Eos Indensity™

Gigawatt-Scale, High Density Energy Storage Architecture

Spatial Intelligence

Eos Indensity™ is the first energy storage architecture engineered with Spatial Intelligence, an innovative system design framework developed by the team at Eos that considers the built, human, and natural environments where power is needed most. Indensity rises to every site-specific challenge—reaching new heights in density, scale, flexibility, and safety.

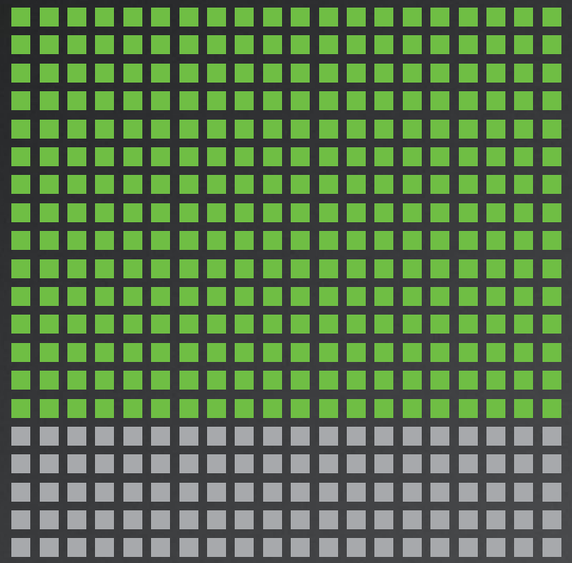
Next-level density

The premise behind Eos Indensity™ is simple: it's an energy storage architecture designed to support bigger ideas, tougher missions, and faster progress—without tradeoffs. By helping ensure a future of limitless energy, Indensity becomes the force that propels ambition forward.

Eos Indensity shatters the current density ceiling, targeting 1 GWh per acre—roughly 4x what most other incumbent technologies can achieve within the same footprint. This leap is made possible by non-flammable Eos Z3™ battery modules, Eos DawnOS™ advanced controls, and the compact, stackable form factor of Eos Indensity Core™ units—the building blocks of the Indensity architecture.

Targeting
1 GWh
per acre

250 MWh
Average energy per acre for incumbent systems



Roughly
4x
that of most other technologies*

*Comparisons are derived from publicly available, third-party–reported performance data for representative lithium-ion BESS systems.

