

COMMERCIAL REAL ESTATE OWNERS: HERE'S WHY SMART BUILDINGS MATTER

Contributed By: Tony Lepre, Tony Lepre, Energy Consultant, Pennoni

OCTOBER 2, 2019

Utilities Watch Key Benefits

Reduce costs

- Optimize buildings and reduce energy consumption
- Increase control and visibility of energy budget
- Decrease maintenance and capital costs through proactive and predictive maintenance
- Increase lifespan and reliability of HVAC systems

Validation and M&V

- Performance goals
- ECM's, LEED

Commissioning

- MBCx – automated ongoing commissioning

Risk Management

- Disaster recovery (information supports better identification of issues)

Improve sustainability strategies, goals, and metrics

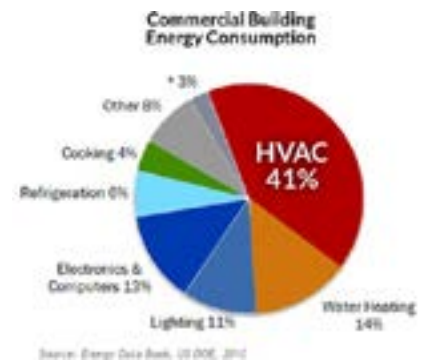
- Full integration to EnergyStar Portfolio Manager
- Earn additional LEED points for existing buildings

Improve portfolio management

- Benchmark buildings and compare performance
- Performance accountability

Energy cost savings are top of mind for every commercial building owner, operator, and facility manager, but it's time to be proactive. On average, a U.S. office building spends nearly 29% of its operating expenses on utilities, and much of this expenditure goes toward HVAC operation.

Researchers at Massachusetts Institute of Technology (MIT) estimate commercial buildings account for 20% of all the energy used in the U.S. and conclude that as much as 30% of that energy is wasted. Wasted energy will only increase over time without intervention. Imagine a solution that prevents waste and saves 15-30% on energy expenses? That's possible to achieve with smart buildings.



Smart buildings are any facility that have complete automated controls and systems in place that are integrated together to form an intelligent data collection application, usually via a building automation system (BAS). BAS offers reduced operation and energy consumption, improved building efficiency, preventative maintenance, comfort for workers and building occupants, and better use of resources.

At Pennoni, we offer our Utilities Watch (UW) solution, a combination of best-in-class energy analytics/fault detection software and engineering expertise that optimizes buildings, reduces costs, and minimizes environmental impact. Through UW, our software continually analyzes data from diverse systems: BAS, energy, water, and other resource metering systems to identify opportunities for cost reduction. The fault detection and diagnostics application within the software drills down into patterns to identify issues, deviations, and

follow us:    

“Building Successful Relationships” is our Mission.

The foregoing information was furnished to us by sources which we deem to be reliable, but no warranty or representation is made as to the accuracy thereof. Subject to correction of errors, omissions, change of price, prior sale or withdrawal from market without notice. This article is for informational purposes only. © 2019 WCRE All Rights Reserved

opportunities for operational improvements and cost reduction.

Deploying smart software is only half of the equation. Our energy analysts and engineers write custom algorithms to automate analyses that traditionally required constant manual effort. From there, our team of engineers interprets the data to make it meaningful and actionable with custom dashboards and notifications that ensure the facility manager has full visibility and can readily prioritize activities, ensuring much greater efficiency.

For more on Utilities Watch, contact Tony Lepre at (609) 214-5520 or TLepre@Pennoni.com.

For more information, contact:



Tony Lepre
Energy Consultant

Pennoni
1900 Market Street, Suite 300 | Philadelphia, PA
19103
Mobile: +1 (609) 214-5520
www.pennoni.com | TLepre@Pennoni.com



follow us:    

“Building Successful Relationships” is our Mission.

The foregoing information was furnished to us by sources which we deem to be reliable, but no warranty or representation is made as to the accuracy thereof. Subject to correction of errors, omissions, change of price, prior sale or withdrawal from market without notice. This article is for informational purposes only. © 2019 WCRE All Rights Reserved