adquio | SUPERVISION AND CONTROL

Adquio SCADA Server

The local control and visualization interface for your installation

Reference: ADQ-SCADAS-AL
Category: ADQUIO · SUPERVISION AND CONTROL

DESCRIPTION

Local web platform that turns the Adquio controller into a complete visual control center. Design custom supervision screens, visualize data on plans and access historical data, all from any browser connected to the local network, without the need for internet.

BENEFITS

Visual control without programming

Design customized control screens by connecting graphic elements to the Adquio controller variables, in a completely visual way, without code or the need for external design software.

Interactive plans with real-time data

Overlay indicators, controls and trend charts directly onto the building plans. The client sees the installation status exactly as it is physically distributed.

Integrated historical data and alarms

Record and display the history and alarms of any variable, temperature, consumption or equipment status, with trend charts ready for reporting and preventive maintenance.

Local access without relying on the internet

Runs on its own device, on the client's local network. No cloud subscription, no remote latency and no risk of losing control due to an internet outage.

TYPICAL APPLICATIONS

Technical rooms

Local supervision of equipment, electrical panels, sensors, alarms and general installation statuses from a centralized SCADA screen.

HVAC climate control

Control and monitoring of HVAC, ventilation, temperatures, operating modes and the building's energy consumption.

Industrial installations

Visualization of processes, machines, digital signals, analogue variables and alarms in environments where reliable local control is needed.

Pumping and tanks

Supervision of pumps, levels, pressures, flow rates and alarms for hydraulic installations, pressure booster groups or storage systems.

Energy and consumption

Monitoring of electrical consumption, energy production, network statuses and critical variables to optimize installation performance.

Smart buildings

Visual integration of lighting, climate, access, technical alarms and other building systems in a customized SCADA interface.

Is this product part of your project?
Contact us and we will prepare the complete technical proposal for you.

WHEN TO CHOOSE ADQUIO SCADA SERVER?

The SCADA Server is the ideal option when control and supervision are carried out within the installation's local network, without depending on the internet. It is designed for projects that require autonomy, security and access from within the building; if remote access is needed, it can be combined with Adquio Nexus.
Choose Adquio SCADA Server when your project includes any of these scenarios:

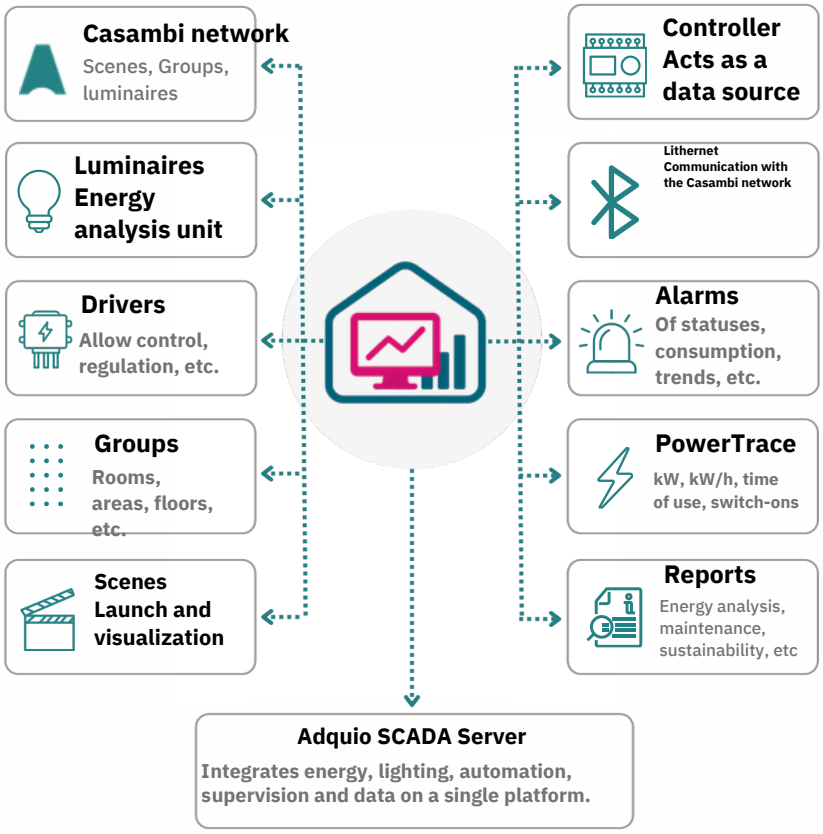
→ **Access from the same building or network**
The SCADA Server is ideal when the client, operator or maintainer works connected to the installation's same local network. It allows the system to be supervised and controlled directly, quickly and securely from within the internal environment.

→ **No need for external remote access**
It is the appropriate option when access to the installation from outside, from other sites or from the internet is not required. All control remains concentrated within the local network itself, simplifying the project architecture. Total independence from the internet
It is especially useful in critical or industrial installations, or those located in areas with limited coverage. The system can continue operating even when there is no internet connection, keeping local supervision operational. Remote access through Adquio Nexus
When the project requires external access, the SCADA Server can be complemented with Adquio Nexus. This preserves the robustness of local control and adds secure, controlled remote connectivity.

→ **Centralized installation supervision**
It allows the status of equipment, variables, alarms and installation processes to be concentrated in a single interface.

→ **It gives the operator a clear view of the system, streamlining supervision, diagnosis and decision-making. Maximum performance on the local network is sought.**
Communication between the SCADA and the controllers takes place within the installation network, providing a fast response and great stability. It is the ideal solution when speed and reliability are priorities.

TYPICAL ARCHITECTURE



ESPECIFICACIONES DEL PRODUCTO

Type	Web software · local platform
Access	Web browser on the local network
Internet connection	Not required
Where it runs	Dedicated industrial computer
Licence / Price	One-time payment
DESIGN AND CONTROL	
Screen editor	Visual, no-code, drag & drop
Interactive plans	Overlay of controls and data on plans
Real-time control	Yes, acts on controller variables
Compatible devices	Any web browser (PC, tablet, mobile)
DATA AND HISTORICAL RECORDS	
Trend charts	Yes, for controller variables
Historical data	Yes, stored in the SCADA
Variable limit	Not recommended for more than 3,000 variables (no limit), maximum 30 simultaneous users
INTEGRATIONS	
Compatible variables	
Compatible with	Adquio Server · Micro Server · Lite · Mini · Link (and any device with Modbus-TCP)