

**Brightlayer** software and services

# Fully-integrated, scalable solutions for data centers of all sizes



*Powering Business Worldwide*



A woman with long brown hair, wearing a grey sweater and dark jeans, stands in a server room. She is holding a tablet and looking at it. The background shows rows of server racks with various cables and equipment. The image has a blue overlay.

# Take your data center and distributed IT operations to the next level

As our world becomes increasingly reliant on digital technologies and artificial intelligence (AI), data centers face mounting pressure to maintain uptime, reduce energy waste and protect operations from risks. Proactively identifying and fixing potential issues before they wreak havoc is paramount. But how do you do that when you're lacking the data and information you need? And what about everything else you need to do, like extending asset lifecycle and planning for future capacity?

To navigate these challenges, you need a highly intelligent, unified solution that helps you manage power infrastructure with greater control, efficiency and sustainability.



# A single source of truth for data center performance

Instead of working across multiple systems or inventory spreadsheets, Brightlayer software products deliver a clear, real-time view of your data center assets. You will know exactly what's working, what's at risk and what steps to take next.

With intuitive dashboards, prioritized alerts, digital twin modelling tools and so much more, Brightlayer software provides everything you need to take control of your operations today while preparing you for what's ahead.



## See assets in real time

Continuously monitor all your IT and OT assets, regardless of vendor or location, to avoid downtime, equipment failures and costly maintenance.



## Understand critical risks

Set up customized alarms that reflect operational priorities and receive prompt notifications letting you know where to focus your attention.



## Ensure business continuity

Automate IT equipment at the device level, mitigate disaster, reduce downtime, and identify the root-cause of unexpected issues.



### Efficiency

Save time and resources with improved visibility and troubleshooting across one or multiple facilities.



### Resiliency

Boost uptime and profitability with the ability to detect, predict and prevent failures.



### Sustainability

Reduce energy consumption and adhere to regulations with advanced reporting and analytics.



### Safety & security

Protect people and assets with monitoring and insights needed to maintain your equipment.

# Brightlayer software and services



For customers of Eaton single- and three-phase UPSs, the suite also includes an around-the-clock remote monitoring service that aggregates data from your connected UPSs and dispatches an Eaton field technician when a critical event occurs. The service applies analytics to predict component failure and prevent unplanned downtime, and can be connected to other Brightlayer software applications to provide a complete monitoring and hybrid remote service response.



# Brightlayer DCIM software

## Monitor and manage valuable power, space and cooling assets

Operating a data center requires more than knowing where your equipment is located. You need real-time, actionable data and insights that help you optimize performance, mitigate downtime and drive key business goals forward.



