

# Nlyte Energy Optimizer (NEO)

Mitigate, Measure, Maximize

## PRODUCT OVERVIEW

In today's on-demand world, an enterprise needs the visibility and agility to react quickly to changes in the state of its data centers. The health of a data center's infrastructure is paramount to an IT organization's mission to deliver high quality services on time and cost effectively.

Our comprehensive monitoring covers all major protocols and devices as well as reporting. In addition, we have advanced monitoring and alarming capabilities including up-to-the-minute event management and the associated analytics required for proactively managing data center infrastructure.

Nlyte Energy Optimizer (NEO) can ensure IT service continuity, driving real-time analytics into ITSM ecosystems. The breadth and depth of our offerings provides unmatched visibility, insight and solutions into all aspects of your monitoring and alarming needs.

### Mitigate:

- Proactively anticipate & analyze at-risk scenarios to steer you clear of failures
- Quickly identify unused and under-used power infrastructure to reduce your costs
- Avert bottlenecks with global visibility and metrics into worldwide operations











### Measure:

- Produce actionable dashboards and alerts to yield actionable insight
- Provide "What-If" simulations and resiliency analysis to further your business intelligence
- Track real-time data and feed real-time analytics into Big Data and 3rd party applications

### Maximize:

- Maximize your uptime, capacity and assets via simulated failures (so you can plan ahead)
- Maximize your agility to act with up-to-the-minute updates and alerts
- Maximize your reach with the most industry-leading pre-built integrations

## Nlyte Energy Optimizer (NEO) Use Cases

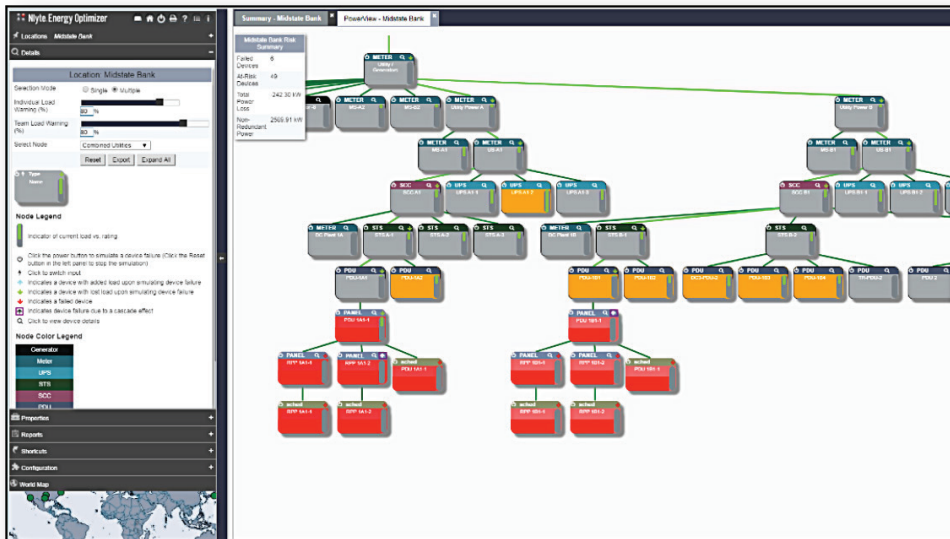
-  Power Failure Simulation and Prevention
-  Energy Capacity Planning
-  Energy Optimization & Cost Reduction
-  Improve Labor Savings
-  Branch Circuit Monitoring
-  Co-location Operations
-  Bi-Direction Integration with ITSM
-  Virtual PDU
-  Enhanced Busmains & Tapoffs
-  Alarm Workflow

## Benefits

- Simulate power failures to ensure redundancy and harden critical energy systems
- Gain greater insight and ability to manage energy needs today and tomorrow
- Improve control of energy and cooling resources to drive down costs
- Enable facility and IT personnel to collaborate more easily and do their jobs more quickly
- Reduce energy costs while tracking key metrics
- Enables co-location providers to gain visibility on tenants usage of resources
- Provide power and environmental information to ITSM systems for more accurate operations and costing
- Enable software to eliminate the need for expensive intelligent PDUs
- Provides a feature-rich view into current and historical power use
- Integrates alarms originating and tracked in Nlyte Energy Optimizer (NEO) into full workflow process-including full ITSM integration

