

## Modern utility management

# OMNITORUS

OMNITORUS is a state-of-the-art utility management tool designed to save money and analyze the utility costs in real time. OMNITORUS is a new savings philosophy that identifies hot spots where optimization is required to reduce current costs and rationally plan future spending. It is also a tool for billing utility consumption and monitoring remote facilities.

The user-friendly interface and the hierarchical structure of access to the various functions and reports allows easy utilization of the advantages of this system for those in the company's management function, as well as for employees in the technical and financial departments.



### User benefits

- Conscious and rational consumption of electricity, gas, water and heat through active 24-hour auditing
- Report preparation to enable visualization of utility consumption (point in time)
- Support in the selection of the optimal tariff plan for the plant, facility
- Notification of emergency events and alarm situations (alarms sent by SMS or e-mail, visual or audible signaling)
- Online monitoring of remote facilities from anywhere in the world
- Remote reading of electricity, gas, water and heat consumption for sub-recipients (tenants)
- Determination of productivity and efficiency indicators of branches, departments, technologies, production processes at monitored locations
- Determination of specific operating time and equipment efficiency to optimize production costs
- Minimal costs of system implementation with no need to purchase software and hardware – all that is needed is a computer with Internet access
- Access to a constantly evolving system

# Electricity metering

## Electricity metering benefits

- Adjusting the level of contracted power to actual needs
- Minimizing penalties for excess contracted capacity
- Control of important network parameters (current readings and historical data), i.e.: voltages and currents on phases, input and output active power, reactive power, tgφ - to avoid overrun charges
- Warning of exceeding critical customer-defined parameters (Guard - shutdown/circuit switching)

## Main system features

### Cost guard

The cost guard monitors the execution of cost plans related to the consumption of utilities and, when the set values are exceeded, immediately reports losses and attrition. OMNITORUS is a tool that supports managers in the active management of costs for consumption. The most important advantage of this module is the ability to receive predefined reports for the cost budget execution plan.

### Solution benefits

- Constant control of incurred consumption costs for the current or predefined period
- Determination of the expenditure threshold for energy consumption in each unit
- Updates on the electricity budget execution
- Supervision of costs incurred against planned costs
- Monitoring the cost of unused contracted power

### Balance guard

The balance guard allows the detection of energy losses. It compares the indication of the main meter with the indications of the sub-meters and reports the situation when the energy losses in the node exceed the permitted values. The feature is particularly useful for internal energy distribution among tenants.

### Solution benefits

- Balancing energy consumption for separate units and tenants
- Monitoring the energy demand for technological processes
- Control of energy demand in the enterprise
- Determination of the energy loss level and internal dissipation

### Power guard (critical parameter guard)

The power guard continuously controls the level of power consumed by a factory, company, enterprise. The guard will eliminate or minimize penalties for exceeding the contracted power, as well as inform designated employees of the potential excesses.

### Solution benefits

- Several thresholds of system response to set
- Remote automatic control of devices in manual or automatic mode
- Equipment operation visualization
- Control of multiple network parameters
- Counteracting critical situations e.g. over-powering, under-powering, power outage

### Technical reports

Technical reports allow the creation of tables, graphs, statements and comparisons, analysis of the percentage of department, division and process consumption against the consumption of others, and also addition, the generation of reports of alarm statuses.

### Cost reports

Cost reports are an accurate balance of costs for the current or any period, indicating the costs incurred and relating them to planned and total costs.

### Online reports

Online reports offer an ongoing view of the enterprise's relevant electricity parameters.

### Alarms

Alarms are the ability to define thresholds for alarm triggering, define the location and date of the abnormality.

The OMNITORUS system allows saving, billing and optimizing the consumption of utility services such as electricity, water, heat and gas.

OMNITRUS is under intensive development of water, heat and gas modules to make it a comprehensive tool with a wide range of applications together with the finished electricity module.