


modiüs[®]

OPENDATA[®] FOR SMART BUILDING ANALYTICS



Efficiency through analysis



Turn Data into Actionable Intelligence

The premiere smart building monitoring system

Buildings have certainly caught up with the IoT revolution of “smart things” with comprehensive automation capabilities and a torrent of near constant chatter from equipment and sensors. These data streams supply information on everything from tenant access records to environmental controls. The challenge building operators face is not in the amount of data generated, but how they can turn that data into actionable intelligence. Often, “building analytics” consist of manual or episodic inspections of condition-based data (e.g. an alarm goes off, a refrigerator door is left open) and operators are busy reacting to these conditions without the benefit of looking at a holistic longer-term view which can reveal hidden efficiency gains or prevent incidents altogether.

Understanding your building systems and devices well enough to unlock actionable intelligence can be a challenge and correlating those changes over time to understand the larger economic picture of your smart building systems can seem almost impossible.

Your Building Control Systems (BMS), metering systems and other dashboards do an excellent job at showing you episodic and siloed data but are notoriously insufficient at deeper time-based analysis of your entire data ecosystem --- where the real hidden value lies.

With OpenData from Modius you can go far beyond isolated alerts and episodic data samples by deploying an automated approach to data collection and a normalization across your smart building ecosystems that can be easily analyzed by both end users, third party systems and automated algorithms.

By capturing data from both your building management systems and your equipment in real-time, you can unlock greater efficiency gains, energy savings, and detect downtime before it happens.

With OpenData you can:

- ✓ Monitor all building equipment
- ✓ Reduce building energy costs
- ✓ Find efficiencies hidden in the data
- ✓ Analyze data over large periods of time
- ✓ Predict maintenance downtime

Fast Facts

Founded in 2004

Veteran Owned Small Business (VOSB)

Highly scalable and proven enterprise platform

No coding for device integration

User definable KPI's and analytics

Advanced Machine Learning

Real-time Analytics

Unlocking smart building efficiency

Edge deployed solution to monitor, report and act.

As a building operator you want to reduce operating costs, ensure customer comfort, and reliably maintain your facility infrastructure without any downtime or exorbitant repair and replacement costs. However automating data collection and normalization across multiple devices and systems can be a costly and time-consuming process.

OpenData by Modius can be deployed rapidly and leverage your existing OT investment by supplying user configurable integration into your existing BMS and alert systems without coding of device drivers, thereby reducing implementation risk and cost --- and supercharging your time to value of this investment.

The timely analysis of data is a critical factor in really knowing how your systems are operating and are a core component in finding hidden efficiencies gains that can be deployed before incidents happen.

OpenData captures system data in real time and automatically normalizes and analyze this data over a time series to isolate systems and equipment most likely to benefit from productivity gains. These recommendations are then used to reduce energy consumption, locate and alert on anomalies in system behaviors that could impact peak efficiency, and allow for the optimization of people resources such as automatically deploying maintenance crews where they are most needed.

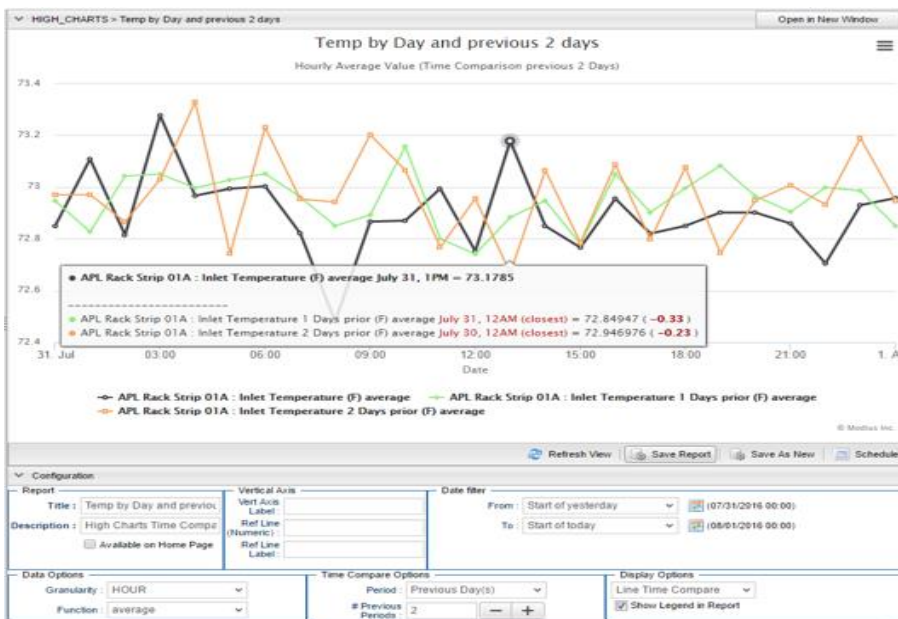
SMART

OpenData analyzes millions of points of data and only sends you the most relevant alerts and notifications.

Simplifying building complexity into actionable intelligence

OpenData provides in depth reporting and dashboard views for simplified presentation and advanced analysis

Monitor: Building operators can now see the whole picture by capturing, analyzing and understanding more data than previously possible, in one consolidated view.



