

PIONEERING BREAKTHROUGH LOW-COST, MULTI-DAY STORAGE

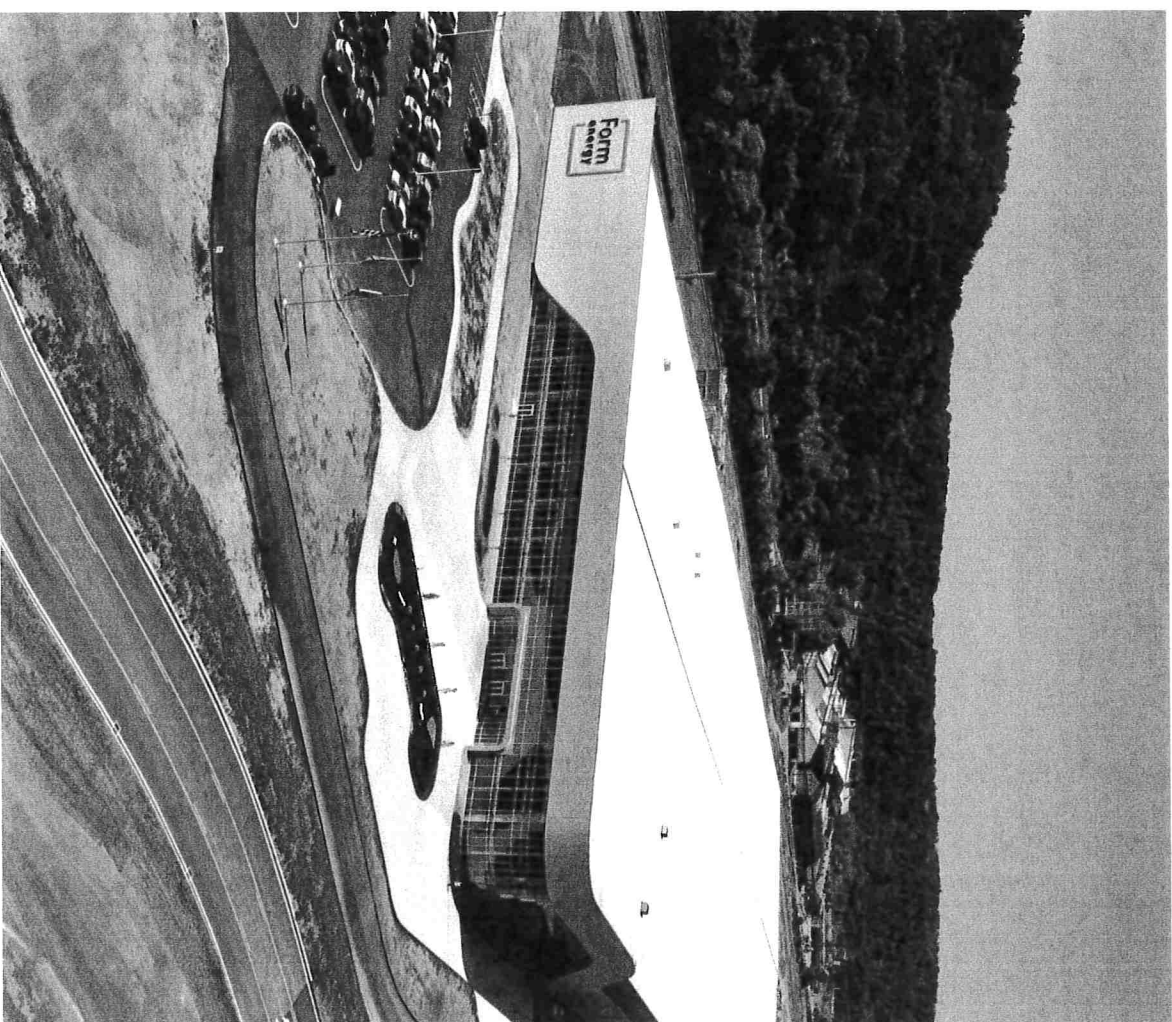
Town of Rotterdam

Form Energy Intro

4/22/2026

Form
energy

Energy Storage
For A Better World



Form Energy at a glance

- American company founded in 2017
- Developing, manufacturing, and commercializing a 100-hour, iron-air rechargeable battery in the United States
- Enabling a reliable, cost-effective, and stable electric grid
- Employing ~1,000 people
- Announced partnerships with leading utilities and entities on >14 GWh of projects
- Operating ~200,000 ft² of R&D, engineering, and testing facilities in Somerville (MA), Berkeley (CA), and Weirton (WV)
- Completed construction of ~500,000 ft² manufacturing facility in Weirton, WV

150k ft²
Somerville, MA
250+ employees

~1,000
Employees

550k ft²
Weirton, WV
400+ employees

87k ft²
Bay Area, CA
200+ employees

OUR LEADERSHIP

Led by energy storage veterans with decades of cumulative experience and **100s of MWs** of storage deployed

