



## THE COMPANY



ELECTREX designs and manufactures measurement instruments, analyzers and energy monitoring systems finalized to the energy saving.

ELECTREX is specialized in power measurement and analysis on all types of industrial and non-industrial use of energy.

Since 1993 ELECTREX instruments has a user friendly, high precision, innovative design and high quality & reliability reputation. Our designer team and technical support have great on-field experience which ensures the best technical and creative products from design to field application.

ELECTREX products and solutions make energy saving and conservation possible with extremely short payback on investment.

ELECTREX products are designed and made in Italy.

Engineered and manufactured in Italy



For more information: [www.electrex.it](http://www.electrex.it)

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## THE PRODUCTS

**ELECTREX offers a full range of instruments and metering solutions for electrical parameters management.**

- Measurement instruments and analyzers of electrical parameters
- Energy monitoring networks for electrical consumption
- Automatic meter reading systems for electricity, water and gas
- Connectivity (Ethernet, internet, GSM, radio, bus, etc.)
- Customized solutions to meet specific application/customer's needs



**Energy data manager**



**Energy analysers (Harmonics)**



**Energy meters / Energy analysers**



**Intelligent transducers**



**Multimeters / Power meters / Energy analysers**



**Energy monitoring networks**



**Software**



**Wireless loggers**



**Accessories**



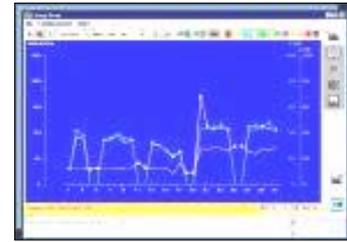
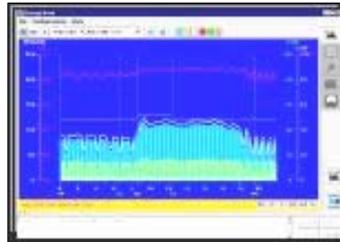
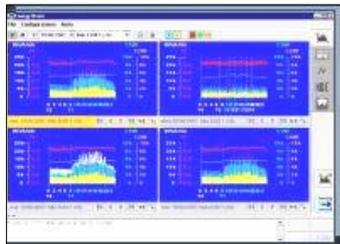


## THE ENERGY SAVING

**A 10 % to 30 % saving is possible in all premises.**

The growing price of energy added to an increasing use of automatic machines and electric devices makes the energy cost more and more relevant in comparison to the total cost of whichever activity. Often the energy costs are higher than the raw material or the manpower costs. The approach to the energy management is gradually changing: it is maturing the awareness that a good management saves substantial amounts of money (between 10% to 30% or more). The rate of saving depends on the in-depth analysis and on the solutions adopted.

There are a lot of operations that you can do inside your company to optimise the energy consumption. Who is already working in this direction is getting a considerable money-saving that lead to further investment in services and technology for witch it becomes possible quantify the amortization time.



With an effective system of energy monitoring is possible, for example:

- Making detailed analysis of load profiles
- Managing the cost accounting with the cost analysis. The energy must be economically quantifiable as the other raw materials
- Targeting of the energy cost per branch / area / department or per product or per square meter, etc.
- Assess the profitability of the products and of the machines. The cost of use and management of the machines have an impact often higher than their cost of purchase.
- Identifying wastes and causes.
- Having all the information for the company and/or for the energy consultant to evaluate the proposals of the energy suppliers
- Making economic assessment on decisions to be taken (purchase of high-performance engines, changes on working schedule, working shift, etc.) or investments to take (e.g. systems of building automation to optimize the management of buildings).
- Using a single system for the monitoring of all energy sources (gas, water, etc.).
- Monitoring energy quality to identify the possible causes of malfunctioning (interruptions, harmonic distortion, etc.).



## THE APPLICATION FIELDS

### Industry

- Advantages:**
- Accurate load profiling and analyses for each load monitored
  - Identifying wastes and causes
  - Cost allocation of energy and demand per industrial cost centres
  - Energy targeting of best supply contract determination
- Target:** All manufacturing and processing plant of any size and type of activity.



### Building Automation

- Advantages:**
- Energy accounting, energy saving programs and energy control on lighting, conditioning, refrigeration, etc.
- Target:** Shopping mall, markets, hotels, airports, fairgrounds, etc.



### Residential and tertiary

- Advantages:**
- Distinct determination of electrical energy consumption of the various users (common parts, elevators, lighting, individual tenants, etc.).
  - Remote acquisition of the energy readings
  - Remote enable/disable of the loads/users delivery
- Target:** Seaports, camping, condominiums, residential centers, etc.





## **THE USERS**

Successful applications have been made in the following areas:

- Plastic manufacturing
- Wood carving
- Iron and steel industry
- Chemical industry
- Food Industry company
- Electronic Industry
- Textile industry
- Ceramics Industry
- Airports
- Motor industry
- Paper industry
- Glass manufacturing
- Farming
- Shopping mall
- Mill
- Hotel
- Slaughtering
- Refrigeration
- Oil mill
- Photographic labs
- Packaging production
- Construction
- Hospital
- Trade Fair
- Energy dealer
- Municipality
- Banks and insurance
- School
- Foundry
- Army
- Boatyard
- Camping, harbors
- etc.

## **OUR WORLDWIDE PARTNERS**

**Specialized distributors**

**OEM**

**System Integrators**

**High level maintainers and installers**

**Automation specialists**

**Technical engineers**

**Consultants / Energy managers**



Electrex is a brand of Akse s.r.l.