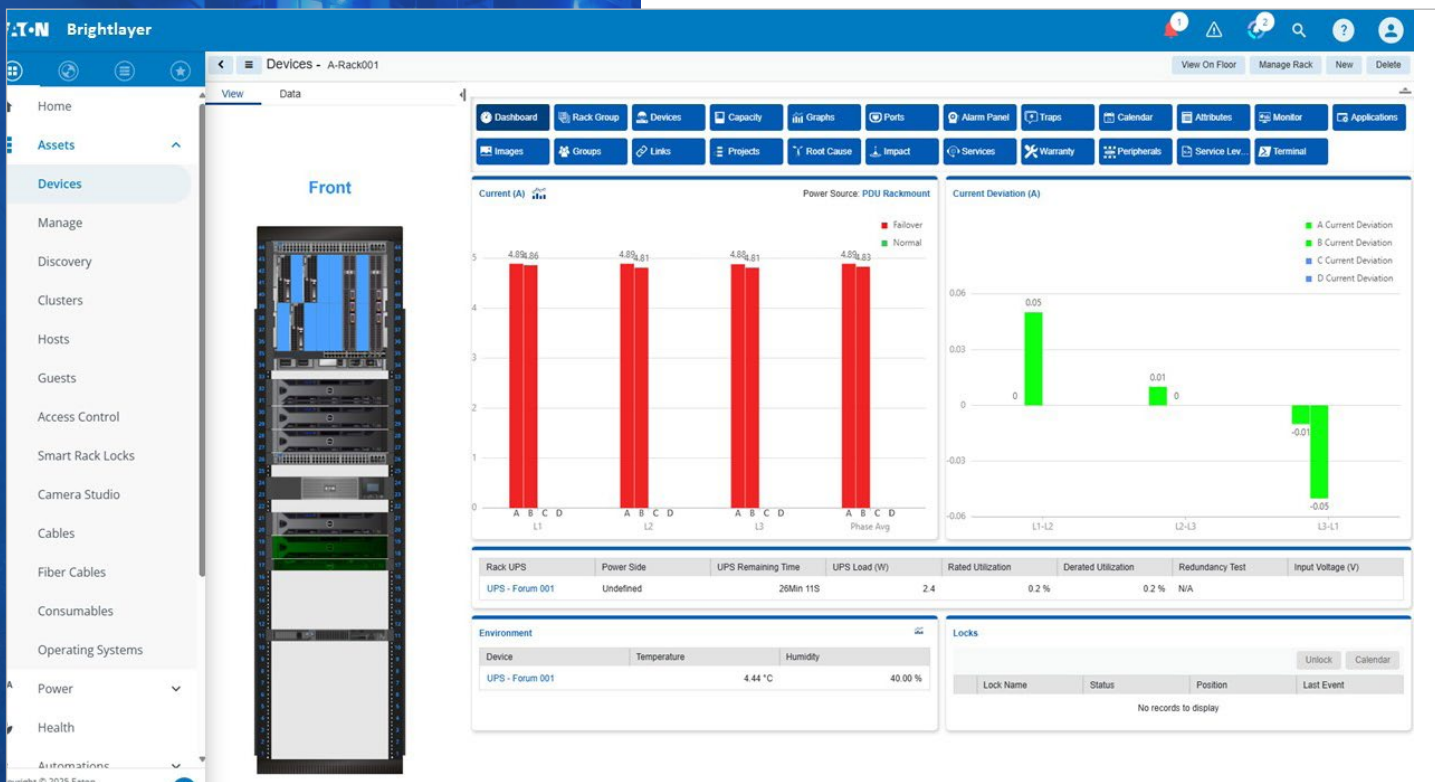
With Brightlayer Data Center Infrastructure Management (DCIM) software, you can gain efficiencies, make sense of your data and create a unified, configurable solution with the capabilities you need.

### Improve operational efficiency

**Manage your end-to-end power chain** and view your assets in real time across one or more facilities to minimize costs and stranded capacity.

**Centrally track warranty and service history** for IT and OT assets, and maintain compliance with your lithium battery warranty, regardless of the vendor.

**Receive automated, customized alerts** via text message, email reports and/or system notifications when issues arise. You decide when and how you're notified and if an alert should be escalated via a notification chain.



Leverage 3D visualization tools to monitor and manage power, space and cooling resources in real time.

## Enhance decision making



**Visualize your environment**—from a campus or facility to a room, rack or device—with user-defined 2D and 3D visualizations for temperature and humidity, electrical utilization, critical power chain and more so you can make informed decisions.

