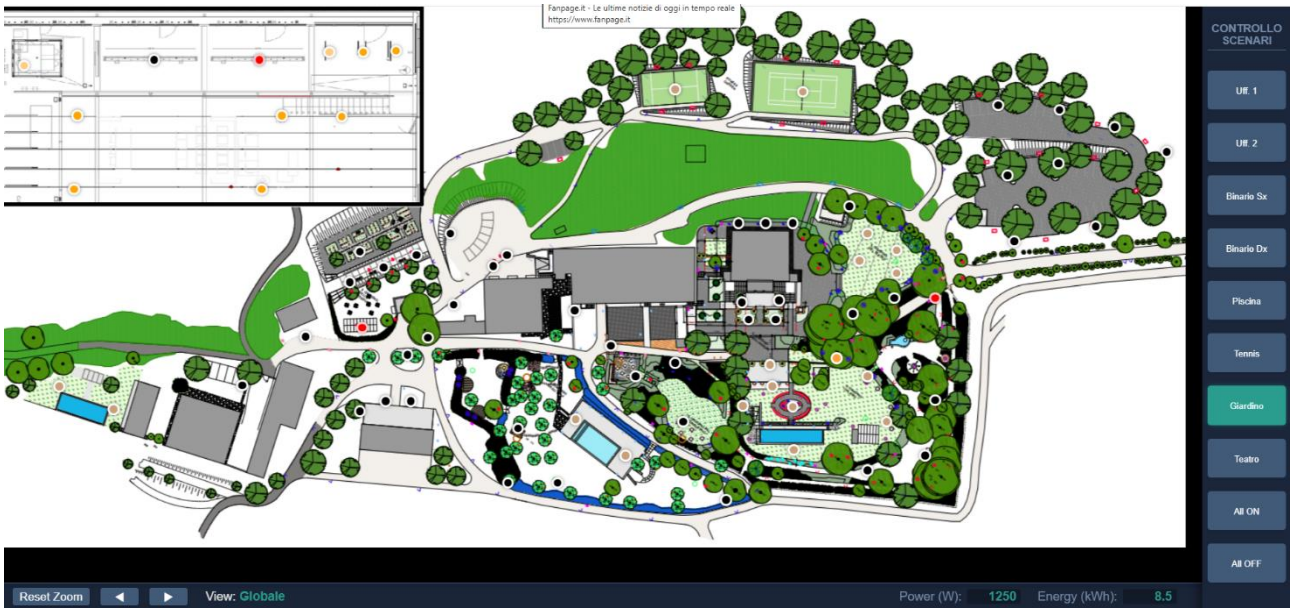
# Vision Light Interface Casambi (VLI Casambi)

## Casambi networks control and visualization system




**VLI Casambi** is a control and visualization system for lighting installations controlled by the Casambi wireless home automation system and seamlessly integrated into the Casambi ecosystem. The system is equipped with a dedicated AI agent that manage voice commands and assist the user during setup and use.

The system is web-based and accessible via a browser on any device (22" touchscreen recommended) and any operating system (Windows, iOS, Android, Linux).

It allows for simple and intuitive system management, especially for large systems with multiple devices.

A Casambi gateway is required on each monitored network, along with a reliable Wi-Fi/Internet connection for the gateways and the device displaying the **VLI Casambi**.

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The system requires no local installation.

Access is via username/password on a dedicated login page.

