ESP: BUILDING AUTOMATION SYSTEM ANALYTICS

Providing Actual & Historic Building Information

REDUCE ENERGY USAGE AND LOWER COSTS

Facilities Managers are being tasked with reducing energy usage and lowering costs. They need access to real-time and historic building information as well as analytics from a single system. Important information about a building's heating, ventilation and air conditioning, lighting and other systems, as well as historical data, is essential knowledge that affects their ability to fulfill these responsibilities.

The BAS analytics will help to manage and reduce energy usage, highlight operational issues and improve overall facility operations, resulting in lower costs, greater occupant satisfaction and improved performance of assets.

FEATURES

1 Provides a flexible interface for creating fault rules

2 Automatically identify equipment faults for improving effectiveness and efficiency

3 Manage facilities and equipment in a more energy efficient manner

4 Turns operational data into actionable issues easily and efficiently to support identification of energy conservation measures

FAULT DETECTION AND DIAGNOSTICS

The Fault Detection and Diagnostics Engine runs 24/7 analytics on all current and historical data points to identify the most common yet most overlooked faults to identify issues early before they become costly problems.

BAS Analytics allows domain experts to capture their knowledge in "rules" that automatically run against the data produced by smart systems. Employing semantic tagging, pattern recognition, functional rules processing and other techniques allows the analytics engine to automatically identify issues worthy of attention. The results show users what they need to know about the performance of their systems.
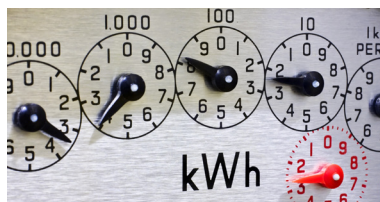
ESP converts building data into **visual knowledge** with Key Performance Indicators (KPIs) that **drive sustainable decision making**.

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.