



CUSTOMER CASE STUDY

Pioneering Fail-Safe Distributed Energy Storage Systems

3.75MWh Indoor Battery Energy Storage System: at Peace Bridge Place with Good Carbon.

Good Carbon Co, a Buffalo based multifamily housing developer, invests in rejuvenating properties in low-income areas. They supercharge efficiency and slash both carbon emissions and energy costs by investing in technologies like building envelope upgrades, geothermal heat pump systems, and LED lighting. They install EV charging to enable the local community to decarbonize their transportation as an amenity. And now, with Viridi's help, they're embracing energy storage in a major way – as of December 2025 the 105-unit Peace Bridge Place hosts one of the largest Lithium-Ion Energy Storage Systems inside an occupied building in the United States.

In 2023, the **New York State Energy Research and Development Authority (NYSERDA)** supported the local utility National Grid who sought intelligent, grid connected technologies capable of responding to dispatch signals during hours of peak usage on their distribution network. Viridi's Energy Storage and Energy Management System controller was selected to provide flexible, behind-the-meter demand response during the summer and winter seasons.

“Our energy strategy requires much more than a battery provider. We were looking for a true partner and found that in Viridi. They've been flexible and adept, crafting a system of energy management that will grow with us. And of course, we wouldn't trust our tenants or our properties with anything less than the safest battery in the world.”

ADAM SERBERT, CEO, GOOD CARBON



The 105-unit multifamily Peace Bridge Place.

WHAT DOES THE SYSTEM DO:

Viridi's Energy Management System controller is programmed to control the charging and discharging behavior of the battery through two modes:

Normal Operation – Peak Shaving: as the building's grid energy draw approaches a monthly peak, the battery discharges to drop it below a target threshold, lowering the on-bill \$/kW demand cost for the building

Summer and Winter Demand Response: on peak event days, the Energy Management System receives a National Grid dispatch signal through **EnergyHub's** Edge Distributed Energy Management System (DERMS). It responds by:

- Automatically adjusting the setpoint of smart thermostats building-wide, lowering HVAC energy consumption
- Discharging the battery at a high enough rate that the building's energy consumption turns negative, relieving local grid congestion

**Discover the full story—
contact us now.**

1001 East Delavan Ave. | Buffalo, NY 14215 | (716) 968-8658
sales@viridiparente.com | www.viridiparente.com

Specifications subject to change without notice. | © 2026, Viridi Parente, Inc. All rights reserved. Manufactured in Buffalo, NY.
Viridi is a trademark of Viridi Parente, Inc., registered in the U.S. and other countries and regions. Information as of January 2026.



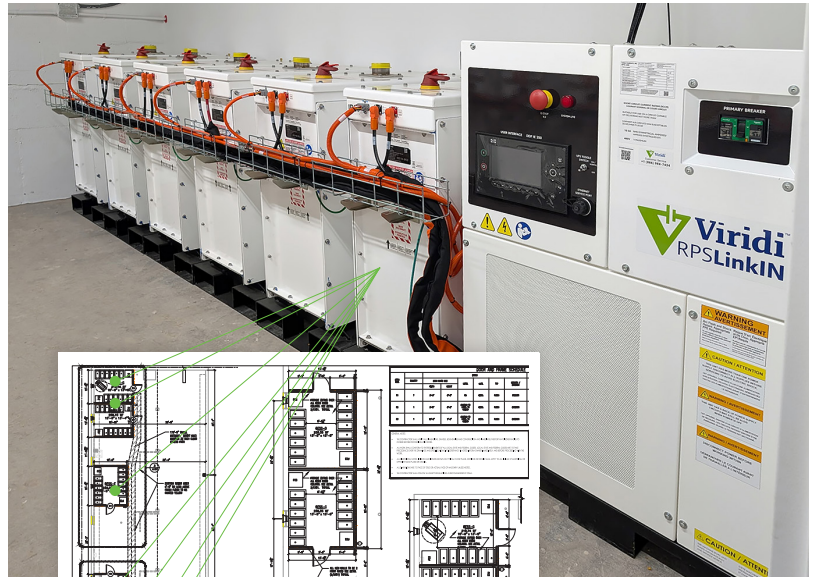


“NYSERDA is proud to support the Peace Bridge Apartments project, which features an innovative grid intelligent technology to help balance electrical load and energy efficiency. This partnership with Good Carbon, Viridi, and National Grid creates value for customers and illustrates how indoor energy storage can keep the lights and heat on during a power disruption while helping the grid manage energy demand at peak times of the day or year.”

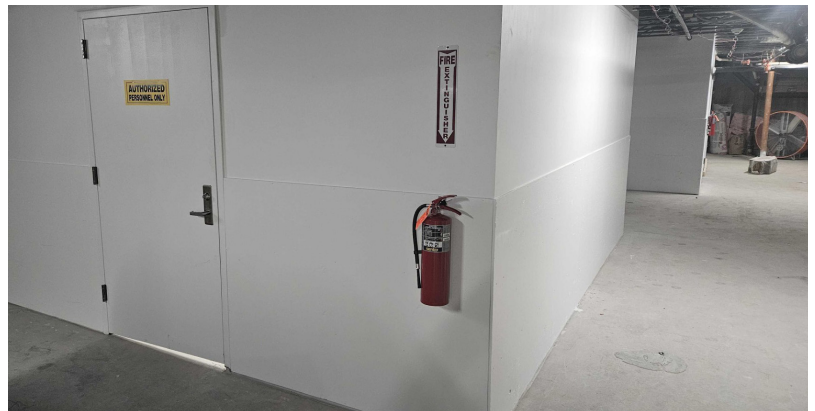
DOREEN HARRIS, PRESIDENT & CEO, NYSERDA

INDOOR BATTERIES— BUT WHAT ABOUT THE FIRE RISK?

Viridi builds its Fail-Safe Anti-Propagation architecture into every RPS50 battery pack. This passive layer halts thermal runaway propagation between cells, the typical failure mode for Lithium-Ion that can lead to rapid and catastrophic fires. Testing to the UL9540A Residential Standard, which involves intentionally heating a cell within the pack to the point of thermal failure, demonstrated no detectable release of heat, sparks, smoke, or flames. This technology makes Viridi’s systems uniquely suitable for safe deployments in and around occupied spaces and critical equipment. The local Authority Having Jurisdiction would not have permitted a Lithium-Ion system of this size inside a residential building without Fail-Safe technology.



Seven battery rooms each equipped with Viridi RPSLinkIN systems.



The basement level of Peace Bridge Place during battery room construction.

Discover the full story— contact us now.

1001 East Delavan Ave. | Buffalo, NY 14215 | (716) 968-8658

sales@viridiparente.com | www.viridiparente.com

Specifications subject to change without notice. | © 2026, Viridi Parente, Inc. All rights reserved. Manufactured in Buffalo, NY.

Viridi is a trademark of Viridi Parente, Inc., registered in the U.S. and other countries and regions. Information as of January 2026.

