

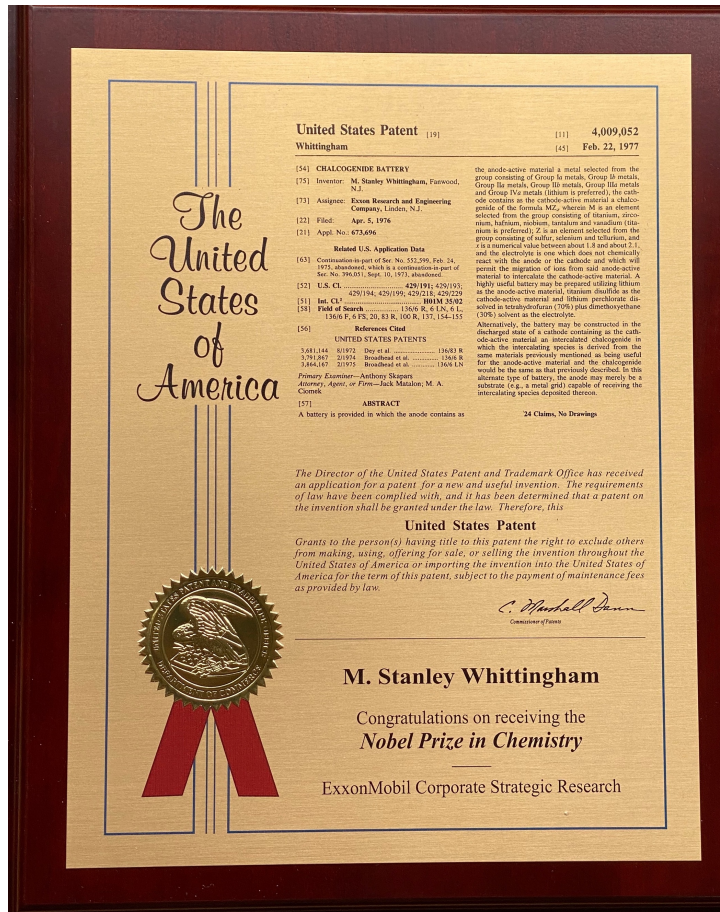
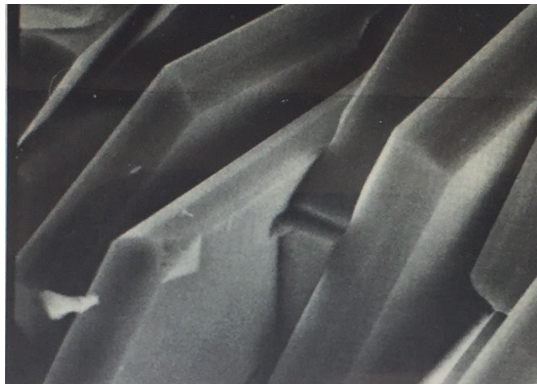


A set of initiatives led by Binghamton University for New York to become the leading national ecosystem for battery and energy storage development and deployment.