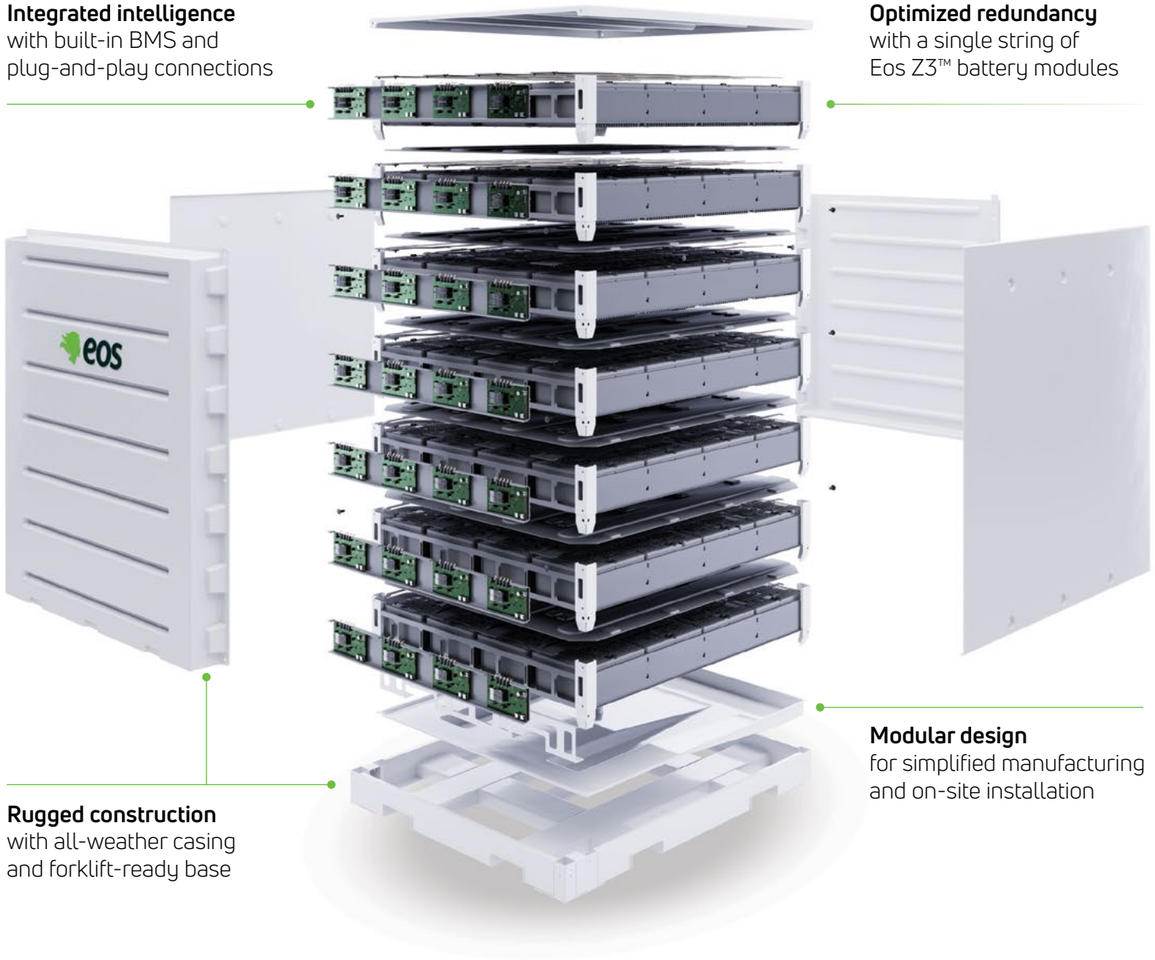
Eos Indensity Core™

Engineered for

The Indensity Core integrates Eos Z3™ battery modules, the Eos DawnOS™ platform, and onboard cooling fans into a self-contained, modular, and stackable form factor. These compact building blocks enable easier transport, simpler on-site installation, and faster electrical connection—while ensuring a precise fit within the available space, generous spacing for airflow, and clear access for long-term servicing.