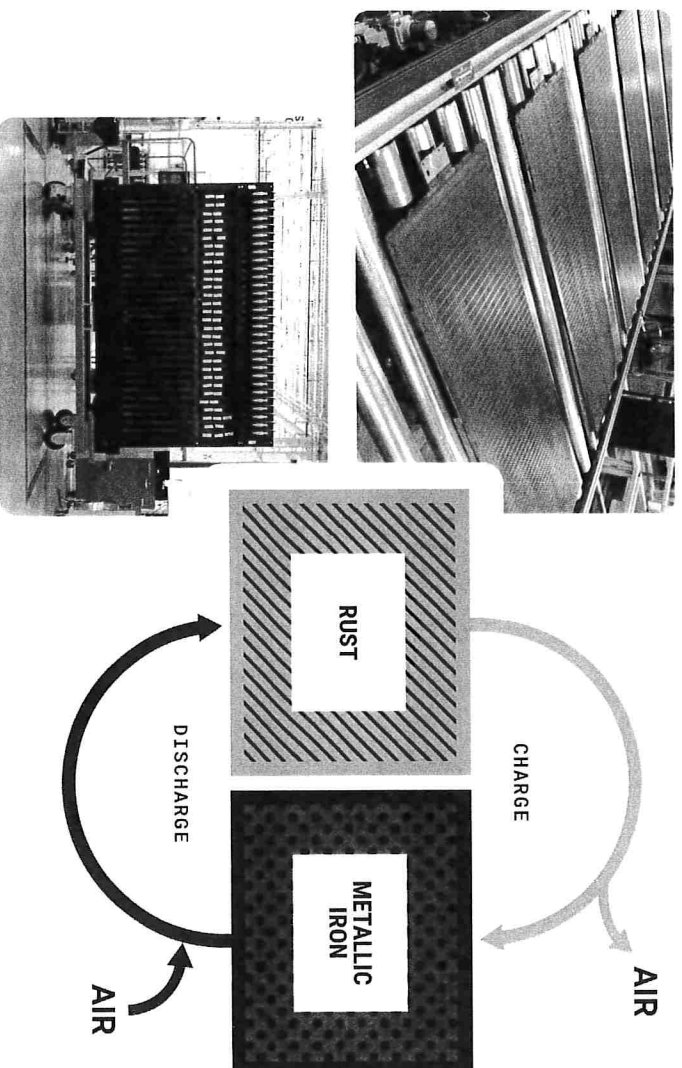


OUR INVESTORS

\$1.2B+ in venture capital from long-term, impact-oriented investors

Technology overview: Rechargeable iron-air batteries