America's Battery Tech Hub



Many thanks are due to Esso for initiating Li rechargeable 50 Years 1972-2022



48 years old - still working



EV Show Chicago, 1977

Originally Commercialized in the United States

LFP by A123



8 MW Binghamton, NY, 2009
AES – now In Puerto Rico

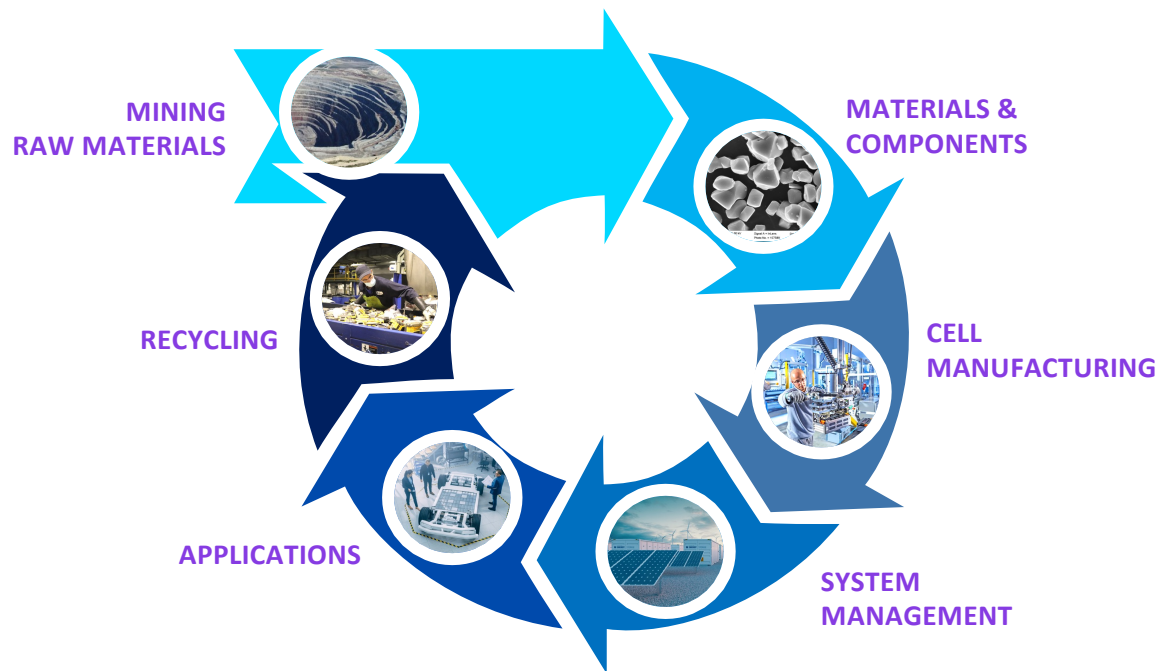


Module from BAE Systems, 2005
Hybrid Bus

What is the Upstate New York Energy Storage Ecosystem?

Mission: Building Batteries in America by Americans

Our Ecosystem (Hub) will address all parts of the battery economy



The New York State Ecosystem has:

The **top academic institutions** to develop the knowledge base.

The **NSF Engines** has identified technology gaps, and is providing **R&D** funding to industry/academia partnerships to leapfrog today's Asian technology and translate discoveries to commercial viability.

The **EDA BBBRC and NYS** are funding the construction of the **15,000 sf Battery-NY dry-room** prototyping facility (unique in the US). The **EDA Hub and NYS** will ensure future sustainability of the ecosystem

Both NSF and EDA are funding complementary parts of the **workforce** that will allow the ecosystem to flourish, and build-back the UpState NY economy. In addition, they are training the next generation of **entrepreneurs**.

NENY partners are helping with the supply chain, infrastructure, people, supplies and funding

Industry partners are collaborating from materials companies to end users

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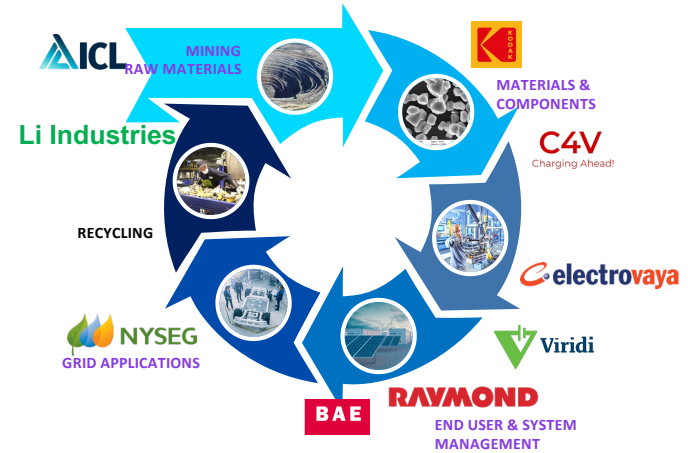
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Some of our present partners



