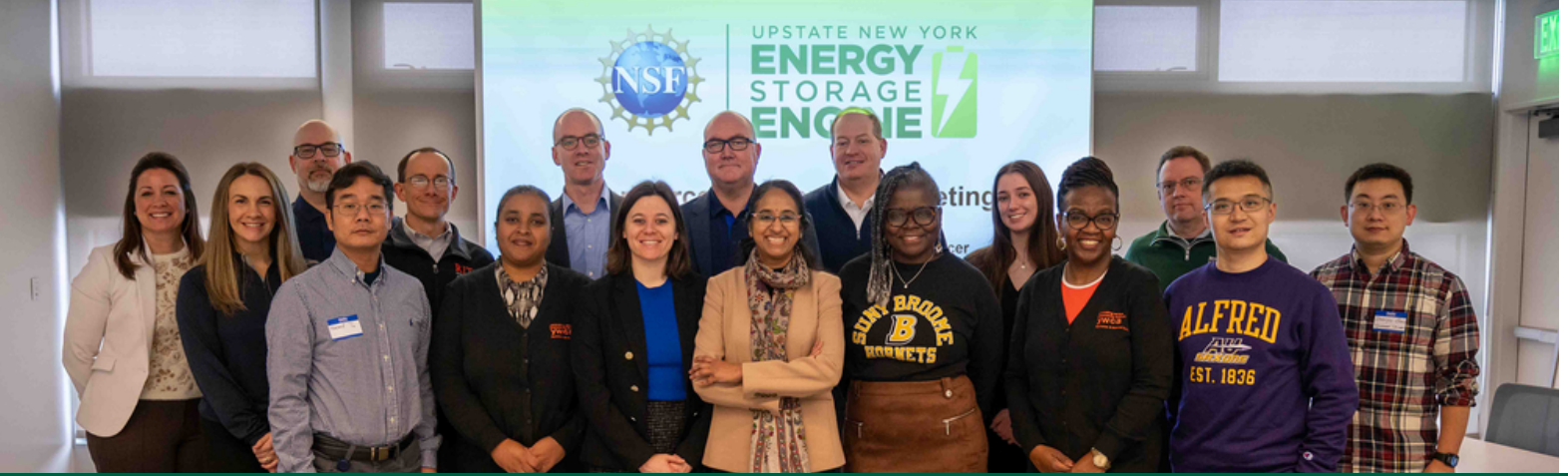




Transforming Upstate New York into America's Battery Tech Capital

Batteries for America by America

BATTERIES ARE:

The Backbone of Modern Life

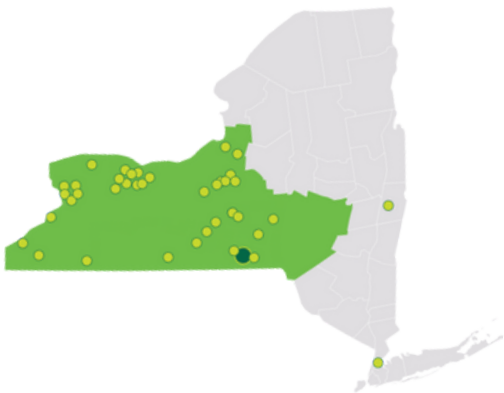
- Consumer electronics
- Transportation and mobility
- Medical devices
- Data centers
- Electric grids

Essential for National Security

- Fighter jets and drones
- Radios and tactical gear
- Naval vessels and submarines
- Microgrids supporting military base resilience

Essential for Economic Security

- \$17B U.S. battery market expected to grow fivefold
- 3.5M U.S. jobs projected in the next decade



Energy Storage Engine in Upstate NY

Linking research, entrepreneurship, manufacturing, and education to build a sustained innovation ecosystem to:

- Reduce U.S. dependence on foreign battery supply chains
- Power homes, schools, and hospitals with safer reliable energy
- Strengthen national security
- Fuel long-term economic growth in Upstate New York

Funded by the National Science Foundation's Regional Innovation Engines Program and by the New York State Empire State Development, the Energy Storage is

Led by:

BINGHAMTON
UNIVERSITY
STATE UNIVERSITY OF NEW YORK

Core Partners

- Cornell University
- Syracuse University
- Rochester Institute of Technology
- Griffiss Institute
- NY-Best
- Launch-NY



Upstate New York is solving the toughest Energy Storage Challenges

AT SCALE, SPEED, COST, AND QUALITY



Research & Development

Enabling industry-academia coalitions to accelerate U.S.-based battery innovation



Entrepreneurship & Growth

Helping startups expand faster by providing access to testbeds, customers, investors, and corporate partners



Workforce & Training

Investing in the next generation of scientists and engineers to meet the needs of local employers



Testbeds & Infrastructure

Unparalleled networked testbeds and infrastructure resources for prototyping, development, characterization and testing

BIG IDEAS LOCAL IMPACT

27

Upstate New York counties served

60+

Partners

\$4M+

Investments in R&D and Technology Translation

15+

Startups supported

\$1.5M

in education and training grants

275+

Learners served

175+

New battery industry jobs in Upstate NY, including at BAE Systems, Toyota Material Handling, and ElectroVaya

Our Focus



SAFETY



SUSTAINABLE
MANUFACTURING



POWER
ENGINEERING



AI
INTEGRATION



Get Plugged In

UpstateNYEngine.org



nsfengine@binghamton.edu

