



We Make Things Work[®] in Manufacturing



Even a short interruption in power can disrupt a manufacturing plant, resulting in loss of production and costly downtime as equipment comes back on-line. Longer power outages due to inclement weather and grid stress are becoming commonplace, causing some manufacturers to lose minutes, even days of production, for example:

- A plastics company loses product, and time, cleaning hardened plastic in the lines
- A stamping plant misses deadlines, causing a delay in the rest of the supply chain
- A production line comes to a halt, causing raw product to expire

What if you had a Virtual Utility[®] providing instantaneous power for your entire facility that could also be used as an alternative to the public grid when needed, ensuring production, 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 backup and proactive energy management.

This provides numerous benefits for manufacturers, including:

- **Ensuring seamless reliability** and resiliency to keep your production lines running
- **Protecting sensitive equipment** through dual inverters and uninterruptible power system
- **Proactive energy management** and asset optimization to control energy costs
- **Lower fuel costs** as compared to traditional diesel backup generation
- **Maximizing uptime**, allowing you to focus on production output
- **The potential to take advantage of Inflation Reduction Act (IRA) and National Electric Vehicle Infrastructure (NEVI) tax incentives** up to 40% 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 (SROI)

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 plant 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 your facility to protect your products 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 power grid will only grow more stressed over the next 10 years.

Virtual Utility[®] is the technology that allows you to ensure reliability, **reduce costs and to 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 money 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.

Our R3Di System[®] **saves 19,322 tons of emissions over its lifetime** compared to battery storage systems, a net present value of **\$645,695**

(third-party verified).

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.

CONTACT US

