OPENDATA® FOR EDGE DATA CENTERS

Efficiency through analysis

Real-Time edge data center monitoring

IoT for IT™

IT environments continue to be pushed toward innovation now that the IoT revolution has materialized and their growing list of "smart things" require local compute power and dedicated IT assets to keep their ecosystem running efficiently. It becomes infeasible to maintain one centralized data center to manage all their software applications and IT and facility equipment, so the concept of "edge data centers" has recently emerged as a modern IT framework for IoT ecosystems.

More companies are looking to distribute compute power to the edge as they look to reduce data transportation costs and increase performance of distributed applications, services, and physical equipment.

With OpenData you can:

✓ Monitor all distributed edge equipment in one view

✓ Monitor edge health status

✓ Find efficiencies hidden in the data

✓ Analyze data over large periods of time

✓ Predict maintenance downtime

✓ Monitor power usage effectively

✓ Reduce energy costs

✓ Deploy quickly, Monitor today

Latency sensitive need-it-now IoT devices require more localized decision making as well as the software applications and physical infrastructure to support this type of distributed setup.

OpenData supports and edge data center distributed architecture organically, monitoring localized IT assets as well as the supporting facility equipment in real-time while utilizing advanced machine learning algorithms to understand and intelligently report back on equipment and data center health. With OpenData you can monitor and see health of all your edge data centers worldwide.

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

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 data efficiency at the edge

Edge deployed solution to monitor, report and act.

As an IT or facility manager, one may want to reduce operating costs, ensure up-time, and reliably maintain your edge infrastructure without any downtime, all while avoiding exorbitant repair, and replacement costs. However, automating data collection and normalization across multiple edge data center deployments and integrating into multiple devices and systems can be time consuming and costly.

OpenData by Modius can be deployed rapidly anywhere you need compute power and leverage your existing IT investment by supplying user configurable integration numerous IT tools and alert systems without the coding of device drivers, thereby reducing implementation risk and cost --- and supercharging your time and 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 analyzes 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 identify anomalies in system behaviors that could impact peak efficiency, and allow for the optimization of human resources, such as automatically deploying maintenance crews where they are most needed.
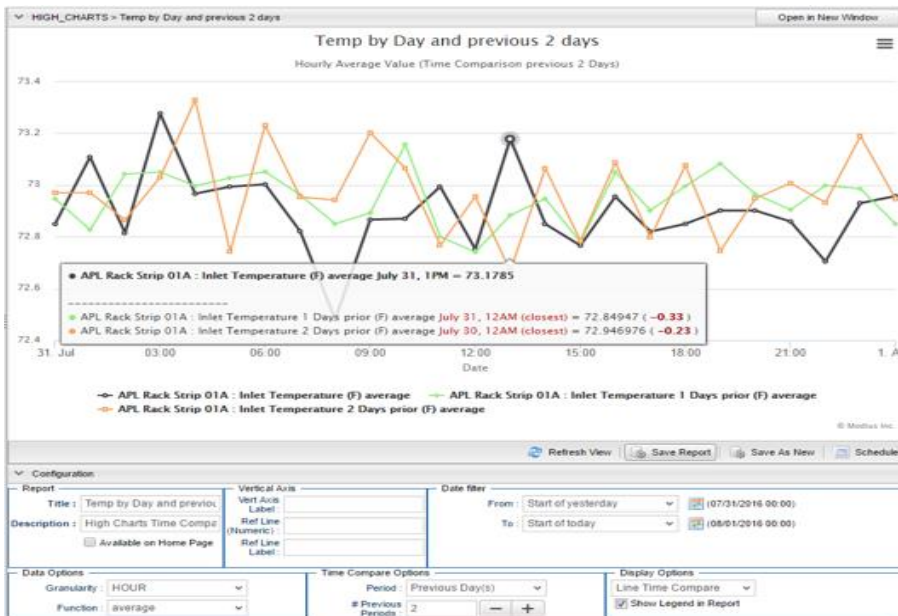
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SMART

