

UNIQUE FEATURE OF [STYLITIS-10 DATA LOGGER](#): **IDEAL for MINI / SMALL SCALE WIND PROJECTS**

Calculate the wind turbine's electrical energy production in real time, **BEFORE** its installation in order to have a secure investment!

The production assessment cannot occur simply from the average wind speed.

An analytical calculation in the entire wind speed range is required, because in each wind speed, the wind turbine produces different power.

Via [Stylitis-10](#) the candidate client/investor has a direct assessment of an area, without processing the data in a computer.

[Stylitis-10](#) data logger calculates directly the wind turbine's produced energy **BEFORE it is installed** in order for you to have a secure investment!

View in *real time* the **daily** and the **total** production, either in the *data logger's screen* or *remotely* via Stylitis-10's operating software, [Option 4](#).

Moreover, the full wind speed data are stored in the data logger's memory for download and further analysis in a PC.

Usually, the small wind systems consist of multiple small wind turbines.

It is obvious that one data logger which measures wind speed at the wind turbine rotor's height, suffices for the wind energy assessment of the area.



How to activate the Energy calculation and view it

- Via Stylitis-10's operating software, [Option 4](#), connect to the logger (e.g. serially via its PERIPHERAL RS-232 port). In the site's 'Home' tab, in the 'Accumulator Status' bar on the right, click the 'Get values from Logger' command. If the 'Viking 25 W/T energy' setting is OFF, click it to set it to ON and activate it. Moreover, the *recording interval* must be at least 1 min! Change the interval, by reading the logger's Inputs Setup, via the corresponding command in Option 4's 'Setup' tab, in the 'Data logger online' bar on the left.
- Afterwards, in order to view the energy produced in the data logger's screen in real time, press the MENU button once and the Ch1's values will appear. Every few seconds, the display alternates between the channel's instant value (wind speed) and the following measurements: "**daily**" kWh (the total energy produced during the day) and "**Total**" kWh (the total energy in general).
- Via [Option 4](#), these real-time values can be viewed remotely as well, by connecting to the logger via GSM/GPRS or Ethernet. Again, you need to click the 'Get values from Logger' command, in the site's 'Home' tab, in the 'Accumulator Status' bar on the right. The 'KWh today', and the 'KWh total' lines will be updated.
- Finally, you may reset independently these two displays, by clicking either one of the 'KWh today -> Reset' or 'KWh total -> Reset' lines.

APPLICATION EXPANSIONS

Furthermore, even in **running wind projects**, [Stylitis-10](#) has multiple applications, since it combines data logger, controller, alarms, remote communication-networking (cloud) device, e-mails, sms, compatibility with MODBUS and SDI-12 sensors, etc

It is expandable and it allows you to monitor your wind farm and verify its proper operation, as follows:

- Measure the actual wind speed (the data logger is expandable as **full meteorological station** as well. *It is compatible with sensors from all vendors*).
- Measure (by adding additional sensors) the output measurements of your wind turbines, such as energy, voltage, current, etc.
- As a controller, it can drive relays, either remotely on your command, or automatically, depending on conditions satisfied by certain measurements.