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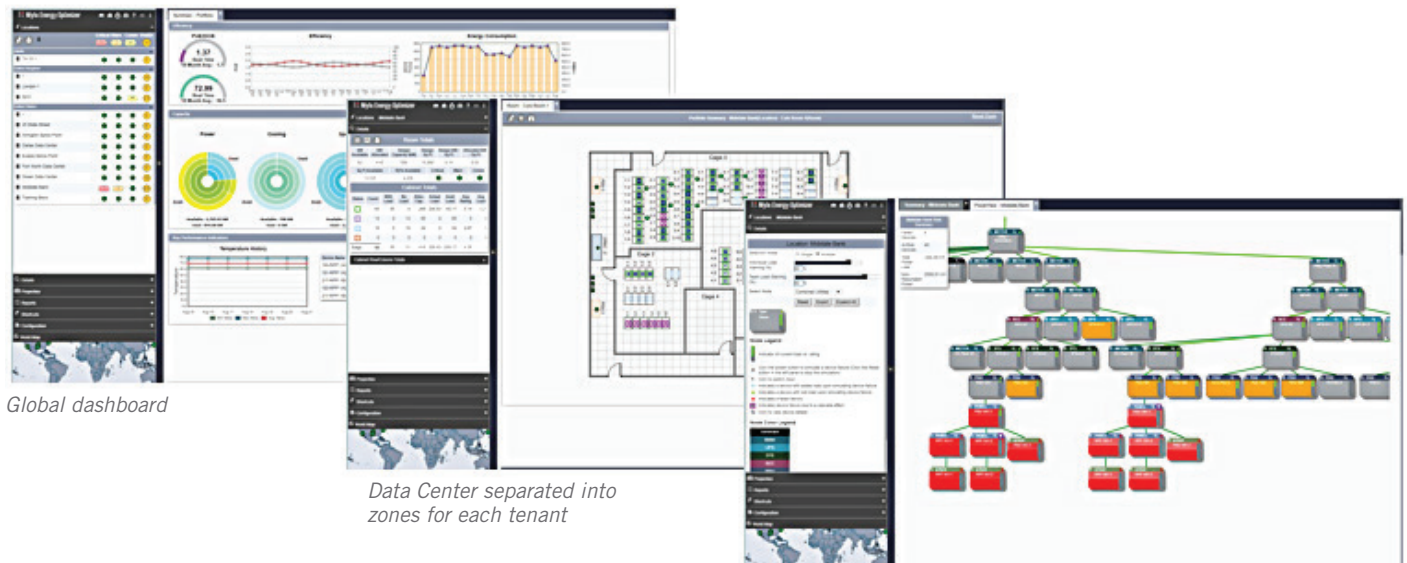
## Power Failure Simulation & Prevention



### KEY BENEFITS

- Analyze potential failure points
- Proactively prevent energy issues before they happen
- Ensure redundancy and increase uptime
- Identify unused power infrastructure

## Energy Capacity Planning



Global dashboard

Data Center separated into zones for each tenant

Detailed power system view

- View both real-time performance and trending over time
- Plan your future energy needs more accurately
- Reduces time required to perform energy capacity planning

# Nlyte Energy Optimizer (NEO)

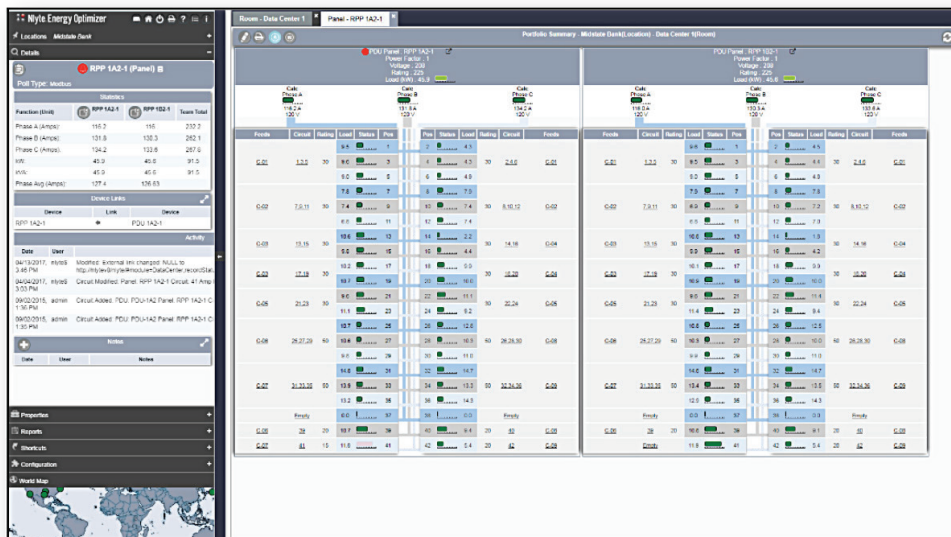
## Energy Optimization & Cost Reduction



### KEY BENEFITS

- Eliminating inefficient use of resources
- Confidently raise the temperature of data center ensuring no creation of hotspots
- Postpone or even eliminate new data center investments