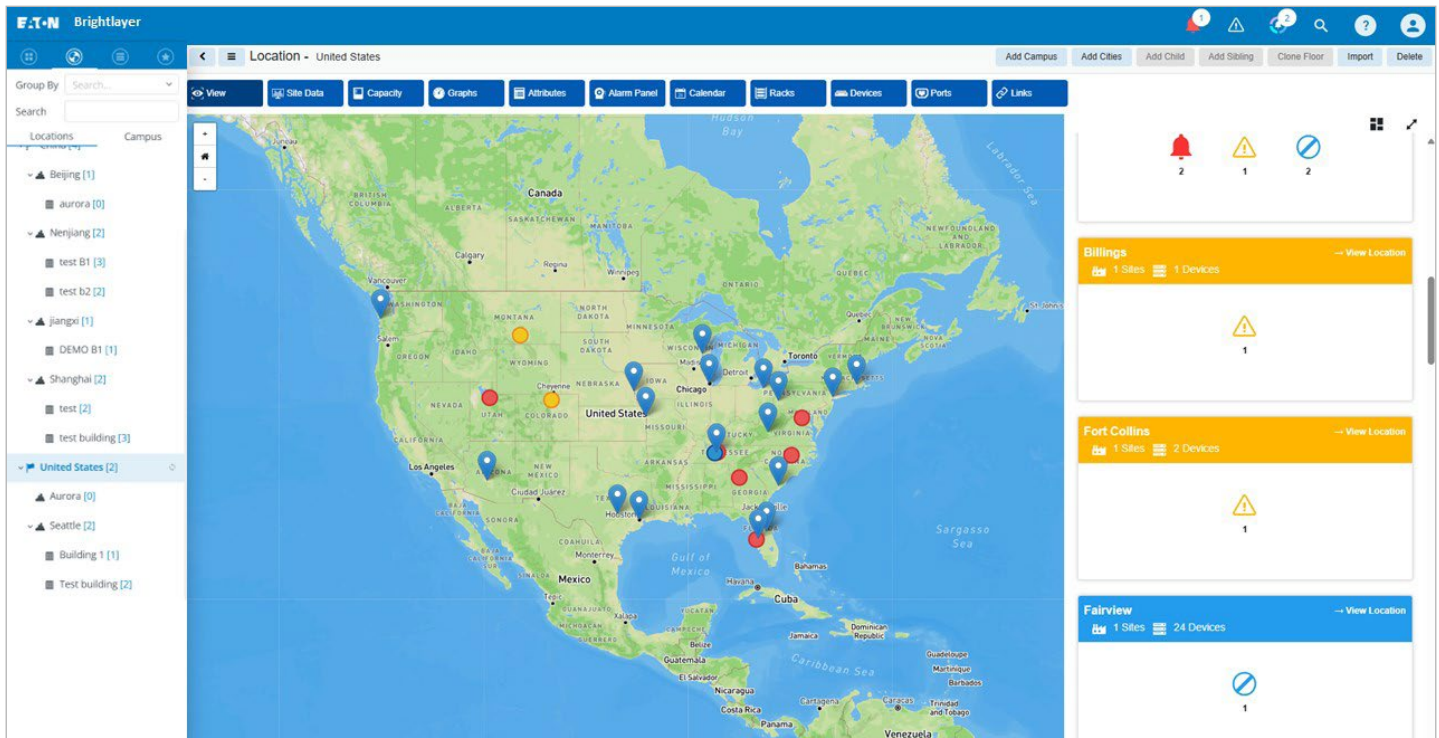


**Access more than 90 standard reports** with an optional business intelligence dashboard that provides user-defined report tools and a flexible visualization of alarms, asset capacity, efficiency, metrics, service and systems for near real-time visibility into key performance indicators, such as power usage effectiveness (PUE) and capacity utilization.

## Create a unified solution



**Integrate with VMware and other software you're already using**, such as building management system (BMS), configuration management database (CMDB) and IT service management (ITSM) applications, to improve efficiency, increase productivity and data accuracy, and reduce costs.



Access macro and micro views of what's happening across facilities.

Learn more at  
[Eaton.com/DCIM](https://Eaton.com/DCIM)

# Brightlayer DIT software

## Know what's happening across edge sites

If your team oversees distributed IT equipment like PDUs and UPSs across multiple locations—from retail stores to healthcare, educational and governmental facilities—you know how time consuming that responsibility can be.