Integrated intelligence
with built-in BMS and plug-and-play connections

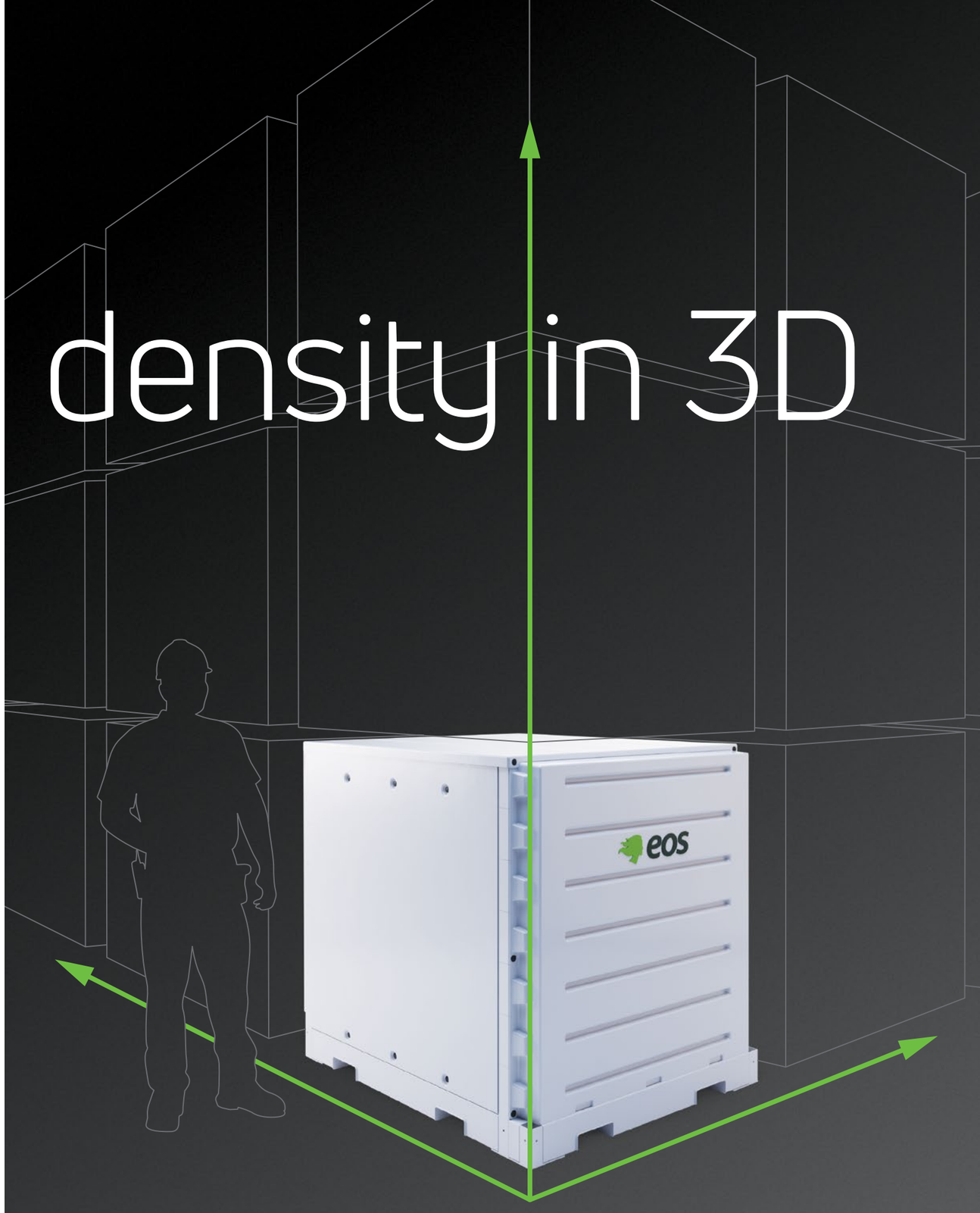
Optimized redundancy
with a single string of Eos Z3™ battery modules



Modular design
for simplified manufacturing and on-site installation

Rugged construction
with all-weather casing and forklift-ready base

density in 3D



Breakthrough scale

The configurability of Eos Indensity™ unlocks both horizontal and vertical real estate. Driven by energy needs—not available footprint—it transforms the power potential of virtually any site. A simple, steel superstructure is assembled first, with Eos Indensity Core™ units then slotted into place. Fully weather-ready yet indoor-rated, Indensity can be installed inside existing buildings or placed directly outdoors.

Standard
Up to 250 MWh, per acre

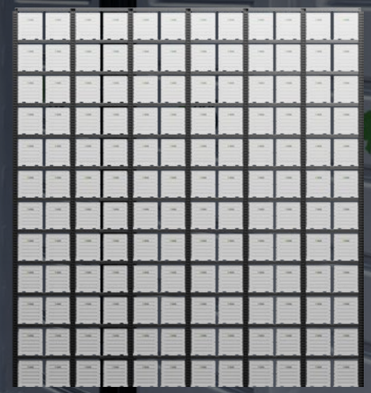
Comparable with competition

Elevated
Up to 500 MWh, per acre

2x competition on average

Extreme
Targeting 1 GWh, per acre

Roughly 4x most competition

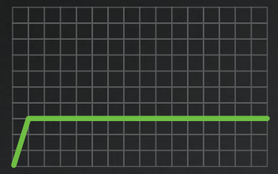


Extraordinary flexibility

Built for extremes, Eos Indensity™ meets the toughest operational demands—powering the world's most challenging missions and responding with precision to rapidly changing requirements, all while maintaining up to 90% round trip efficiency (RTE) and ~97% capacity over a 25-year lifespan. The goal: to maximize usable electrons while eliminating tradeoffs in long-term performance.