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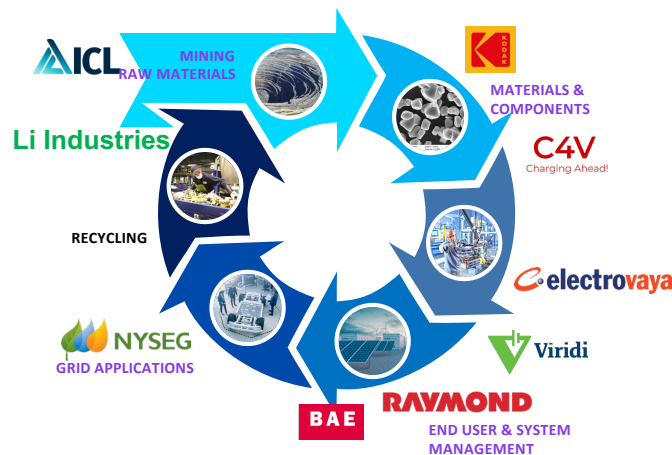
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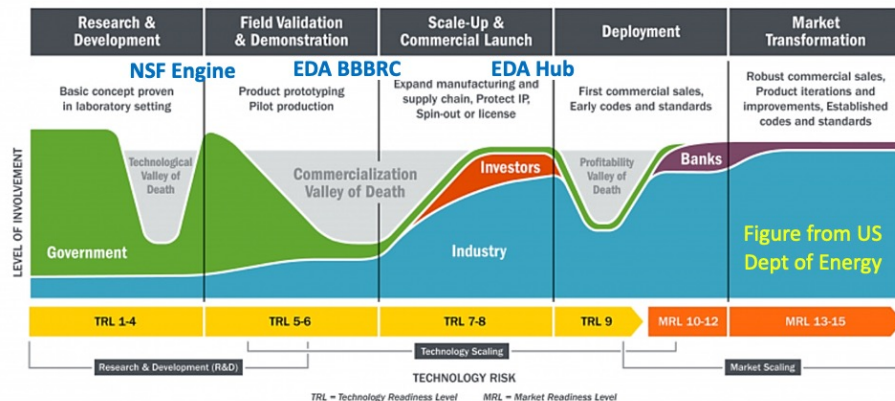
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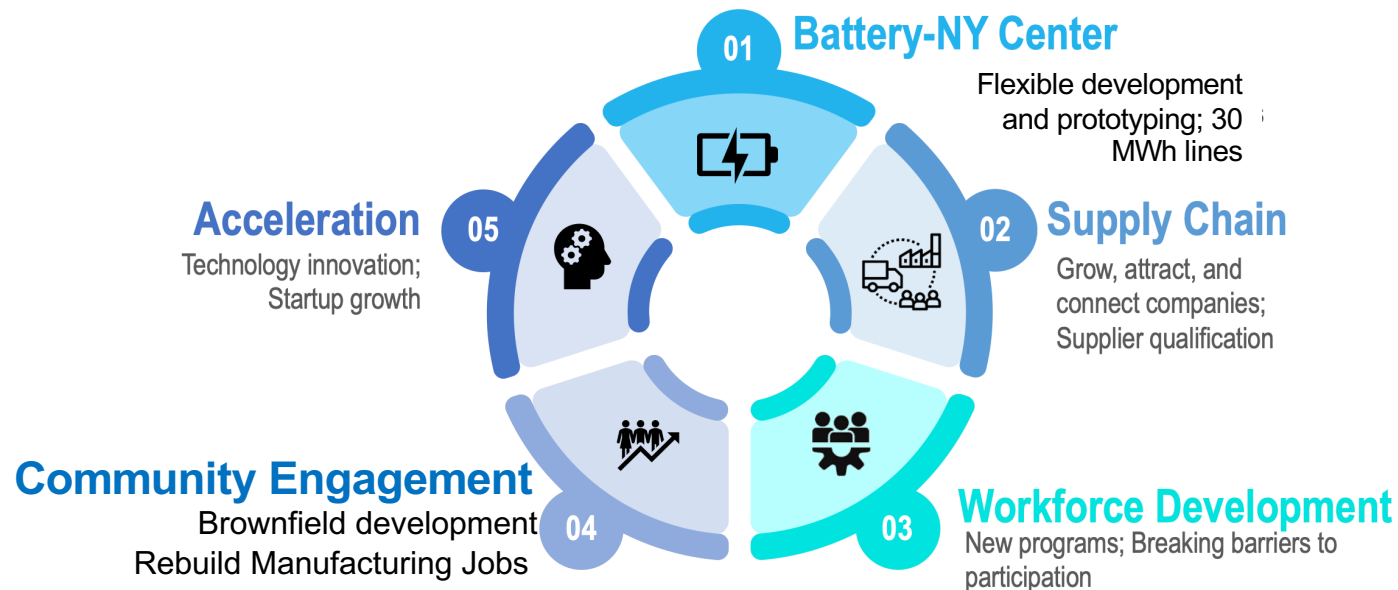


The Ecosystem will overcome the Valleys of Death



EDA BBBRC Award addresses challenges in the Energy Storage Ecosystem

New Energy NY Projects to Build the Ecosystem



Battery-NY Prototyping and Commercialization Center

This facility, funded by EDA BBBRC and NYS-ESD, in Johnson City, NY:

- **Home of the Battery-NY facility**
 - 30 MWh lines
 - Unique in the USA
 - Leadership team on board
- **Enhance National Security**
- **Improve Grid Reliability/Resiliency**
- **Improve Health of All**
- **Enhance the Workforce**

