



Management software

SACI has developed the TTIgest, designed to optimise and control the consumption of water, gas, electricity, etc. in applications such as hotels, seaports, rental offices, etc.

It is compatible with our TTI-TTIM totalisers, MAR144 network analyzers and M2DL2, M1DL2, M1DL3, TCIDL-MID energy meters.

It is designed to manage the consumption of these meters and to issue the corresponding invoices. It is not an accounting or billing system, but a programme for managing meters and issuing invoices.

The first step is to define all the data required to issue these invoices and then to configure the physical elements that make up the network of instruments, such as the meters and the registers.



Operation is very simple. A 'customer input' button associates the required meters with a customer's consumption, takes the meter readings and stores them. Another 'customer output' button re-reads the associated meters, calculates the consumption and issues an invoice with the corresponding charges. From time to time you may choose to self-bill.

The Totalizers with memory (TTIM) allow the generation of load curves, being able to examine the data numerically and graphically as well as printing and exporting them.

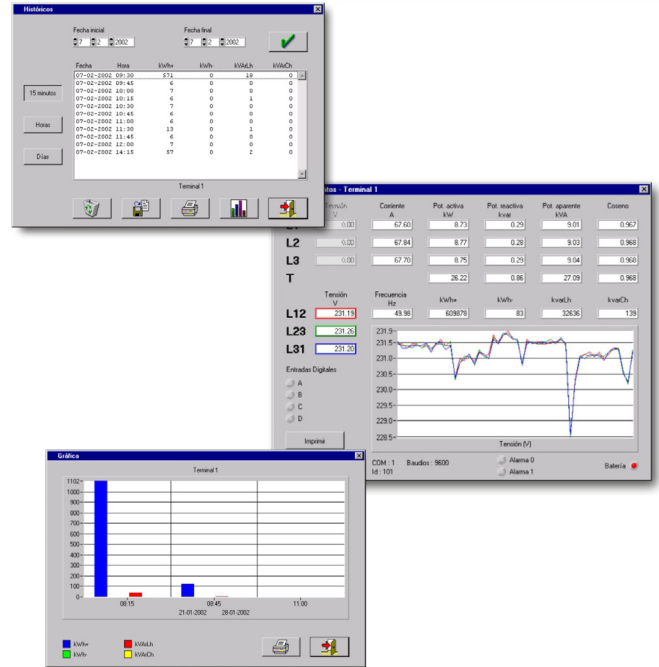
The new version includes historical data for all meters, uncontrolled consumption (by means of head meters) and assigned and unassigned controlled consumption.

New features include pre-payment control, allowing the balance of each meter to be controlled and allowing collective or individual contributions to be made, and the free consumption limit, an amount below which consumption is not billed.



The TTIgest programme must be installed on a PC with the following minimum requirements:

- Operating system: Win10, Win11.
- It must have an Ethernet connection.
- Options for connecting the software to the devices.
 - USB port with USB-RS232 interface for connecting the IFRxx converter.
 - USB port with USB-RS485 interface for direct connection to devices.



Setting up

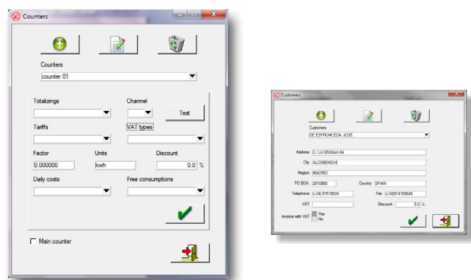
Setup is the process of identifying all the physical elements that make up the network of devices and the data required to create the invoices.

Definition: The following definition elements are required:

- **Currency:** The currency in which you wish to invoice.
- **VAT rates:** Different VAT rates can be defined.
- **Tariffs:** Different tariffs can be defined.
- **Daily costs:** You can assign fixed daily costs to the configured meters.
- **Free consumption:** Free consumption limits can be assigned to the meters.
- **Bill:** All the elements that make up the bill are defined, including the option of automatic billing.
- **Customers:** Access to the customer database.
- **Password:** To protect the operations to be carried out.
- **Configuration:** These are the physical elements that make up the network.
- **Modems:** These are used to establish communication.
- **Totalizers:** Identifies the totalisers (TTI or TTIM) present on the network.
- **Meters:** All existing meters with their VAT, tariff, daily cost, free consumption, units, factor, etc. identification. The head-end meters are also defined.
- **Groups:** Possibility of associating several meters in a group to manage them as a single element.
- **Reports:** To check the system configuration, communication and billing.

Customer entry

When a customer joins, i.e. starts using the installation, all you have to do is register them as a customer if they are not already a customer, and tell the system which meters or groups you want to assign to them. Once this has been done, the system takes the value of the meters and stores it. As a novelty, it is possible to use historical data to make entries and not to issue an invoice.no emitir factura.

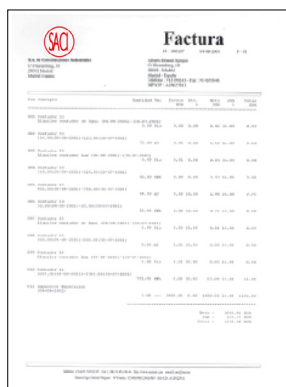


Customer exit

When a customer leaves the installation, simply select the relevant items and the meters are read, consumption calculated and the appropriate invoice issued. Historical data can also be used in the exit. Customer exit can be pre-programmed to take place automatically.

Bills

Allows you to view, delete and print invoices to be issued. It is also possible to add independent concepts to the desired client. Stored invoices can be viewed, cancelled, deleted and printed. Manual automatic invoicing is allowed.



Errors

The system detects all communication errors and manages them, allowing it to act as a system administrator.

Historical

This allows load data curves for meters connected to a totalizer with memory to be examined. Data may be printed and exported and a load curve graph displayed between the two selected dates.

It includes a load curve for all meters, uncontrolled consumption recordings and assigned and non assigned controlled consumption recordings.

Prepayment

It manages the prepayment control of the customers and reports the balance of each one in real time. It allows collective or individual payments and even the programming of prepayment tariffs.

Header

SACI MAR144 - 3 instruments may located at the connection of the electrical installation to display all electrical parameters in the system and, using the software, save and show as a graph energy histories for 15 minute periods, by hours and by days. It also displays instant values.

Tools

The language may be defined, the data base compressed, preset or manual copies made, old data deleted, ...

| General features | Model |
|---|-------------|
| Network analyzers / Programmable converters | |
| Monitoring (Configuration, grouping and visualisation) | SACIGEST 01 |
| Energy + SACIGEST 01 | SACIGEST 02 |
| Historical + SACIGEST 02 | SACIGEST 03 |
| Alarms + SACIGEST 03 | SACIGEST 04 |
| Energy meters | |
| Monitoring (Configuration, grouping, visualisation and invoicing) | TTIGEST |

Network analyzers and programmable converters versions (SACIGEST)

- Standard version
- Reduced version (6 units)
- Server version. Up to 10 additional pcs
- Reduced server version (6u). Up to 10 additional pcs

Energy meters version (TTIGEST)

- Standar version. Specific for billing, only allowed to analise in header.

