

## EMC – Functional Description

( per 1.1.2006 )

EMC is a web based, platform-independent System, which may be used either on separate PC's, or in internal company networks (Intranet), as well as in the word wide web. Hereof completely new possibilities of will arise. Especially the EMC opportunities can be available worldwide, as services to the end users / customers, without any reservations of computer capacities. There will be no program installations and up-dates necessary for the customer. The end user only needs a simple PC, including an internet browser, in order to view his energy consumption and in order to administrate his company data.

The program is to be characterized by simple handling and intuitive approach.

### Functionalities:

- **Administration of Master Data**
  - Consortium
  - Companies
  - Locations
  - Data Logger / System Unit
  - Channels
- **Virtual Channels**

Freely channels can be defined virtual, with the possibility to link results from separate channels by arithmetic operations.
- **Provider- and Tariff Information**

Any number of different providers, including tariff information may be accommodated. The validity of the tariffs will be managed by price lists. In this way the tariffs may be created in advance. 6 Tariffs may be defined for each provider.
- **Plan Data**

For each location to the tariffs plan data may be added, which can be compared to the actual data.
- **Holiday Calendar**

Each customer may define his holidays by a holiday calendar. Hereof easy plan data entering will be achieved.

- **Reading Out of Energy Consumption**  
Time controlled, automatic read out by
  - a) Network
  - b) Modem (remote read out)
  - c) GSM (remote read out)
- **Graphics**  
Different daily, weekly, monthly graphics can be displayed. 5 different graphs are available where single channel can be viewed or compared.  
Additional Graphs may be created upon request.
- **Reports (Spread Sheets)**  
Presently 3 reports are available, which contains consumption and invoicing information.  
All reports can be transferred into Excel to be processed there.  
Additional spread sheets may be created upon request.
- **Invoicing in Industries**  
Energy consumption can be invoiced internally on cost centre basis. Invoicing is available per each kind of energy. Calculation of excess energy distribution is additionally available as well as invoicing different kind of energy types.
- **Rental Home Administration**  
A comfortable rental home administration is available. Channels for energy consumption will be assigned to the rental objects.
  - Comfortable search machine for rental objects, renters, meters
  - Sum invoicing possible by Excel interface
- **User Administration**  
In order to define user rights.
- **Tools**  
Informs when and which data logger / system unit will be read out and has been read out, including reading log information.
- **Data Logger**  
At present SU160x family of sumator, 8E/A-Box, MLS, EDL can be read by EMC. Any further data logger can be included on request.

## Summary of Highlights

- **Comfortable to Use**  
We took much care to create a comfortable and easy to use software. It's surface is similar to the well known MS Explorer.
- **Web Based System**  
The system enables worldwide new opportunities by it's internet- / intranet- abilities, remote data reading included.
- **Different Kinds of Energy**  
Administration of different kinds of energy, e.g. electricity, gas, water, ...
- **Number of Tariffs**  
Per each provider, 6 tariffs can be administrated.  
(In Italy 4 tariffs are in use today)
- **Multilingual**  
The multilingual software is available in the following languages, already:  
- German, English, Italian, Dutch, French, Polish  
Additional languages may be added easily.
- **Help System**  
For each screen page a help-information is being backed up. Automatically the online help-information adapts to the selected language of operation.
- **Demo Version**  
Right after a data logger / system unit (modem / GSM) will have been installed at the customer, a demo version can be put into operation by installation and set up of the software at Ufficio. The customer will get access to the system immediately.