



EVEREST DIGITAL | Case Study

How Everest Digital turned its Tier III Data Center into a benchmark for sustainability, energy efficiency, and operational intelligence using the EkkoSense platform



28%

Reduction in cooling energy consumption



ESG

Fully automated and auditable reporting



100%

Total operational visibility in real-time



Even with a rise in AI, GPU and HPC computing, EkkoSense has helped Everest Digital achieve a reduction in cooling energy consumption of up to 28%.



The EkkoSense® Effect

28%

Reduction in cooling energy consumption



ESG

Fully automated and auditable reporting



100%

Total operational visibility in real-time



“Our partnership with EkkoSense has been a cornerstone of our strategy since the very beginning of operations. Today, we have full real-time thermal and energy visibility, make decisions based on artificial intelligence and data, and, above all, deliver a more efficient, sustainable data center aligned with our ESG commitments. This is the foundation for the future we want to build.”



Gisele Santos

Head of Data Center Infrastructure
Everest Digital

Sustainable Vision, Strategic Execution

Everest Digital, the first company in Brazil's Midwest region to operate a Tier III-certified Data Center as a Managed Service Provider, has established itself as a national reference in resilient and high-performance digital infrastructure — without compromising environmental responsibility and energy efficiency. The EkkoSense platform was adopted during the infrastructure's design phase as a core part of Everest's operational architecture. Since its launch, the data center has operated with real-time thermal monitoring, 3D visualization, machine learning, and performance indicators that enable continuous environmental adjustments — all aligned with a culture of technical and environmental excellence.

“From the very beginning, we knew that building a Tier III data center wasn't enough — we wanted to deliver an efficient, intelligent facility prepared to operate with environmental responsibility. EkkoSense was brought in as a strategic tool for this purpose. Thermal intelligence has always been part of our vision. We chose EkkoSense during the engineering phase because we knew that today's thermal challenges — especially with AI and high-density workloads — needed to be addressed with technology, not by simply adding more cooling.” - Gisele Santos.

Since the implementation of EkkoSense, the operation has undergone a significant transformation: cooling energy consumption has decreased, thermal planning has become more precise, and ESG practices have been elevated in measurable ways.

EkkoSense gives us total visibility of the environment, minute by minute.



Tangible Results with EkkoSense

The EkkoSoft Critical platform enables real-time monitoring of thousands of thermal and operational points through an intuitive 3D interface, machine learning algorithms, and automated recommendations to optimize the environment. With it, Everest achieved operational maturity from day one:

- Up to 28% reduction in cooling energy consumption, even with the rise in computing density (AI, GPU, HPC);
- Elimination of overcooling zones, ensuring energy is directed precisely where needed;
- Early detection of inefficiencies and thermal risks, supporting operational continuity and extending equipment lifespan;
- Improved capacity management (power, cooling, and space), with digital twin capabilities and expansion simulations;
- Automated ESG reports, with auditable data for sustainability and efficiency metrics.

“EkkoSense gives us total visibility of the environment, minute by minute. We know where we’re overcooling, where we’re at the limit, and we can act with precision — always focused on efficiency and uptime.” - Gisele Santos.

ESG in Practice: Efficiency, Transparency, and Responsibility

Integrating EkkoSense from the design phase enabled an operation born with ESG principles embedded from day one.

The partnership strengthened Everest’s environmental governance and positioned the company as a leader in sustainability among clients, investors, and stakeholders. Key ESG gains include:

- **Environmental Sustainability:** Direct reduction in carbon emissions by optimizing cooling systems — one of the largest sources of energy consumption in data centers;
- **Transparent Reporting:** The platform allows for accurate, frequent data generation on energy efficiency, thermal performance, and operational metrics — essential for audits and regulatory compliance;
- **Circular Economy & Operational Efficiency:** With AI-driven thermal control, equipment wear is reduced, and asset lifecycle is extended.

