ESP: MEASUREMENT & VERIFICATION (M&V) ANALYTICS

The key to validating return on investment.

INSIGHT INTO ENERGY USAGE

Portfolio owners are often at the mercy of third parties or the retrofit/retro-commissioning firms to document actual savings for validating the return on investment made in energy retrofit/retro-commissioning initiatives. Owners and operators need a flexible analysis tool for evaluating all aspects of an organization's energy profile. Side by side comparisons of energy consumption, demand, cost and weather impact of base year vs. current year data are available from a single facility up through the entire portfolio.

Talisen's Measurement and Verification (M&V) Analytics are designed to provide insight into energy usage over time as clients implement energy conservation measures across their building portfolio. Baseline records for energy consumption, along with weather normalization, allow clients to accurately measure building performance in accordance with the International Performance Measurement and Verification Protocol.

FEATURES

1 Validate return on investment made in energy conservation measures

2 Ability to create multiple baselines

3 Get insight into true energy savings, the impact of weather and rate changes

4 Ability to support custom baseline energy models and operates on interval or utility consumption

BENEFITS

The M&V tool provides the ability to analyze any site, time period, and utility to get a better understanding of the actual costs and savings of their portfolio. The framework within the analytics also allows for measuring different periods for a site/building and comparing where costs have increased or savings have been achieved. This visibility is essential to validate cost saving initiatives as well as to justify future energy saving contracts.
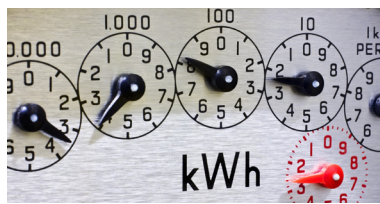
ESP converts building data into **visual knowledge** with Key Performance Indicators (KPIs) that **drive sustainable decision making**.

ENTERPRISE SUSTAINABILITY PLATFORM (ESP)

Talisen's Enterprise Sustainability Platform (ESP) is an enterprise level tool that aggregates and consolidates the management of data from metering systems, building automation systems, smart sensors, applications, building management systems, and IT systems.

ESP is a scalable IoT platform and offers customizable dashboards to provide easy access to enterprise-wide information. The cloud-based platform operates through a secure access gateway to integrate and collect real-time data from different systems, normalize and analyze the data to identify actionable information, and visualize the knowledge to various stakeholders.

BUILDING BLOCKS OF ESP

Utility Analytics
View utility cost, consumption measures, bills, real-time and historical information.

Interval Data
Analyze interval data from building automation systems, smart sensors, meter and wireless devices.

Portfolio Analytics
View baseline, past, or current energy measurements to determine building rankings in a portfolio.

Fault Detection
Receive alerts and view analytics on current and historic data points to identify issues.

Measurement & Verification
Continuously measure and verify energy and operational savings using international protocols.

Kiosk Display
Share energy efficiency successes and project information with both building occupants and visitors.

FOR MORE INFORMATION

If you want more information please contact us at 314-317-7700 or visit our website www.TalisenTech.com.