

Modius OpenData® for Data Center Management

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.

Automate Cooling Optimization

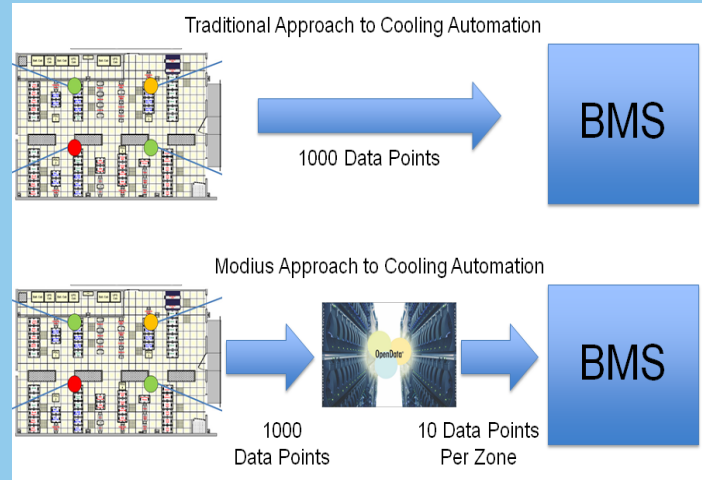
Data centers evolve and change every day. As a result, your true cooling requirements change with each physical Add/Move/Change. Add to this virtualized workload movement as compute loads move from rack to rack, and you have a very dynamic situation.

How do you ensure that your cooling resources are responding to this challenge? How do you ensure that your cooling resources are being dynamically optimized in order to supply the right amount of cooling where it's needed, and lower cooling loads where it's not?

Modius OpenData® for Dynamic Environmental Management can help. Modius captures real-time continuous data from both infrastructure equipment and IT devices, synthesizes it, and then feeds the right intelligence directly into your existing controls systems, whether BMS or other system.



Dynamic Environmental Management



How it Works:

1. Unified tracking of cooling equipment and environmental data based on continuous measurement
2. Synthesis of data using Modius algorithms by rack, zone, etc.
3. Cooling performance intelligence feed to existing control systems

Features:

- Universal vendor-neutral measurement of existing cooling and air management equipment including all environmental sensors:
 - Wired and Wireless environmental sensors
 - Embedded sensors on IT equipment
- Integration with BMS
 - BACnet publish capability
 - Feed configurable metrics directly to control systems



Advantages:

- Granular reporting on all cooling equipment
- Ability to feed synthesized metrics to existing control systems to improve responsiveness to changing environmental conditions

Benefits:

- Real-time monitoring and tracking of both cooling performance and IT demand
- Reductions in operational costs by modulating cooling usage to need by zone or by rack
- Increased overall data center capacity by optimizing cooling resources to changing and dynamic requirements
- Low-cost deployment with no on-site programming or complex services

About Modius

Who We Are

Modius® provides unified availability and performance monitoring software for distributed data centers that helps protect business continuity, reduce OPEX, increase capacity and improve efficiency.

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

Modius OpenData® Value Propositions

Protect Mission-Critical Assets



- Faster response
- Failure point reduction
- Alarm redundancy
- SLA statistics

Lower Data Center Costs



- Energy cost savings
- Real-time measurement
- Better FTE leverage
- Continuous improvement

Increase Data Center Capacity

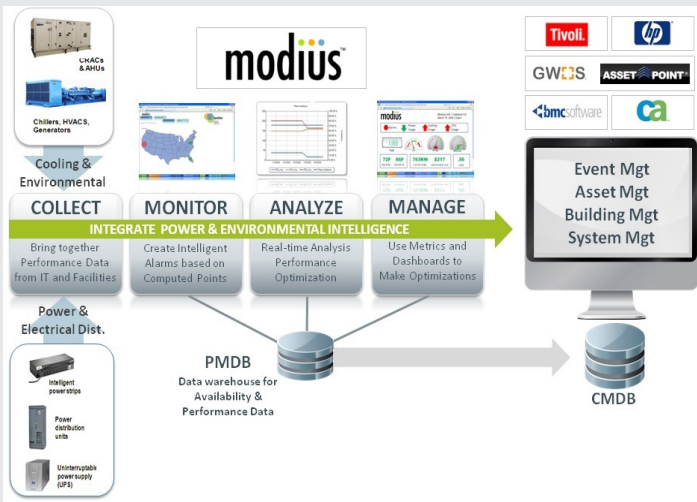


- Track loads
- Forecast growth trends
- Balance power & cooling
- Track "drift"

Report Eco-Efficiency Metrics



- Track GHG emission
- Set baselines
- Demonstrate gains
- Prepare for DOE & EU compliance

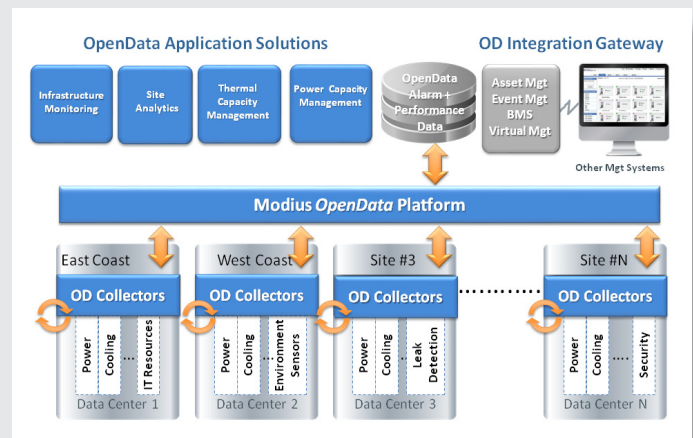


What We Do

The Modius OpenData® solution captures and trends granular performance data from all critical devices, including power, cooling, environmental sensors, and IT assets. Our goal is to help you better manage the competing demand of Availability, Capacity, 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 programming required to add new devices or de-ploy across multiple sites. It is user-friendly by enabling users to configure their own navigation screens and dashboards. Users can also configure computed or "virtual" points for intelligent alarms, metrics, and other key thresholds.



Contact Modius for more information about how OpenData makes it possible to easily track and report continuous power data from any device in your data center

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