Nlyte® Software

Nlyte Energy Optimizer

Large Colocation and Connectivity Provider

Nlyte Energy Optimizer Colocation Suite helps customer reduce energy consumption, sell more space and plan for expansions.

MEGAWATTS OF POWER: 20+
NUMBER OF POINTS MONITORED: 11,500
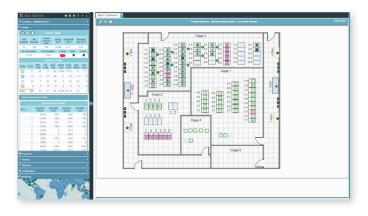**WHITE SPACE SQUARE FOOTAGE:** 86,000
NUMBER OF LOCATIONS: 5

THE BUSINESS SITUATION

The subject, a leading provider of interconnection and data center services, has facilities in several major metropolitan areas in the Northeast and Midwest. Hundreds of telecom, ISP and cloud services clients depend on them every day, 24 hours a day. Errors and failures are not options. There are sometimes conflicting demands to provide reliable, always-on service and plan for easier future expansions, while saving money on energy bills. This is while demand for space just keeps growing and energy costs continue to rise.

ENTER: NLYTE ENERGY OPTIMIZER

Nlyte Energy Optimizer, a part of the Nlyte suite of data center solutions, is a software solution that helps data centers of all kinds run at peak efficiency. This is accomplished by providing real-time information about all the critical systems in a data center -- both IT and Facilities systems -- in an easy-to-use format, to empower management to make great decisions based on facts, not guesses. Users are able to get the most out of the equipment and space they already have, reduce energy and cooling consumption and proactively plan for future expansion.

Nlyte Energy Optimizer has been answering the requests of Colocation customers since 2009 and the current version of the software represents the third release that includes enhancements to the Co-Lo Suite.

Colocation Room – Data Center separated into zones for each tenant.

Uniquely suited to the Co-Lo space because it's massively scalable, Nlyte Energy Optimizer is an industrial-grade solution which is currently monitoring a multi-tenant facility of 250,000 square feet and 50 MW. It is presently utilized by 15 of the largest Colocation operators in the world.

THE RESULTS

After careful review of many options, the customer selected the Nlyte solution to monitor their systems. Installation and implementation proceeded with zero downtime and no loss of data. The customer's personnel were trained quickly and were independently able to access the data they were looking for right away. Adds, moves and changes that used to take days and weeks, now take literally minutes.

The customer immediately realized other significant time and cost savings as well, while increasing revenue. Since it was no longer necessary for engineers to perform manual polling, these employees were quickly reassigned to more important, billable tasks.

> " *With Nlyte Energy Optimizer's help, my operations team can now handle - with a few clicks of a mouse - what used to require hours of resources.* "

As the customer gained real-time data on their facilities, stranded power and stranded physical capacity were revealed. More sellable space was discovered, allowing for an increase in revenue and allowing the customer to postpone a planned expansion. Evidence suggests the uncovering of 25% more usable, billable capacity after the implementation of Nlyte Energy Optimizer, across multiple Co-Los.

During an analysis of user experiences, an independent consultant said, "These organizations, as a result of their implementation of (the solution), can support more customers with the same fixed data center infrastructure and as a result generate more revenues with the same fixed investment."

Customers report power savings of 10-25% because the solution helps them identify opportunities for greater efficiency. For example, the Dynamic Heat Map gives the user a real-time view of temperature throughout the facility, making overcooling a thing of the past, saving energy expenses right away.

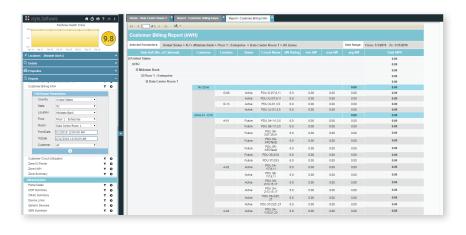The solution also makes load balancing for power efficiency quick and easy.

Nlyte's suite of features for Co-Los includes the ability to reserve space, which empowered the customer's sales force to see the capacity available at any time, therefore facilitating the execution of sales. The system also alerts the user when a tenant is nearing a power consumption/space limit, so upgrades to the tenant's contract can be considered.

Proof of SLA compliance is now as easy as pulling a report. Each Co-Lo tenant has individual access to information they need and demand regarding their space and energy usage, via a separate secure portal, without compromising the security of other tenants.

Nlyte also gives the provider the ability to separate zones, cages and suites by tenant, aiding in accurate billing.

Because the customer's tenants constantly demand more capacity, Nlyte Energy Optimizer helped them through several expansions when the time came, while monitoring and managing power load, energy consumption and cooling requirements, with no down-time. And, with every expansion, the solution scaled seamlessly into the customer's new space.

Nlyte Energy Optimizer's reports on power consumption and trending help in budget allocation and forecasting growth and expansion needs. "My team relies on Nlyte as part of our operations budget planning due to its detailed reports on long-term power consumption," said the customer.

Customer Billing Report – kWh. Provides kWh utilization over a selectable period of time per circuit.

FOR MORE INFORMATION
- Contact Us: **info@nlyte.com**
- Visit Us: **www.nlyte.com**

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** or follow **@nlyte** on Twitter.