

OwlPoint SMART ENERGY SUITE SNAPSHOT

- Real-time and historical view of a building's energy spending, consumption, and carbon footprint
- Analyzes energy consumption patterns and recommends specific steps to optimize a building's overall operations
- Protects savings moving forward so that energy improvements are continuous
- Ability for property owners to sub-meter buildings in order to track and chargeback actual tenant energy usage

GOAL

- Reduce energy spending +20%
- Increase energy efficiency +20%
- Decrease carbon footprint +20%

Overview

Building Automation Systems (BAS) and Meter Data Management Systems (MDMS) have been designed for engineers and utility experts focused on monitoring system information. As a result, they are not user friendly or designed to reduce energy consumption. They are simply not geared towards decision-makers who want to measure business metrics and shape business strategy. The focus is technically specific, and it lacks an eye for the bottom line.

As a result, companies can spend millions of dollars without reducing energy and realizing an ROI.

The **OwlPoint** Smart Energy Suite has progressed green building management to better meet real business needs. It leverages patent-pending technology to provide a simple, easy-to-use energy management system.

With this system, using any web browser, executives can access an advanced dashboard and informative iGoogle graphs that provide high-level, real-time views of energy spending, consumption, and carbon emissions. Additional drill-down capability allows users to compare year-over-year monthly spending and usage, and can make detailed performance comparisons to similar buildings.

This Suite delivers unprecedented access and ease of use – a building energy-management solution that goes beyond control to give you true command.

Getting Started

OwlPoint Smart Energy Suite features a hardware device that is installed in the building and connected directly to the utility meter. Easy to install, it only requires a 110-volt power supply, utility-provided pulse

meter, wall mount, and an Internet connection. Utility data collection begins as soon as the device is installed and online, with data immediately displayed on the system dashboard and iGoogle graphs.

Clients typically use the dashboard to create a snapshot of a building's current performance, often displaying the information in the lobby as proof of their commitment to energy efficiency and carbon-footprint reduction.

The iGoogle graphs illustrate a usage model or signature for a seven-day period, which can then be used for discovery and notification. If a building operates outside of programmed normal operations, the system triggers real-time notification to help identify the concern. Users are alerted and can login directly to the analysis tool for further investigation.

Maximizing Return

The system's initial objective is to establish a building's energy usage baseline. Once set, the corresponding occupancy schedule is programmed and the notifications are implemented. The **OwlPoint** Smart Energy Suite analysis capability can then drill down to scrutinize additional data, resolve issues, and further optimize building assets.

While the analysis tool provides users with key metrics, indoor and outdoor temperature, and signature analysis features, it can also be used to manage and track sub-metered tenant space for charge-backs (allocations). It also provides the ability to manage and track sub-metered devices, allowing clients to monitor an unlimited number of devices via the MODBUS protocol.

OwlPoint Smart Energy Suite Components

- Smart Energy Monitoring Service: 24x7 Energy Monitoring Service with real-time notification
- Smart Energy Dashboard: Displays current spending (\$), usage (kW) and carbon (CO2)
- Smart Energy iGoogle Graphs: Web-based seven-day “snapshot” of building/sub-meter energy consumption with drill-down/zoom capabilities
- Smart Energy Analysis: Web-based MyG2N login and analysis tool featuring key metrics, indoor and outdoor temperature, and signature analysis features
- Smart Energy Sub-Metering: Tracks and monitors building/device sub-meters just like a building meter
- Smart Energy Invoice Management: Sub-meters space and generates invoices to chargeback tenants based on energy usage
- Smart Energy Scheduling: Correlates building HVAC schedules to lease/occupancy schedules and sets up alarming



About OwlPoint:

OwlPoint, LLC is an IT Management Consulting firm focused on Strategy, Governance and Operations services with specialties in the areas of Green IT, Training & Certification and IT Service Management. OwlPoint was founded on the principle of acting as a partner with our clients. We believe in taking the time to understand our client's individual needs and provide services that quickly lead to our clients reaching their goals.

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