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

Simplifying distributed data center complexity into actionable intelligence

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

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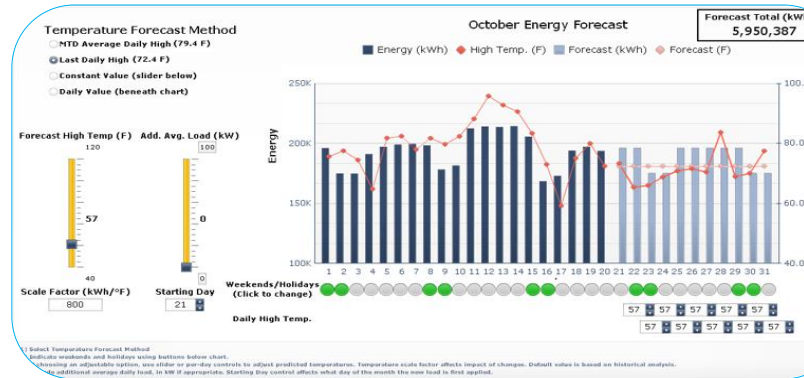

ENERGY SAVINGS

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

Track Everything

Modius OpenData is a highly scalable IoT platform designed specifically to handle the issues of data collection from both legacy and new heterogeneous infrastructure assets within your edge data center.

The OpenData platform does all the heavy lifting; communicating with all types of devices from any manufacturer, normalizing data across all devices, and creating calculated data metrics which are available for systems level management.

Monitor everything

As data centers become more distributed they also become more difficult to manage. Edge data centers act as the tip of the spear for latency heavy applications making them your most customer-visible and potentially valuable IT asset.
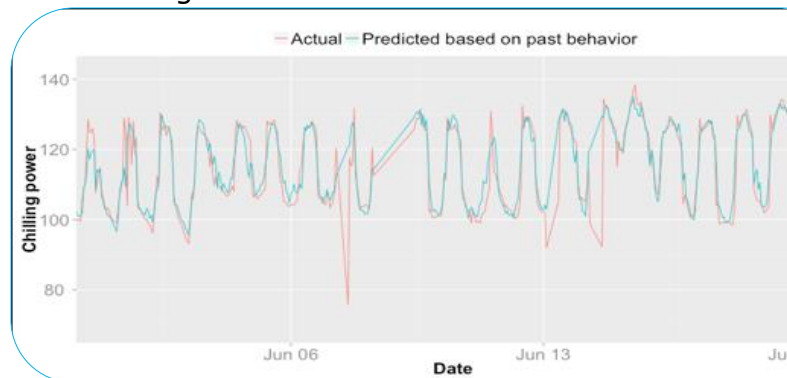
With OpenData you can analyze and monitor the health of everything that effects your edge environment, aggregated from vast amounts of machine and sensor data.

Smarter Analytics

The OpenData solution captures and trends granular performance data from all critical devices. OpenData utilizes an open architecture to deploy machine learning and predictive analytics for intelligent decision making.

OpenData Analytics automatically collects, translates and normalizes Big Data into structured metrics that are easily formatted for analysis and presentation in reports, charts, graphs and dashboards.

OpenData and Dell – Deploy Fast, Monitor Today

OpenData is easily deployed on Dell Gateways, powered by Intel, and actively collects massive amounts of telemetric data, normalizes this at the edge, and uses advanced machine learning to send you actionable insights into your entire edge data center ecosystem.

OpenData – Edge Deployment

One alarm and performance console for **all distributed edge data center smart assets**

OpenData Alarm + Performance and tracking

Edge Data Center

Power & Cooling

Mobile Data Center

OT Equipment

Open Data is the smart choice for Edge Data Center and distributed IT deployment monitoring and analysis

OpenData by Modius offers a complete cost-effective monitoring and analytics solution that you can integrate with your pre-existing IT investment today, supplying the confidence you need to make actionable and timely decisions to keep your Edge Data Centers 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 server closets to tier 4 data centers, and all related facility equipment.

Powerful Analytics
Advanced AI and Machine Learning

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

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

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