Energy Brain Cloud

The Energy Dashboarding platform for intelligent energy monitoring

Energy Brain Cloud is the Energy Dashboarding platform for continuous monitoring and visualization of energy consumption, energy produced/consumed and power quality (PQ).
It makes it possible to manage energy efficiency mechanisms through data collection and processing. Cloud technology allows the data collected by Energy Brain and by field sensors to be managed through a standard internet browser. Energy Brain Cloud can run on a local computer, be installed on a third-party web server or be offered as a service. The processed data can then be viewed and downloaded automatically in real time on any device, whether a smartphone, tablet or PC, without the need to install any software on the user's device.





HOW IT CAN BE USED

- Remote (SaaS): installation at the service provider
- Service managed by third parties: ESCos, consultants, associations
- Service managed by Electrex
- Local (on-premises): installation at the customer's site

SERVICE MANAGED BY ELECTREX

We take care of downloading the data from the instruments installed at the end users of Electrex monitoring networks and make it available to them as a service.

The service includes:

- Automatic publication of data on the Energy Brain Cloud platform
- Daily remote acquisition of data from installed instruments
- Secure backup, always available
- Data sharing via Web API with management software such as MES, SCADA or ERP software, and/or sending of customized energy reports

Customer benefits:

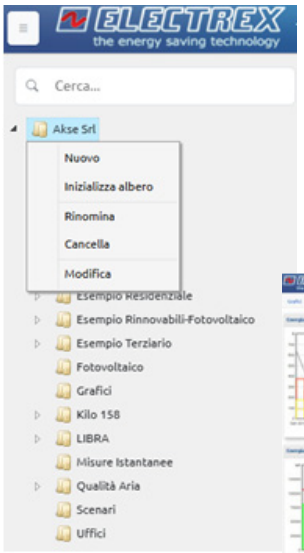
- Centralized, real-time access to energy data
- No software to install on the client side
- Improved energy management and reporting
- Easy integration with existing systems



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ELECTREX
the energy saving technology

Engineered and manufactured in Italy
Made in Italy
Pensato, progettato e prodotto in Italia

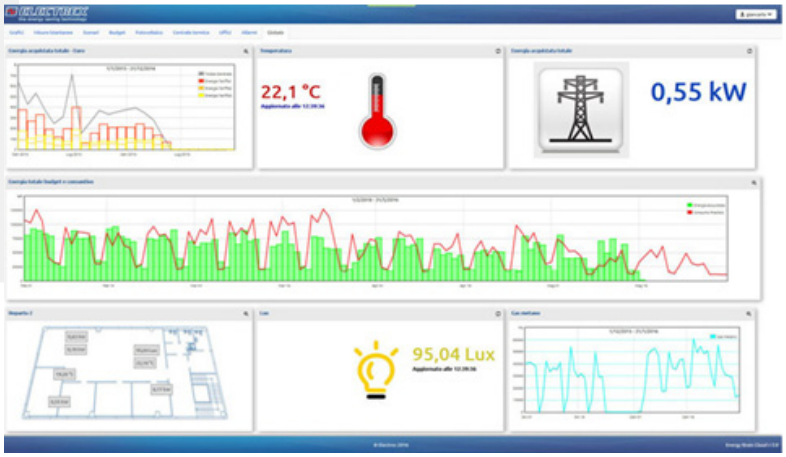


ENERGY BRAIN CLOUD DASHBOARD

A customizable interface based on graphical widgets that make it possible to display:

- Instantaneous and historical values
- Statuses (on/off), alarms
- Data in standard or custom chart formats

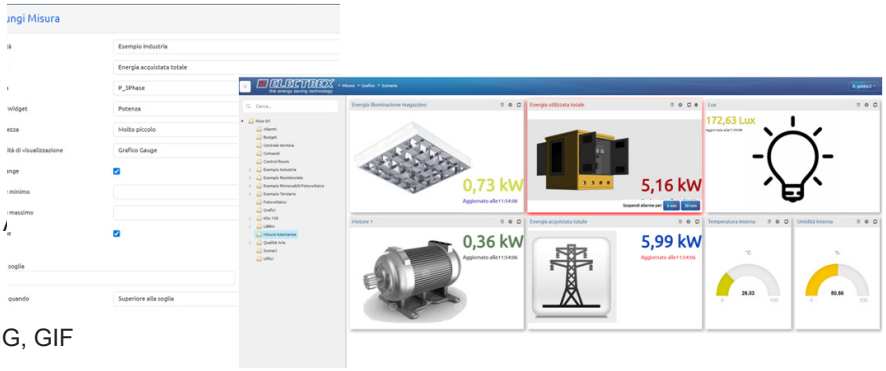
Each user can build their own customized dashboard, organizing the widgets in several nameable folders.



