

APPLICATIONS

ENERGY MANAGEMENT SYSTEM

We provide state of the art Energy management system to monitor , control & optimize the performance of electric utilities , transmission , substations & power consumers.

MAIN COMPONENTS

ENERGY MANAGEMENT SOFTWARE



Energy Management software is an energy monitoring, energy analysis and energy management system (EMS) that delivers rich platform and browser-independent real-time visualization. It addresses any application from a single building to an entire campus or multi-site enterprise. Create IT firewall-friendly, secure custom energy dashboards and kiosks to view energy reports analyzing your energy consumption patterns resource usage and progress on sustainability. Site managers, building engineers or maintenance personnel can quickly and intuitively navigate and discover opportunities for improvement.

The software collects energy meter data through the

Universal Connectivity layer, which enables it to acquire data from electric, gas, fuel oil, steam, chilled water or any other meters through any available networking. Through web services and IEC protocols it is able to interface to the Smart Grid for rate and other supply information. It aggregates and records consumption data for long term archiving and continuous analysis and comparison. The rate model configuration tools enable users to enter virtually any rate model that their utility contract defines, so that costs can be automatically derived and recorded for comparison to budgets, past performance and for validation of actual utility bills.

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FEATURES

Auto-Configuration Logic with Quick Connect Meters

Expedite deployment time and quickly connect to meters by simply selecting the meter manufacturer and model number, and software does the rest. Users can generate meter configurations, device parameters and tags by leveraging the powerful AssetWorX infrastructure using the Quick Connect Meter wizard. The wizard supports aliases for device names, ports, server nodes and more to quickly deploy thousands of meters in no time.

Degree Days Analysis

Normalize energy consumption trends based on weather data and other external factors.

Energy Star Reports

Streamline submission of data to Energy Star's Portfolio Manager for energy, water, or IT energy usage reports.

Improved Big Data Charting

Benefit from increased charting performance for better facilitating analysis of large amounts of consumption data in an easy-to-understand format.

Powerful Reporting and Built-in Calculations

Generate standard Cost, Consumption and Carbon reports. Intuitively drill down to energy offenders.

Web-based Functionalities

Get rich Web visualization on any browser, on collaboration portals with Microsoft SharePoint, and on smartphones and mobile devices.

Scalability

Scalable from a single location to an entire campus, ideal for any industry.

Flexibility

Receive text and e-mail alert notifications of excessive energy use, anytime, anywhere, and on any device.

Universal Connectivity

Include integrated OPC, OPC UA, BACnet, SNMP, Modbus and Web Service communications that make it easy to connect to existing equipment with no additional infrastructure.

Rate Schedules

Define flexible rate schedules for cost calculations and utility bill validation.

Aggregation

Organize your enterprise into an asset tree structure. Automatically roll up energy use in accordance with a structure you define. For example, view energy use by: equipment, zone, department, floor, building, campus; or, for a manufacturing operation, by: unit of product, product type, production line, plant. Aggregate all of the collected data to hourly, daily, monthly, and yearly roll-ups.

Normalized and Relative Consumption

Define expressions that utilize both energy data and other monitored data. This way, normalized and relative energy data can also be stored and analyzed in order to provide not only consumption information but insight into the causes of abnormal consumption.