Elpower
power electronics

CLEANCONTROL

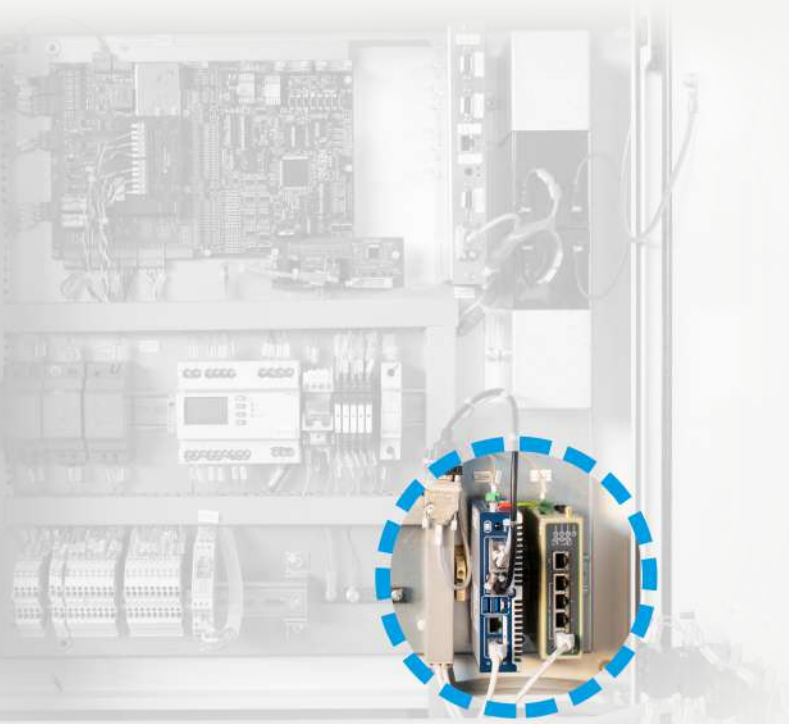
RENEWABLE SOURCES

REMOTE CONTROL

AND DATALOGGING DEVICES

CLEANVERTER, CLEANVERTER TL and CLEANVERTER PV products can be integrated with a local or remote system of supervision which can be implemented by combining in different ways (see table) the elements written below:

- **Supervision software Elpower WindNew or Elpower SolarMonitor**
- **PC embedded fanless supplied with SSD, USB, RS232**
- **Router 4G**



Here are the possibilities offered by combining these elements.

