modius®

MODIUS OPENDATA® FOR EDGE DATA CENTER MONITORING

The OpenData® system from Modius is the industry's only fully distributed data-collection solution for gathering real-time performance metrics of edge data centers and mission critical facility equipment. It offers rapid deployment, core alarming, and condition monitoring for all your distributed data center assets.

MONITORING AT THE EDGE

More companies are looking to distribute compute power to the edge as they look to reduce transportation costs and increase performance of distributed applications, services, and physical equipment.
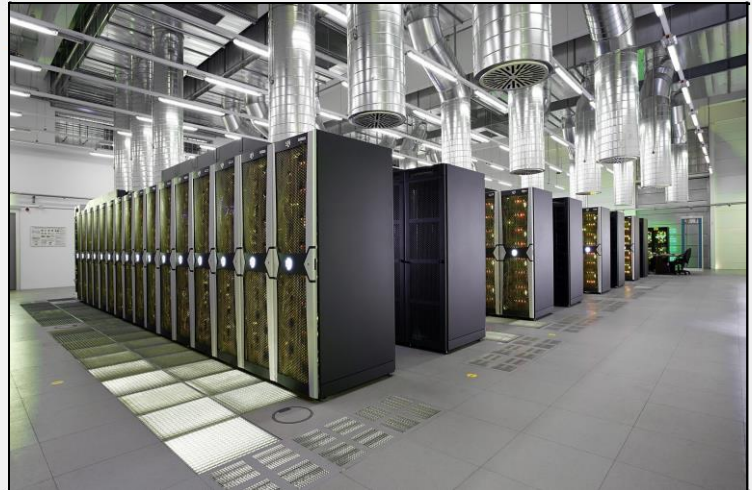
Latency sensitive need-it-now IoT devices require more localized decision making as well as the software applications and physical infrastructure to support this type of distributed setup.

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 al of your edge data centers worldwide.

Modius OpenData® enables real-time visibility and decision support for managing facilities, edge data centers and supporting applications in your distributed IT environment.
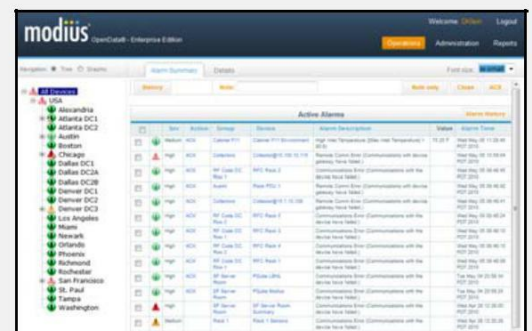
HOW IT WORKS

1: Modius is deployed locally to monitor your edge data centers.

2: Modius integrates into your local management systems, IT devices and facility equipment to give you real-time insights into the health of your edge environment.

3: Centralized views for alarming and location services of all your distributed data centers and assets with drill down capability.

4: Detailed reports and smart alarms for need-it-now information

EDGE DEPLOYMENT

1: OpenData deploys on edge gateways or virtual devices

2: Condition monitoring of all infrastructure equipment at the edge with automated real-time polling of equipment (both networked & serial)

3: Centralized alarm management to a single console across all mission-critical sites (data centers, server rooms, off-site assets, etc.)

4: Simplified data management via Intelligent Alarms capability

FEATURES

- Monitor of Monitors. OpenData works with all infrastructure management BMS solutions create a true centralized view.
- OpenData utilizes location services to see where your mobile assets are in real time (RTLS), and RFID for fixed location asset information.
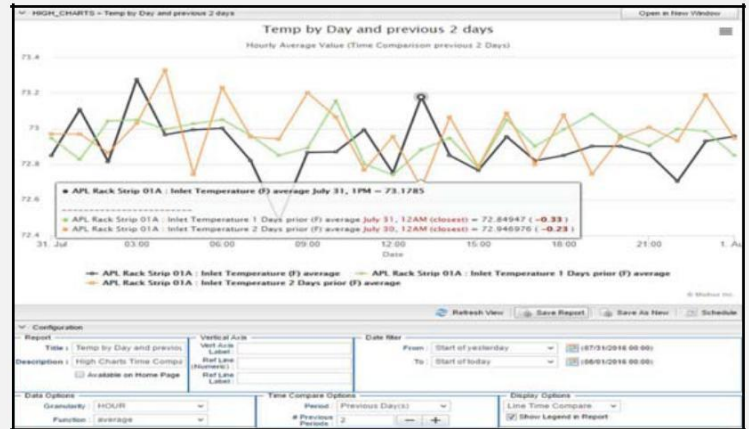- Insight into environmental sensors for impact awareness.

BENEFITS

- Centralized monitoring for a growing edge ecosystem of devices.
- Enterprise-class data center optimization packaged for the edge.
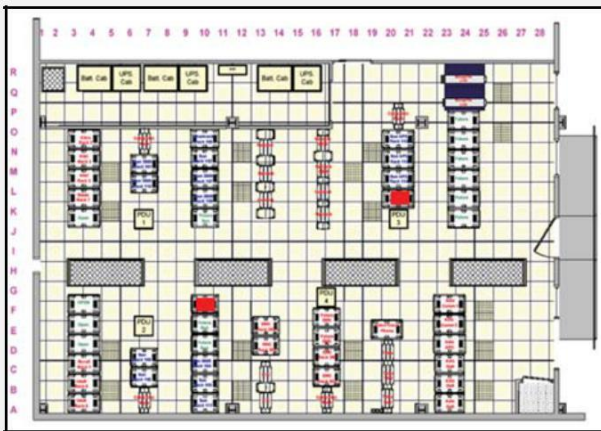
TRACK ANYTHING

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.
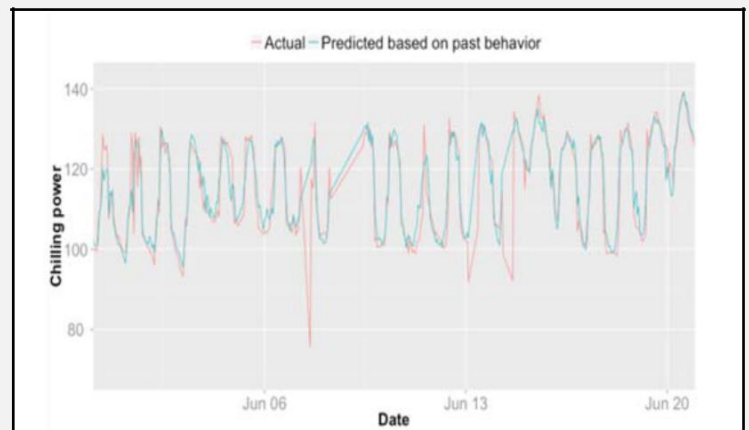

MONITOR EVERYTHING

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 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.

CONTACT YOUR MODIUS REPRESENTATIVE FOR MORE INFORMATION ABOUT HOW OPENDATA MAKES IT POSSIBLE TO EASILY TRACK AND REPORT CONTINUOUS POWER DATA FROM ANY DEVICE IN YOUR EDGE DATA CENTERS!