

‡ RESILIENCE & AMENITIES

Resilient facilities AND visitor perks: smart microgrids for retirement communities.

Which campuses *need it most*?

Brightmerge shows senior living operators which campuses justify EV charging, Battery Energy Storage Systems (BESS), or microgrids — and how to size them — BEFORE capex is committed.



‡ THE MULTI-SITE OPPORTUNITY

Senior living and recovery facilities face a dual challenge: maintaining absolute operational resilience while adapting to the modern needs of families and tenant transport.

Traditional backup diesel generators, as a stand-alone energy solution, are noisy, polluting, and offer no financial return during normal day-to-day operations. At the same time, visitors arriving to see loved ones, and tenants with EVs, increasingly expect seamless on-site EV charging infrastructure.

The reality across campuses today

Across a multi-campus network:

- Diesel backup sits idle most of the year and returns nothing
- Generators are noisy and polluting on a campus where people live
- Visitors and tenants increasingly expect on-site EV charging
- Grid reliability varies widely from one campus to the next

Managing these demands across multiple campuses requires a centralized, data-driven approach.

How Brightmerge can help

The Brightmerge platform lets senior living executives analyze their entire property portfolio strategically.

Site Selector

Identify the optimal facilities for charging infrastructure, battery energy storage, and even solar power.

Site Design

Engineer a clean, quiet BESS and EV charging microgrid tailored to each specific campus, balancing premium tenant and visitor amenities with backup power.

‡ BENEFITS

01 • SITE SELECTOR Isolate vulnerable, high-risk facilities Match your facility map against regional grid reliability data, prioritizing microgrid capital where backup power is most critically needed.	02 • SITE DESIGN Provide the “while visiting a loved one” charging perk Design low-stress EV charging that matches typical 2-to-4-hour family visitation windows, improving the overall visitor experience.
03 • SITE DESIGN Deploy clean, quiet emergency backup Engineer an intelligent BESS microgrid that silently island-powers climate control and critical facility loads during blackouts, alongside existing life-safety backup.	04 • SITE DESIGN Optimize fleet electrification economics Model the exact charging infrastructure required to power your non-emergency client transport vans cleanly, reducing facility fleet operating costs.

‡ HOW IT WORKS

STEP 01 Site Selector Rank every campus in the network	STEP 02 Site Design Model the microgrid per campus	STEP 03 Take action Build what the campus justifies
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The Brightmerge advantage

- Analysis in minutes or days, instead of weeks or months
- Clear portfolio-wide view of infrastructure value
- Systems analyzed and designed for real-world site behavior
- Decisions based on precise simulations, not general assumptions
- Avoid overbuilding and capex mistakes

For senior living networks, retirement communities, and multi-campus care operators.

Contact: Brett Muney • U.S. Director of Sales
brettm@brightmerge.com

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