRIES

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 though 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?

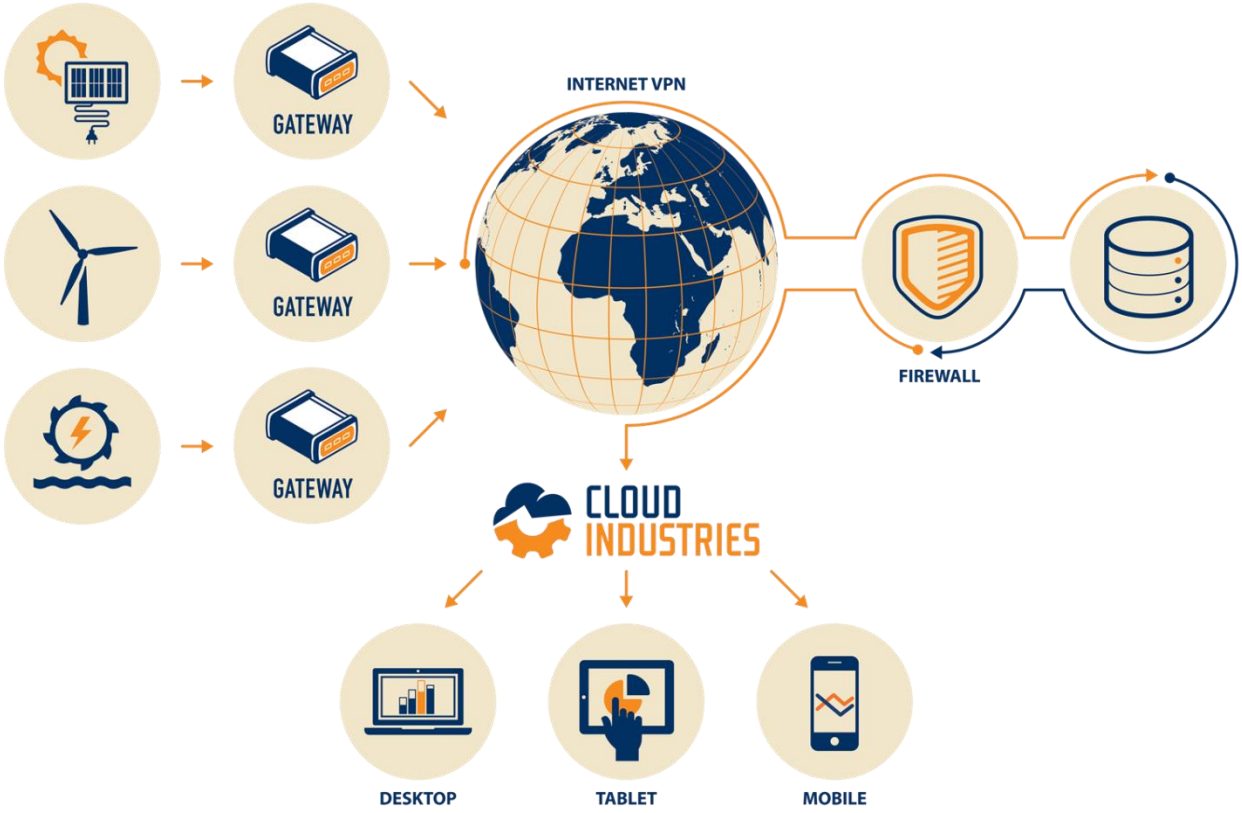
The architecture of CloudIndustries.eu is designed to work 24/7 by clustering and balancing the server instances where it will run, as well as support for high availability data base deployments.

