



Unlocking the Full Value of Energy Storage for Commercial & Industrial Companies

Smarter Storage = Lower Costs + Higher Reliability + Greater ROI

The Challenge

Electricity storage—whether from utility-scale batteries, thermal energy storage, or pumped-storage hydro storage—is critical for businesses that want to cut costs, manage renewable variability, and strengthen resilience.

But the real value of storage depends on making the right decisions about when to charge, discharge, or hold. Traditional approaches often rely on fixed schedules or rough forecasts, leading to:

- Missed opportunities to reduce peak demand charges
- Faster asset wear and reduced lifespan
- Unnecessary operating costs and risk



The GridSeer Solution

GridSeer's AI-driven software, developed at Duke University, provides probabilistic forecasting and risk-aware optimization that transforms storage into a strategic asset. Our system helps C&I companies:

- Forecast demand and renewable generation with precision
- Simulate different storage strategies (charge/discharge/load shifting)
- Optimize dispatch decisions in real time
- Extend storage asset life while reducing costs and exposure to price spikes



Why It Matters for C&I

Commercial and industrial facilities face rising energy costs, pressure to decarbonize, and greater exposure to grid disruptions. GridSeer turns storage into a competitive advantage.

Universities & Research Campuses	Hospitals & Healthcare Systems	Data Centers & IT Facilities	Manufacturing Plants	Retail Chains & Distribution Centers
Balance renewables, manage microgrids, and reduce peak charges across large facilities	Ensure reliability for critical operations while managing rising energy costs	Optimize storage to handle variable loads and improve resilience against outages	Lower electricity costs and improving sustainability across energy-intensive operations	Use storage to stabilize operations and meet corporate sustainability goals

Proven Results

- ✓ Case study: Saved \$70,000+ per month through smarter storage and load management
- ✓ Demonstrated 2–5% reduction in system costs in large grid applications
- ✓ Enabled faster ROI on storage investments

The Bottom Line

GridSeer enables C&I leaders to get more from their energy storage systems by combining advanced AI forecasting with practical, real-time optimization.

Discover how GridSeer can help your facility save money, improve resilience, and unlock the true potential of energy storage.

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