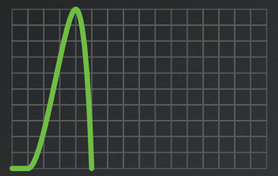
Powered by zinc

In a single day, Eos Indensity can discharge for hours, respond in seconds, cycle repeatedly, and sit idle—often in a different order each day—because real-world energy systems don't operate linearly.



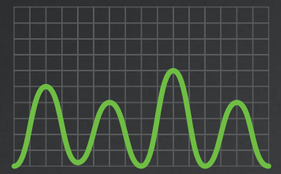
Duration-driven
Long discharge, sustained output

- Provides extended delivery when energy continuity is critical
- Supports 4 to 16+ hours-long discharge without sacrificing availability elsewhere



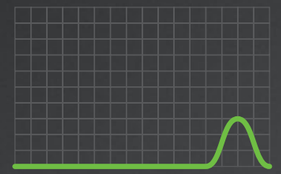
Response-driven
Short discharge, high immediacy

- Delivers rapid, precise bursts of energy
- Optimized for peaks, ramps, and fast response obligations



Cycle-intensive
Intermittent, multi-cycle use

- Handles frequent, irregular discharge cycles without penalty
- Built for volatility, not predictability



Standby-critical
Idle until needed

- Maintains safety and readiness through extended idle states
- No degradation, no risk, no loss of confidence

Exceptional safety

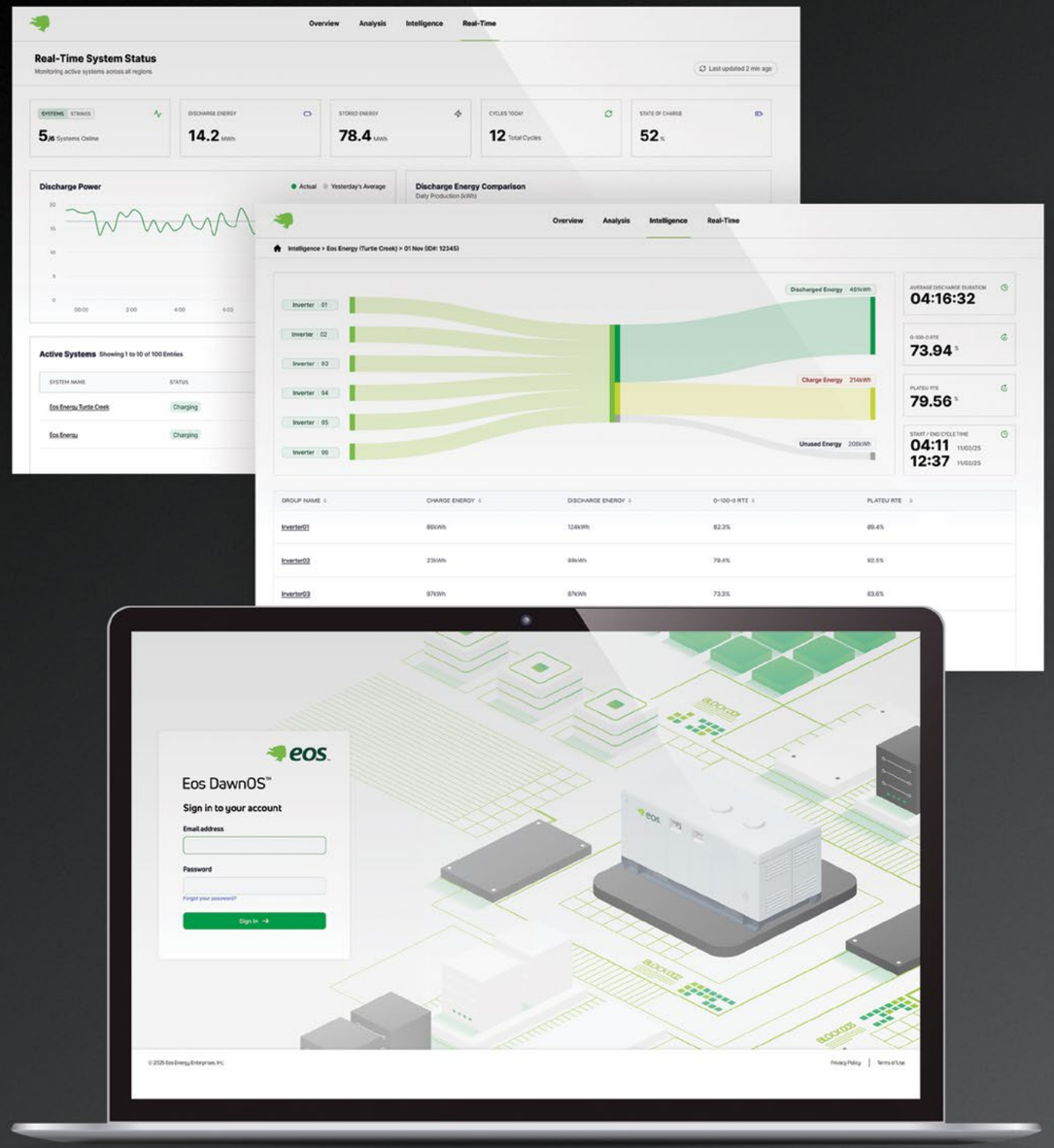
Eos Indensity™ doesn't just deliver power—it protects high-value assets, human populations, and natural environments. From the non-flammability and recyclability of major Eos Indensity Core™ components, to the strategic containment and spacing of Eos Z3™ modules, electrical connections, and circuit boards, to the cybersecurity of Eos DawnOS™ protective controls, safety is built-in—not added on.

