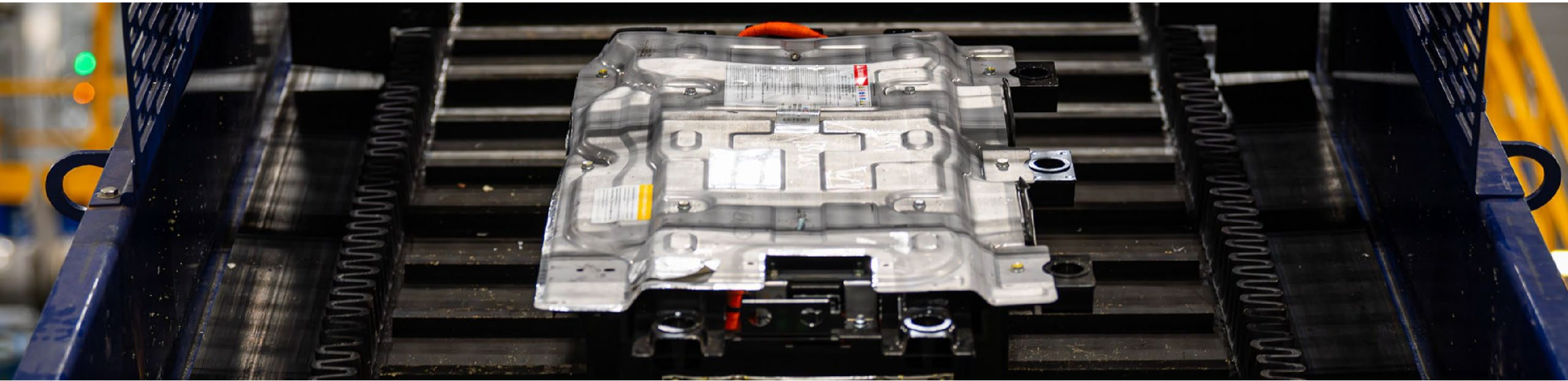


Company Overview



NASDAQ: ABAT



American Battery Technology Company

www.americanbatterytechnologycompany.com

FORWARD-LOOKING STATEMENT

This presentation contains "forward-looking statements" within the meaning of the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical fact, are "forward-looking statements." Although the American Battery Technology Company's (the "Company") management believes that such forward-looking statements are reasonable, it cannot guarantee that such expectations are, or will be, correct. Forward looking statements include, among other things, statements concerning: offtake agreements with customers; the Company's future sales of products to customers, including the amounts, timing, and types of products included within those sales; potential loans, grants, and debt financing arrangements, including due diligence, the amount and type of debt, its syndication, and the schedule for closing; the scale of the battery recycling operations; the anticipated production from the integrated pilot facility; the scale, construction, and operation of the battery recycling operations, integrated pilot facility, Tonopah Flats Lithium Project, and commercial lithium mine and refinery; and the costs, schedules, production and economic projections associated with the foregoing. These forward-looking statements involve a number of risks and uncertainties, which could cause the Company's future results to differ materially from those anticipated. Potential risks and uncertainties include, among others, risks and uncertainties related to the Company's ability to continue as a going concern; interpretations or reinterpretations of geologic information, unfavorable exploration results, inability to obtain permits required for future exploration, development or production, general economic conditions and conditions affecting the industries in which the Company operates; the uncertainty of regulatory requirements and approvals; fluctuating mineral and commodity prices, final investment approval and the ability to obtain necessary financing on acceptable terms or at all. Additional information regarding the factors that may cause actual results to differ materially from these forward-looking statements is available in the Company's filings with the Securities and Exchange Commission, including the Annual Report on Form 10-K for the year ended June 30, 2025. The Company assumes no obligation to update any of the information contained or referenced in this press release.



CHALLENGES TO NORTH AMERICAN BATTERY SUPPLY CHAIN

① Security of Supply

<1%

OF GLOBAL BATTERY MATERIALS PRODUCED BY USA

Less than 1% of the global manufacturing capacity of each of the primary battery metals (lithium, nickel, cobalt, and manganese) is currently within the US.

② Cost of Supply



COST OF BATTERY MINERALS HAS SOARED ALONGSIDE SUPPLY SCARCITY

The cost of manufacturing and importing these battery metals has grown rapidly over recent years as demand has grown at a far faster pace than new supply can enter the market.

③ Environmental Impact of Supply



MANY CONVENTIONAL RECYCLING AND MINING PRACTICES ARE HARMFUL TO THE ENVIRONMENT

The mining and recycling of these battery metals through conventional techniques can result in the emission of large amounts of greenhouse gases, criteria pollutants, and contaminated water and soil.



