



We Make Things Work[®]

for Commercial Buildings



Power surges and outages can spell disaster for commercial building owners, whose customers depend on – and demand – reliable power to conduct business. Power interruptions pose challenges for resorts and hotels as they strive to keep guests comfortable. Reliable power is also critical for planned communities and land developers trying to attract residents through amenities, especially with the integration of more renewable energy sources.

Meanwhile, energy costs are rising. According to the US Bureau of Labor Statistics, the average utility bill in the United States increased by 16% over the past year, and many energy experts expect electricity prices to continue to increase.

What if you had a **Virtual Utility[®] providing instantaneous power for your entire facility or community** that could also be used as an alternative to the public utility when needed, both protecting your assets and **lowering your energy costs?**

e2Companies can help you gain peace of mind with continuous, uninterruptible power that meets utility, safety and environmental standards.



Discover your energy future

Virtual Utility[®] is the first utility-grade network that combines energy generation, battery storage, and proactive energy management.

This provides numerous benefits for commercial buildings, including:

- **Ensuring operations continue running**, regardless of weather conditions
- **Conditioned, blip-free power** that allows guests and tenants to enjoy amenities without interruption
- **Attract customers and enhance guest experience** with fast EV charging
- **Proactive energy management** and asset optimization to control energy costs
- **Lower fuel costs** as compared to traditional diesel backup generation
- **The potential to take advantage** of The Inflation Reduction Act (IRA) and National Electric Vehicle Infrastructure (NEVI) tax incentives, covering up to 40% of the cost of installation
- **Improving the reliability** of existing or future renewable energy sources
- **Achieving ESG goals** and contributing to a real, measurable societal return on investment

Virtual Utility[®] Components



Reliable, Resilient,
Responsive Power Generation

Our patented R3Di[®] System is the heart of Virtual Utility[®] — a self-contained, modular unit consisting of a **prime-rated, rich-burn natural gas generator and a lithium-iron phosphate battery energy storage system, providing up to one megawatt of power** to your facility 24 hours a day, 7 days a week, 365 days a year.

The system is ETL certified to UL 9540 and operates either in sync with the grid or independently of it, giving plant managers the flexibility to generate power on-site during utility outages, to avoid storms and severe weather events, when utilities experience peak demand, when energy prices are high, and any other time it is needed.

The R3Di[®]'s dual-isolation transformers provide clean, conditioned power to all connected loads, ensuring power-sensitive equipment avoid voltage sags or spikes that can impact production.

Ensure reliability.
Reduce costs.
Reimagine your energy future.

Guaranteeing continuous, uninterrupted power to keep operations running smoothly and guests and tenants comfortable is non-negotiable, but you have a choice in the technology sourced to generate that power.

With greater demand for electricity than ever before, continued increases in renewable sources powering the grid and increased power needs from electric vehicles, the public utility will only grow more stressed over the next 10 years. Virtual Utility[®] is the technology that allows you to ensure reliability, reduce costs and actively manage your energy future.



Real-Time Energy
Management

e2's energy management team unlocks opportunities for energy savings with smarter energy management and behind-the-meter asset optimization. Our team customizes strategies for each customer facility and continually monitors equipment, weather, grid conditions and pricing to respond to real-time market fluctuations to help your facility save on cost and generate economic returns.



Compliance and Environmental Services

Our team provides all testing, indemnification, monitoring and reporting to ensure your system meets emissions standards and complies with environmental regulations throughout its useful life. We can help your team set specific, measurable ESG goals based on industry benchmarks and your facility's assets, and report on your progress.

The R3Di[®] System has the lowest emissions profile available amongst comparable reciprocating engines based on independent third-party review with a globally recognized ESG firm.

On average, our R3Di System[®] **19,322 tons of emissions cradle to gate** compared to traditional battery storage systems.



Now is the time to take a proactive approach to your facility's energy consumption and costs.

Schedule a discovery call today at [e2companies.com](https://www.e2companies.com).

CONTACT US