



**EkkoSoft® Critical**  
MONITOR MANAGE MAXIMIZE

# Cooling Optimization

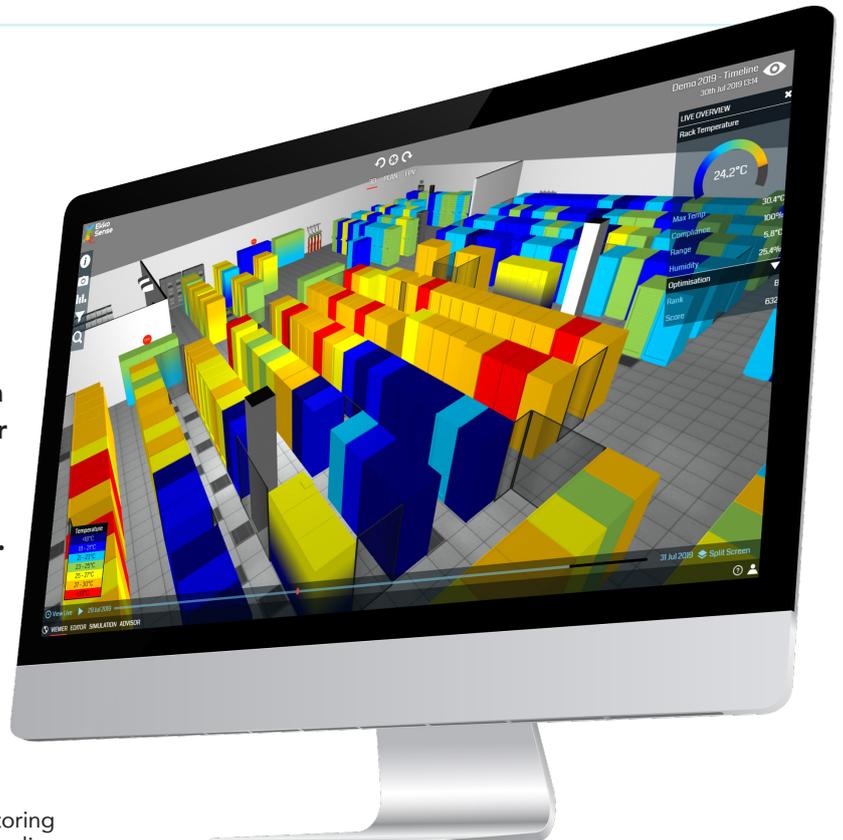
## Unique Thermal Advisory Functionality Unlocks Significant Data Center Cooling Energy Savings

Built right into the heart of the EkkoSoft® Critical SaaS 3D visualization and analytics software, Cooling Advisor provides data center operations teams with focused cooling performance recommendations and advisory actions.

Together these help you to monitor, manage and maximize your data center's thermal performance – allowing organizations to **unlock 10%+ data center cooling energy savings** – simply by acting on Cooling Advisor's recommendations.

Cooling Advisor is the industry's first advisory solution that's embedded within a thermal monitoring solution. Utilizing advanced machine learning, Cooling Advisor equips data centers with a powerful self-optimization capability. Teams can check their progress against the EkkoScore optimization rating.

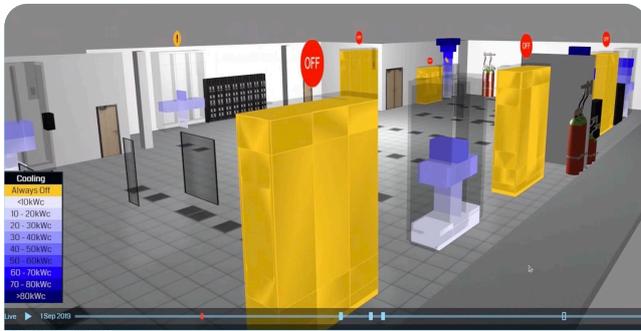
Cooling Advisor features a range of powerful self-optimizing capabilities that enable data center teams to benefit from continuous, year-round performance optimization.



**It's like having a dedicated cooling optimization consultant working in your data center 24/7!**

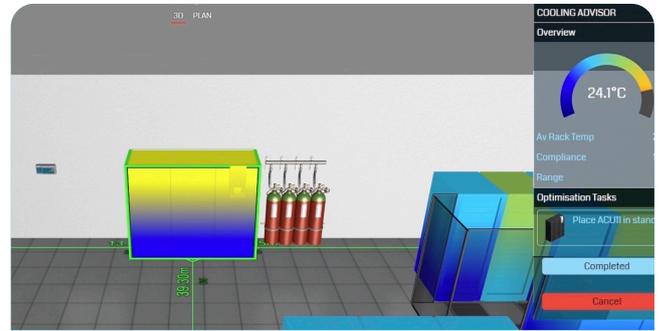
### Cooling Advisor benefits include:

