Nlyte Energy Optimizer

CASE STUDY

Replacement of Obsolete Monitoring Software

Nlyte Energy Optimizer, a comprehensive solution, replaces outdated software to allow Mentor Graphics to easily and quickly monitor infrastructure in 18 countries.

MEGAWATTS OF POWER: 12
NUMBER OF POINTS MONITORED: 32,000
WHITE SPACE SQUARE FOOTAGE: 30,000
NUMBER OF LOCATIONS: 73

THE BUSINESS SITUATION

Mentor Graphics, an international software developer, used an outdated software/hardware system to monitor its infrastructure. They found the solution to be slow, cumbersome and "old fashioned." New integrations had to involve the vendor and the platform was severely limited as to what protocols with which it could communicate. The customer needed a central monitoring solution that would alert the right people immediately if a problem developed, at any time of the day or night, across four continents and many time zones. Downtime is a major issue for a software developer, possibly losing customers and millions of dollars in productivity.

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.

Uniquely suited to large environments and multi-site configurations because it's massively scalable, Nlyte Energy Optimizer is currently monitoring some of the largest data environments in the world. It is vendor and hardware neutral and speaks many protocols, so there are no integration issues with whatever equipment the client already has in place.

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.

THE RESULTS

Mentor Graphics asked for a proof of concept (POC), which was easily provided. The POC gave the client the ability to run the Nlyte Energy Optimizer software in parallel with their existing monitoring tool.

Stuart Walker, Worldwide Facilities Critical Infrastructure Manager for Mentor Graphics states *"The POC gave us the advantage of testing the system in a real-world environment,"* and added that *"having a pilot system we could actually use live, was crucial."*

Nlyte Energy Optimizer's ease of configuration and flexibility in importing data made the initial installation quick and painless. The solution's intuitive design and user-friendly interface allowed the customer to function independently right away and achieve add-ons, moves, deletes and integrations easily. Mr. Walker said his staff was *"able to make new integrations quickly, without having to rely on the vendor every time we wanted to make changes."*

One of the main complaints about the old system was that it was supported by only one particular operating system platform. Nlyte Energy Optimizer has the ability to run on different computer operating platforms and approved web browsers, as well as offers the flexibility to easily integrate with multiple methods of monitoring protocols, including SNMP, ModBus, OPC, SOAP, BacNet and XML.

Mentor Graphics needed to monitor power and environmental conditions at all their global facilities on a real-time basis, with live alerts. The Nlyte solution monitors, via one dashboard, all Mentor Graphics' large data centers, smaller data communication rooms and field offices spread across 18 countries, on four continents. Not only does Nlyte deliver real-time information on power, temperature, humidity, smoke detection, water leaks and other key environmental factors, for devices in which the customer does not have direct control, the solution issues alerts when problems arise and provides a direct link to the device to allow the customer full control.
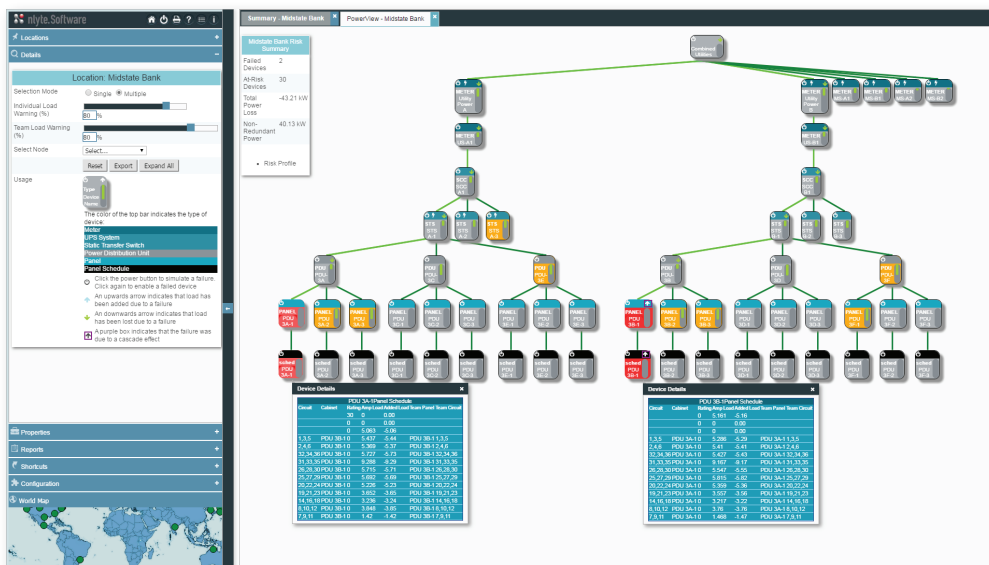
> *"What sets Nlyte Energy Optimizer apart is the ability to give us complete visibility of everything else around their tool and control where we didn't have it before."*
>
> **Stuart Walker**

Since implementing Nlyte Energy Optimizer, Mentor Graphics has been able to expand the number and types of devices and systems that can be monitored since the solution allows devices to be added and connected easily. Also, Nlyte's flexibility and scalability allows for a more expedient response to alerts and change configurations. Mentor Graphics is able to monitor systems on PCs, Macs and Linux machines from anywhere in the world.

> *"Our goal was to monitor critical infrastructure around the world. The value of Nlyte's monitoring solution is knowing that when there is any kind of power or environmental issue at any of our global facilities, the right people will be alerted immediately."*
>
> **Stuart Walker**

PowerView – Nlyte's dynamic power chain analysis tool which enables the user to simulate power chain failures.

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.