



EDS / EDS-3G

Your energy manager



Efficiency Data Server, EDS

is an electrical data logger, with an integrated web server.

The device has an embedded PowerStudio system, a feature that means the user does not need a physical computer for supervision and control; data monitoring and exploitation tasks can instead be directly performed on the device, with a standard web browser. This feature makes it particularly interesting for small installations where IT resources are not accessible to the customer (installation of dedicated servers).

The fact that this device is standalone makes it perfect for the distributed control of different locations, being able to centralise in a single point all electrical energy monitoring and

consumption information. In addition to the range, a system is offered with a built-in GPRS/3G modem. This feature makes this device very interesting for remote installations, where Internet access is not possible via traditional connections (ADSL).

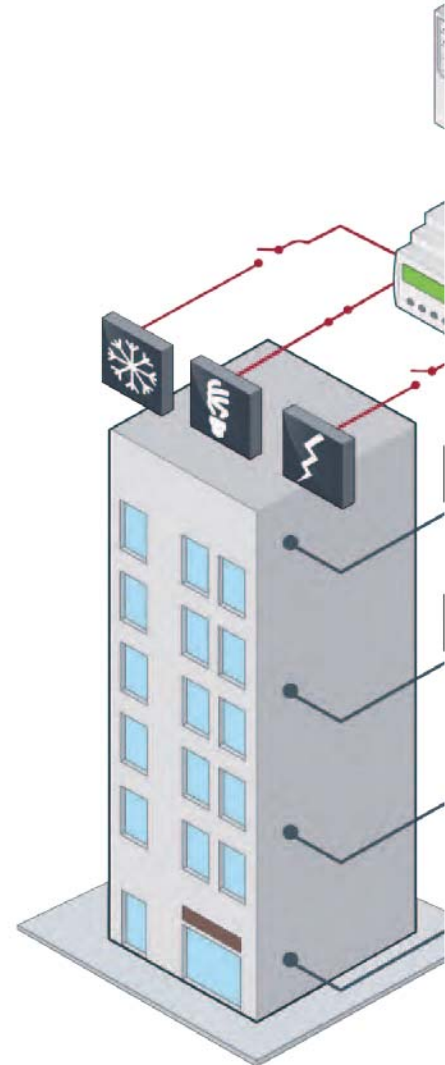
This allows wireless communications between the user and the logger, being able to display and import all information from the supervised centre remotely. Naturally, as with the standard version, EDS-3G can be connected automatically to a higher data centralisation software, in the case of several centres, therefore enabling centralised data management.