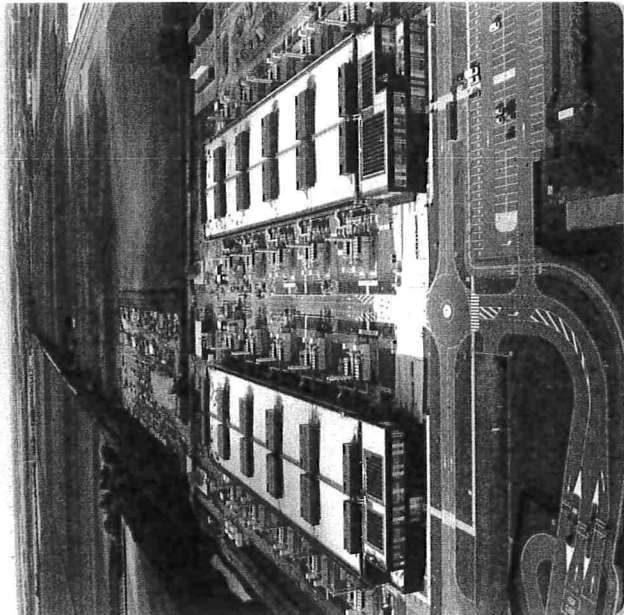
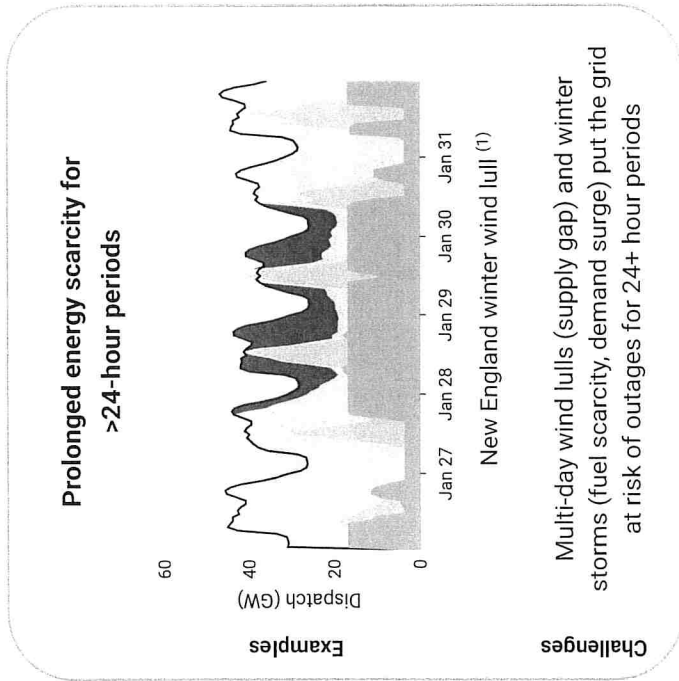
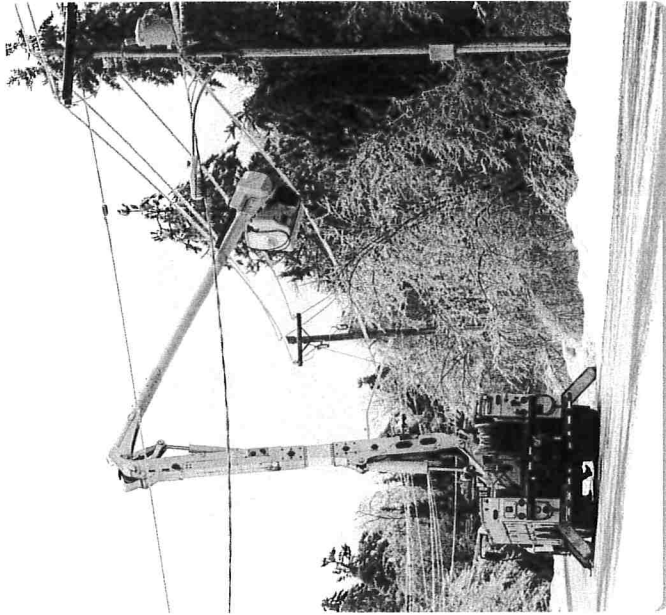
Reversible rusting