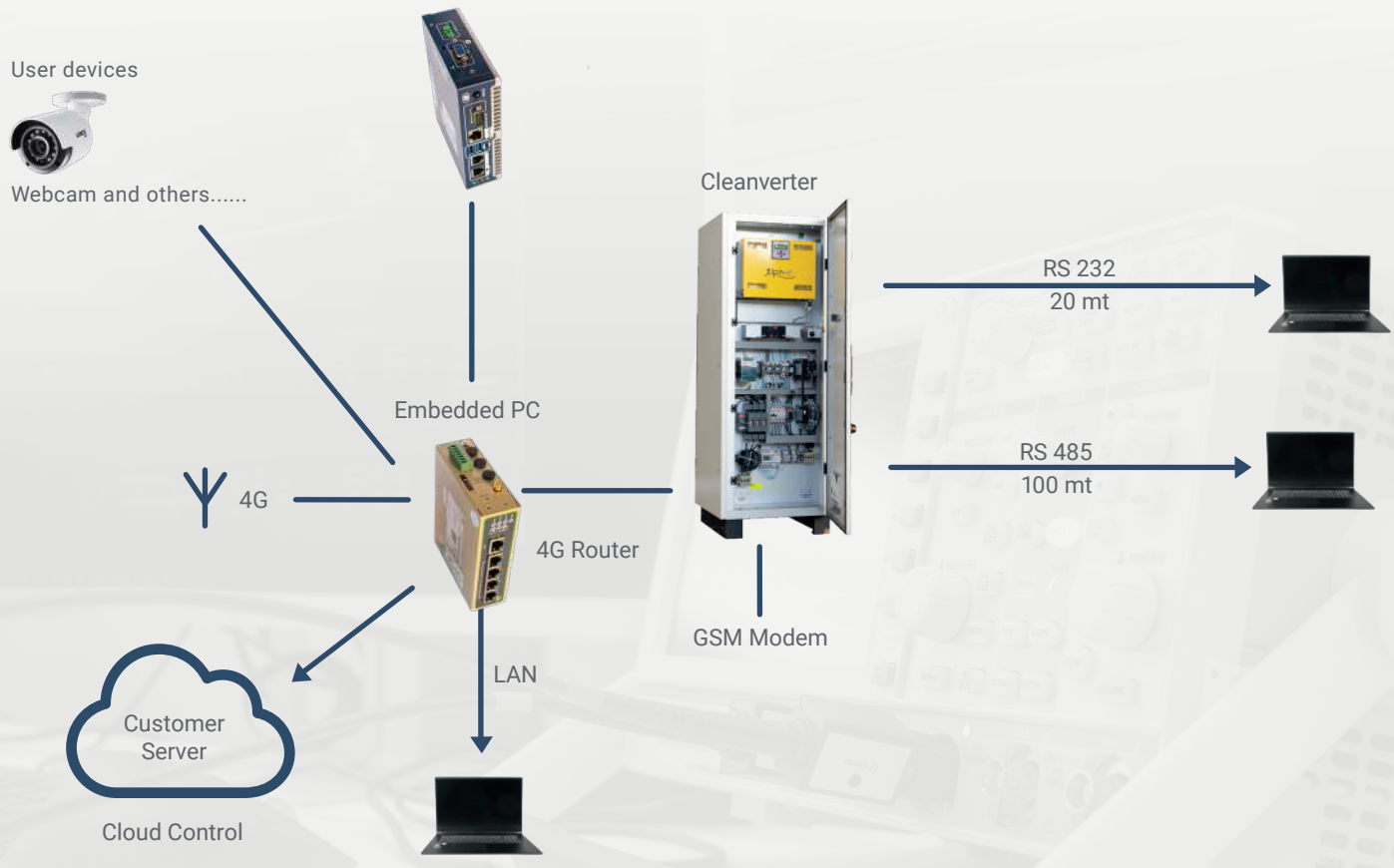
- **Data displayed in real time:** Display of values of the machine working status, among which: voltages and currents on grid and generator side, power, energy, temperatures, anemometer data, machine status and faults, event record, etc.
- **Data logs on the pc:** Saving data in csv file type containing all the values of interest on the inverter. The default sampling interval is 1 second and is customizable from 0.5 to 2 seconds. The log analysis allows to obtain detailed information during the whole time in which the machine remains in operation status.
- **Setup reading and modification:** It is possible to read and in case modify the set up of the machine and the torque curve to be followed by the generator. It is also possible to import and export configurations and torque curves.
- **Updating inverter software:** Updating and in case personalization of the software.
- **Mail sending:** Sending of mail messages about the machine status, indications of blocks, no grid, production levels, etc.
- **Remote access:** it is possible a remote look up of the pc embedded by the supervisor. It is possible to access by remote mode (any internet spot, tablet or smartphone) to all data in real time, download data logs, modify the setup and the curve.
- **Cloud control on custum server:** Data exchange with customer server via HTTP.

This mode is also used by Elpower in case of need for service and remote update of the software; as for service activities, it is also available the oscilloscope on board function

	A	B	C
	Supervisor + client's pc	Supervisor + PC Embedded	Supervisor + PC Embedded + Router
Data display in real time	YES	YES	YES
Data logs on the pc	YES - when connected to the inverter	YES - for the whole operating time of the inverter	YES - for the whole operating time of the inverter
Setup reading and modification	YES	YES	YES
Updating inverter software	YES	YES - only in local	YES
Mail sending	NO	NO	YES
Remote access	NO	NO	YES

* With programing cable

A) Client's PC with supervisor, connected via RS232 to the inverter
B) PC Embedded with supervisor, mounted on DIN rail and connected via RS232 to the inverter
C) As B plus Router 4G connected via Ethernet to PC Embedded



Elpower

power electronics

Via A. Beggiato, 23 Int. 1
36025 Noventa Vicentina
Vicenza, Italy

Phone: +39 0444 78 78 82
Email: info@elpower.it

www.elpower.it

Scan the QR Code for
learn more about Cleancontrol