



Monitor  
Manage  
Maximize

# Software-driven optimisation for critical data centres

EkkoSense is the leading provider of software-driven thermal optimisation, risk reduction and capacity management solutions for monitoring, managing and maximising critical data centre environments.

We bring together an exclusive blend of innovative technologies and capabilities – including a unique SaaS platform, AI and machine learning skills and low-cost IoT sensors – to facilitate the crunching of multiple complex M&E datasets to support instant optimisation decisions.

The result is a 3D visualisation and analytics platform that makes it extremely easy for customer teams to visualise airflow management improvements, manage complex capacity decisions and quickly highlight worrying trends in cooling performance, and effectively remove risk from their data centres.

EkkoSense's AI and machine learning led approach directly addresses key data centre challenges such as thermal risk leading to unplanned outages, excess cooling energy consumption and releasing stranded capacity. Our EkkoSoft® Critical platform enables true real-time M&E Capacity Planning for power, cooling and space.

## Key EkkoSense benefits include:



Delivering proven data centre cooling energy savings – 30% on average



Eliminating data centre thermal risk – providing 100% rack-level ASHRAE thermal compliance



Supporting unrivalled M&E Capacity Planning and Simulation capabilities



Reduced energy usage unlocks immediate carbon savings to support net zero programmes



Providing remote access to heartbeat M&E data with 24x7x365 remote visibility

## Ekkosense in action...



DIGITAL REALTY

### Interxion/Digital Realty

Reduced its cooling energy consumption by 20% during the 1st year of a project at one of their major UK facilities. Follow on deployments across several other data centres in Europe and the US.



daisy.

### Daisy Corporate Services

EkkoSense helped Daisy remove all data centre hot spots, ensure ASHRAE compliance and unlock an initial 19% saving in data center cooling energy - all with a rapid ROI.



### Leading European Telco

EkkoSoft used by the Telco for centralised estate wide capacity management and for driving site level efficiency, securing savings of up to 65% in cooling energy consumption. EkkoSoft has also stopped potential outages by highlighting under-performing cooling units.



**EkkoSoft® Critical**  
MONITOR MANAGE MAXIMIZE



# Software optimisation approach

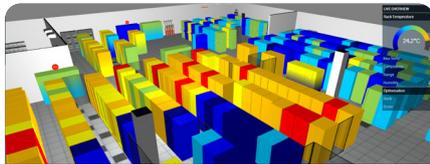
EkkoSense's distinctive software optimisation approach allows data centre operations teams to gather and visualise cooling, power and space data at a granular level.



More Insight  
More Control  
More Power

EkkoSoft Critical is able to analyse multiple complex data sets simply and quickly in a 3D environment and apply AI and machine learning analytics to provide actionable improvements. Once actioned, this process can be repeated and measured for continuous improvement - 24 x 7 x 365!

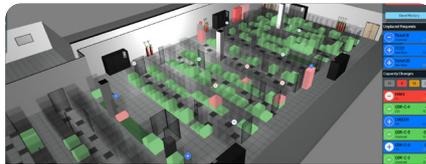
**100,000+**  
Racks **MONITORED**



#### Cooling Advisor

Unique thermal advisory functionality unlocks cooling energy savings. Built into the heart of EkkoSoft Critical, Cooling Advisor provides focused cooling performance recommendations and advisory actions - unlocking 10 - 15% data centre cooling energy savings just by following the recommendations.

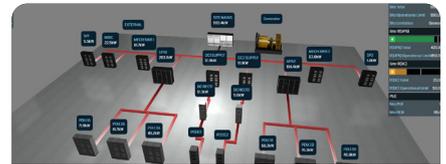
**4,000+**  
Cooling Systems **MANAGED**



#### Capacity Planning

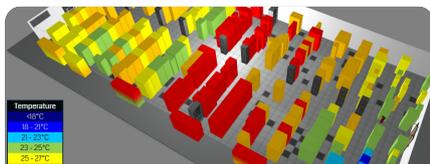
Intuitive real-time M&E capacity planning for data centre estates, EkkoSoft Critical takes capacity planning to the next level - allowing organisations to run their data centre estates much leaner. Goes beyond legacy IT based DCIM tools to provide provide tangible M&E insights into live space, power and cooling utilisation.

**350+**  
Data Centres **MAXIMIZED**



#### Power Management

3D power schematic visualisations and reports embedded within EkkoSoft Critical provide wide ranging insights into electrical loads, from estate views down to room level and rack level utilisation. Easy to see the complete power breakdown to help unlock stranded power capacity and inform capacity decisions.



#### Risk Avoidance

Remove data centre thermal risk entirely. EkkoSense's distinctive blend of innovative IoT sensors, immersive 3D SaaS visualisation/analytcs software and PhD-level thermodynamics expertise helps organisations to remove 100% of thermal risk from their data centre operations.



#### Ultra-Low Cost Sensor Technology

Our Critical Things® family of ultra-low-cost modern wireless IoT sensors makes granular data centre monitoring possible for the first time, allowing EkkoSense to provide highly visual and intuitive insights into complex M&E datasets. Full integration with 3rd party and hardware and software systems.



#### EkkoSense Watch

Remote monitoring with EkkoSense Watch provides comprehensive thermal monitoring of your data centre - from anywhere. Creating an immersive 3D digital twin of your rooms lets you monitor individual rack and cooling unit thermal performance and manage to ASHRAE KPIs.

To register your interest, please visit:  
<https://www.interxion.com/ekkosense>