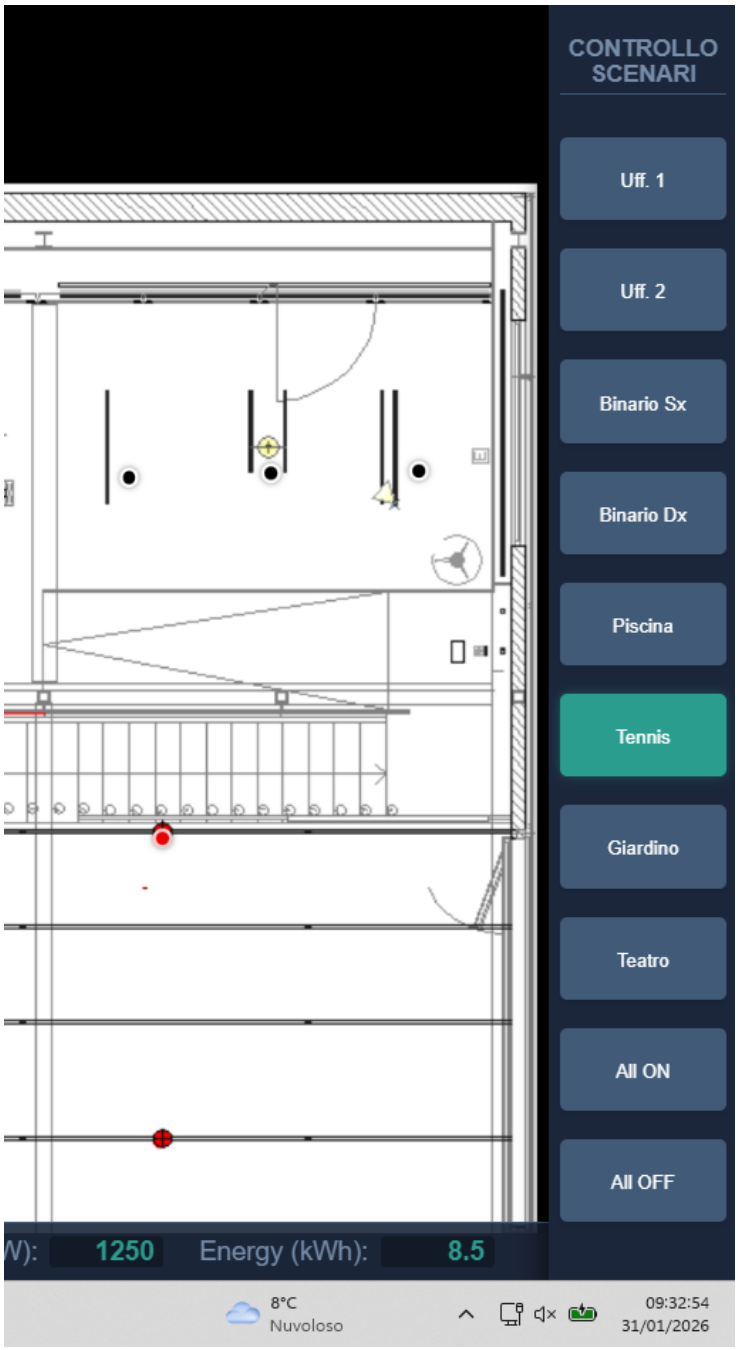

Each fixture paired to the Casambi networks monitored by **VLI Casambi** is displayed and located on real, zoomable floor plans of the system or part of it.

The fixture is represented by an icon with colors that vary depending on its status (black = Off, gray-orange = On (depending on dimming), red = fault).

Clicking (tapping on the touchscreen) opens a tooltip with information about the lighting fixture (name, status (OK/type of fault), (online (Y/N), network to which it belongs, dimming level).


A double-click (long touch) opens a slider that allows you to set the dimming level of the fixture.

You can position multiple icons per fixture for LED strips, fixtures with a common power supply distributed over large areas, etc.




Management of up to 8 Casambi networks, 8 network plans, and a global plan.

