## Nlyte Energy Optimizer

CASE STUDY

# Multi-National, Multi-Location Data Center Management

Nlyte Energy Optimizer's scalability for a large multi-national results in 20% energy savings the first year.
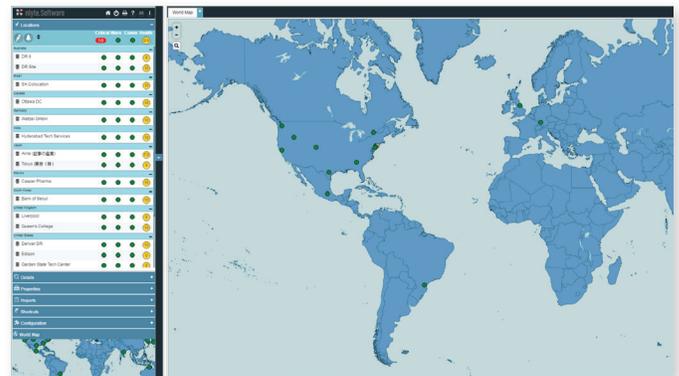
**MEGAWATTS OF POWER:** 25+
**NUMBER OF POINTS MONITORED:** 145,000+
**WHITE SPACE SQUARE FOOTAGE:** 135,000
**NUMBER OF LOCATIONS:** 7
**NUMBER OF COUNTRIES:** 3

### THE BUSINESS SITUATION

The customer, a large multi-national financial services institution, was building a new data center in the eastern United States. In their existing data centers all over the world, they had tried a variety of Data Center Infrastructure Management (DCIM) tools, but weren't totally satisfied with any of them for a number of reasons. Chief among these reasons was that none could handle the sheer volume of data that was generated in a typical data center. Because of this experience, the customer decided to test the Nlyte solution in their new environment. They knew that they needed a DCIM solution that would provide capacity planning, ease of use, custom alarming on critical systems (both IT and Facilities), outstanding security and especially scalability to accommodate their huge portfolio of global data centers.

### ENTER: NLYTE ENERGY OPTIMIZER

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



The World Map is easily modified to show only the user's desired locations to monitor.

The solution's massive scalability makes it the ideal solution for large data environments and customers who have installations in many countries. Globally, over 350 data centers are under the watch of the Nlyte Energy Optimizer solution, and some of those facilities are among the largest in the world; the software monitors over 2.5 Gigawatts worth of power on six continents. It also meets the strict security and reliability needs of a large international financial company, where breached defenses or downtime can mean billions of dollars lost.

### THE RESULTS

Implementation of the solution progressed along with construction and Nlyte personnel were always available for testing and validation. The full suite of DCIM tools helped the customer place and install their servers, PDUs, generators and CRAC units, in addition to the major points on the HVAC systems, to their best advantage, maximizing both space and energy utilization.

When the data center opened, Nlyte was already at work. Everything worked properly, and it was easy for both IT and Facilities staff to see and manage their respective responsibilities. The solution's custom alarming on critical IT and Facilities systems alerted the proper personnel so small problems could be attended to, to prevent major disasters.

> " *We've never had a start up go so well.* "

Financial institutions have extremely strict security protocols. Nlyte Energy Optimizer is a 100% secure system; there's no remote access required to log on the system, and the software resides on the customer's network, behind firewalls.

By benchmarking the energy usage after installing the solution against other data centers, the Vice President responsible for the implementation conservatively estimated a 20 percent energy savings in the new facility within the first year of operations.

As the data center grew to include two new additions, tripling the size of the site, Nlyte and the customer's staff were able to add the necessary points for the new equipment and seamlessly integrate it into the existing system.

The software was there to speed deployment of new assets. Adding new equipment that took weeks in their old facilities, now took literally minutes with Nlyte's real-time reporting.

The customer discovered that Nlyte Energy Optimizer delivered a wealth of information on one intuitive screen. Real-time power and capacity data, as well as historical reporting, gave management the ability and confidence to plan future expansions. Also, the clarity of Nlyte Energy Optimizer's reporting "completely eliminated" the disagreements about data interpretation which used to plague the IT and Facilities teams.

This multi-national firm was so impressed with the performance of Nlyte's solution, that it deployed the software in all its facilities across three continents. No other solution that management had evaluated had the scalability to handle this massive operation as well as plan for future expansion. Since Nlyte Energy Optimizer handles multiple locations within a network, these remote sites were added seamlessly and the system was able to produce metrics, analytics and alarms globally -- by country, by state and by location -- providing a standard view for the entire portfolio, for everyone the world over.

The Portfolio Dashboard delivers a comprehensive set of metrics for a convenient single pane of glass view into the efficiency, capacity and performance status of the entire infrastructure.

## FOR MORE INFORMATION
- Contact Us: **info@nlyte.com**
- Visit Us: **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** or follow **@nlyte** on Twitter.