

PUE-in-a-Box™ Solution

The Modius PUE-in-a-Box Solution provides a non-intrusive, turnkey PUE Monitoring Solution as currently mandated by Executive Order 13693.

Modius' PUE-in-a-Box Solution Description

With a mandate to reduce data center spending by \$1.36B over the next 3 years, every Federal agency is now required to install instrumentation to measure PUE in every data center not subject to closure. All remaining data centers must have a PUE lower than 1.5 by September 2018.

Modius' PUE-in-a-Box Solution provides an inexpensive, turnkey approach to collecting data needed to generate and report on PUE Metrics in compliance with the guidelines established by the Federal Energy Management Program (FEMP) and Department of Energy's Better Buildings Program.

Modius makes it easy to report on PUE Metrics for your data center after evaluating your current infrastructure instrumentation for generating PUE calculations. After this PUE Site Assessment, you will have a clear plan for what data points can be collected from current devices and what infrastructure, if any, must be metered. Once the meters are installed, data relating to your facility's PUE is collected, normalized and stored for presentation through our cloud-based Web portal, (or optional on-premise software installation).

Modius' PUE-in-a-Box Solution can be operational in a few easy steps:

- PUE Assessment - This required on-site survey provides a road-map for achieving PUE Monitoring in your facility.
- Device integration or installation of additional metering.
- Installation of OpenData software to gather data from devices and meters
- Configuration and training for OpenData PUE reporting

In a few short days, your facility or data center can be generating the reports you need for L1C PUE Monitoring compliance using the Modius PUE-in-a-Box Solution offering.

Why use Modius' PUE-in-a-Box Solution?

Our service personnel have decades of experience implementing data collection strategies for PUE reporting. This experience provides the following benefits:

- Faster implementation
- Reduced implementation costs by avoiding "over metering"
- Complete solution, including hardware, software, training and on-going support
- Available on GSA Schedule 70 and SEWP

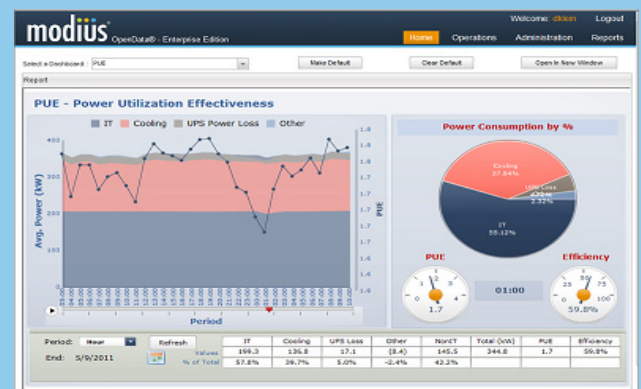
PUE-in-a-Box Deliverables



Audit and Assess Metering Strategy for all Infrastructure and IT Equipment



Installation of Sensors and meters to cover gaps in data required to produce PUE Calculations



PUE-in-a-Box Web-based Portal for viewing and reporting on facility PUE Data

PUE-in-a-Box Purchasing Details

Modius will provide the following PUE-in-a-Box” deliverables to achieve PUE L1C monitoring

- **Hardware Installation** - Metering, Comm. Card & Device Integration - \$1,000 to \$10,000 (Charges vary based on site complexity)
- **Professional Services** - Device and Meter integration, software installation and configuration for device data collection, Onsite training and project management - \$3000 - \$5000 (Based on complexity, not including travel)
- **OpenData Web-based Portal** - PUE Monitoring and Reporting - \$4,500 for a 3 Year Service Contract with unlimited users

Additional Products & Services

Modius provides GSA mandated DCIM software and services

OpenData Enterprise Edition - SaaS or On-Premise

- Real-time Device Monitoring
- Asset Management
- Power Capacity Management
- Environmental Management
- Multi-Site Installations
- Advanced Analytics
- Control system integration
- Networked & serial devices

Professional Services:

- Pre-implementation Site Assessments
- Solution Technical Architecture Design
- Controls Network Design
- Hardware Agnostic Device Integration
- Software Installation and Configuration
- Training
- Post-implementation site analysis

Past Performance



Client: **Wells Fargo**
Project: Global roll-out of centralized monitoring and analytics solution for 28 Data Centers.



Client: **Cologix**
Project: 27 Site roll-out of data center infrastructure management for co-location operations.



Client: **365 Data Centers**
Project: OpenData solution provides real-time power monitoring and metering for customers of this co-location provider

Company Profile

Founded in 2004, Modius, Inc. is a leading provider of management information systems for optimizing data center and facility infrastructure and operations. Modius develops and commercializes real-time monitoring and analytic solutions that enable unified visibility and better control over the critical facility infrastructure, including power, cooling, and network equipment. Modius’ mission is to simplify the operations of increasingly diverse and complex facilities and IT environments, while markedly improving performance efficiencies.

The Modius flagship product, *OpenData*, monitors all power-distribution, cooling and environmental sensor equipment from a single console, providing comprehensive Real-time Operational Intelligence (RtOI) for unified performance analysis and metrics. OpenData captures and stores device health, environmental and energy-consumption data from a broad range of site infrastructure devices and sensors, providing real-time monitoring for building and facility infrastructure, data centers, call centers, server closets and mechanical yards.

Codes & Certifications

DUNS Code - 148414126

NAICS Codes – 541511, 541512, 541519, 541350, 238210, 518210, 511210

CAGE Code - 5CJ70

SAM.gov website registered

Veteran Owned Small Business (VOSB)

Core Competencies

Modius provides software and services designed to help data centers and facilities operate more efficiently.

- Infrastructure Monitoring
- Asset Management
- Big Data Analytics
- Capacity Planning
- Environmental Management
- Internet of Things (IoT)

Contact your Modius representative for more information about how a PUE-in-a-Box Solution can accelerate energy efficiency and comply with mandated PUE Monitoring in your data center.

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