

# SCEE

THE ENERGY EFFICIENCY  
AVAILABLE TO ALL



Electricity



Water



Fuels



Heat



Cold





## What is Energetic Efficiency?

Rational use of energy in order to reduce and maintain the minimum consumption and expenses.

## Why do we need it?

We live in a world surrounded by complex bills: water, gas, electricity, etc., and we need to check, control and reduce expenses in order to make our lives sustainable.

To achieve this, we must be efficient in a simple and inexpensive way, to:

- > Reduce our operating costs. BE MORE COMPETITIVE.
- > Help reduce global energy consumption. BE SUPPORTIVE.
- > Reducing greenhouse emissions. BE GREEN.



## How we achieve it?

With the knowledge and control of energy use.

This allows us to find inefficiencies that once been discovered, can be transformed into savings opportunities.

Efficiency demands:

- > Measure, understand and control continuously energy use.
- > Prioritize energy measuring over calculation and the estimation.

Lomisa's CSEE measures and monitors energy and consumptions in a simple and inexpensive way, making an efficient use.



## What can CSEE measure?

Any facility that consumes energy supplied as electrical, thermal or fuel.

To do this, counters and meters of the facilities have to be connected to the CSEE measuring equipment and they send these measurements via internet to the CSEE Web Server.

The energy measured is shown on the Web in two ways:

- > As physic measurements: kilowatts, kilocalories, m<sup>3</sup> of water and gas, liters of fuel, level of the container and greenhouse emissions.
- > As monetary costs: valued according the rates of the supplier and the customer's currency.

## How does CSEE works?

Basically in two ways:

- > Grouping measurements to detect general inefficiencies.
- > Detecting individual inefficient installations.

CSEE is provided with measuring equipment that is continuously communicating general and individual consumption of the facilities via Internet to CSEE's Web.

These measurements are stored in CSEE's Web server so that they can be consulted by Internet.

Lomisa's CSEE is compatible with EVO's IPMVP protocol.

## How to use CSEE?

When the SCEE is implemented, we can access from our mobile, tablet or computer to Internet and check the consumption of different facilities for periods of hours, days, weeks, months and years.

Several mechanisms allow us to control and save money efficiently from Internet:

- > With the Automatic Alerts System, which allows you to set limits on the performance of each facility. When the CSEE exceeds, it warns you immediately.
- > With the Technical Consultation Manager, CSEE can search the facilities that have critical conditions, such as: highest consumption, consumption outside normal periods, lack of consumption, excess or deficiency of voltage, imbalances, etc.
- > With the Technical Report Editor, CSEE can write periodically automated reports with the alerts and consultations.
- > Within any Energy Plan, planning consumptions and verifying its tracking with SCEE.

All these mechanisms allow us in real time and from anywhere, to control the energy so we can compare, contrast and evaluate high or unexpected consumptions, power quality, etc.

In conclusion, to seek efficiency.



Equipment CSEE meter with Ethernet, WiFi or GSM-GPRS





OFFICE BUILDINGS

SPORT FACILITIES

INDUSTRIES

FUEL TANKS

HOSPITALS

WATER TREATMENT  
DESALINATION  
WATER PURIFICATION



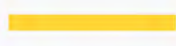
RESIDENTIAL  
HOTELS  
SHOPPING CENTER  
ETC

STREET LIGHTING

— Communication RS-485,  
Ethernet o GSM/GPRS.  
— INTERNET

-  Communication module, analyzer and actuator SCEE.
-  Gateway GPRS / RS485 accessing modules SCEE by TCP / IP external.
-  Consumption Analyzer and electrical performance.
-  Consumption Meter Water.

-  Consumption Meter Fuel (Oil, Gases, etc)
-  Control sensor and level monitoring in fuel tanks.
-  Production Analyzer Heat and Cold.

-  General consumption.
-  Secondary consumption..
-  Consumption per item



## OUR MAIN MARKETS



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