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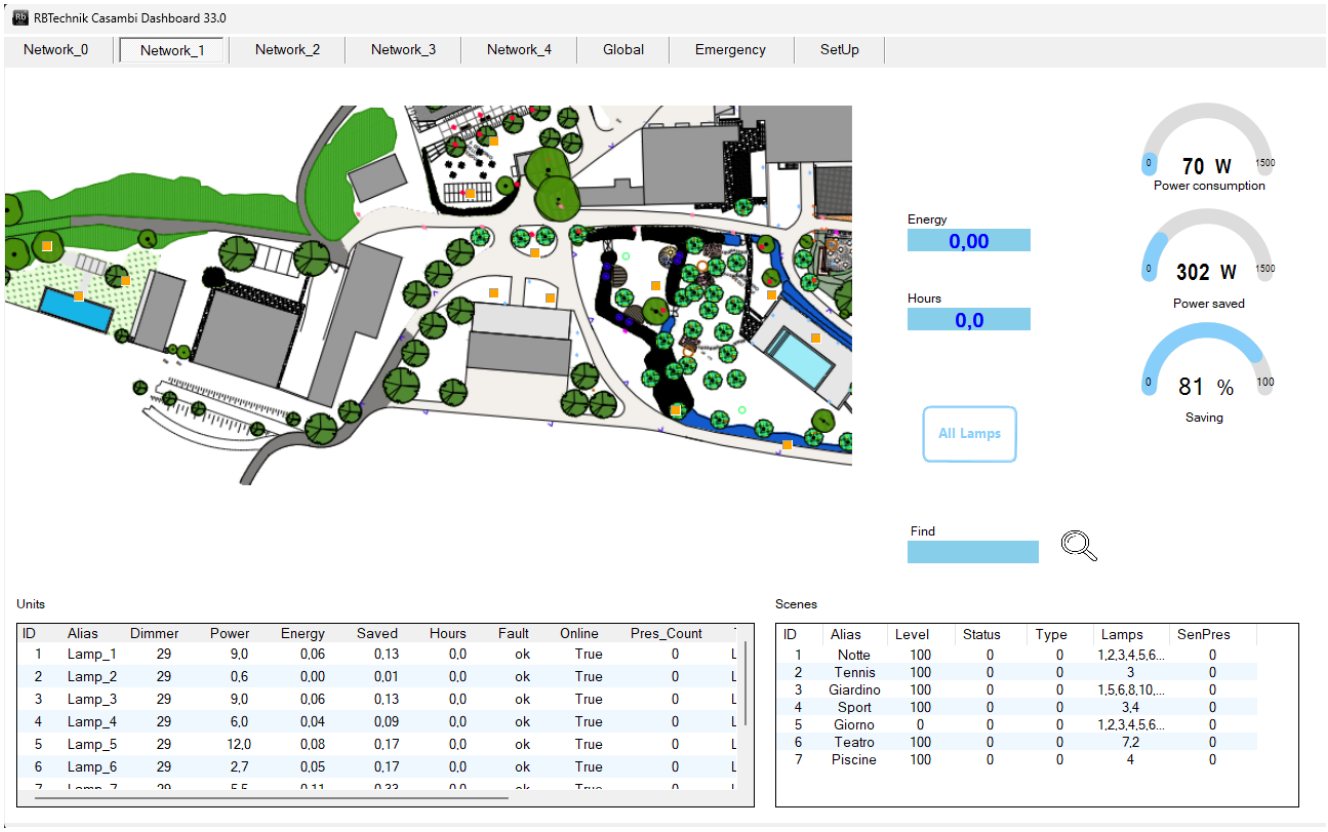
Up to 20 global scenario control buttons (the scenarios can recall scenes from different networks).




Virtual metering option:

**VLI Casambi** calculates the power and account for the energy consumed by each individual appliance, and then display the system's total power and energy billing.

Calculates and account for the energy saved by the system using natural light-based dimming (also possible with manual dimming).

Calculates and account for luminaires operating hours.

The used power measurement algorithm works with any type of dimming:

Casambi direct, DALI, 1-10V, DMX, or even non-dimmable ON/OFF appliances (the appliance's nominal power and dimming curve type are required).

The system is not intended for precision power measurement, but for evaluating energy savings (and return on investment) (accuracy +/- 10%).

Continuous logging of power, energy(charts), operating hours, events, and faults for diagnostics and reporting.

Customization and commissioning procedure:

1) The customer/user must provide the listed documents required to configure the **VLI Casambi**:

a) Administrator access details for the Casambi networks involved.