Technology benefits

- **SAFE**
No thermal runaway (unlike li-ion), non-flammable aqueous electrolyte
- **AFFORDABLE**
Lowest cost rechargeable battery chemistry, with a chemistry entitlement of <\$1.00/kWh
- **SCALABLE**
Iron is the most globally abundant metal, easily scalable to meet TW demand for storage
- **DURABLE**
Iron electrode durability proven through decades of life and 1000's of cycles (Fe-Ni)

The Challenge: Grid reliability, safety, affordability and security are at risk



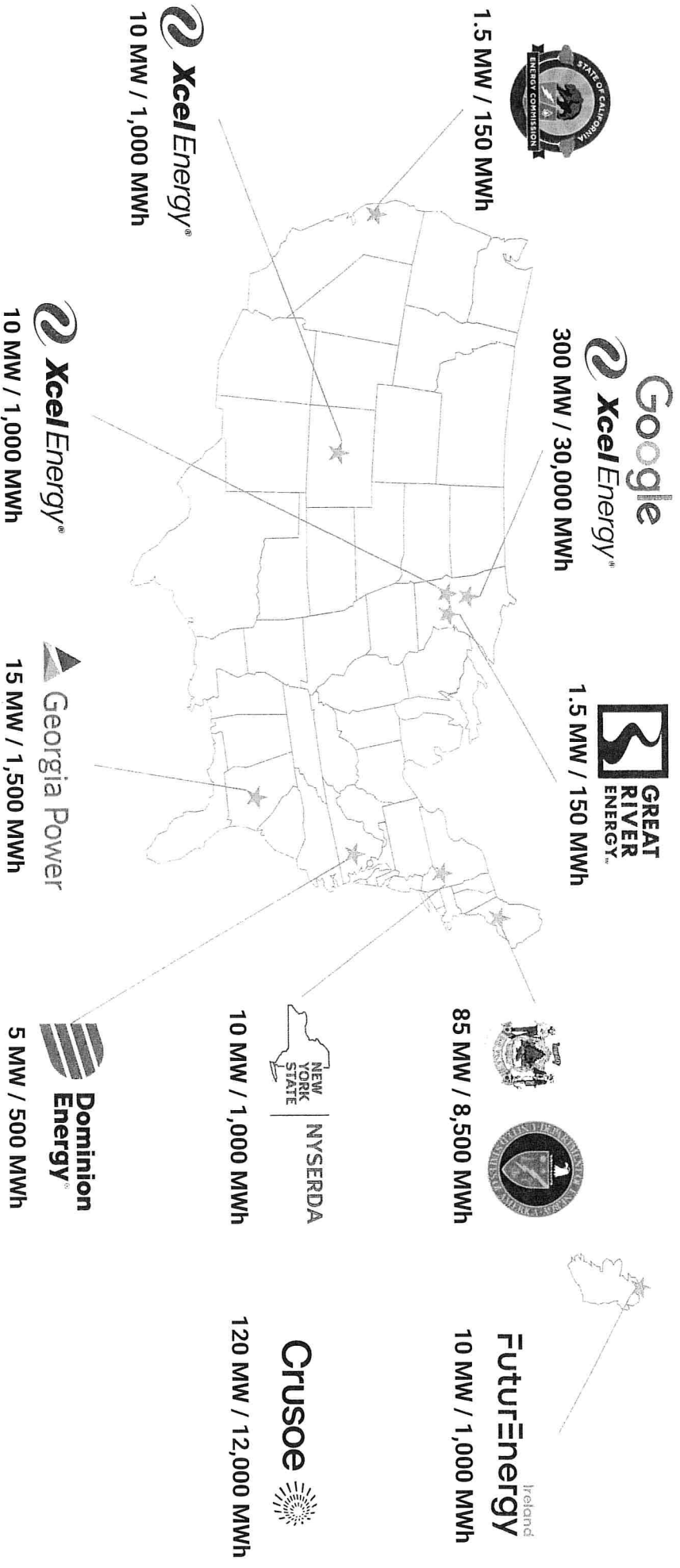
Exponential increase in load growth

Growing share of weather-dependent resources

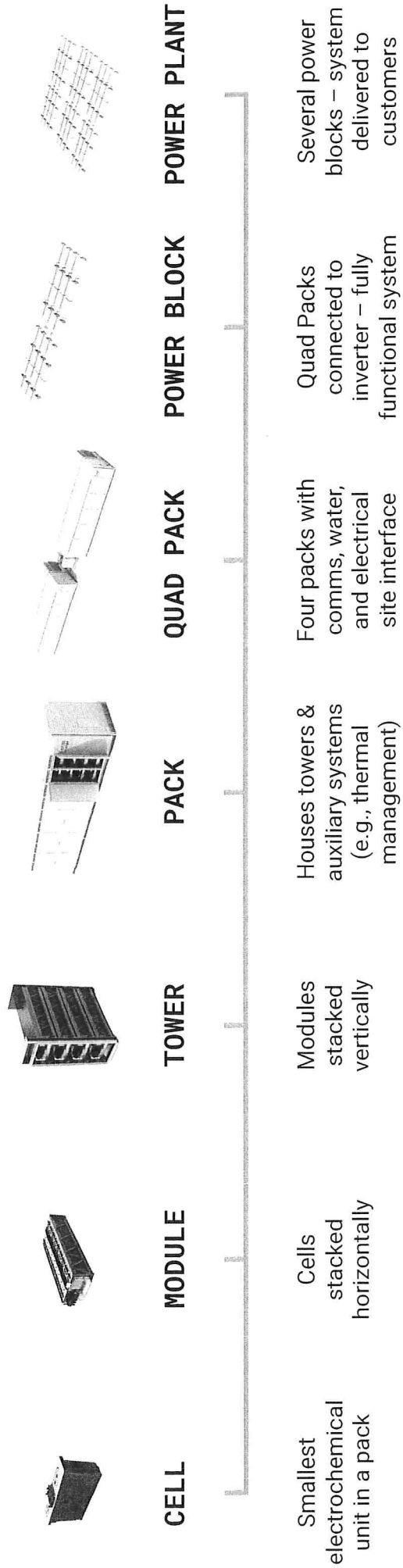
Record number of billion-dollar storms

— Load □ Coal & Gas □ Solar □ Wind ■ Energy shortfall

Over 56 GWh of announced deployments and agreements across the United States and internationally