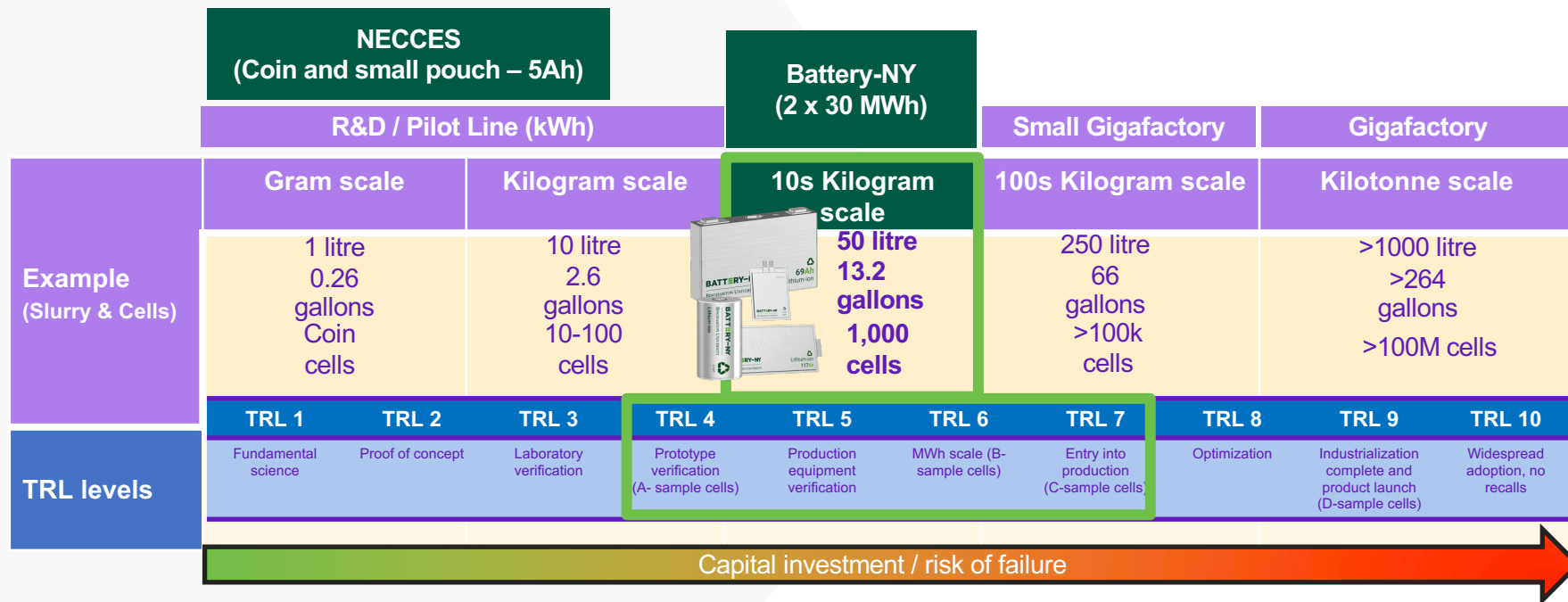


Opening for full cell production in Summer 2026
Today RIT and BU can do small runs and safety testing

Mission: Building Batteries in America by Americans

The facility is presently supported by the EDA BBBRC and by New York State ESD. Our plan is to house the energy storage ecosystem in the building with support from the EDA Hub, NSF Engines and NYS

Where Battery-NY makes a difference



Our Team



Stanley Whittingham
Nobel Laureate in Chemistry
Director, NECCES
Founding Director Battery-NY



Paul Malliband
Executive Director



Kandace Tredo
Executive Assistant to Directors
of NECCES and Battery-NY



Warren Brower
Industry Liaison Manager

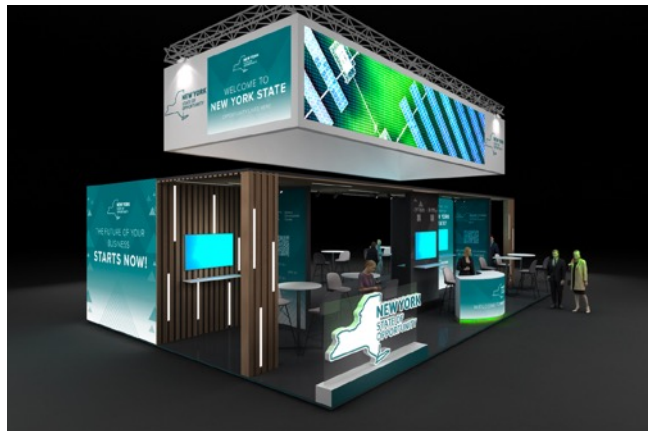


Michael Fabian
Facilities Manager

New York State Pavilion June 3-5, Stuttgart

THE BATTERY SHOW EUROPE

- 17-member delegation
- NYS-ESD, NYSEDA, NENY, BATTERY-NY, RIT plus five companies
- ~\$150K in co-funding



20,702

ATTENDEES

1,100+

SUPPLIERS

52+

HOURS OF CONFERENCE &
EXPO EDUCATION

190,000

SHOW FLOOR
SQUARE METRES

