



End-to-End AC/DC Power Circuit Management

Key Customer Quotes

- *"From an ROI perspective, it's massive for us. We're getting 40% more usage out of our facilities and power sources."*



Michael Piers,
Senior Manager
DCIM/Tools

- *"I can make sure I have redundant power. It shows me I have connectivity to each rack PDU and the rack PDUs are going to an A and a B on the floor PDUs so I know I have that full layer of power redundancy... Visualization is a great tool if you're in a meeting and you want to outlay how things are going to connect and everyone understands where they are going within the data center. That's been a huge help for us going forward."*



Tom Wysocki,
Data Center
Manager

- *"The possibilities with these tools are almost limitless. I haven't discovered anything we would want that it doesn't have. We can build custom dashboards, see rooms in 3D, get rack overviews, see power connections, data connections, and more. This means that everyone can get the insight they need without being in the facility. Without Sunbird, we wouldn't be close to as fast, as precise, or have so few errors."*



Lars Lorscheider,
System
Administrator

Easily Manage Your AC/DC Power Circuits with Sunbird DCIM

Sunbird is the world leader in second-generation Data Center Infrastructure Management (DCIM) software. Our power circuit management capabilities include the ability to fully build out your power path to track capacities and utilization at every connection point. We enable rich 3D visualization for easy tracing of problems and provide useful reporting capabilities such as "What is connected to any object in the power circuit?" so that you can understand redundancies, get more out of your power resources, and quickly respond to issues.

Maintain Uptime, Redundancy, and Three-Phase Load Balance

- **Be the First to Know of Potential Issues** — Set thresholds on rack, inlet, and circuit breaker loads, three-phase balance, and circuit breaker state change to be automatically alerted via email of potential issues.
- **Understand How Everything is Connected** — Improve your ability to respond to incidents with full power circuit documentation. Search by cable ID and see the full connection path with one click.
- **Redundancy Made Easy** — Automatic load validation at every breaker point in your power circuit on every add, move, or change ensures you stay within your redundancy levels.

Increase Efficiency of Power Capacity Utilization

- **Find Stranded Power Capacity** — The Auto Power Budget feature automatically calculates power budget profiles for each device instance (e.g., make/model of a server) based upon the trended actual power utilization of your compute devices in your environment. This eliminates the need for conservative power consumption estimates that cause stranded power capacity. Customers such as eBay deploy projects with one-third less cabinets because they've eliminated stranded power capacity.
- **Power Capacity Information at Your Fingertips** — Dashboard charts make it easy to quickly understand your power capacity and utilization with gauges, trend lines, and bar charts. All charts provide easy drilldown for further filtering and sorting of the underlying data.

Improve the Productivity of People

- **Simplify Validation, Troubleshooting, and Maintenance** — Visualize connections, power usage, and capacity from the servers all the way up the power path. Get details for each hop such as item class, make, model, connector, phase, volts, max amps, and rated amps.
- **Say Goodbye to Manually Tracing Cables** — Tabular and visual circuit trace diagrams provide a holistic view of circuit connections with hyperlinks to the device and connection attributes.
- **Measure Cable Lengths Automatically** — Get accurate cable whip lengths by measuring distances on your floor map, saving you money on wasted copper cabling and reducing visits to the data center.
- **Remotely Control Power** — Sunbird maps servers to rack PDU outlets so you can control them from anywhere, eliminating site visits, improving MTTR, and saving time and money.