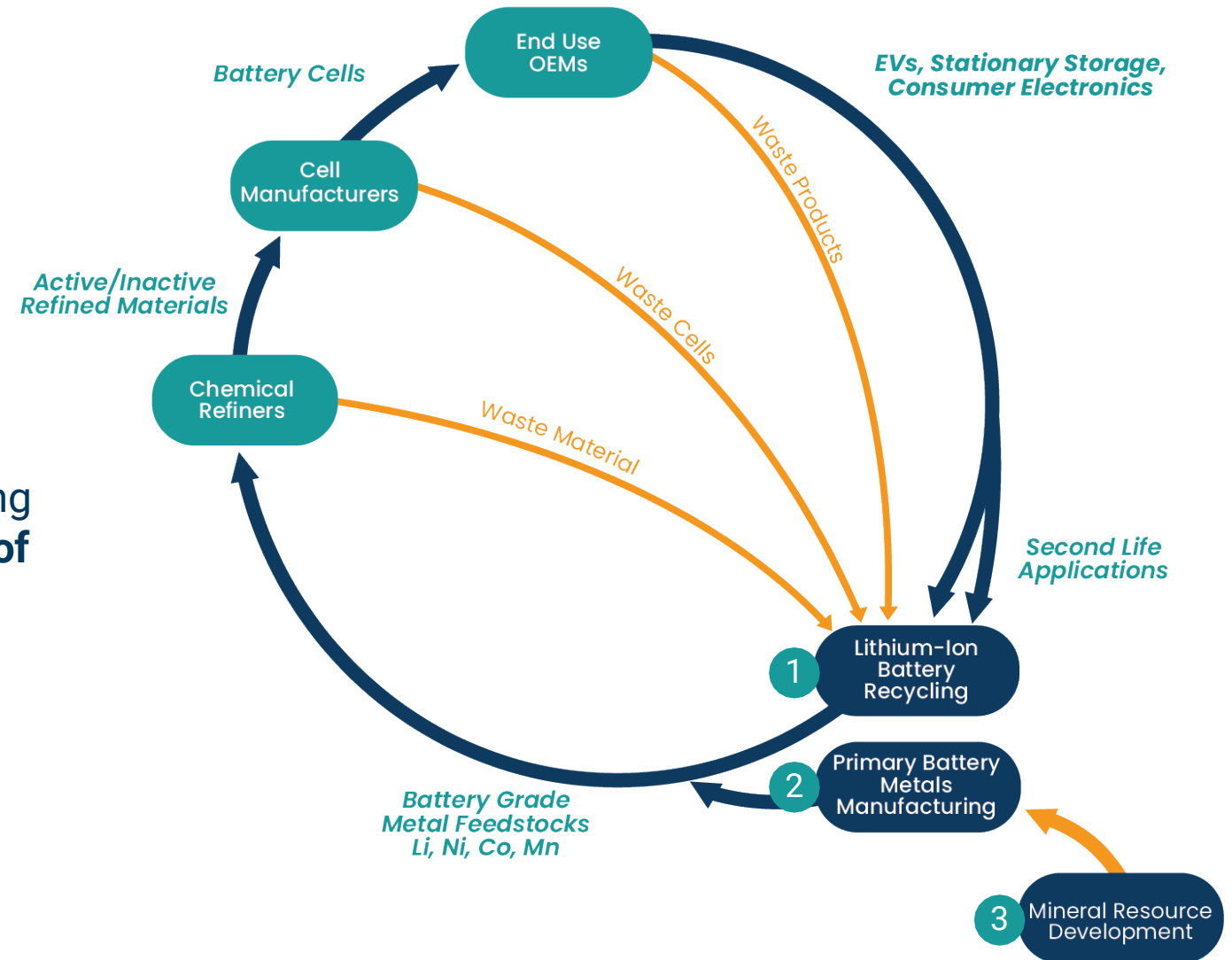
THE SOLUTION: CIRCULAR AND DOMESTIC BATTERY MATERIALS SUPPLY CHAIN



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- 1 A robust and **cost-competitive battery recycling industry** can *close-the-loop* and make a meaningful impact on near-term domestic supply
- 2 However, recycling alone cannot meet growing demand, therefore **domestic manufacturing of primary battery metals** needs to be ramped rapidly to *fill-the-loop* with low-cost and low environmental impact material
- 3 In addition to manufacturing primary battery metals, **domestic mineral resources need to be developed** in order to supply the primary feed for these facilities



OUR UNIQUE VALUE PROPOSITION



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Commercial Battery Recycling Facility

Dual Sources
of Potential
Offtake
Supply



Tonopah Flats Lithium Project

Lithium-Ion Battery Recycling

- » Internally Developed Lithium-Ion Battery Recycling Technology
- » Capacity of 20,000 MT Input/Year
- » Products Made Specifically to Rigorous Battery Grade Specifications



In-House R&D
Leveraging new technologies for both primary and secondary battery materials

Mineral Resource and Refinery

- » Lithium Resource of >21 Mt LHM
- » First-of-Kind Extraction Technology from Claystone
- » Located in Highly Favorable Mining Jurisdiction of Nevada

OUR UNIQUE VALUE PROPOSITION



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CEO and other senior members of American Battery Technology Company (ABTC) were previously founding members of Tesla Gigafactory Design team that designed, constructed, and operated first battery gigafactory in the world. Experienced first-hand the challenges of not being able to source domestic battery metals or to have batteries responsibly recycled domestically.