## Branch Circuit Monitoring

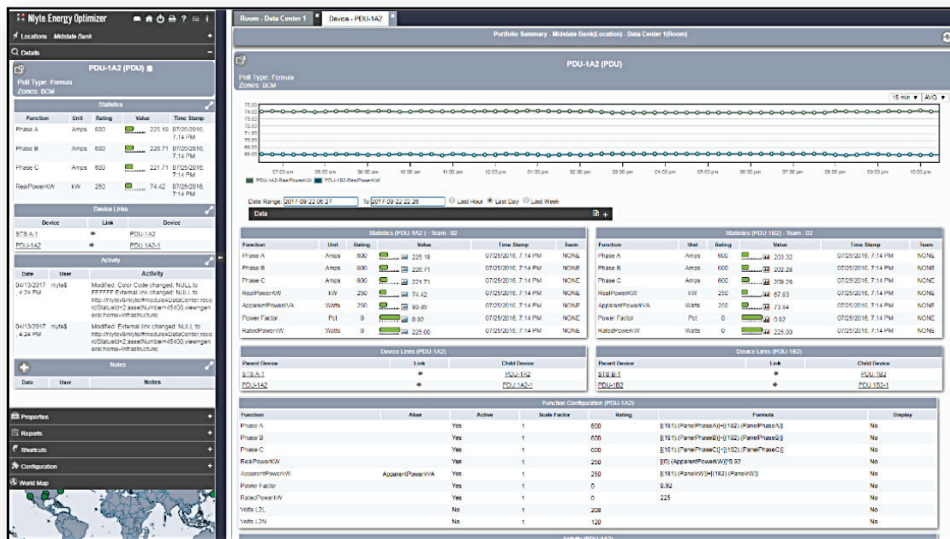


### KEY BENEFITS

- Improves energy efficiency and capacity planning
- Make it easy to calculate carbon emissions
- Eases phase and load balancing
- Provides building operators up to date panel schedules eliminating the guess work in the Data Center

# Nlyte Energy Optimizer (NEO)

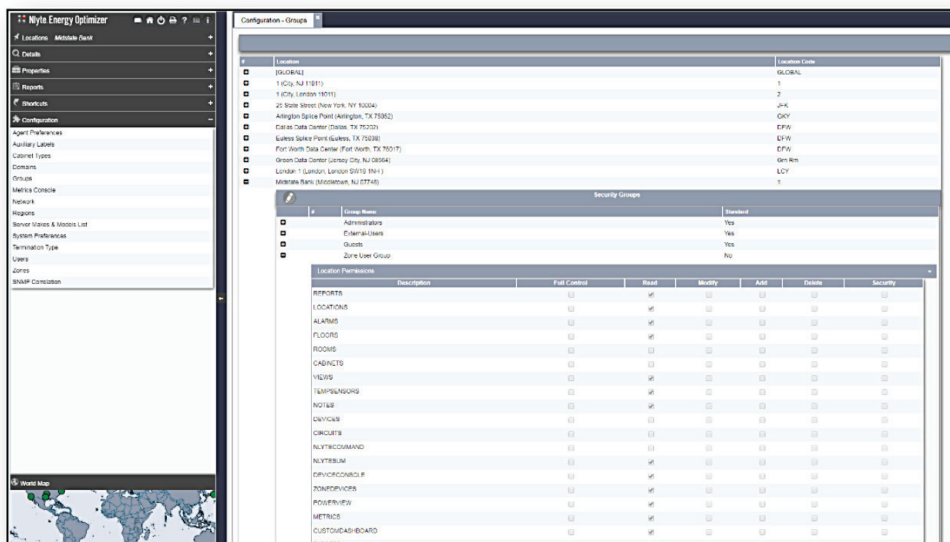
## Virtual PDU



## KEY BENEFITS

- Increase accuracy of changes occurring on the data center floor
- Measure true variable cost of assets and true cost of service
- Increase insight and value provided by ITSM solutions
- Better control of what's happening in the data center
- Increase agility in responding to the needs of the business