Integration

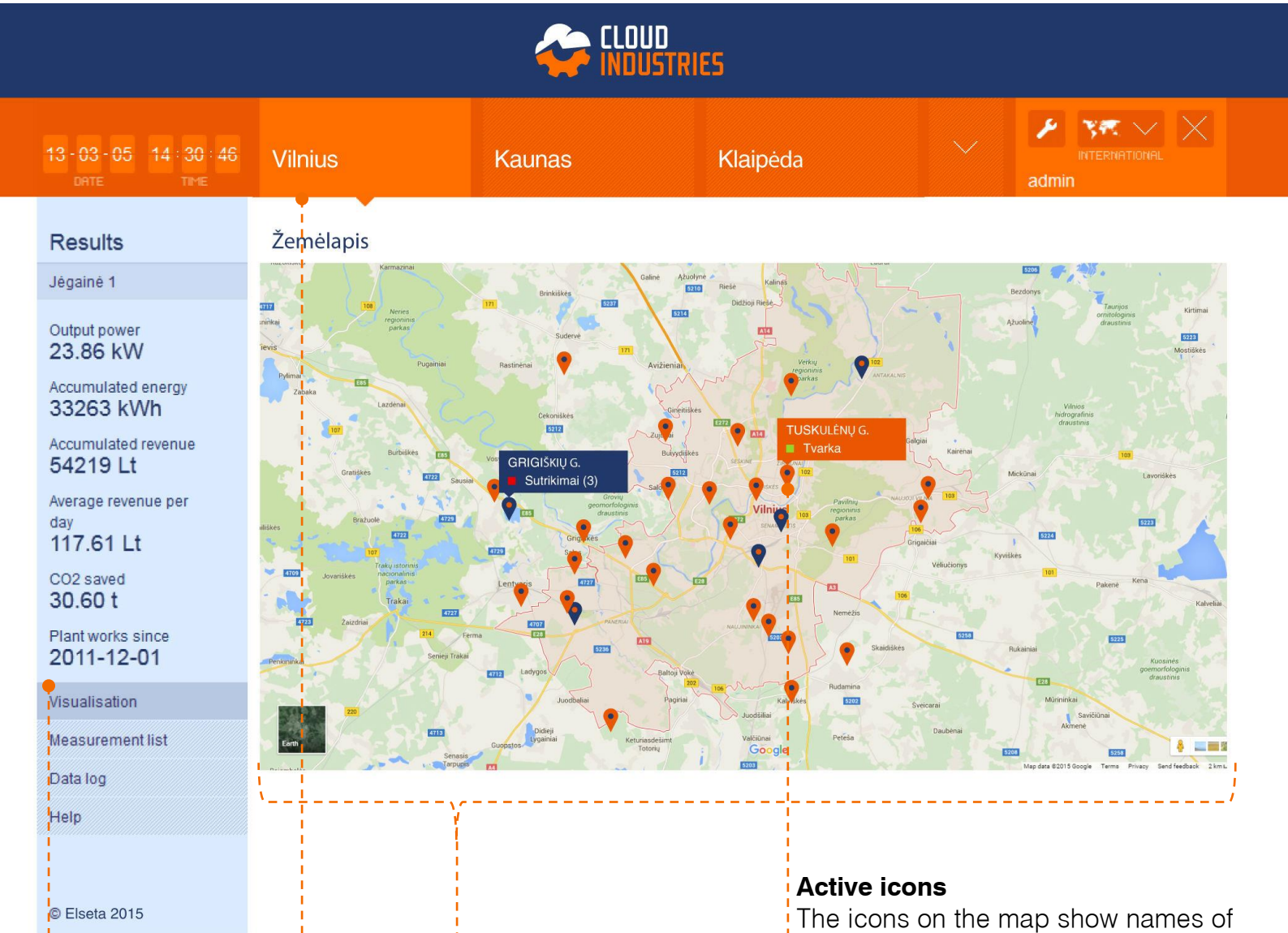
CloudIndustries.eu monitoring solutions can also be connected to third party or customer-owned software or services in order to develop complex monitoring and automation. Scalable for application of any size.

