



EkkoSense Edge

Optimize your Server Room cooling and power performance with true real-time visibility



Increases in data center demand mean it's smart to optimize existing server room performance – unlocking stranded capacity and cutting energy use. From an optimization perspective, however, this can present a challenge – particularly as many current Server Room facilities are often under monitored or only tracked by legacy BMS solutions.

EkkoSense Edge for Server Rooms directly addresses this issue, providing true real-time visibility into the performance of all your Edge server room sites – including enterprise closets, enclosures, retail & branch deployments, containerized solutions, and regional edge or small colocation facilities.

EkkoSense Edge for Server Rooms capabilities include:

- ✘ **'Mini-BMS' alternative** at around a tenth of the cost of more complex BMS solutions.
- ✘ **Real-time Edge power management** – giving live Edge power usage to track energy consumption and identify any abnormal patterns.
- ✘ **Comprehensive enterprise-wide visibility** of your extended estate's performance, from the smallest base station through your largest Edge facilities.
- ✘ **Active Edge site performance optimization** – with thermal, power and capacity management supporting greater IT loads across your Edge facilities.
- ✘ **Integration with existing systems via Modbus/TCP, BACnet and SNMP** is accessible via dedicated EkkoHub expansion ports in EkkoLink Mini configuration.
- ✘ **24x7 real-time monitoring and alerting** provides you with **significant risk reduction benefits** across all your sites, preventing potential service-impacting thermal failures.
- ✘ **Cost-effective management of remote sites**, with real-time views providing early insight into potential issues allowing you to optimize site maintenance schedules.
- ✘ **Simple installation and operation**, with wireless sensors and direct-to-cloud wireless data transmission enabling rapid deployment by non-IT professionals.
- ✘ **Fully scalable solution**, with the same enterprise class solution supporting all facilities – from single enclosures or server closets through to major regional facilities.



EkkoSense Edge for Server Rooms lets you manage and optimize the performance of all your Edge sites via our EkkoSoft Critical SaaS 3D visualization and analytics software. You benefit from a comprehensive performance overview of all your remote Edge facilities that – for the first time – gives you access to real-time power, cooling and space optimizations across your extended data center estate.

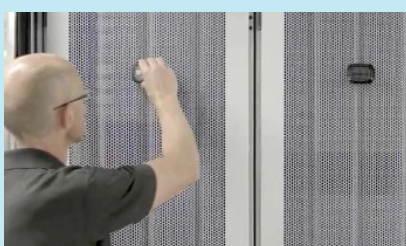


Mini-BMS capability



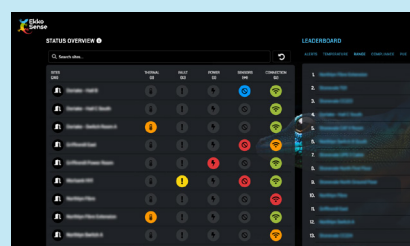
Unlike traditional remote BMS solutions that can only respond to hard faults, EkkoSense features a powerful alerts capability with user permission configuration. This effectively delivers a more comprehensive 'Mini-BMS' alternative at around a tenth of the cost of more complex BMS solutions.

Rapid Deployment



EkkoSense Edge is particularly easy to deploy with a rapid deployment pack of wireless sensors and the EkkoHub Wireless Data Receiver that supports self-installation by non-IT professionals. EkkoSense Edge solutions are typically installed in hours and running on the same day.

Complete Estate and Enterprise Visibility



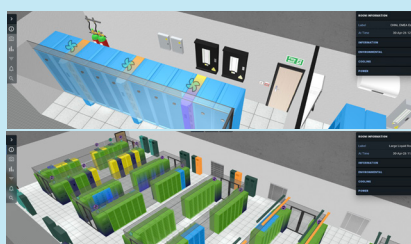
EkkoSense Edge provides data center operations and FM teams with a true, real-time picture of their entire enterprise estate performance via a single, intuitive pane of glass. This gives estate wide access to critical Edge power management data and key metrics.

EkkoHub Wireless Data Receiver



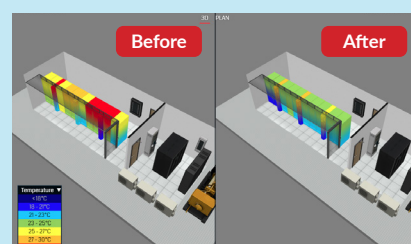
In smaller Edge rooms where there are only a few racks or cooling units, the EkkoHub Wireless Data Receiver's direct-to-cloud functionality connects straight to EkkoSoft Critical via a wired or 5G/4G internet connection – making it an ideal solution for monitoring smaller sites.

Edge Scalability and Support



EkkoLink Mini configuration makes EkkoHub an ideal monitoring and alarming solution for remote Edge facilities, supporting a broad range of sites, from single server closets through to larger facilities requiring up to 200 wireless sensors and 20 Modbus/BACnet and SNMP devices in EkkoSoft Direct mode.

100% Thermal Risk protection



With thermal failure impacting many remote sites during summer months, real-time monitoring of sites via EkkoSense Edge helps ensure 100% ASHRAE rack thermal compliance – protecting organizations from the risk of potential thermal failure at remote sites.



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