



# Port of Spain data center energy storage

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With its tagline of "Zero Water. Zero Carbon. Big Data," Edged Energy has set the bar for themselves at a very high level. A subsidiary of Endeavour (which has no relationship to Endeavor Business Media, the parent of Data Center Frontier), Edged Energy takes advantage of its sister company technologies in five key areas to build sustainable data centers.

These mission-critical areas include:

With Edged Energy focused on delivering sustainable IT solutions, they are aggressively developing new data centers, most recently breaking ground in the US in Aurora, Illinois last May, and Atlanta, Georgia last July.

Using the proprietary energy efficient modular designs and waterless cooling systems, both campuses look to deliver PUE of no higher than 1.15, and showcase the Endeavour technologies.

Endeavour founder Jakob Carnemark, former chief and founder of Aligned Energy, remarked:

"The Edged platform is uniquely optimized for both energy and water efficiency. Unlike traditional data centers which put significant pressure on the power grid and consume nearly 136 billion gallons of water each year in the U.S. alone, Edged Atlanta will be outfitted with ultra-efficient waterless cooling technology that can handle high density loads -- up to 70kW/rack in air-cooled configurations and greater densities with liquid cooling plug-in components -- yet consumes no water."

The Edged Aurora campus will deliver 100 MW of capacity with a focus on AI workloads, and is a collaboration between property developer Seefried Industrial Properties and utility provider ComEd.

The Edged Atlanta campus, being constructed on a 70 acre property near downtown Atlanta, will offer almost double the power availability at 180 MW, and is being developed in conjunction with real estate developer the TPA Group and Georgia Power Company.

Completion of both carbon-neutral campuses is expected in mid-2024, and while they are the company's first entries in the US market, will join almost a dozen other data center campuses under construction worldwide.

While Edged is the Endeavour company that is building these cutting edge data centers, the other Endeavour companies providing the enabling technologies are focused on broader markets than just the data center industry:

Gridblock is focused on developing and deploying plug-and-play energy routers to enable a power infrastructure, initially focused on making a distributed power generation network with easy deployment to



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simplify commercial fleet use of electric vehicles.

Gigagrid is focused on developing next-generation electric grid technologies to address the quickly changing power needs we are currently observing. The company is enabling the transition from the traditional grid model to the Active Grid, a scalable and flexible platform that has a real-time awareness of power demands and the control and monitoring technologies to deliver appropriate levels of power where needed.

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