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



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

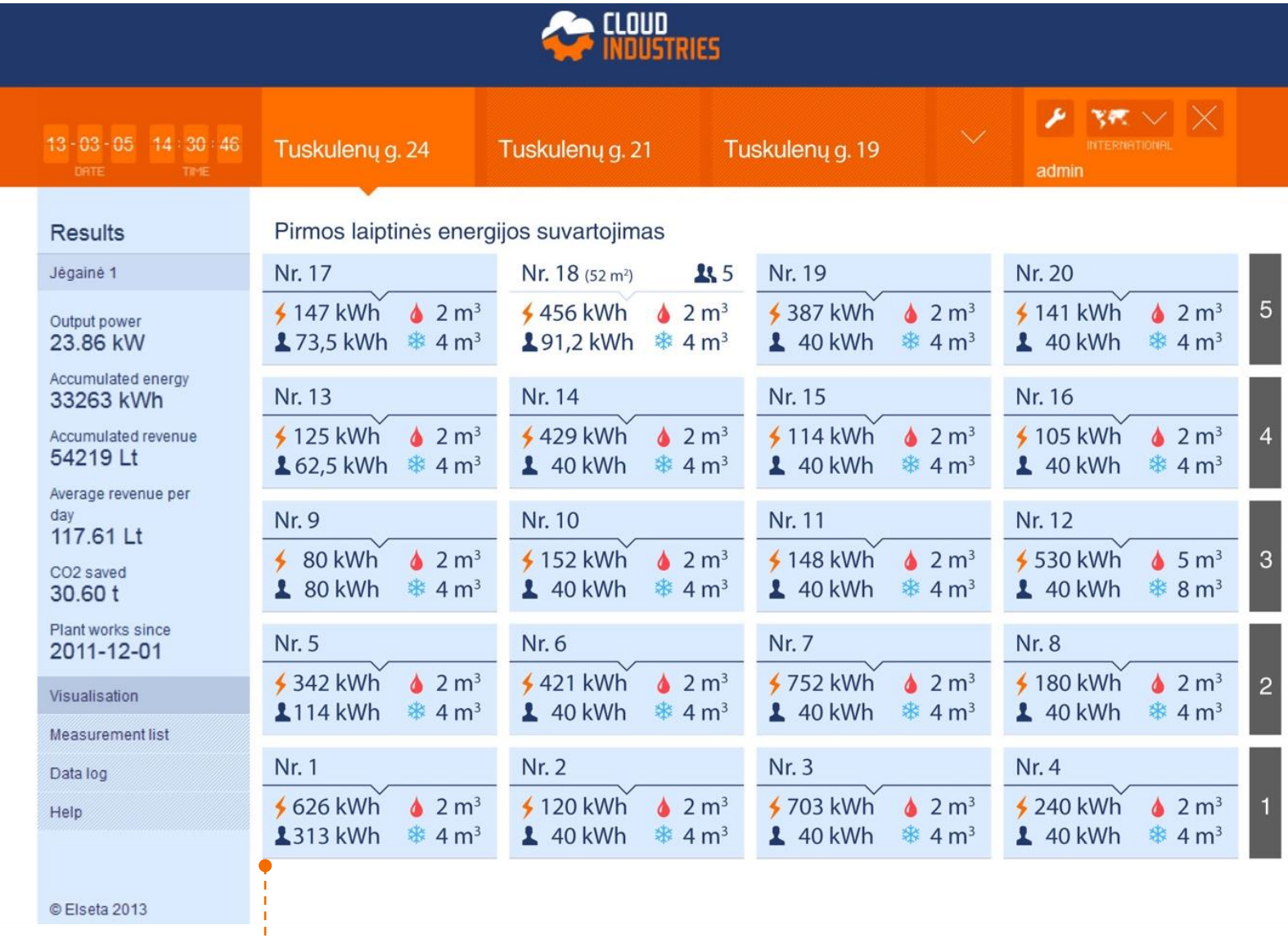
Easy navigation through sites
Navigation menu enables navigation through sites or geographical locations. This particular example shows navigation through different cities where you can see monitored apartment buildings.

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 our 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.