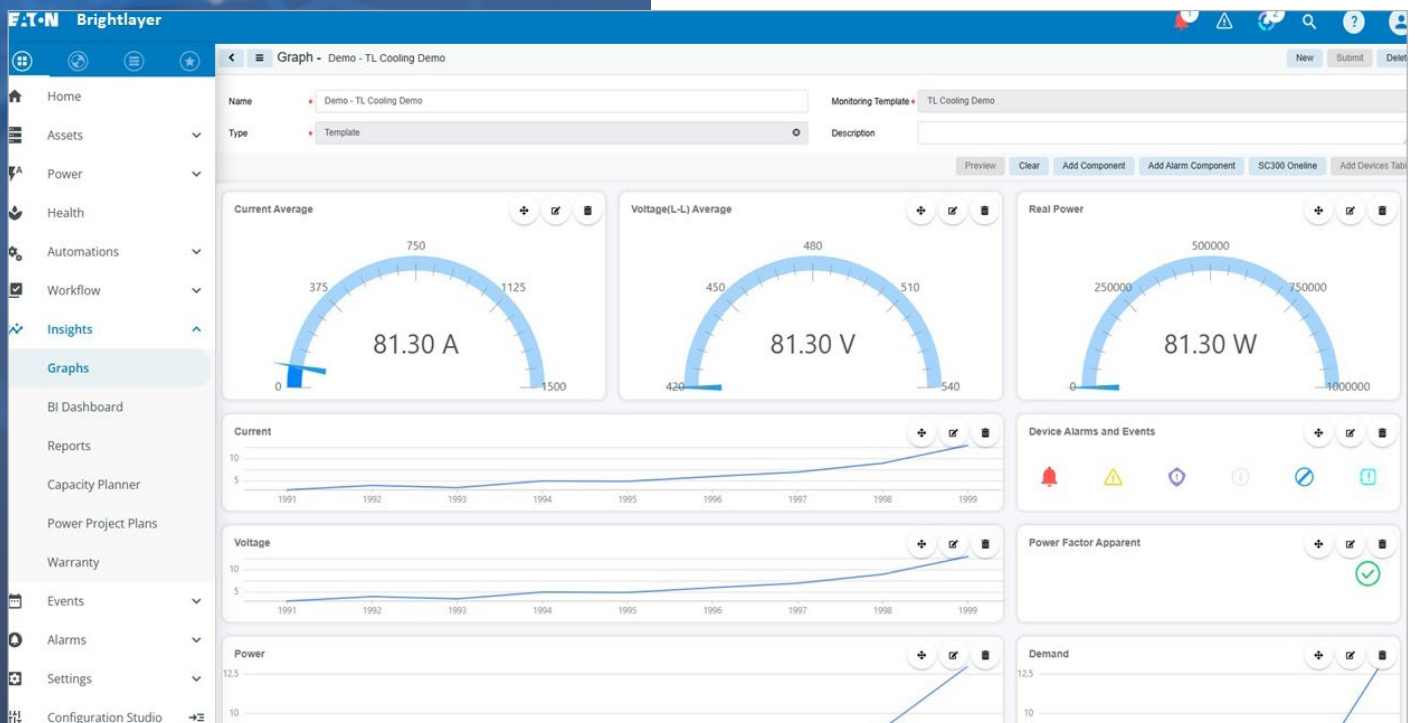
When essential equipment unexpectedly goes down, you must fix the problem quickly to minimize the impact to your organization's bottom line. That's hard to do—especially if you don't have skilled, on-site IT resources.



Our Brightlayer Distributed IT (DIT) software allows you to remotely manage and control network-connected assets, regardless of the vendor or their location. It provides full visibility into your equipment, enables remote troubleshooting and issue resolution, and supports bulk firmware and configuration updates.

## Manage and optimize performance

View real-time reports, trend charts and dashboards, and receive real-time alerts that are prioritized by severity and escalated when needed.



Access real-time information on how your system is performing by location.



### Resolve issues and avoid disaster

**Remotely control PDU outlets and UPS load segments**—regardless of the vendor—and diagnose equipment issues.



**Automate device response and/or shutdown** during critical power events or environmental stress conditions, such as high temperature, to protect equipment.

### Fine-tune your operation



**Update and configure Eaton rackmount PDU and rackmount UPS network cards** in minutes to improve cybersecurity and eliminate the need for in-person updates.



**Trend charts, dashboards and visualizations** to understand power utilization, alarm frequency, power connections and more.

## Brightlayer DIT-Lite

### Monitoring software for businesses with less than 50 devices

If you don't require the full set of capabilities delivered by Brightlayer DIT software, we have another solution. Our Brightlayer DIT-Lite software product allows you to manage and monitor equipment and mitigate power events before outages occur.



Monitor, manage and update Eaton rack UPSs and PDUs (up to 50).



Set up basic alarms, notifications and escalations.



Access user-defined dashboards, trend charts and reports.

Learn more at  
[Eaton.com/DIT](https://Eaton.com/DIT)



# Brightlayer EPMS software

## Improve resiliency with expert-level analysis tools

As the demand for data increases at the same time data centers are moving toward renewable energy sources and other sustainability measures, it's important to have comprehensive, real-time insight into your overall power consumption. You also need the ability to resolve issues the moment trouble strikes.



With our Brightlayer Electrical Power Monitoring System (EPMS) software, you can maximize data center uptime, quickly identify and resolve the root-cause of unexpected issues, and understand your facility's use of water, air, gas, electricity and steam (WAGES). The software also enables you to monitor, analyze and manage your battery systems to avoid UPS system failures.

### Troubleshoot issues and reduce risk

Identify and resolve issues and prevent reoccurrence through comprehensive power quality and waveform analysis, high-resolution datasets and custom one-line diagrams.

