modius®

Modius *OpenData®* for Data Center Monitoring

Modius *OpenData®*

The *OpenData®* system from Modius is the industry's only fully distributed data-collection solution for gathering real-time performance metrics from across a network of mission critical facilities. It offers core alarming and data collection capabilities across all power, cooling, and environmental sensor equipment.

Modius *OpenData®*

As data centers become more efficient, they also become more difficult to manage. The margin for error in today's critical facility is dangerously thin. As operating temperatures are raised to new ASHRAE standards, and electrical distribution systems are run near maximum capacity, one device failure can leave the operator with very little time to react to prevent catastrophe.
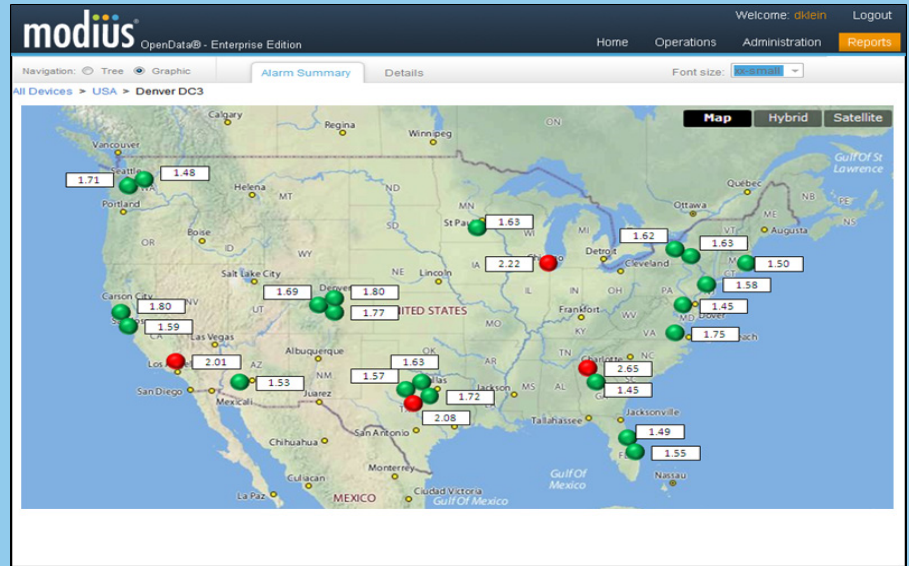
The *OpenData®* solution for infrastructure availability monitoring can help. It gives you the early warning you need by providing an end-to-end infrastructure monitoring system that actively polls every device in the data center (both IP-based & serial). The advantages of the Modius approach include Intelligent Alarms based on configurable computations. Rather than generate an overflow of low-level alerts, Modius sends you only the alarms you need when they matter most.

## Infrastructure Availability Monitoring

How it Works:

1. Automated monitoring of all infrastructure equipment in the data center through direct real-time polling of equipment (both networked & serial)
2. Centralized alarm management to a single console across all mission critical sites (data centers, server rooms, remote server closets, etc.)
3. Simplified data management via Intelligent Alarms capability

Features:

- Full monitoring and measurement of all infrastructure equipment (power, cooling, environmental sensors, and IT devices)
- Robust intelligent alarming using virtual (or 'computed') points
- Complete alarm management, including notification and escalation with history tracking
- Key reports:
  - Alarms by device
  - Notification by device
  - Notification by user
  - Non-reporting devices
  - Disabled alarms
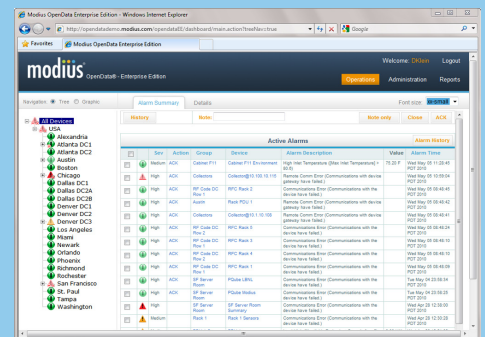
Advantages:

- Covers all major power and cooling devices, including IP-based and serial
- Easy to deploy, no on-site coding or programming for low TCO
- Supports all major Business Intelligence tools with open database access

Benefits:

- Centralized alerts and alarms for all devices
- Improve MTTR & lower MTBF
- Achieve true N+1 redundancy

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About Modius

Who We Are

Modius® provides unified availability and per-formance monitoring software for distributed data centers that helps protect business conti-nuity, reduce OPEX, increase capacity and improve efficiency.