- 🔑 Presentation of clear, practical advice that – when actioned – delivers proven data center cooling energy savings
- 🔑 24x7 operation to provide data center teams with continuous cooling performance recommendations and advisory actions
- 🔑 Support for 100% ASHRAE rack thermal compliance, ensuring protection from thermal risk across your data centers
- 🔑 Guidance to keep your critical facilities fully optimized, offering continuous support for today's dynamic data center environments



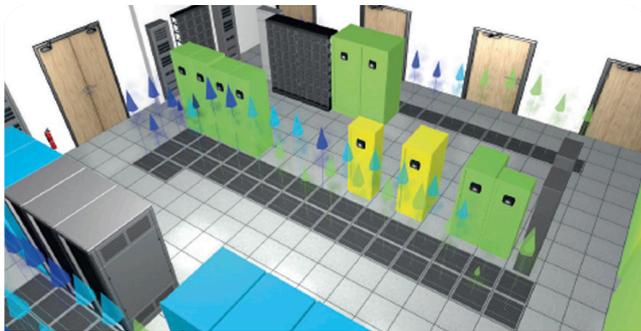
### Provide Guidance on Cooling Set Point Adjustments

Thanks to EkkoSoft Critical's round-the-clock monitoring of temperatures, Cooling Advisor can offer focused guidance around adjustments to cooling unit set points, helping to deliver immediate cooling energy savings.



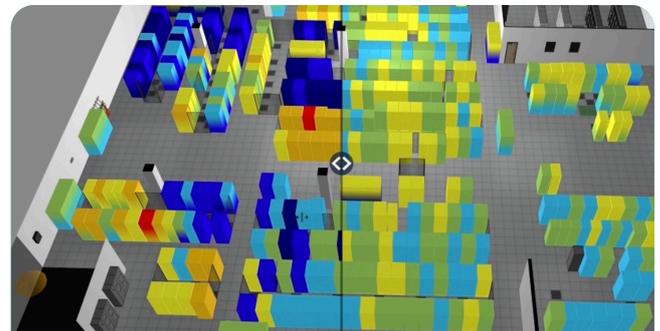
### Highlight Under Performing or Redundant Cooling Units

Cooling Advisor includes powerful self-optimizing tools that highlight cooling unit performance - analyzing any cooling units that aren't actively cooling or that are providing surplus cooling duty. This also provides valuable capacity release benefits to support additional IT workloads.



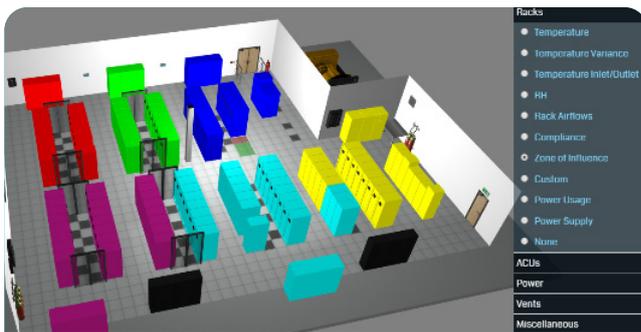
### Identify Floor Grilles that should be Removed or Relocated

Simply by acting on Cooling Advisor recommendations, data center teams can take control of thermal optimization – for example by identifying a better floor grille layout to target air delivery only where it is needed and increase raised floor static pressure.



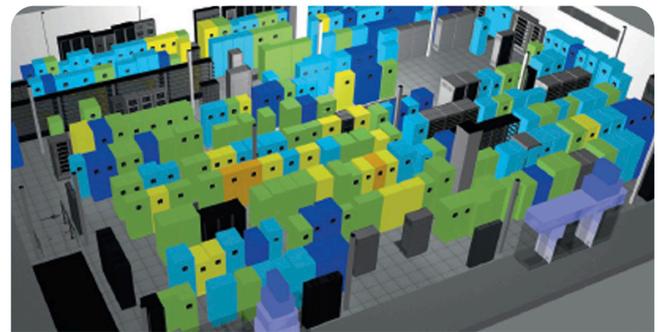
### Structured Data Center Self-Optimization

Effective data center thermal optimization can never just be a one-off process. Cooling Advisor allows operational teams to take control of optimization on an ongoing basis. Changes are clearly tracked to ensure they are delivering the desired result and when confirmed can be categorized as part of the standard optimization model.



### 24/7 Thermal Risk Coverage

Cooling Advisor proactively uses the real-time temperature data gathered by sensors from across the data center to help ensure 100% ASHRAE rack thermal compliance, as well as providing insightful analysis and trends – for example by uncovering critical cooling Zones of Influence using machine learning techniques.



### Supporting Dynamic Critical Facilities

Data centers are constantly changing – with Cooling Advisor, you can ensure your facility remains thermally optimized throughout the addition and removal of IT equipment and associated cooling, as well as supporting new workloads as required.