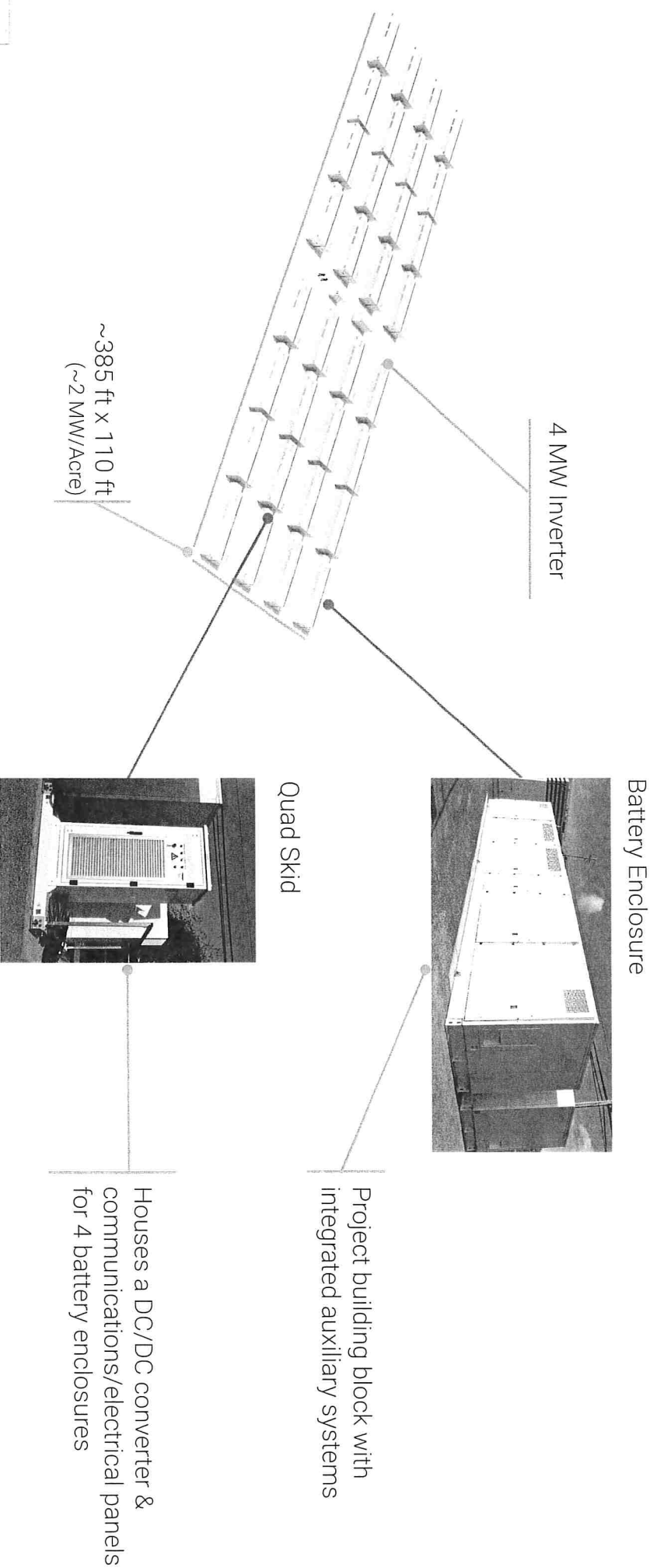


Made-in-U.S., modular and scalable system deployable anywhere



Form's multi-day storage is modular, scalable, & can be sited anywhere

2.5 MW Power Block deployed with industry standard approach for power systems



Form Energy's iron-air battery uses a safe & stable chemistry, designed & tested to meet industry safety standards

Key Fire Safety Features

NO THERMAL RUNAWAY DEMONSTRATED

UL9540A testing of 6 severe conditions for full-scale cell did not result in uncontrolled heating, dendrite formation, fire, or thermal runaway.

SAFE COMPONENTS

Water-based electrolyte (natural fire deterrent).
Non-flammable materials.

STABLE REACTIONS

No dendrite formation.
Controllable discharge reaction.

Key System Standards & Design

Target Certifications

- Battery: NRTL certified to UL 1973
- ESS: NRTL certified to UL 9540; UL 9540A tested
- Inverter: IEEE 1547; UL 1741

Design Safety Codes & Standards

- Installation: NFPA 855
- Electric: NFPA 70 (NEC)
- Fire/Building: NFPA 1; IBC-2021, IFC-2021

System Safety Design

- Monitoring, detection, alarms at BMS
- Redundant fault detection & mitigation
- Containment at cell, module, & system
- Exhaust system coupled to modules & enclosure

Project Overview

Proposed Site: GE Vernova Schenectady Manufacturing Facility

- **Location:** Parcel 38.-4-4.1 within GE Vernova's (GEV) Schenectady Manufacturing Facility
- **Footprint:** <10 acres
- **Ownership:** Form Energy
- **Utility Connection:** Interconnects at 13kV side of GEV substation, behind GEV meter
- **Water Use:** Estimated to use about the same amount of water as 16 US households from an existing city water connection

Site Map and Conceptual Layout



Project Partners and Benefits

- **Local Innovation Leadership:** Reinforces historic role of Rotterdam and GE Vernova as a site of global leadership in energy innovation
- **Local Grid Resilience:** Strengthens local and GE Vernova electric grid resilience by supplying the local grid when resources are scarce
- **Preserves Local Community Character:** Utilizes vacant land at GE Vernova's existing industrial facility
- **State Supported:** Funded in part by a competitive \$12M NYSERDA grant to demonstrate the ability of iron-air batteries to lower electric grid costs, improve grid reliability, and support NY clean energy goals

Project Partners



NYSERDA



GE VERNOVA