Telelemetering and data publication via Web Energy measurements of the Fiscal Meters

Acquiring, Recording and Analysis of produced and exchanged energy

X-RWU Gold is a system designed for monitoring Fiscal Meters which record produced and exchanged energy, on the electrical network.
By connecting to meter's pulse emitters, is possible acquiring useful information about the detection of the effective energy, exchanged on the electrical network.

The equipment, which has 8 digital inputs, acquires the pulses of the supplied sizes and stores them using the same temporal method of storage (15') and in perfect synchrony with the range of use, utilized by **GSE**.
Indeed, this method allows to get the maximum accuracy possible. In fact, the indirect measure, obtained by an impulsive system, isn't subject to class errors, typical errors in the direct measurements.

Telemetering and Web publishing

Telemetering can be carried out by means of three ways: GSM, GPRS, Ethernet; according to request and the installed vector.
Here's the daily activities:
> **Good result of the Telemetering**
> **Control of data integrity**
> **Transfer of the stored data into an Internet Site.**

The data sent to device are acquired and stored into our Server and published on our site. One can have access to data only by means of secret codes (UserID and Password).
By connecting to site and by entering measurement group, it's possible to display the recorded data as Graph and Table; the system displays the data up to hour 24 of the previous day. In addition, the user can also have access to historical archives containing the recorded data. One can also export these data as different modalities: for instance Excel.
The service and maintenance contract includes reparation of all the covered equipment, replacement of the equipment in the foreseen cases and the services carried out via telephone support.

DATA ABOUT PRODUCED AND EXCHANGED ENERGY

DATA ABOUT PRODUCED AND EXCHANGED ENERGY

ELECTRICAL NETWORK

INTERNET

DATA ABOUT PRODUCED AND EXCHANGED ENERGY

GSM/GPRS/LAN

ENERGY PULSES FROM FISCAL METERS

MONITORING OF THE EXCHANGE WITH ENEL

FISCAL METER FOR EXCHANGED ENERGY ON THE ELECTRICAL NETWORK

FISCAL METER OF PRODUCTION

LOAD

INVERTER