



Enterprise energy management is hard. We make it easy.

EnergyActive SOFTWARE SUITE™ Technical Specifications

EnergyActive™ - Software System

- > Microsoft Windows 2008 Server or Windows 7
- > Microsoft SQL Server 2008 Database
- > Microsoft SQL Server 2008 Reporting Services
- > Microsoft IIS Web Server
- > Available As VMWare Virtual Appliance
- > ODBC Compliant Database
- > ANSI SQL & Stored Procedures Supported
- > Server Time Synchronized To Atomic Clock
- > Remote Database Administration
- > Uses Standard Communication Protocols

EnergyActive™ - Features

Data Acquisition

- > Acquire data from meters, electronic data sources, third party applications, manual entry etc.
- > Automated data delivery via Internet protocols
- > Stores data in time interval format
 - >> All time interval data values are time stamped.
 - >> All time intervals are validated.
 - >> Timestamps are adjusted for clock drift.
 - >> Timestamp clock drifts are logged to error table.
 - >> Data acquisition process identifies and records missing time intervals.
 - >> Missing time intervals are logged to error table.
 - >> Duplicate and non-sequential time interval data are logged to error table.
 - >> Automated interpolation of data with discontinuous time intervals
- > Manages data in English or International Units
- > Manages meter register rollover
- > Automated data status reporting via email

Corporate Offices

1415 Northwest Bypass
Great Falls, MT 59404
Office Phone: 406-866-3228
Web: www.ecomponentstech.com

For a free demonstration, consultation, or more information:

Contact us at 406.866.3228 or
sales@ecomponentstech.com

For customer support:

Call us at 406.866.3228 or e-mail us at
techsupport@ecomponentstech.com



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Data Verification And Alerts

- > User configurable data verification testing
 - >> Verify time interval data for hi-lo data values
 - >> Verify time interval for flat lined data patterns
 - >> Verify time interval data for on/off load frequency
 - >> Verify daily consumption for hi-lo data values
- > All verification errors logged to errors table
- > Automated data verification alerts via email

Data Management

- > Data management & configuration via web browser
- > Enterprise data dictionary
- > User defined engineering units
- > Automated conversions between different engineering units
- > User defined enterprise site organization
- > User defined virtual sites
- > User defined virtual channels
- > User defined meter and load aggregation
- > User defined calculation of rates from use
- > Data stored in format that preserves original accuracy
- > Stores unit and demand costs

Secure User Access

- > SSL Secure User Login
- > Integrated administration of user, group, and account security
- > Configurable user permissions

Reporting Services

- > On demand web reports available in multiple formats (HTML, PDF, Excel, etc.)
- > Automated report delivery via email
- > Standard and custom reports are available.
- > Standard reports include:
 - >> Real Time Energy Dashboard
 - >> Daily, Weekly, Monthly Energy Use reports
 - >> Energy Benchmark reports
 - >> Predicted vs. Actual Energy Use reports using multi-variant regression modeling
 - >> Comparative Energy Use reports by month for current and previous year
 - >> Comparative Cost reports by month for current and previous year
 - >> Greenhouse Gas Emission reports
- > Extensive Enterprise Reporting Capability
- > Export Energy Data To Financial Reporting Systems

Charting & Data Visualization Tools

- > Real time and historic data charts
- > Interactive charts for pinpoint data analysis
- > Charts automatically update when new data is delivered
- > View single or multiple data time series
- > Dynamic predefined time periods for fast data selection

- > Automated data grouping by time interval, hour, day, and month
- > Compare data between different time periods
- > Export data to Microsoft Excel spreadsheet
- > Multiple Chart Types
 - >> Line
 - >> Bar
 - >> Scatter Plot
 - >> 24hr Avg. Profile
 - >> Delta and Comparative Overlay
 - >> Calendar Load Profiles

User Account Management

- > Add/Remove users and groups
- > Manage facility permissions
- > Manage report permissions

Email Report Management

- > Manage report delivery schedules
- > Add/Remove report recipients

EnergyActive™ - Savings and Verification Analysis

- > Linear regression modeling tool set
- > Normalize data for weather and operating metrics
- > Calculate savings from energy retrofits, operations, maintenance etc.

EnergyActive™ - Energy Star Automated Benchmarking

- > Integrated with Energy Star Portfolio Manager
- > Automatically benchmark facilities with Energy Star database
- > Automatically retrieve Energy Star rating

EnergyActive™ - Utility Costing Solutions

- > Estimate and verify utility bills
- > Prepare month end utility bill accruals
- > Prepare subtenant bills
- > Prepare internal cost allocation bills
- > Model complex utility tariffs
- > Perform "what-if" analysis
- > Microsoft Excel interface



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