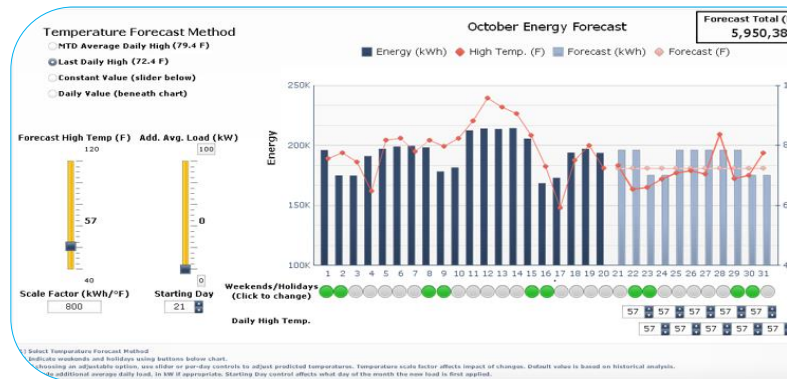
ENERGY SAVINGS

OpenData actively monitors equipment energy consumption over time to determine potential conflicts (e.g. heater and AC running simultaneously).

Operational Efficiencies

OpenData by Modius helps you understand power and efficiency metrics of your smart building environment in greater detail, allowing you to deploy internal resources intelligently.

With new focused views into your smart building system and devices, you can now prioritize people resources and automatically send maintenance crews to the areas where they will have the greatest impact on your building operations.



Energy Optimization

Energy optimization and monitoring, allows you to implement productive changes for one of your fastest growing and most easily controlled operating expenses.

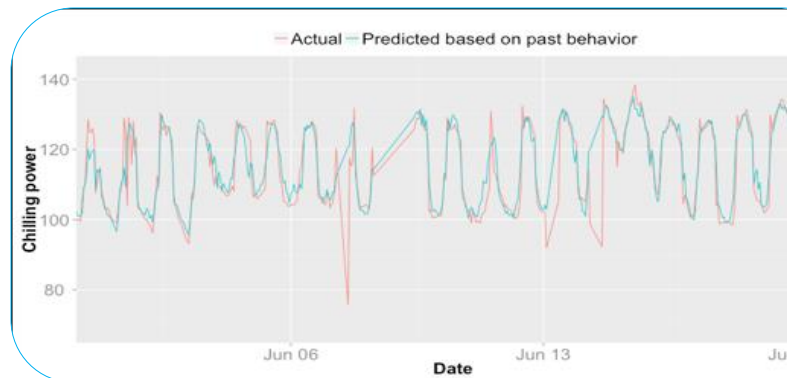
Actively analyze your power usage effectiveness across all your equipment while implement time series analysis of existing equipment to see how conditions such as utility rates, aging equipment, and weather patterns affect your power consumption.



Automated Fault Detection

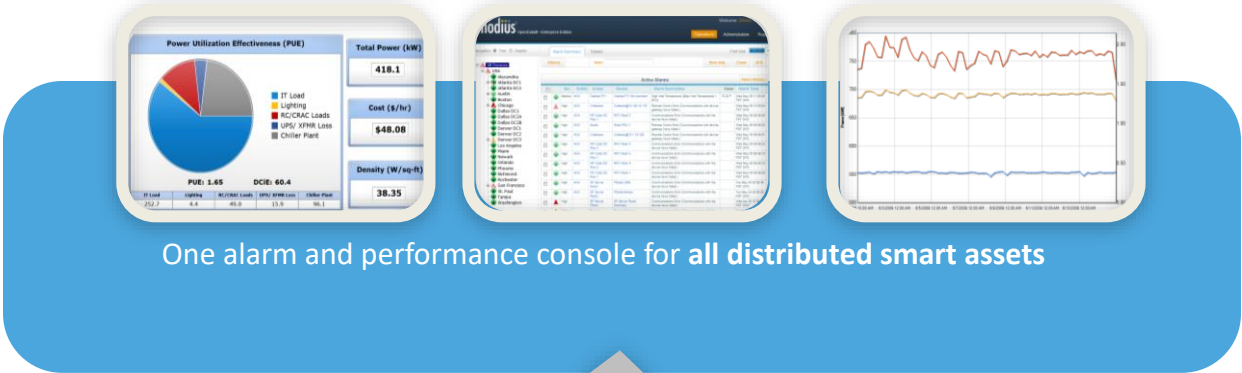
OpenData uses artificial intelligence and sophisticated data analysis to leverage capabilities within automation control systems to detect unwanted "faults" in equipment thereby helping maintenance personal ensure that buildings run smoothly and efficiently.

OpenData utilizes user-deployable automated fault detection algorithms to improve the operational efficiency of heating, ventilating and air-conditioning (HVAC) systems



OpenData in Action

OpenData actively collects massive amounts of building data, normalizes this at the edge, and uses advanced machine learning to send you actionable insights into your entire smart building ecosystem.



One alarm and performance console for all distributed smart assets

OpenData
Alarm +
Performance
and tracking



Open Data is the smart choice for building monitoring and analysis

OpenData by Modius offers a complete cost-effective monitoring and analytics solution that you can integrate with your pre-existing building infrastructure investment today, supplying the confidence you need to make actionable and timely decisions to keep your building costs low and running at peak efficiency.

Rapid Deployment

Easy to deploy and get started

Library of XML templates for easy device on-boarding (or wizard for new devices), and enterprise scale data normalization

Cost Effective

Enterprise Tested, low cost to maintain

Completely user configurable (i.e. no reoccurring services costs)

Massively Scalable

We grow with you

OpenData can scale both technically and economically from very small buildings to very large buildings – to an entire portfolio of buildings.

Powerful Analytics

Advanced AI and Machine Learning

User deployable machine learning algorithms, real-time views across all sites, and advanced reporting tools offer comprehensive building intelligence.

GET STARTED

Learn how we can started analyzing your smart building today



CONTACT YOUR MODIUS REPRESENTATIVE FOR MORE INFORMATION ABOUT HOW OPENDATA MAKES IT POSSIBLE TO EASILY TRACK AND REPORT ON SMART BUILDING DATA TODAY!



71 Stevenson Street, Suite 400, San Francisco, CA 94105 USA
sales@modius.com www.modius.com (888) 323-0066