

Energy Analysis - Optional Module of EasyLink

EnergyLink is an optional module of EasyLink for an **energy data advanced monitoring**.

It provides the user with a **simple and intuitive graphical interface** that allows the analysis of energy data, enhancing the stored historical data, to develop optimization strategies and reduce energy consumption.

A powerful Chart Builder allows to create a library of custom charts, reusable from the interface or widgets inside graphical views, energy reports and dashboards. The integrated energy alarm algorithm allows automatic detection and reporting of consumption anomalies.

EnergyLink facilitates decision process and makes it possible to monitor the results and measure the savings.

Main Features

- Missing data compensation with peak suppression.
- Data visibility due to user credentials.
- Simplified energy chart builder.
- Aggregation of historical data.
- Drill Down function.
- Comparison and analysis charts.
- Standard and advanced energy alarm algorithm.
- Periodic customizable energy reports.
- Bill data import.
- Management of consumption accounting.
- Benchmarking based on the energetic features of sites.
- Possibility to use virtual meters in all Chart Builders.
- Multiple regressions management.
- Accounting for consumption costs.

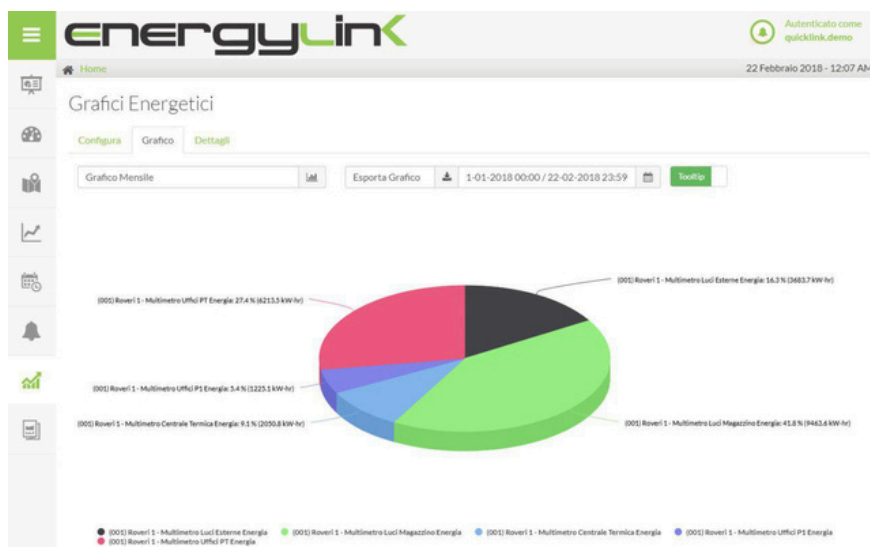


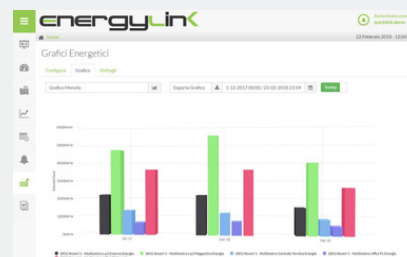
Chart Builders

Each chart has many features that let you get, easily and immediately, a general view of your energy consumption. EnergyLink has 4 different chart builders:

Standard Energy Charts

They allow to visually and immediately represent the data according to different criteria - sampling interval selection, hourly, daily, weekly and monthly grouping. You can stack data with absolute or percentage mode.

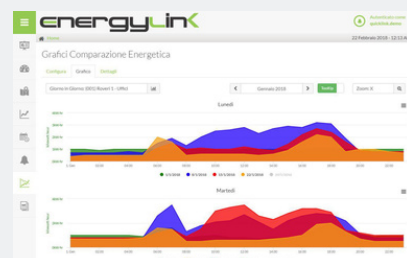
- **Time Shift** allows to compare historical data recorded in different periods. I.e., comparison of the energy consumption of the current month vs the previous month.
- **Drill Down** allows to explode the data by simply clicking on the data.



Energy Comparison Charts

They allow to compare data and group them according to different criteria.

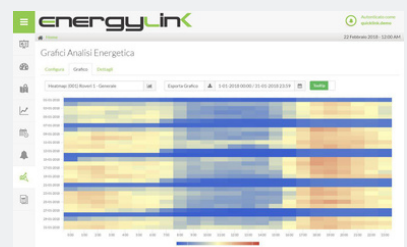
- **Minimum, average, maximum:** comparison of the minimum, average and maximum value of a single item on a daily or hourly basis.
- **Week on week:** analysis of daily values grouped for the same day and compared on a weekly basis.
- **Day on day:** analysis of hourly values grouped for the same day and comparing them on the weeks of the month.



Energy Analysis Charts

They allow to analyze the energy consumption data. Functions:

- **daily and monthly regression;**
- **multiple regression** of several variables in the same chart;
- **time shift** to compare different time periods (months, years, etc.);
- **heatmap** - hourly consumption representation;
- **standard and advanced energy alarm.**



Benchmark Charts

They allow to compare the consumption of one or more zones of the same plant with the zones of other plants, with the possibility of setting up specific filters for a quickly search of the zones that meet the set criteria (i.e., **Plant Filter and Zone Filter**).

- **Auto-completion function:** for easy configuration of filters when you select the criteria.
- **Accounting of consumption costs:** for accounting in the graph the consumption costs of the individual users of the plants, based on the profile set.



Plant Identity Card - Report

It allows you to visualize the energy features of a plant and have an overview of its conformation. Possibility of inserting the plant identity card within the reports thanks to a dedicated ReportWidget that uses all the features attributed to both the plant and the zones. Also viewable in the Chart Builder Benchmark.