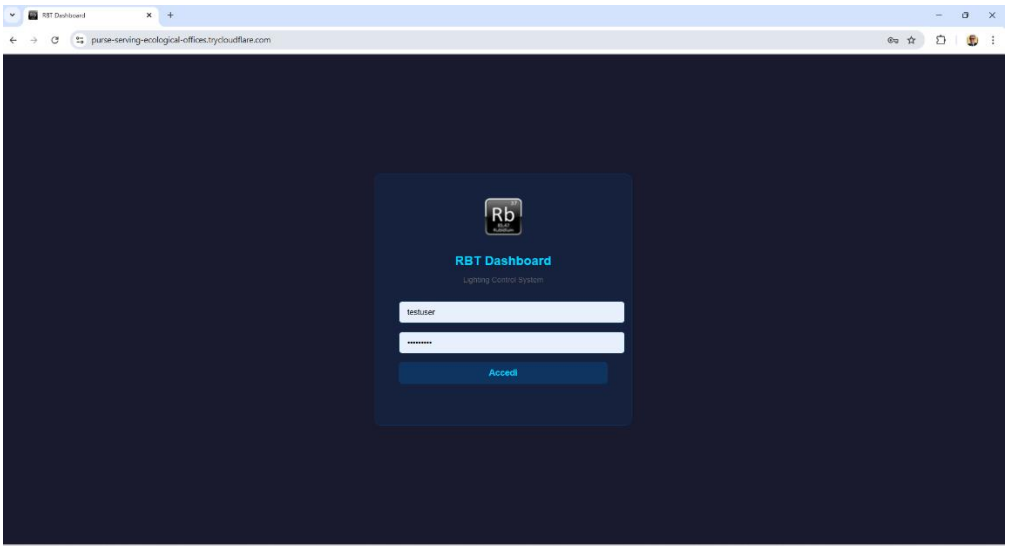
b) Floor plans Autocad files (.dwg) with lamp position and lamp ID.
We provide pre-configured template.dwg file

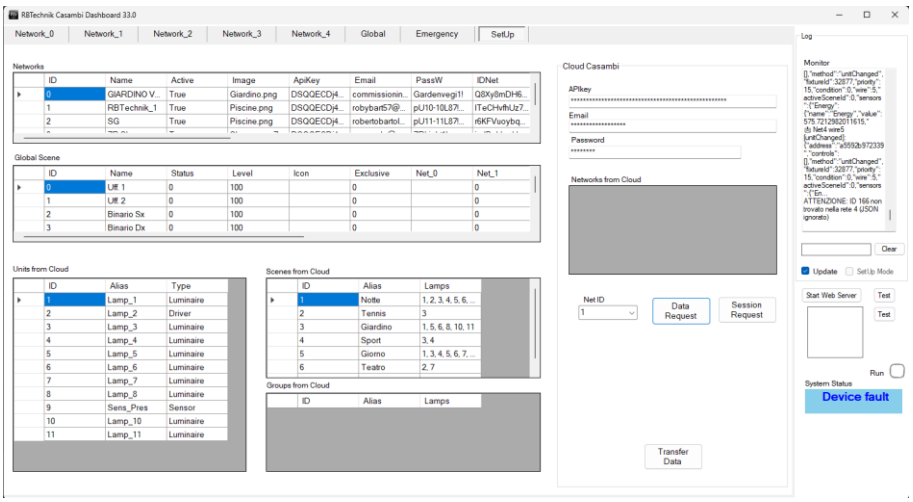
c) Virtual metering option active: Luminaires nominal power data and dimming curve (driver brand/model)

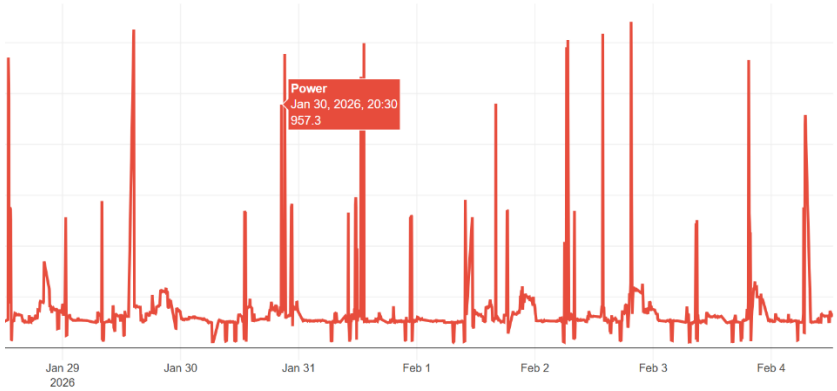
2) System commissioning (luminaires, scenes, timers, presence sensors, etc.) is usually done via the Casambi/CasambiPro app.

Once the commissioning is completed (and stabilized) and the required documentation is received, we can start configuring the ZR Dashboard, generate the web pages, and provide the access coordinate (2 factor auth.)

The system is designed for customizations/functionalities upon customer request (presence counting/occupancy, , data acquisition from compatible Casambi sensors, ecc).

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