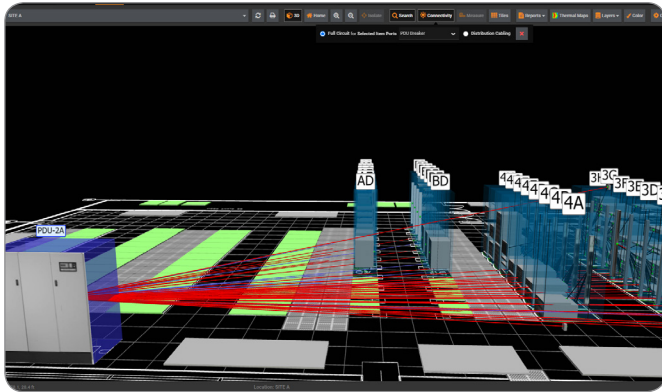
Full Support for AC or DC Power Circuits

- **See, Know, and Remotely Manage Everything** — Supported AC objects include server power supplies, rack PDUs, RPPs, floor PDUs, UPSs, branch circuits, busways, meters, panelboards, transformers, switchboards, switchgears, generators and fuel tanks, and utility feeds. Supported DC objects include fuse alarm panels, battery distribution bays, battery distribution circuit breakers, battery fuse bays, power plant, rectifiers, and compute devices such as servers, blade chassis, and telecom gear.
- **Remotely Visualize Your Power Circuits** — See your entire AC or DC power path from the main power source to the compute device with redundancy validation of budget and actual measured power. Leverage automatic single-line diagrams to see all your facility items and connections in a single pane of glass.
- **Automatically Calculate Battery Runtime** — Runtime calculations are based on detailed battery specifications and the present plant load. You can further simulate the future expected load and model the effect on battery runtime.

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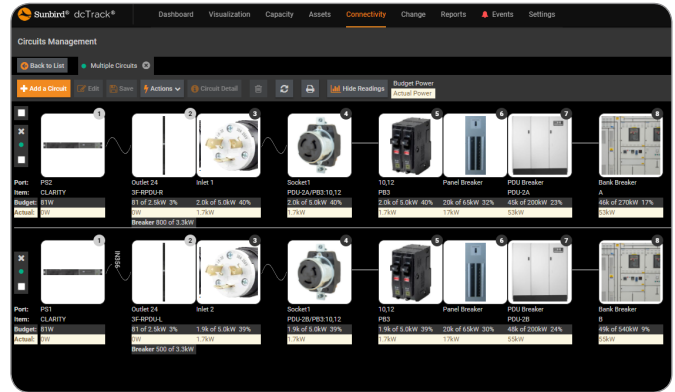
Visualize Power Cabling in 3D

View your power circuits end to end on your 3D floor map. Manage real-world cable infrastructure and labeling scenarios, with support for various design architectures and all known cable types, connectors, and topologies. Easily see redundant power paths with cable colors that match your actual deployment.



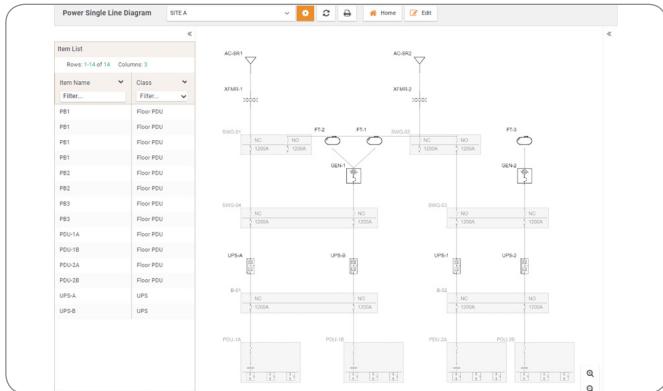
Visualize AC/DC Power Circuits

See every connection point in your power circuits with automatic tracking to ensure redundancy. Manage with both budgeted values and actual measured loads at every point in the breaker path to easily understand the load and capacity at each point.



Automatic Single-Line Diagram

Automatically generated, dynamic, and interactive single-line diagrams provide a single pane of glass that make it easy to track the electrical characteristics and interconnections of all the facility items in your AC or DC power chain to simplify capacity and redundancy management.



Visualize Busways and Tap Boxes in 3D

See your busways, meter locations, racks, and IT equipment on your data center floor map in 3D. At a glance, know the make, model, status, and connections of your busway infrastructure. Track the full details of your busways and tap boxes including live measured readings to get the most out of your busway power capacity.



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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