

Energy Studio Manager

MANAGEMENT OF A NETWORK OF ELCONTROL ENERGY ANALYSERS

DESCRIPTION

ENERGY STUDIO MANAGER

COMPLETE, EASY-TO-USE, EXPANDABLE SUPERVISORY SOFTWARE

For Windows 9x, 2000 and XP

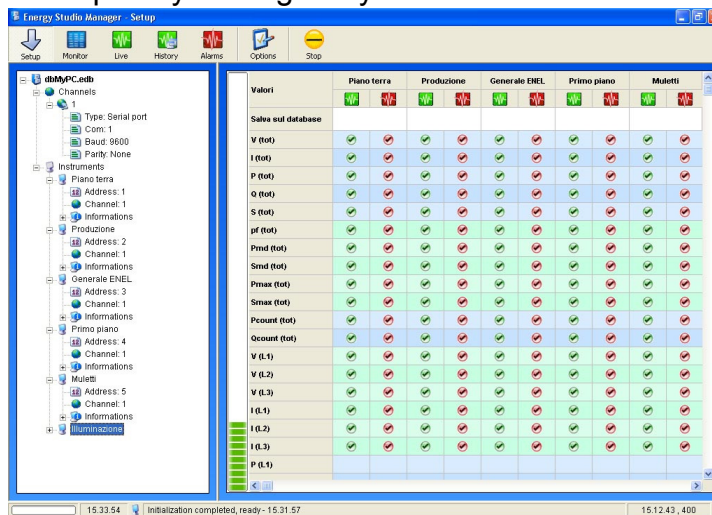
Languages: UK, IT, DE, FR

ENERGY STUDIO MANAGER is the professional solution for management of a network of Elcontrol energy analysers. The Key Word about E.S.M. is flexibility:

Monitor, E.S.M.'s runtime-application, allows polling, visualization and saving to database of selectable data from any analyser of a network of up to 247 instruments. Moreover, at any moment it's functions can be further expanded by installing additional modules:

-Alarms&Graphics: adds full alarm-functions on any selected parameter (max/min thresholds with settable hysteresis) and real-time/historical graphics of selected parameters. The Alarm&Graphics module is ideal for real-time management and supervision of your installation.

-GSM Commander: when the highest degree of control is required, the GSM Commander module adds GSM capability to **Energy Studio Manager**. Alarms and commands can be completely managed by SMS or E-Mail via a GSM-Modem.



Analysis is **E.S.M.'s** Data Management application, allowing complete post-processing of the data collected by Monitor. Analysis allows graphical and numerical analysis and reporting of all stored energy and power data. Analysis includes an innovative, fully configurable tariff-band/cost management system, providing accurate cost-analysis and reporting of energy consumptions.

Energy Studio Manager MONITOR:

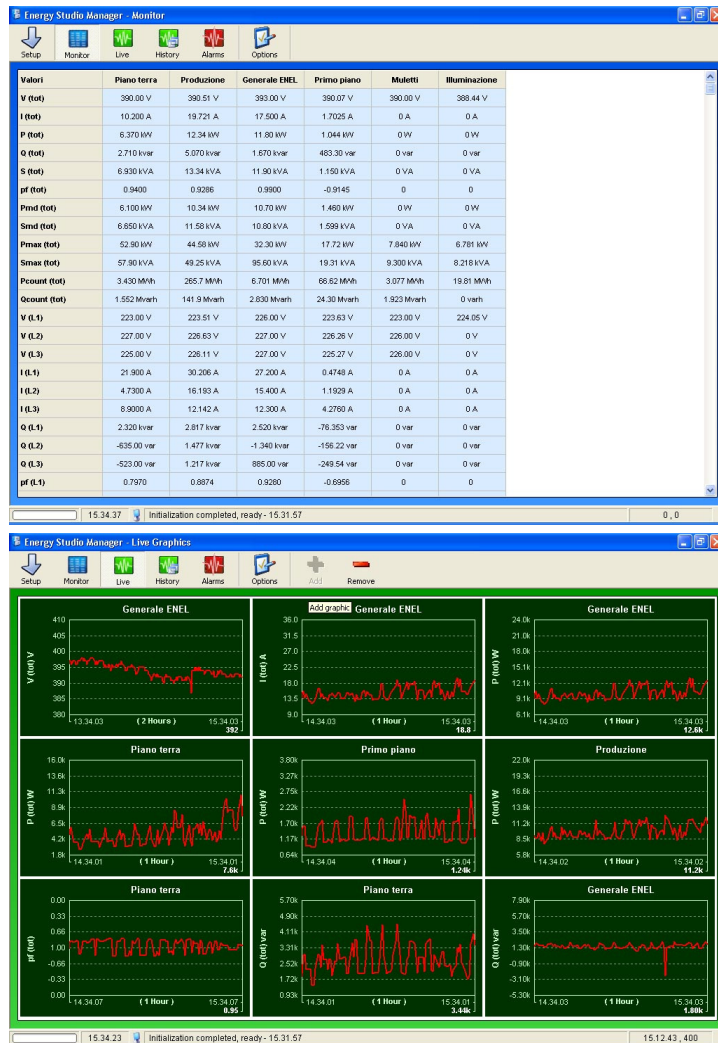
MONITOR provides a user-friendly and intuitive setup-environment for the