Send push notifications to other software management systems to further streamline management.



Waveform analysis allows you to identify, trace and analyze power quality events to quickly resolve and prevent occurrences.

## Understand and report on resource consumption



Get clarity and insight into where and when energy is flowing through your facility to help make decisions, adjust usage patterns, and lower utility costs.



View stored, normalized data for review and analysis and accurate change management forecasting.



Access the metrics you need to comply with global standards like ISO/IEC 30314, along with customized reporting required for your organizational, regional or local compliance requirements.

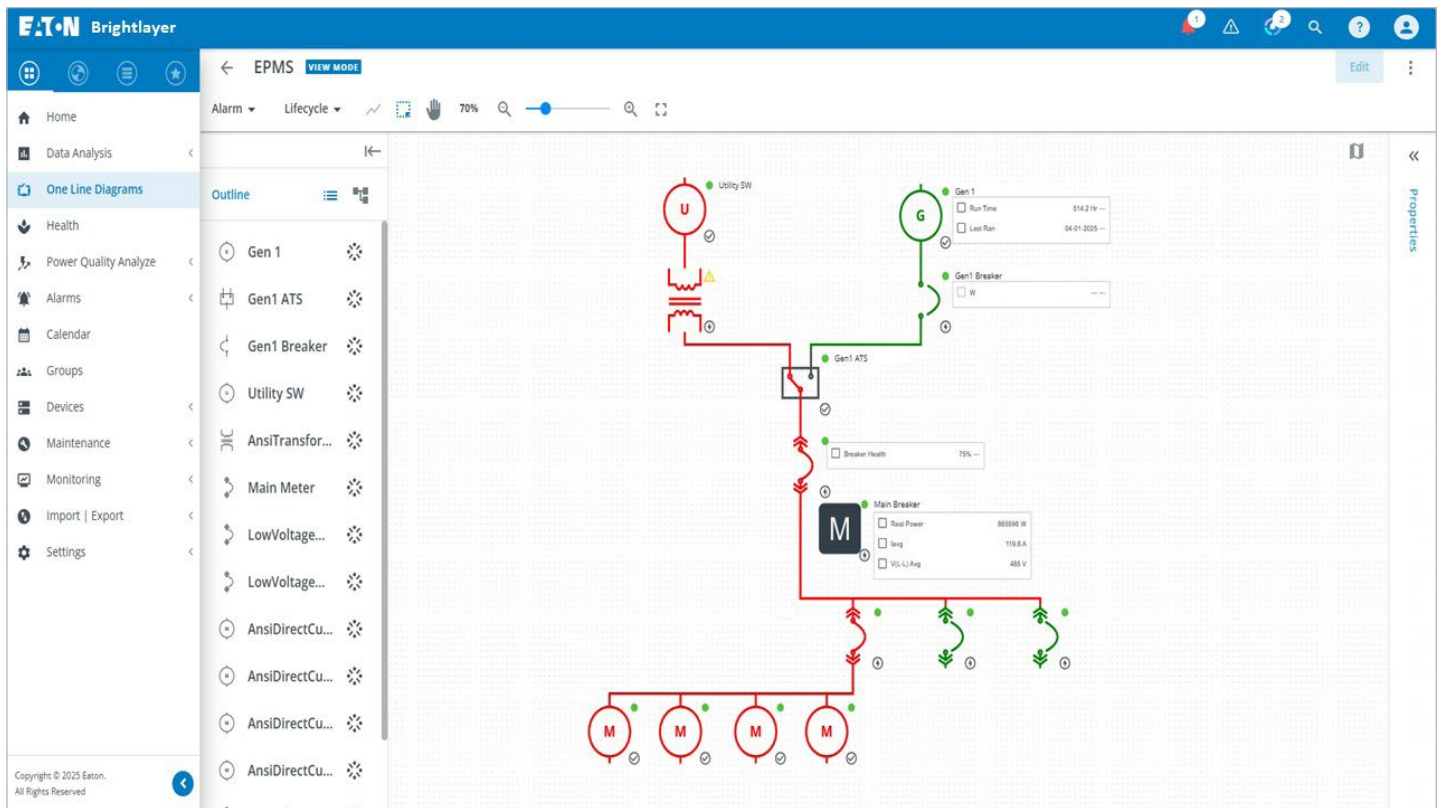
## Maintain battery system warranty compliance



Centrally track and manage the lifecycle of your battery systems, including warranty information and service contracts.



