



Edge Infrastructure Management

Key Customer Quotes

- *"In the past, what we were doing was a very manual process [of capacity planning] and we were looking at the nameplate of each power supply and taking some arbitrary number, say 60% of that... What we've found using this tool and actually getting the real-time numbers... is that we've got some devices that, instead of this 60% we were using, might only be using 38%... and we are able to put a whole lot more devices out there in the space. Utilizing that stranded power is pretty massive when you're already paying for it. For us, this is a really huge benefit of using the tool."*



Michael Piers,
Senior Manager
DCIM/Tools

- *"In one data center in particular, over the course of the day our power demand from low-usage periods to high-usage periods could swing by as much as 200 kW over the course of the day. Being able to see this swing and use this information both to prevent potential problems like tripping breakers as well as identify areas where we've overbudgeted power so we can start to backfill where applicable is very valuable information and we look forward to pushing this out to more locations."*



Michael Garito,
Sr. Data Center
Program Mgr.

Remotely Monitor and Manage 1,000s of Edge Sites with Ease

According to Gartner, more than 75% of all enterprise-generated data will be created and processed outside of the traditional data center or cloud by 2025. Instead of traditional core data center transactions, much of this data will be handled by edge data centers.

However, edge infrastructure managers struggle to manage all of their edge sites due to a lack of onsite personnel and no visibility into what's happening. Common challenges include efficient utilization of edge capacity, accurate work orders to remote technicians to complete changes, monitoring health and tracking assets and connections across all locations, and physically securing racks and equipment.

With the proliferation of edge sites, infrastructure managers need a solution to simplify edge infrastructure management while improving uptime, efficiency, and productivity. Sunbird Software's second-generation Data Center Infrastructure Management (DCIM) solution provides the complete suite of capabilities that you need to remotely monitor and manage all your edge sites.

Accurately Track All Equipment and Connections at the Edge

- Say Goodbye to Excel® and Visio® – Maintain an accurate inventory of all equipment across all sites with real-time views of cabinet elevations, all infrastructure and IT assets, and their associated power and data cabling.
- Visualize and Understand Physical Connections – Visual circuit trace diagrams enable you to avoid overloaded circuits and quickly troubleshoot connections to reduce downtime.
- Inventory and Monitor High-Value Parts and Spares – Track hard drives, cards, memory modules, power supplies, patch cables, and any other component, even boxes of screws. Set thresholds on parts to be notified when you're running low and need to resupply.

Monitor and Alert on Power and Environment

- See the Health of All Sites at a Glance – In a single pane of glass, understand the real-time power and environmental health and events for all edge sites with the ability to drill down for granular, cabinet-level metrics.
- Know Before There is a Problem – Automated emails enable the quick identification of over-power conditions, breaker state change, hot spots, three-phase balance issues, and more.
- Informed Power Capacity Planning – Monitor power loads to understand the overall trend of your power consumption and to know the exact load you need to budget for each server you deploy.

Physically Secure All Edge Sites and Assets

- Centralized Rack Security Management – Reporting, audit logs, and video surveillance feeds allow you to monitor who has access to different cabinets, how often these cabinets are accessed, and if attempts are successful or not.
- Electronic Cabinet Door Access Control – Remotely control electronic door locks to mitigate risks, ensure security, and comply with regulations.

Enable Visibility and Transparency with Dashboards and Reports

- Zero-Configuration Analytics – Easily analyze KPIs and gain actionable insights from 100+ charts and reports that address the most common edge infrastructure reporting use cases.
- Data-Driven Collaboration – Create, edit, and share your personalized dashboards to drive transparency and sharing across functional teams. Reports can be automatically generated and emailed on a recurring basis.



Edge Infrastructure Management

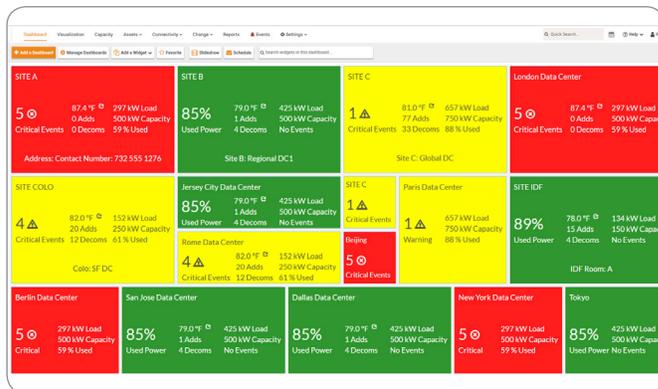
3D Visualization of Cabinets & Contents

Remotely visualize cabinet and row elevations as if you are standing in front of them. Easily see cabinet contents including name, make, model, and status. Monitor configurable thresholds for space, power, and cooling with the ability to see near real-time readings for power, temperature, and humidity.



Enterprise Health Dashboard

Get a centralized view of the health and capacity of your global footprint with the ability to click to drill down to obtain details at the floor, room, pod, row, cabinet, and device levels. Set thresholds and receive alerts for critical and warning level events from all of your edge sites.



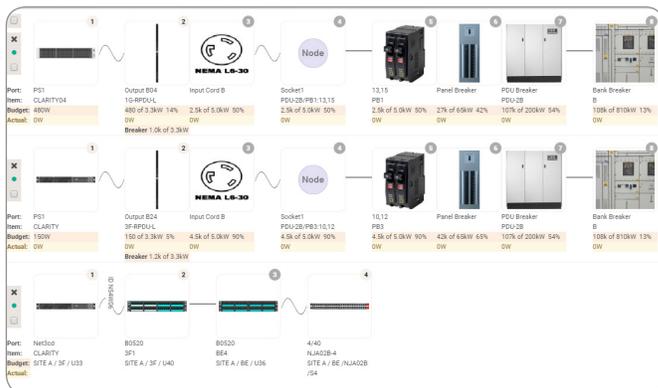
Capacity Management Dashboard

See and understand real-time resource utilization for better power, space, cooling, and power/network port capacity planning. Quickly see how much capacity you're using and, more importantly, how much capacity is available.



Port-to-Port Power/Network Visualization

Visualize AC/DC power at every connection point in the power chain from the UPS to the device power supply with (N) or (N+1) redundancy. Achieve a balanced load across all three phases using derated values and actual readings so you'll never trip a breaker.



Call 732.993.4476 or visit SunbirdDCIM.com

Sunbird Software is changing the way data centers are being managed. With a focus on real user scenarios for real customer problems, we help data center operators manage tasks and processes faster and more efficiently than ever before, while saving costs and improving availability. We strive to eliminate the complexity they have been forced to accept from point tools and home grown applications, removing the dependency on emails and spreadsheets to transform the delivery of data center services. Sunbird delivers on this commitment with unexpected simplicity through products that are easy to find, buy, deploy, use, and maintain. Our solutions are rooted in our deep connections with our customers who share best practices and participate in our user groups and product development process.

Based in Piscataway, NJ, Sunbird serves over 1,850 DCIM customers worldwide. For more information, please visit SunbirdDCIM.com.

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