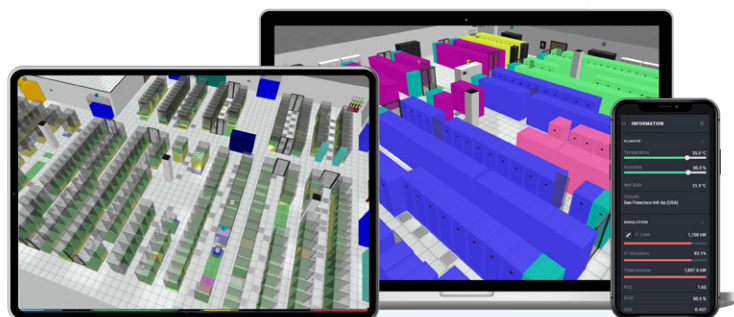
“Today, we operate based on data. And that changes everything: it changes how we make decisions, how we plan, and even how our team thinks. Efficiency has become routine, and sustainability has become a deliverable — not just a message”, added Gisele Santos.

Strategic Impact: A Data Center Built for the Future

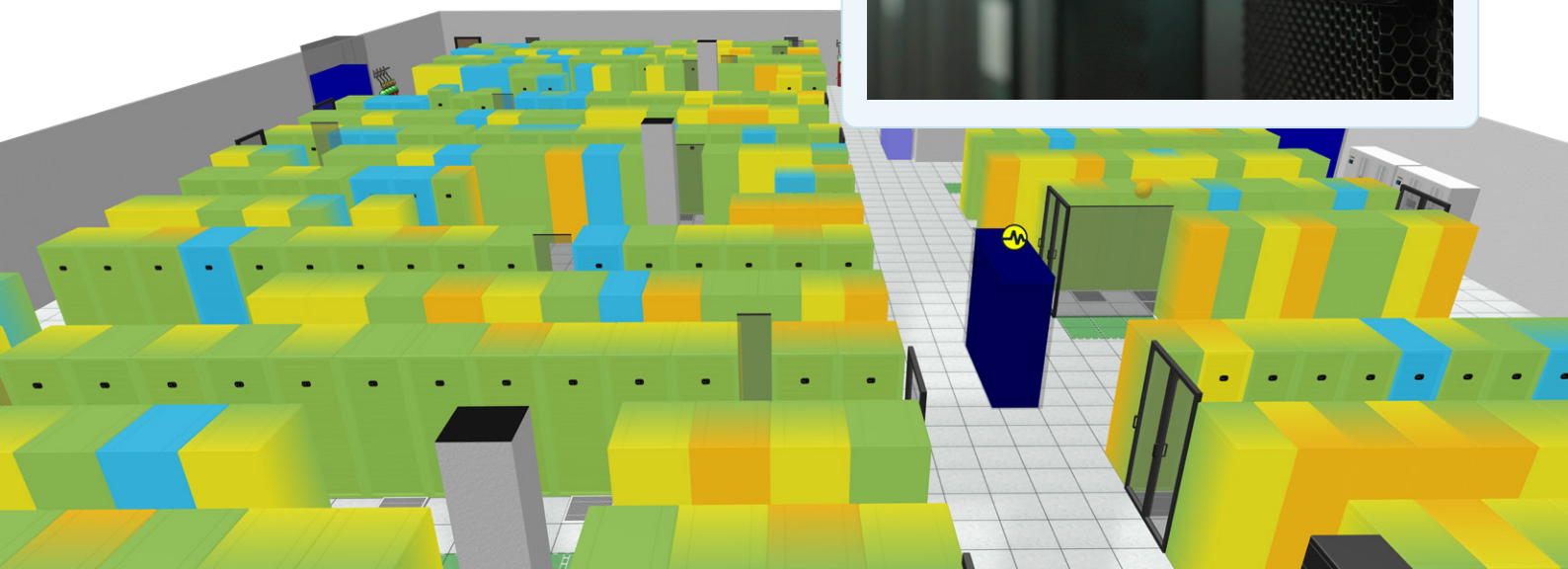
In a landscape where AI and digital workloads are growing rapidly, Everest Digital stays ahead of the curve by:

- Delivering a resilient and sustainable infrastructure;
- Making data-driven decisions powered by AI;
- Advancing energy efficiency as a core pillar of innovation and competitiveness.

“Today, we operate with technical excellence, thermal efficiency, and environmental responsibility — a direct result of the operational maturity we’ve achieved with EkkoSense. More than a tool, the platform has become a fundamental part of our operational strategy, enabling us to deliver an infrastructure aligned with today’s demands and ready for the challenges ahead.”
– Gisele Santos.



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Bring the power of EkkoSense AI to your critical facilities

Request your free demonstration and experience
the future of data center optimization, today.

Watch our video



Book a demo



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