Proactively address looming issues before they wreak havoc with 3D temperature visualizations, trended views for voltage and temperature, a battery health dashboard and battery discharge reports.



One-line diagrams provide a simple view of your facility's electrical distribution infrastructure.

Learn more at  
[Eaton.com/EPMS](https://Eaton.com/EPMS)



# Better together

## Create a single, unified platform for complete IT and OT visibility

If your data center operations grow or needs shift, you don't need to look for an alternative solution. Brightlayer software products are built on a modular and flexible platform, giving you an easy upgrade path.

You can combine any of our data center software products or purchase add-on features by simply applying an updated license key. There's no need to migrate data or integrate new software applications. Best of all, you save yourself the time and headache of learning an entirely new system.

### Brightlayer DIT software

Provides deep intelligence into network-connected assets such as PDUs and UPSs located across multiple edge sites—regardless of vendor. This enables you to manage and control the assets installed at your remote locations, and proactively identify and automate actions to prevent IT equipment from going down.

### Brightlayer DCIM software

Enables you to maximize IT application uptime while minimizing capital and operating expenditures. It monitors, trends, alerts, reports and manages your power, space, connectivity and cooling resources across one or more facilities. It also provides the insights you need to optimize your operations over time, so you can increase your data center's performance while managing costs.

### Brightlayer EPMS software

Delivers real-time and historical visibility into an electrical power system at a single data center or multiple facility locations. This helps you maximize equipment uptime, quickly resolve and identify the root-cause of unexpected issues, and understand your facility's use of WAGES to reduce operating costs and meet sustainability goals.



# Remote monitoring service

## 24/7 support for your power infrastructure

What if you could predict future outages days or even weeks ahead of time? Our cloud-based remote monitoring service, also known as PredictPulse, collects data from compatible Eaton single- and 3-phase UPSs, and applies analytics to predict component failure and prevent unplanned downtime.



The service aggregates data from your connected UPSs and dispatches Eaton field technicians if a critical event occurs. View compatible Eaton UPSs and network cards at [Eaton.com/RemoteMonitoringServiceCompatibility](https://Eaton.com/RemoteMonitoringServiceCompatibility)

### Increase peace of mind

Leverages analytics from your connected UPSs to predict component failure—often months in advance—providing time for budgetary planning and equipment replacement.



Enables Eaton field technicians to remotely diagnose most issues. This ensures they'll have the correct parts when they arrive, enabling you to get your system back up and running faster.



Eaton technician inspecting an Eaton 9395XC UPS.