	Eos	Incumbent technology*
Non-flammable battery modules	No risk of fire	Susceptible to thermal runaway that can lead to intense fires and explosions
Low noise system	Quiet as a conversation, ~60 decibels	Loud as a noisy restaurant or a human shouting, ~70 to 92 decibels
Reliable supply chain	FEOC and domestic content compliant	Overwhelmingly dependent on foreign sources for both raw battery minerals and processed components
Cybersecure software	Managed by Eos DawnOS, our US-developed, coded, and hosted controls and analytics platform	

*Comparisons are derived from publicly available, third-party–reported performance data for representative lithium-ion BESS systems.

Eos DawnOS™

The Eos DawnOS™ Advanced Controls and AI-enabled Insights platform was designed to leverage the inherent capabilities of our Eos Z3™ zinc-based chemistry. It gives every battery module—and every system user—the ability to sense what's happening, respond in real time, and adapt as conditions change, delivering optimal performance from an Eos Indensity™ installation.



With Eos Indensity™, we're enabling the future of limitless energy we have always imagined—an expression of American ingenuity and determination at work, strengthening energy independence, accelerating economic growth, and protecting what matters most.

Limitless potential

Because of its density, scalability, flexibility, and safety, Eos Indensity can be sited not just in the sprawling, remote locations traditionally associated with large power generation installations, but embedded across every asset and every point of the grid—deep into the dense places and constrained spaces that drive society's progress.

- **Data centers** advancing artificial intelligence
- **Military bases** safeguarding national security
- **Manufacturing facilities** fueling economic growth
- **Critical infrastructure** sustaining urban populations

About Eos

Eos is on a mission to enable a future of limitless energy—energy so abundant and reliable that it can fuel humanity's limitless potential. For more than 15 years, we've been reimagining long-duration energy storage to make that future real, applying our ingenuity and determination to develop zinc-powered chemistry, high-density configurations, and AI-enabled controls that overcome the inherent limitations of incumbent technologies.

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