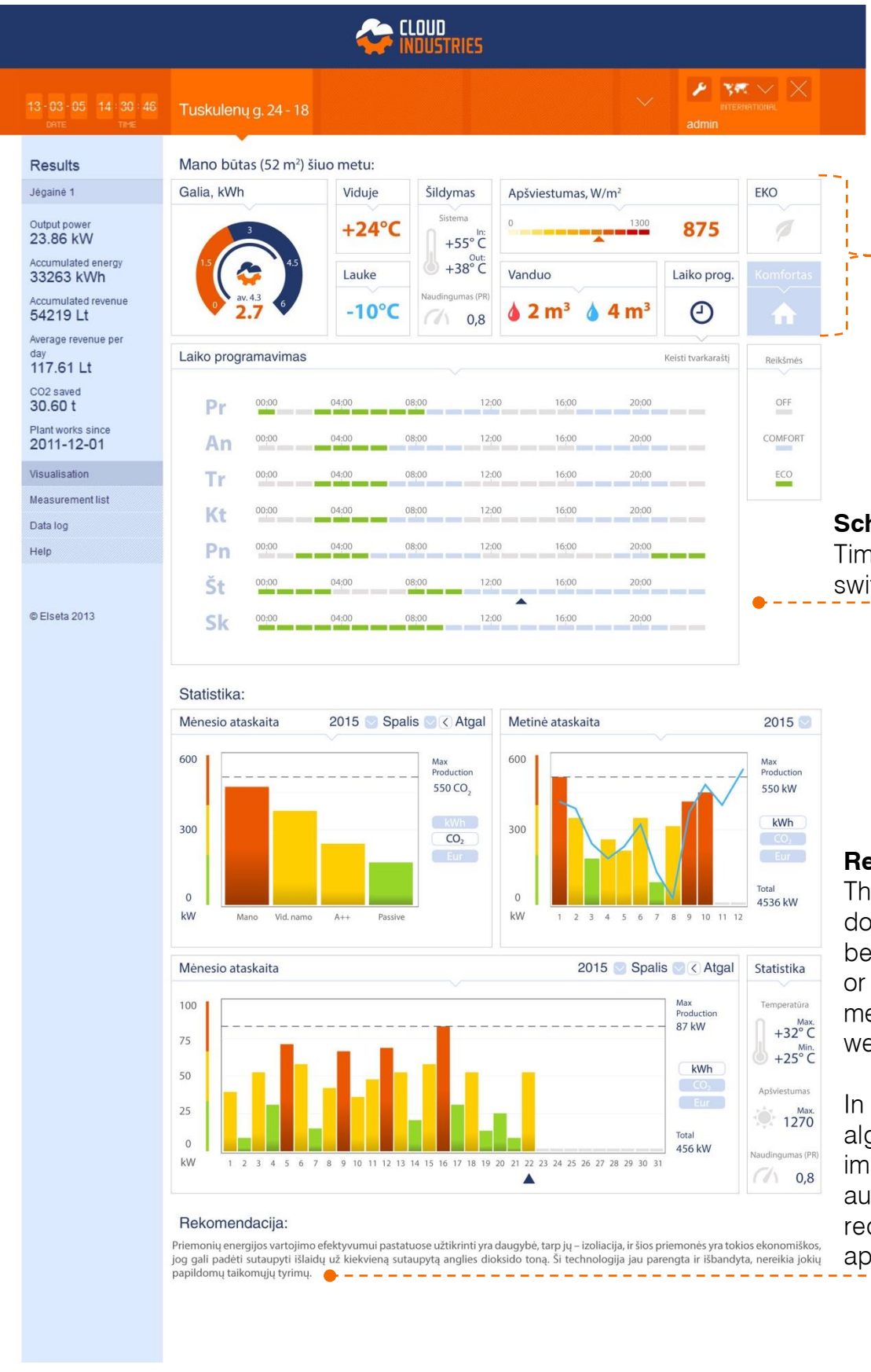
User interface

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).

Possibility to control

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



Switch between economy and comfort modes.

Scheduling
Time programming when to switch between modes.

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.

LET’S CREATE INNOVATIONS TOGETHER!

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