monitoring network.

-Simply set up one or more communication channels, as for example the serial communication port, and start adding instruments. Each instrument can be assigned to its communication channel and freely named.

- **Energy Studio Manager** supports RS232/RS485 serial communication and Modbus TCP/IP (Ethernet) communication.

-For each instrument, the user can decide which measurement parameters shall be displayed and/or stored to database. Once setup is completed, data acquisition can be started. E.S.M. automatically handles polling and data-synchronization/storage to hard disk.

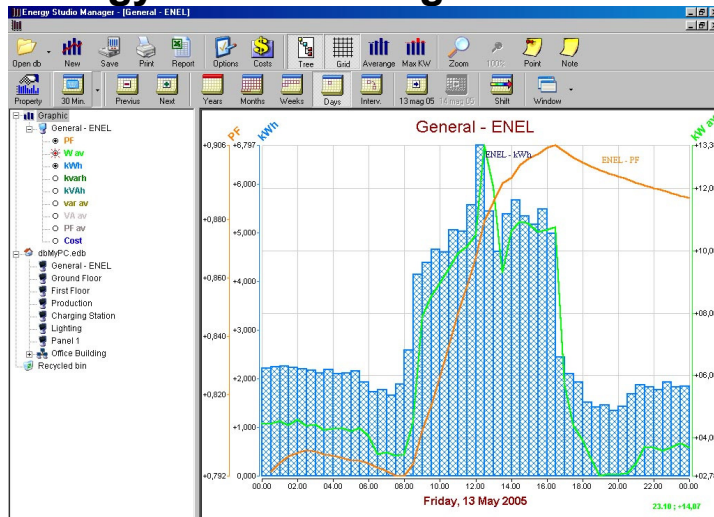


A clear spreadsheet-display shows the most recent data for each instrument and selected measurement. The Graphics&Alarms module adds real-time graphic display and alarms to **Energy Studio Manager**!

-Up to 9 selectable measurements can be displayed as real-time graphs. The measurement/instrument to be displayed can be selected at any moment by the user.

-Any measure can be associated to an alarm by setting an upper and/or lower threshold and optionally a hysteresis band. Alarms are signalled on Monitor's screen and handled following ISO rules.

Energy Studio Manager ANALYSIS



ANALYSIS is **Energy Studio Manager's** Data-Processing application. All data stored in the databases created by MONITOR, can be accessed anytime, from the same PC or from different workstations.

Analysis has been designed to provide fast and efficient graphs and reports generation. Data can be analysed graphically to verify consumption trends and demand peaks. While retaining a simple and intuitive approach, Analysis provides outstanding flexibility for the representation of the data. Graphs are fully configurable for what concerns displayed measurements, scales and appearance.

At any moment it is possible to recall the details and notes referring to the monitored load and add notes directly on the graphs. The clear tree-view of the device connected to the network allows a fast selection of the data to be processed.

"Virtual Instruments", the sum of two or more instruments, can be created in a moment by using drag-and-drop. A new and innovative Cost Management function allows to translate energy data into economical data. The innovative approach of **Energy Studio Manager** provides 100% flexibility in the definition of the tariff-bans and kWh costs. An Excel-powered application generates tariff/cost calendars with tariff-band changes up to every 15 minutes! No matter how complex your tariffs or shifts are, **Energy Studio Manager** will adapt to your needs.