

# TeleMetriX HEAD-END SYSTEM

TeleMetriX is an advanced metering infrastructure head-end system developed to meet application requirements of energy sector. TeleMetriX, eliminates the need to go by the meter to read it.

## TeleMetrix at Every Field Of Energy

Electricity-transmission and distribution companies, electricity generation companies, industrial zones, electricity suppliers and consumers monitor and manage their energy production and consumption, energy usage, energy quality and system security by TeleMetriX.

## TeleMetriX for Various Meter Brands & Models

TeleMetriX, supports IEC1107, DLMS COSEM, VDEW 2.0, MODBUS, MODBUS-RTU protocols used in meter communication and has the ability to read power meters with various brands and models of all of the worldwide known meter manufacturers.

Those that have not been read yet can easily be adapted to the TeleMetriX system.

## Main Functions Of TeleMetriX

- Data Analysis and Reporting
- Balancing
- Invoicing
- Loss and Leak Detection
- Blackout / Tamper Detection
- Time Synchronization
- Relay Control
- Data Correction and Validation Module

## Reading On-site and Reliable Data Transmission

There are two methods to query for data reading, one is to query centrally from the server, the other is to query on-site. Central querying can be efficient in systems where the query and the response is short i.e. in systems with modbus or where the number of measurement points is less and where time synchronization is not that important, whereas reading by on-site querying offers higher data reliability and functionality.

## Scalable Architecture

TeleMetriX has the ability to read thousands of meters in parallel, concurrently if necessary, by making use of all available communication possibilities and capacity.

## Meter Reading at Flexible Intervals

TeleMetriX can read meter data at desired frequency and high speed correctly.

TeleMetriX enables to create flexible time schedules that allow to read the meter at specific days of the month or the week, constant daily intervals or continuously. Furthermore the reading intervals during the day and frequency can be set in detail.

TeleMetriX works in conjunction with Eclipse Java Terminals to collect data from meters & other on-site devices . Eclipse Java Terminals offers a broad spectrum of communication technologies such as GSM / GPRS / EDGE / 3G, RF, Ethernet etc. It is possible to create mesh networks based on the required topology.

