

Introducing Ascend Elements

Roger Lin

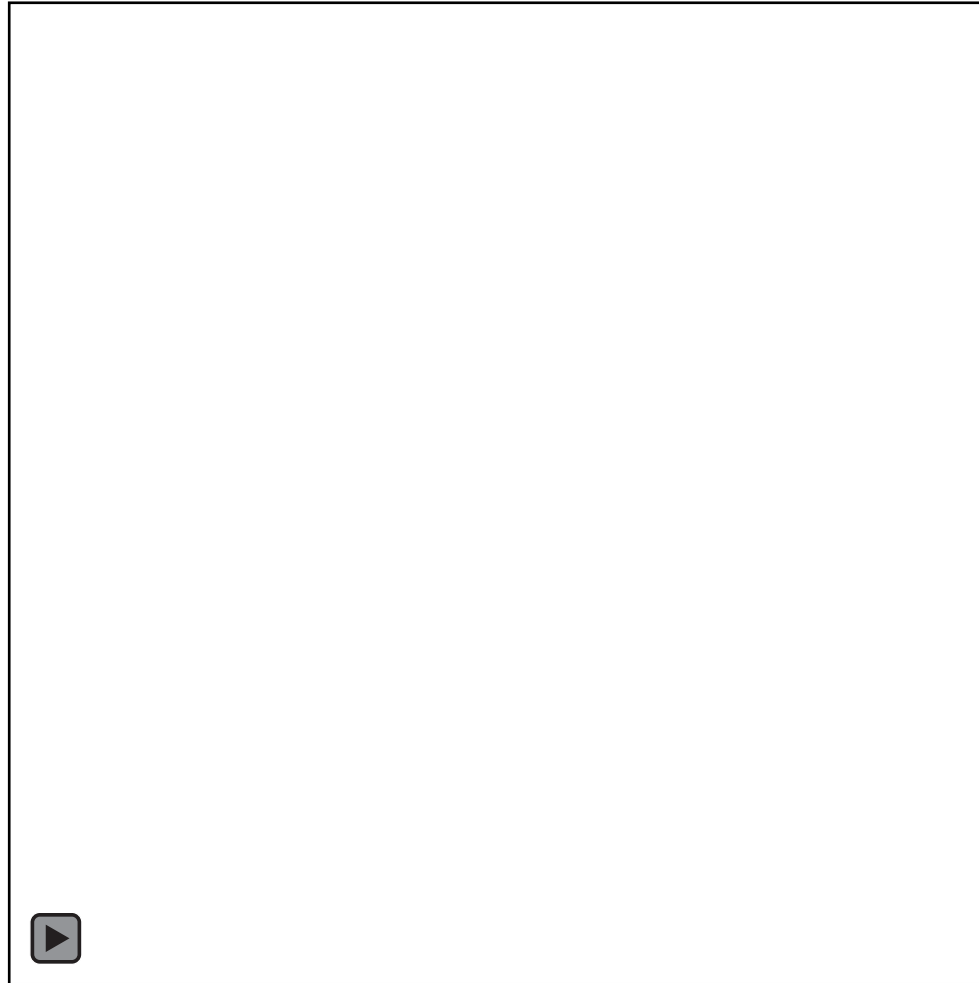
Vice President, Global Marketing & Government Relations

NAATBatt Annual Meeting

Feb 9 2022



Battery Resourcers is now Ascend Elements



What we do

Not just recycling. Transforming old discarded batteries into...



NMC cathode



..new, custom, high
performance active
materials.



ASCEND
ELEMENTS

FAST COMPANY

01-10-22 | WORLD CHANGING IDEAS

The largest battery recycling plant in North America is about to open

It's just one part of a shift to domestic battery production—and a way to mitigate the bad side effects from mining the minerals needed to electrify the economy.



S&P Global
Platts

Battery Resourcers, Honda enter EV battery recycling deal



Home // Local Coverage // Environment



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Mass. startup transforms old electric car batteries into better-than-new ones

January 25, 2022

By [Bruce Gellerman](#)



News & Insights > Ascend Elements to Produce Premium Cathode Active Materials for Navitas Systems

Ascend Elements to Produce Premium Cathode Active Materials for Navitas Systems

Federal contractor Navitas Systems is purchasing cathode active materials made from recycled lithium-ion batteries and scrap for a U.S. Department of Defense project



North America Operations

Novi, MI – Cathode Sintering and Battery Lab

- ⚙️ Cathode NMC production
- ⚡ 12,000kg/year
- ⬆️ NMC cathode
- ★ Operational
- 🏠 6,300 sq ft



Covington, GA – Commercial Scale Recycling Base 1

- ⚙️ Shredding and metal extraction
- ⚡ 30,000 metric tons/year Li-ion battery capacity
- ⬆️ Black mass, cobalt, nickel, lithium
- ★ Operational H1 2022
- 🏠 154,000 sq ft



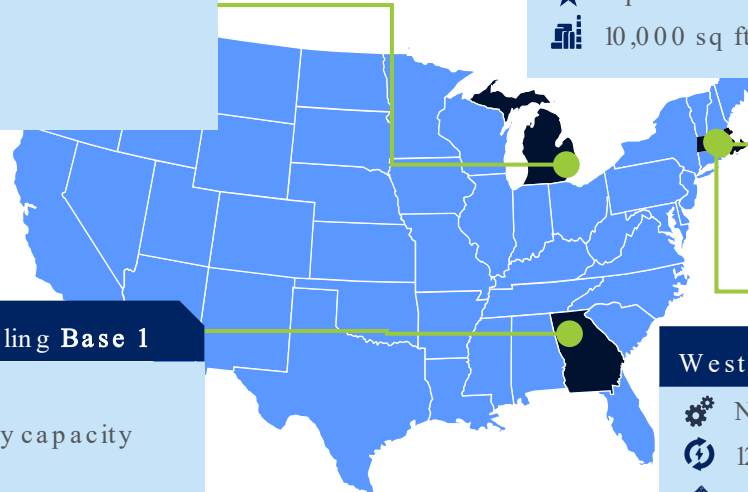
Worcester, MA – Pilot Shredding

- ⚙️ Disassembly, discharge and shredding
- ⚡ 600 metric tons/year Li-ion battery capacity
- ⬆️ Black mass, Cu, Al, plastics
- ★ Operational
- 🏠 10,000 sq ft



Westborough, MA – HQ and Cathode Precursor

- ⚙️ NMC precursor production
- ⚡ 12,000kg/year
- ⬆️ NMC cathode precursor
- ★ Operational
- 🏠 16,000 sq ft



Introducing the Apex-class facility

Transforming scrap batteries into the highest value using **Hydro-to-Cathode™** technology