## Improved Labor Savings



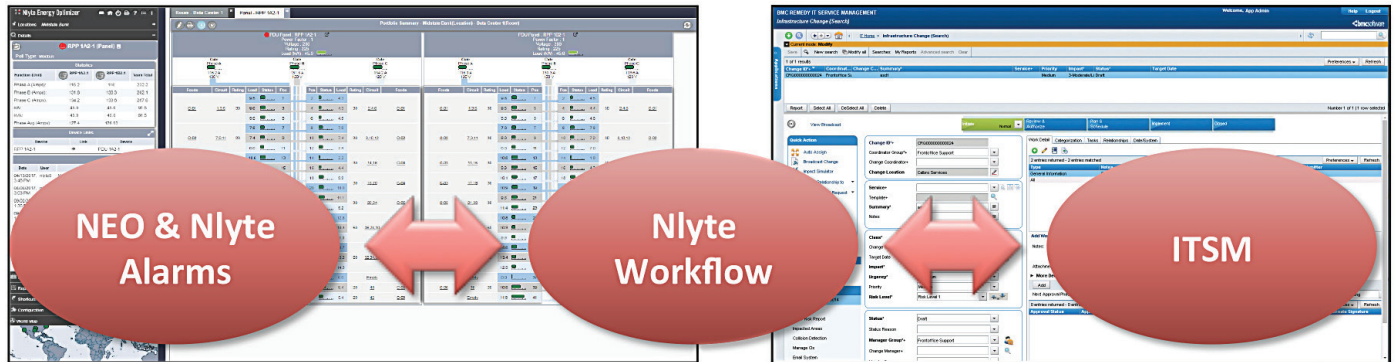
## KEY BENEFITS

- Saves time of both facilities and IT personnel
- Reduces personnel costs to maintain data center
- Improves insight



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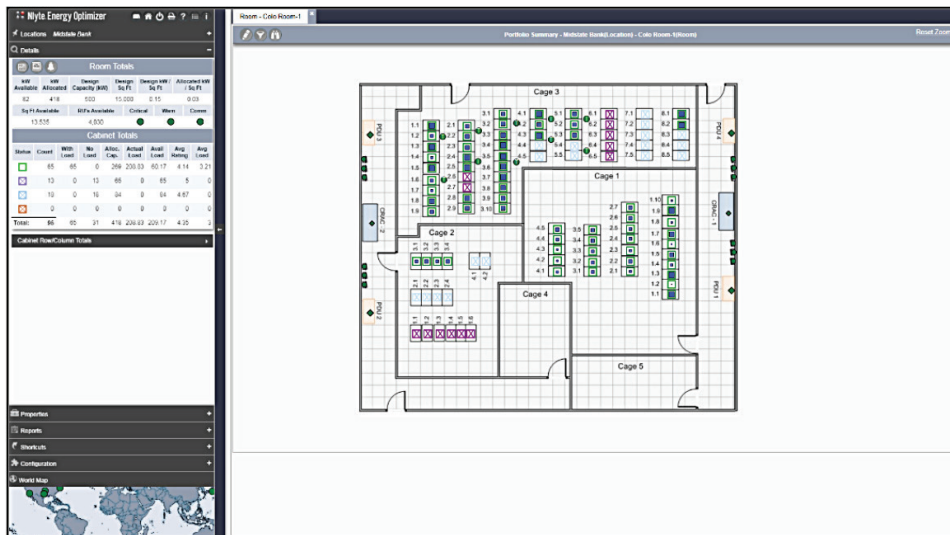
## Bi-direction integration with ITSM