WIDGET TYPES

The widgets show all the measurements acquired by Electrex instruments, including:

- Electricity, temperature, humidity, luminosity
- Gas, water, steam, CO2, compressed air, heat energy
- Calculated values (e.g. costs in Euro)



Measurement widget

Display instantaneous values, counters and alarms. in the following modes:

- Gauge chart
- Counter
- Background image (customizable with JPG, PNG, GIF files)

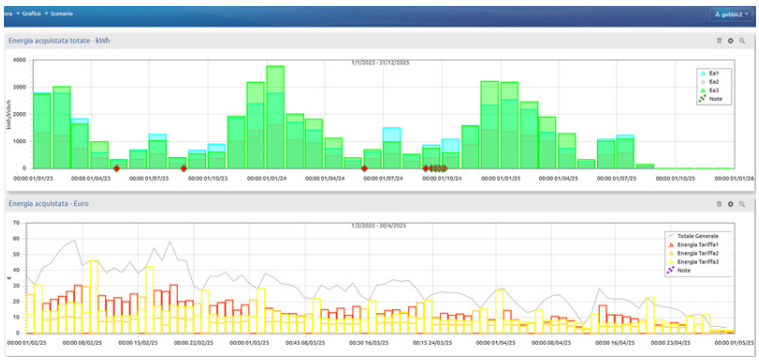


Chart Widget

Displays charts of the historical data stored over time.

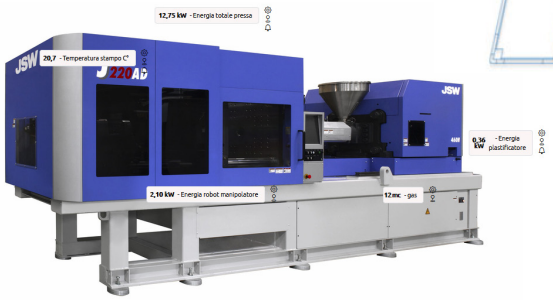


Scenario widget

Allow you to use background images (JPG, PN(which to place:

- Measurements and counters with local alar
- Labels with notes and comments

All elements are customizable (text, colors, borders).



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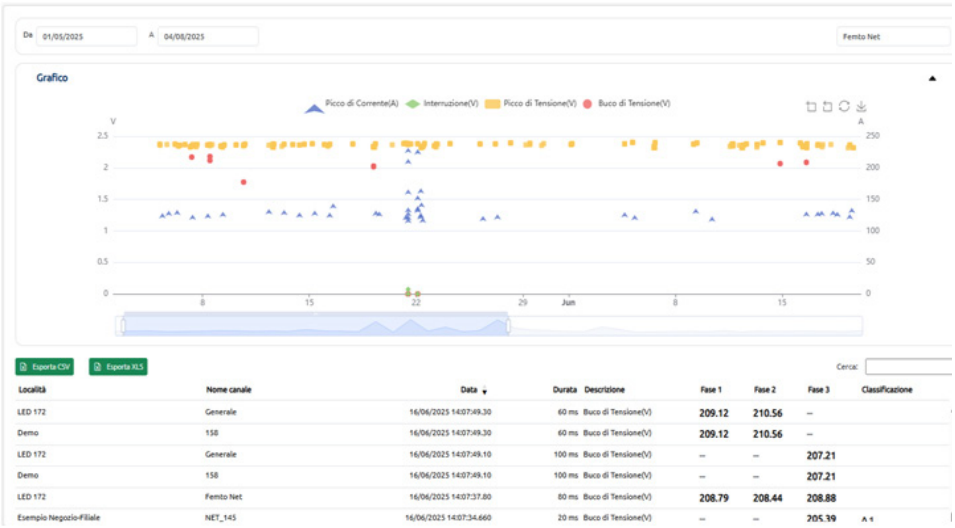
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POWER QUALITY

The new Energy Brain Cloud enables advanced display of the Power Quality events detected by Electrex analyzers.

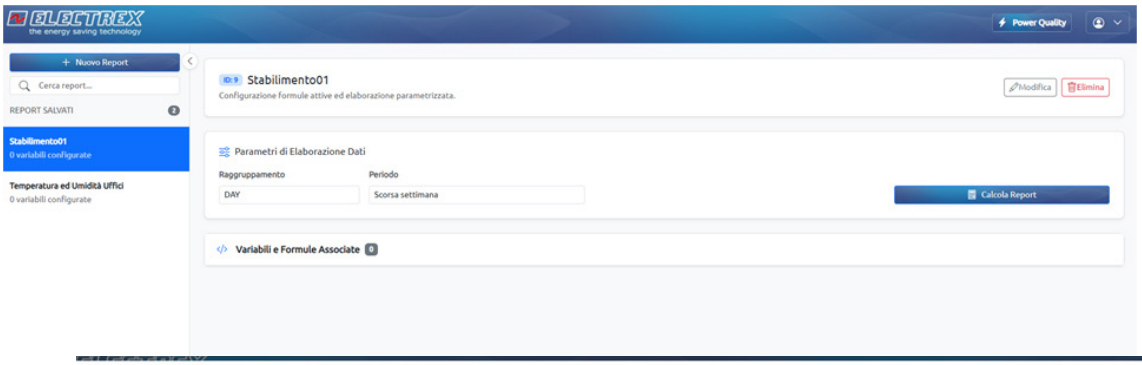
Main features:

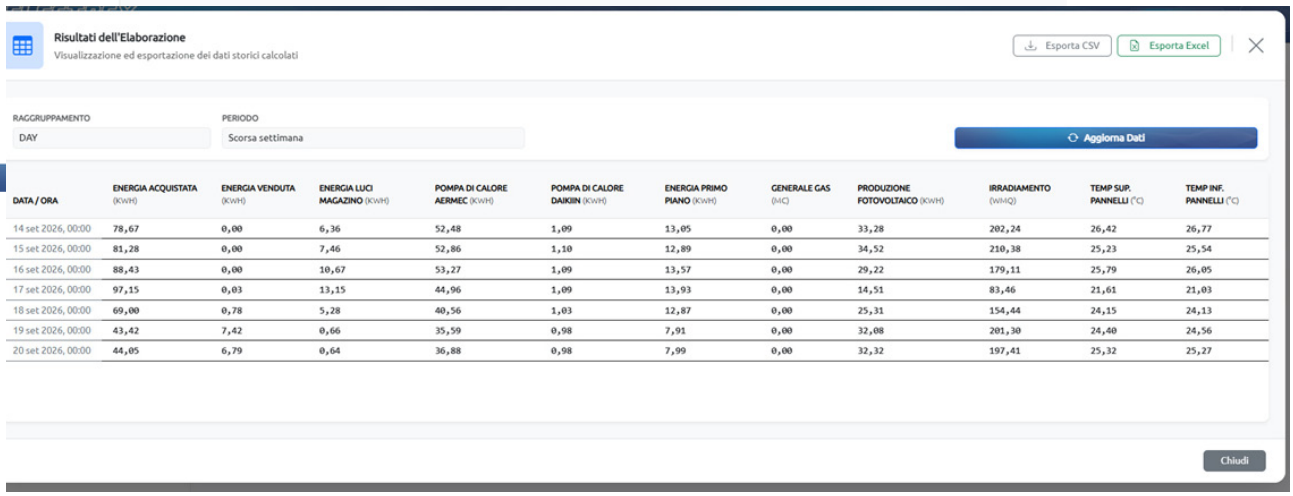
- Filters by location and device
- Time chart with legend and symbols for each type of event (current/voltage swells, voltage dips, interruptions)
- Detailed list of events with date, time and recorded values
- Automatic Unipede classification
- Data export in CSV or XLS format



MULTIFORMULA

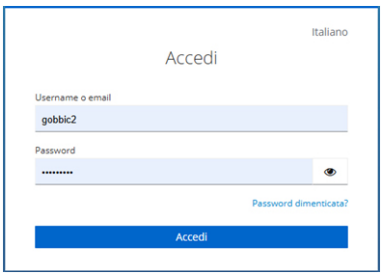
A new function that makes it easier to extract data directly from the web interface.

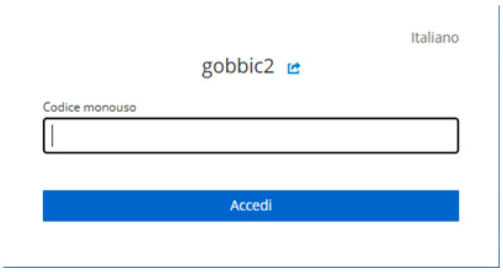


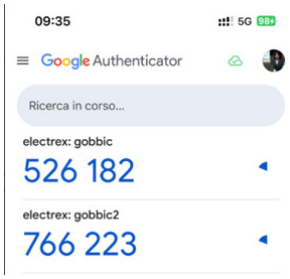


MULTI-USER AND SECURITY

Energy Brain Cloud supports multiple users through a two-factor authentication mechanism.
Each user can access only the data they have been authorized for by the system administrator.







PERSONAL CLOUD

Energy Brain Personal Cloud is an option that can be added to an Energy Brain application license.
It is a single-user version of Energy Brain Cloud that can only be used on the PC where the Energy Brain application is installed.



Energy Brain Cloud is an additional feature of the Electrex **Energy Brain Pro** application, completing the **Electrex IoE** (Internet of Energy) digital platform. **IoE is an EMS** (Energy Management System) that integrates hardware and software, through which plants and buildings can be controlled and managed. It combines **Monitoring and Energy Automation**, fields in which Electrex has been a market leader for years, with the ability to interact in real time with the various devices using the possibilities offered by **IoT systems**.

Pro ENERGY BRAIN

IoE internet of energy

ORDERING CODES

TYPE	CODE
Energy Brain Cloud 7.X 32 - 100 SK	PFSWEC1-SK7
Energy Brain Cloud 7.X 300 - 1000 SK	PFSWEC2-SK7
Upgrade Energy Brain Cloud X.X to Energy Brain Cloud 7.X	PFSWEC0-007
Option Energy Brain Personal Cloud	PFSWEC0-020

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Subject to change without notice
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