REAL-TIME ENERGY ANALYTICS

PROVIDING SMART BUILDING SOLUTIONS® FOR OVER 35 YEARS
A powerful tool to help identify poor performing buildings and equipment.

Active Energy Manager is a cloud-based Software as a Service (SaaS) software tool that collects information about buildings and the equipment within them and analyzes energy, gas, water, and essentially any consumable against the drivers that impact them.

With this knowledge, Active Energy Manager can automatically provide alerts when equipment and buildings are not performing efficiently and properly under any given conditions.
Active Energy Manager focuses on energy monitoring and management through Building Automation System analysis. As an SaaS model, Active Energy has a modular feature set with scalable meter and data connections, and no geographical boundaries making it the only tool your system requires to optimize energy performance.

**Analysis**

By being able to view, analyze and compare all of your meters across multiple sites and time periods, Active Energy is an ideal tool to manage a multi-site organization.

Identify outlier buildings and similar equipment within a single building or across multiple buildings.

**Alarms**

Active Energy issues alarms when it detects anomalies in expected consumption, adjusted for driving factors, putting you in control and minimizing nuisance alarms and alerts.

**Continuous Monitoring**

Active Energy continuously monitors data collection, and alerts you if data has not been collected. This ensures full data integrity which you need to be fully informed.

**Reporting**

A fully customized reporting feature allows you to generate instant or scheduled reports on energy consumption, costs, carbon emissions, benchmarks, as well as tenant costs reports.

Export reports as a .CSV file or in PDF format to share with key stakeholders.

**Smart Analytics**

Smart analytics looks at actual normalized energy usage and patterns of consumption, and identifies the drivers of your energy consumption to produce information you can act on that will help deliver energy savings.
Active Energy Features

Data Source Friendly

Unlike other software and service providers, with American Auto-Matrix’s Active Energy, we collect data from wherever you have it. We don’t insist you buy our meters and data collection equipment, so you are not locked in the moment you make a decision to use our product.

We work with your team to design the most cost-effective solution for data collection. Active energy is not limited to energy analysis either. Gas, water, occupancy, weather data, and any logged data in your BMS system can be integrated into the solution.

As a cloud-based service, upgrades to the product capabilities are automatic and in almost all cases, free of charge. There is never a need to load software on your local PC’s and mobile devices.

Flexible Multi-user Access

Active energy is a cloud-based product, so you can access information, reports, and be notified of alerts through your existing technology.

No software to buy! Multiple users with varying levels of access can use Active Energy, making it ideal for managing multiple buildings in multiple locations with varying levels of authority and expertise.

Modeling Building & Equipment Energy Use

Active Energy, utilizing built-in innovation, “learns” how your building and equipment works over time by looking at what drives energy use for the building and specific equipment.

This could be local weather like temperature, humidity, cloud cover or even occupancy of the building. A model for energy use based on these drivers is created for all situations, so you will know just how much energy you should be using on any given day, month or year.

The system monitors the building and equipment and will alert you to situations when your buildings or individual pieces of equipment are using more energy than they should be under the given operating conditions. Only Active Energy can do this!

Reduce Energy Consumption

By leveraging tools like time-based load analysis, mined data can be reviewed in multiple ways, including spectral analysis. Charting your time-based loads via spectral analysis provides a straightforward method to identify energy usage occurring outside of normal operating times.

Color-coded output clearly displays utility consumption based on a selected meter and date range, and allows you to easily find any anomalies in building performance.
Easily Manage Multiple Locations

There is virtually no limit to the number of information points or geographical locations that can be connected to Active Energy Manager, making it an ideal central energy monitoring and management resource for national multi-site locations as well as multi-building organizations.

A cloud-based, agnostic software platform, Active Energy Manager allows you to access building data regardless of the BAS or metering solution installed, letting you configure and adapt it to suit your needs.

Physical & Virtual Meters

Virtual meters can easily be created to mathematically consolidate the values of specific groups of meters to simplify your analysis of different load categories.

Benefits

• **Reduced energy costs through identifying equipment operating out of normal expected energy use**

• **Attractive financial return, sometimes almost immediate, when you can identify issues with existing building and equipment operation.**

• **Improved budgeting process for energy costs**

• **Supports the implementation of IPMVP protocol for ESCO and EPC contracts**

• **Validates energy consumption measures by performing before/after analysis**

With a user-friendly interface, Active Energy Manager enables the user to monitor energy consumption and generate usage charts, analysis, alarms, and reports.

These features allow the end user to monitor the energy performance of their building in real time and receive alerts during periods of energy consumption anomalies which may indicate a system override, a leak or a change in the building occupancy patterns that needs to be taken into consideration.
Sample Global Clients

- Fresh Thyme Markets, USA
- Sprouts Farmers Markets, USA
- Steiner Group, Ohio, USA
- Lunds, USA
- Easton Town Center, Ohio, USA
- Manchester Metropolitan University, UK
- 1450 Brickell, Miami, USA
- Dublin Airport Authority, Ireland
- University College Dublin, Ireland
- Dublin City University, Ireland
- Bord Gais, Ireland
- University of Salford, UK
- Arup Offices, UK
- Philips Offices, Asia Pacific
- Proctor & Gamble, UK
- McDonalds, Australia
- Spangdahlem US Air Base, Germany

“Active Energy assisted the Asset Care Team in T2 target and validate energy saving initiatives resulting in 11% reduction in electricity consumption in 2012.”

Neil Moran
Dublin Airport Authority
American Auto-Matrix, with offices in Pittsburgh, PA, Atlanta, GA, and Manchester, NH, has been providing innovative energy and building control systems to the commercial and retail building market for over 35 years.

Acquired by Cylon Controls, a Dublin based global controls company in 2014, we are continuing our tradition of innovation with expanded resources and products.

We have a world-wide network of integration partners trained to program and install our products in commercial buildings ranging from multi-site retail to high rise buildings.

Thousands of customers, including hospitals, laboratories, government facilities, airports, college campuses, and retail outlets count on American Auto-Matrix products every day to increase and optimize building performance.

Every day, we continue to meet the challenges facing building owners and operators to reduce energy use while providing comfortable and sustainable environments.

To learn more about American Auto-Matrix, visit us online at:

www.aamatrix.com

About American Auto-Matrix

Become A Partner

With 40% of energy being consumed by our buildings, energy efficiency is one of the key enablers in creating a greener world.

American Auto-Matrix is passionate about working with Solution Integrators and their clients to ensure the way we work and live uses all of our energy resources optimally.

The Active Energy partnership solution will improve your customer service offering as well as reducing your administration and software development costs.

Our growing list of partners include:

- Arup
- Philips
- Vayu
- Energy Squared
A Solution to Meet Your Needs

Because Active Energy Manager is agnostic, it can be adapted to suit any type of building, regardless of the BAS or metering solution installed.

Configurable and adaptable to suit your needs, and has no limits to the number of information points or geographical locations that can be connected to the system, delivering an ideal central energy monitoring and management tool for multi-site and multi-building organizations.

Schedule a demo today to learn how an Active Energy solution can be integrated in your buildings and reduce operational costs.