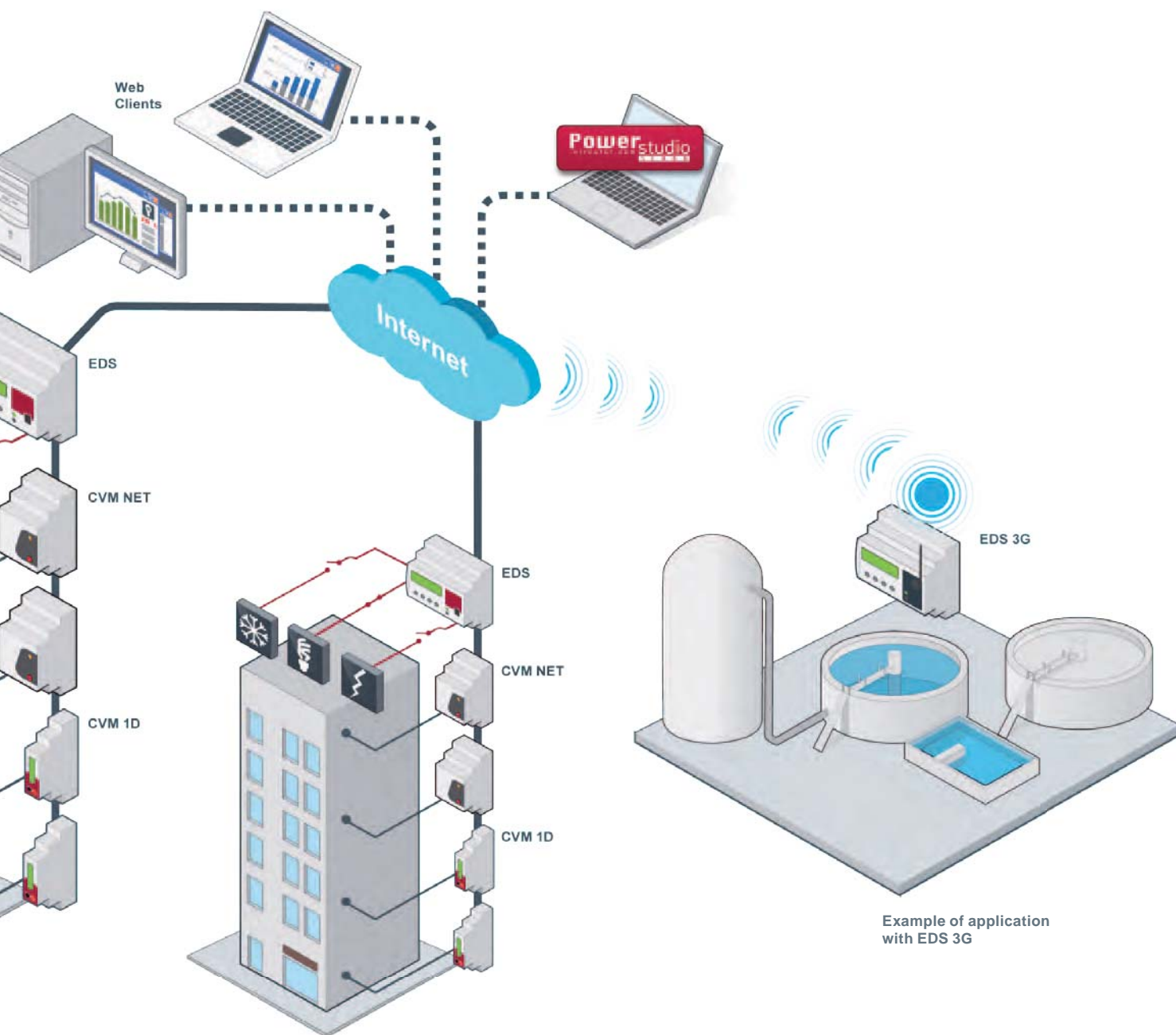
Both references have an XML communication server as standard, providing possible integrators with all information on variables in real time, historical data, alarm status, etc.

The main features of both devices are:

- Analyzer and energy meter record log
- Web display of stored data, generating tables and graphics with a standard web browser
- Real time display of the main electrical variables
- Alarms or installation events log and display system
- Possibility of sending e-mails in relation to network incidents

And much more besides.





Main applications :

Repeater centres (Telecom sector)

Using the communication infrastructure, **EDS** allows you to display the general consumption of all your supply contracts, enabling comprehensive cash flow forecasts. If necessary, you could control or remotely manage the installation's principal loads, with the purpose of optimising the start and stop of remote devices (e.g. air conditioning systems).

Evidently, another of the main objectives is to know the status of the protection elements, as the continuity of the telecommunications service depends on this.

Banking sector / shopping centres

As with the telecommunications sector, by using their own existing communication infrastructure, the user will be able to exactly know energy consumption by use (air conditioning, industrial refrigeration, lighting, power, etc.).

Understanding the installation's behaviour allows the user to establish basic consumption lines and an empirical comparison, applying and comparing consumption ratios between different centres (e.g. kW·h/m²).

This system may also serve as a continuous audit tool to determine the status of the installation's reactive load

and warn before incurring any invoice penalty, as well as to determine the presence of harmonics, due to the installation of non-linear loads.

Other installations capable of using this system include small manufacturing industries, remote pumping stations, retail chains, shopping centres, etc.

Manage your installations efficiently, applying solutions that help you identify where and in what type of use energy is being consumed, applying energy efficiency solutions to manage those consumption sources. ▶