Modius helps to unify IT and Facilities by pro-viding the real-time intelligence necessary to meet the demands of today's dynamic business infrastructure.

Modius *OpenData®* Value Propositions

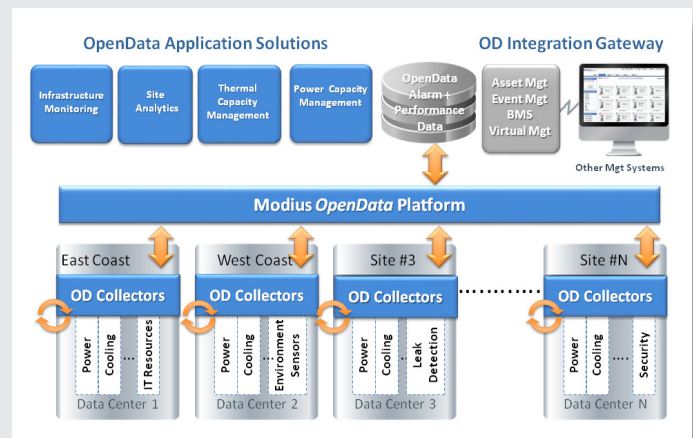| Protect Mission-Critical Assets	Lower Data Center Costs	Increase Data Center Capacity	Report Eco-Efficiency Metrics
• Faster response • Failure point reduction • Alarm redundancy • SLA statistics	• Energy cost savings • Real-time measurement • Better FTE leverage • Continuous improvement	• Track loads • Forecast growth trends • Balance power & cooling • Track "drift"	• Track GHG emission • Set baselines • Demonstrate gains • Prepare for DOE & EU compliance
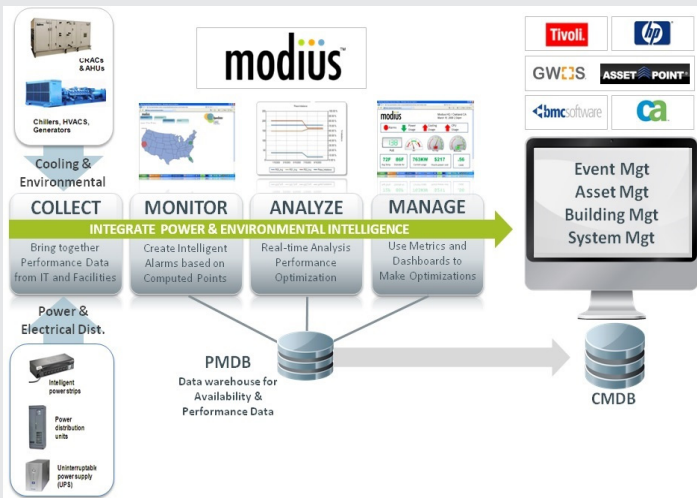
What We Do

The Modius OpenData® solution captures and trends granular performance data from all critical devices, including power, cool-ing, environmental sensors, and IT assets. Our goal is to help you better manage the competing demand of Availability, Capac-ity, and Efficiency in mission critical sites. Founded in 2004 and headquartered in San Francisco, Modius Inc. develops intelligent measurement systems that improve energy performance, carbon management, and data center uptime.

Why We Are Different

Modius offers an easy-to-install, end-to-end monitoring & analysis solution that is completely vendor neutral. The solution is highly scalable with no coding or program-ming required to add new devices or de-ploy across multiple sites. It is user-friend-ly by enabling users to configure their own naviga-tion screens and dashboards. Users can also configure computed or "virtual" points for intelligent alarms, metrics, and other key thresholds.