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## Colocation Operations

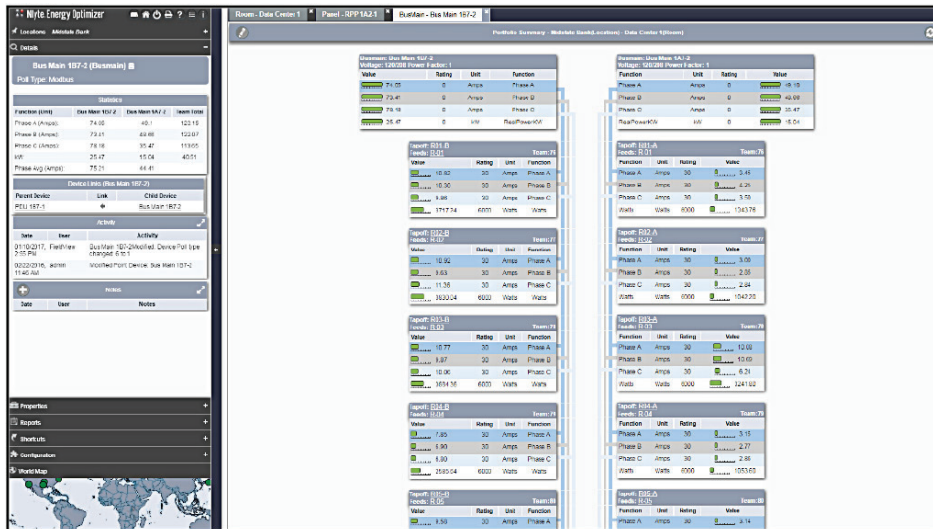


### KEY BENEFITS

- Identify more sellable space
- Reduce costs by optimizing temperature and balancing load
- Prove SLAs and generate alerts whenever nearing power or space limits
- Give tenants improved visibility on resources they are using and reporting that allows them to bill-back inside their organizations

# Nlyte Energy Optimizer (NEO)

## Enhanced Busmains & Tapoffs

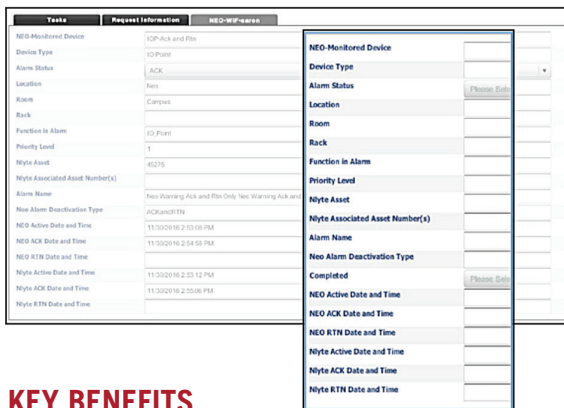


Busmain Details page

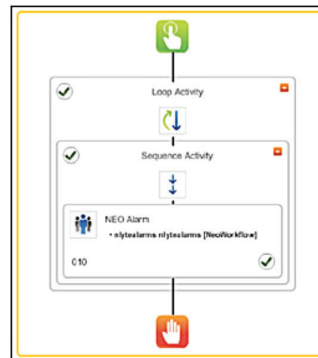
## KEY BENEFITS

- Provide a feature-rich view in to current and historical power use in this part of the power chain from the device feeding the busmain down to each connected tapoff and ultimately the cabinets, strips and assets
- Provide an easy method of tracking cabinets and devices fed by each tapoff
- Quickly view devices and assets potentially affected by power loss

## Alarm Workflow



This screenshot shows the 'Request Information' and 'NEO Workflow' configuration sections. The 'Request Information' section includes fields for 'Device Type', 'Alarm Status', 'Location', 'Room', 'Rack', 'Function in Alarm', 'Priority Level', 'Nlyte Asset', and 'Nlyte Associated Asset Number(s)'. The 'NEO Workflow' section includes fields for 'Alarm Name', 'New Alarm Deactivation Type', 'NEO Active Date and Time', 'NEO ACK Date and Time', 'NEO RTN Date and Time', 'Nlyte Active Date and Time', 'Nlyte ACK Date and Time', and 'Nlyte RTN Date and Time'. The interface is designed for configuring and managing alarm workflows.



**Two off-the-shelf Nlyte Workflow processes can be used as-is or enhanced to meet specific needs**

## KEY BENEFITS

- Integrate alarms originating and tracked in Nlyte Energy Optimizer (NEO) into a full workflow process- including full ITSM integration
- Offer a complete end-to-end alarm management solution
- Easily configured during the installation or upgrade process
- Alarm management and escalation can be quickly implemented in a new or existing
- Nlyte Workflow solution

## FOR MORE INFORMATION

- Contact Us: [info@nlyte.com](mailto:info@nlyte.com)
- Visit Us: [www.nlyte.com](http://www.nlyte.com)

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## About Nlyte

Founded in 2004, Nlyte Software is recognized as the industry leading data center infrastructure management (DCIM) solution provider. Nlyte's DCIM provides unmatched functionality that supports all data center processes across the entire "dock to decom" lifecycle. With a 98% customer retention rate, Nlyte's DCIM solution is used by many of the world's largest and most sophisticated data centers, as well as many small and medium sized organizations. Customers can quickly deploy the Nlyte DCIM solution and begin to immediately enjoy reduced costs and increased efficiency across all data center processes. For more information, visit [www.nlyte.com](http://www.nlyte.com) or follow @nlyte on Twitter.