## Prevent equipment downtime and outages



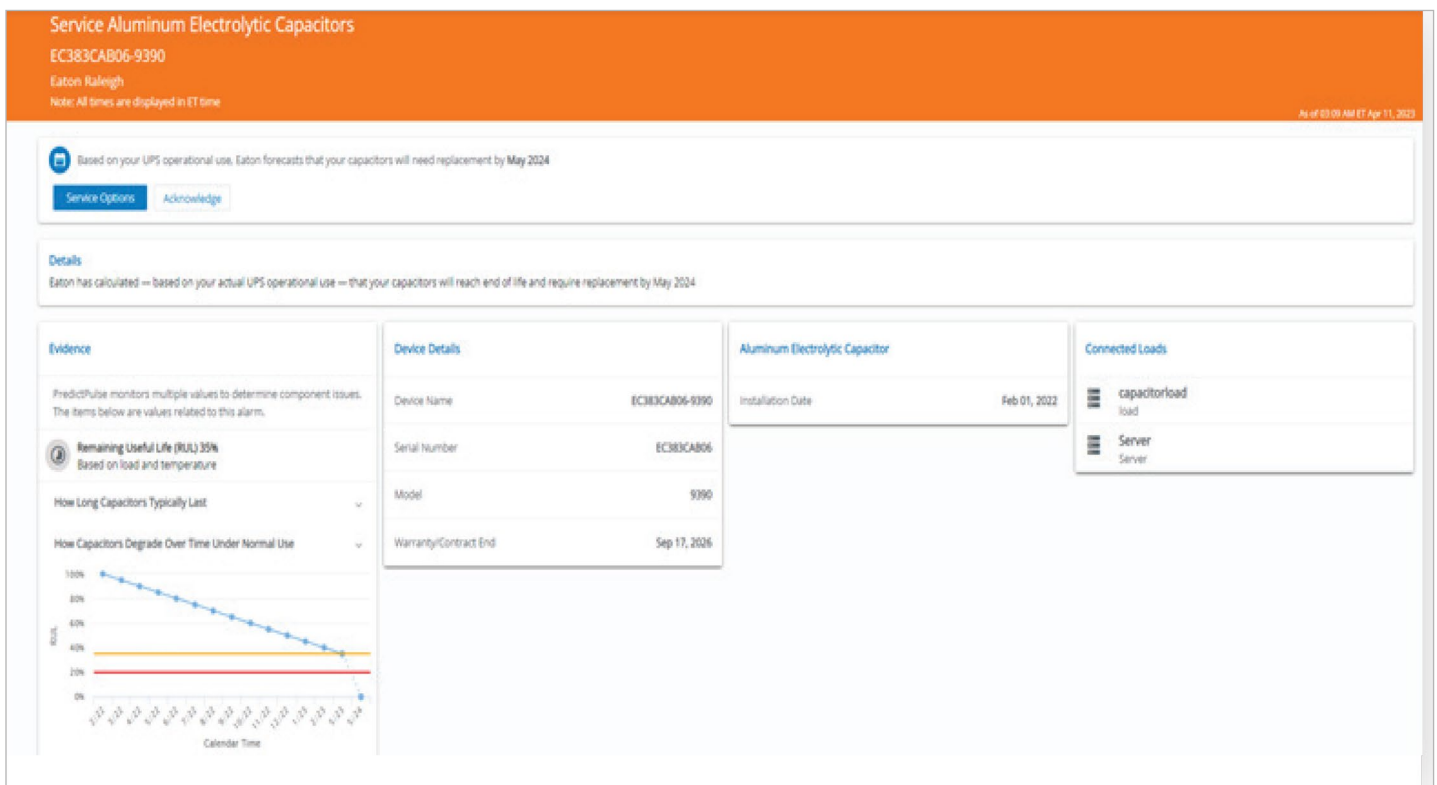
**Gain component-level visibility** into batteries, capacitors and fans so you can optimize service and maintenance planning.



**Configure alarm notifications to meet your needs.** You define the type—text message, email or phone call—priority of critical events and who needs to be notified via their preferred method.



**When the unexpected happens, Eaton responds quickly,** typically notifying you in less than 15 minutes. Our field technicians will visit your site to expedite component and/or UPS replacement—saving time and money, and ensuring critical system up-time.



Monthly capacitors report forecasts remaining useful life, so you can proactively replace them.

Learn more at  
[Eaton.com/RemoteMonitoringService](https://Eaton.com/RemoteMonitoringService)

# Lifecycle management services

## Dedicated expertise and resources at every phase

For customers leveraging one or multiple Brightlayer software products, we offer lifecycle management services designed to help you troubleshoot issues, boost IT staff productivity and protect your hardware and software investments.

From planning to deployment to support and operations, our team is here for you every step of the way.



### Plan

Our team creates a secure, high-performance network design to support your digital initiatives. Once it is approved, we implement the design, supporting everything from configuration and testing to commissioning and cybersecurity assessments.



### Deploy

A smooth software implementation is key for success. At this phase, our services include support for installation, software start up, commissioning and customization. Eaton also offers OT cybersecurity hardening services.

### Operate

Whether your staff needs additional software training or support with device auditing, we have you covered. Our team delivers tailored in-person and virtual training courses, cybersecurity lifecycle services, device audits and more. We also provide around-the-clock remote monitoring to ensure optimal asset performance.



### Support

You and your IT staff have access to a 24/7 global technical support team with availability to answer questions or support troubleshooting. We also offer a comprehensive Knowledgebase filled with diverse self-service resources.

Learn more at  
[Eaton.com/BrightlayerServices](https://Eaton.com/BrightlayerServices)





# The time is now

Connect with an Eaton representative to request a demo or learn more about how our Brightlayer software and services help you navigate your needs and challenges today while preparing you for what's next.

Learn more at  
[Eaton.com/BrightlayerDataCenters](https://Eaton.com/BrightlayerDataCenters)

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