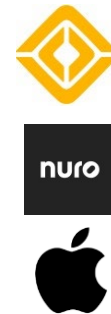
Executive Team



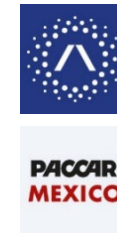
Ryan Melsert
CEO, CTO, and Director



Steven Wu
Chief Operating Officer



Alex Flores
Chief Financial Officer



Independent Directors



Rick Fezell



Susan Yun Lee



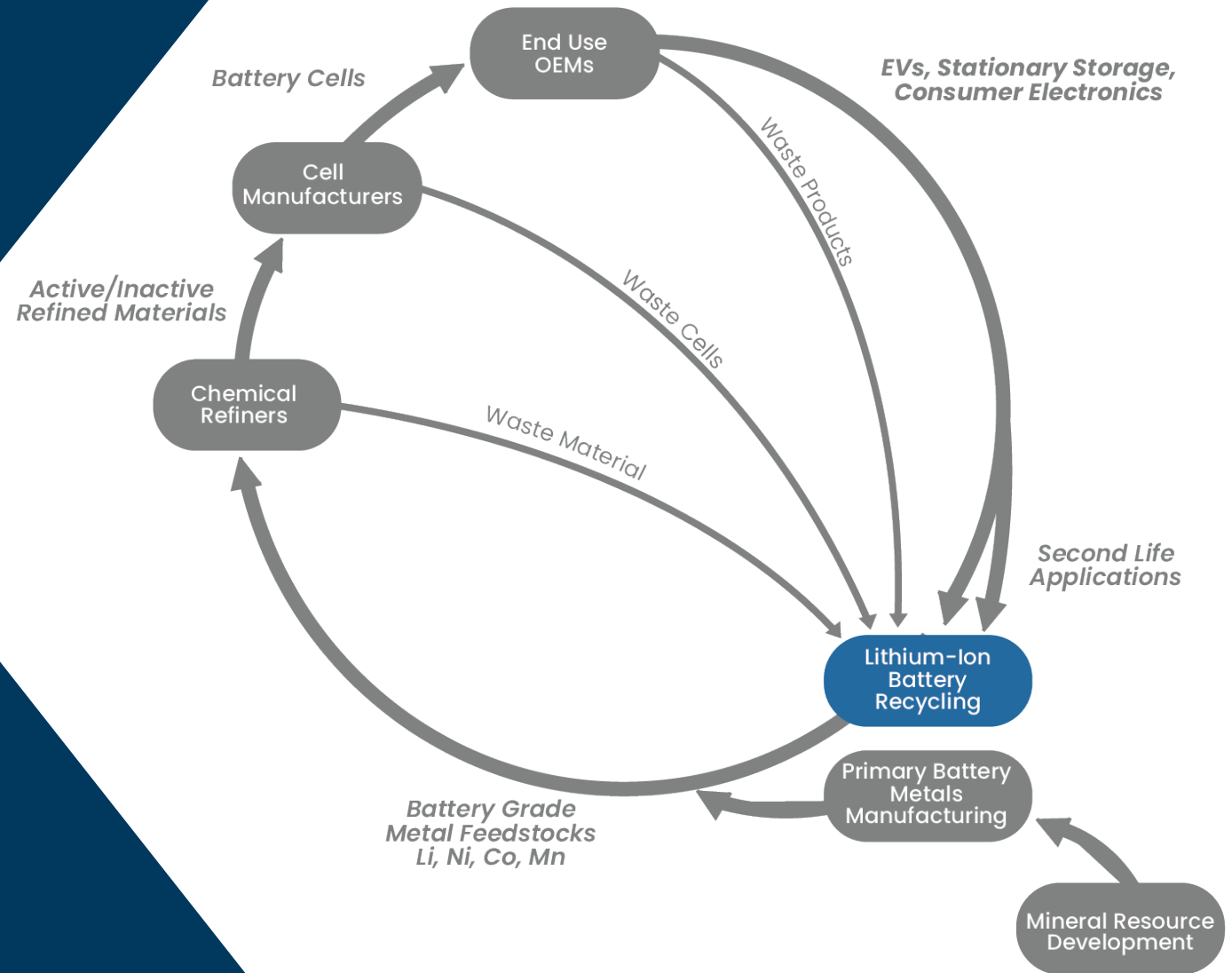
Beth Lowery



Lavanya Balakrishnan

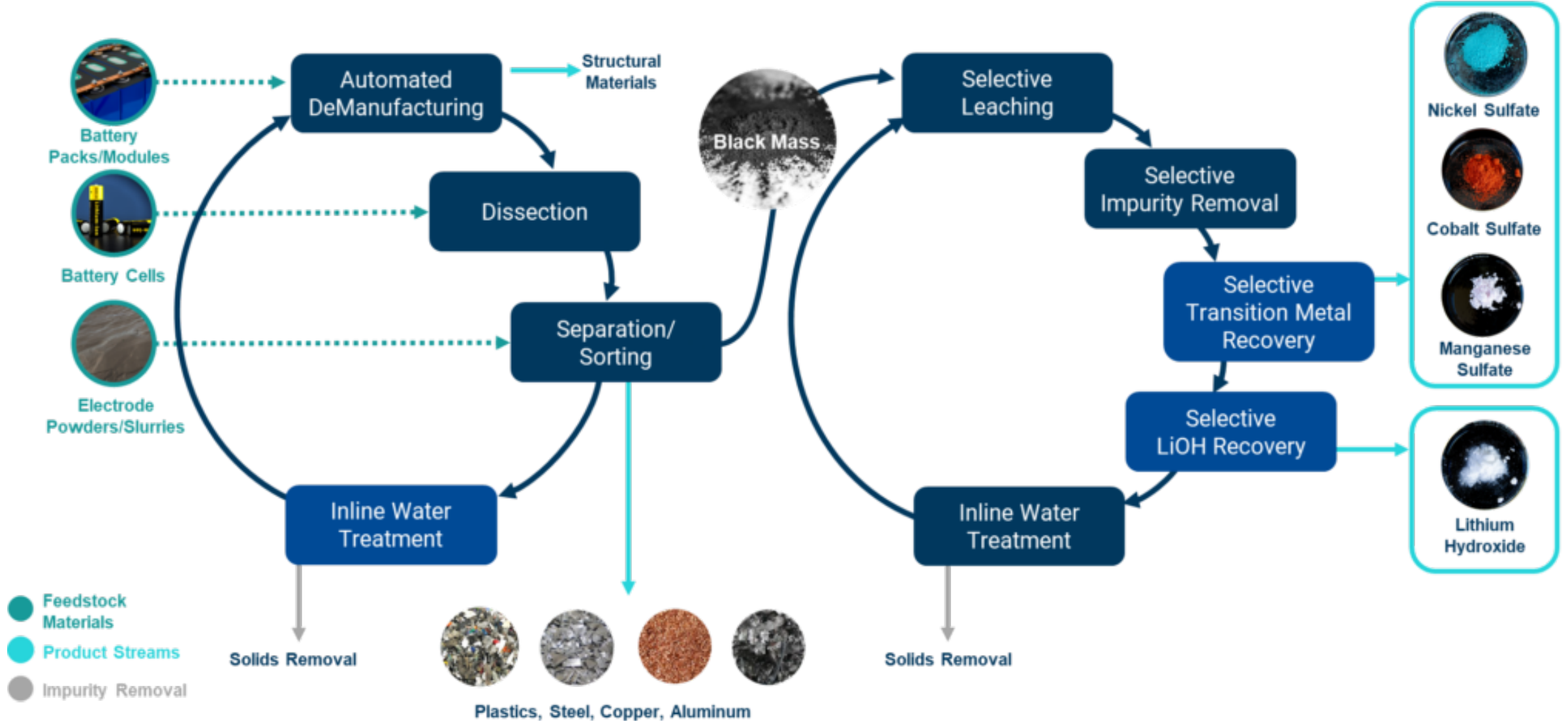


Lithium-Ion Battery Recycling





OUR INTEGRATED BATTERY RECYCLING PROCESS



BTC <--> BASF: CIRCULARITY CHALLENGE



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In 2019, BASF, one of the largest Cathode Manufacturers in North America, hosted a global competition to identify the most promising lithium-ion battery recycling technologies in the world. The winner to receive:

- Entry into BASF accelerator program, hosted by Greentown Labs in Boston, one of the largest clean technology business incubators in the world
- Cash grant and support funds, unlimited access to the BASF wet chemistry development laboratory
- Dedicated contacts within BASF (Cathode R&D, Cathode Manufacturing, Battery Metals Procurement, M&A)

Among ~100 applicants, ABTC was selected as sole winner of Battery Recycling Circularity Challenge



Greentown Labs, Sommerville, MA



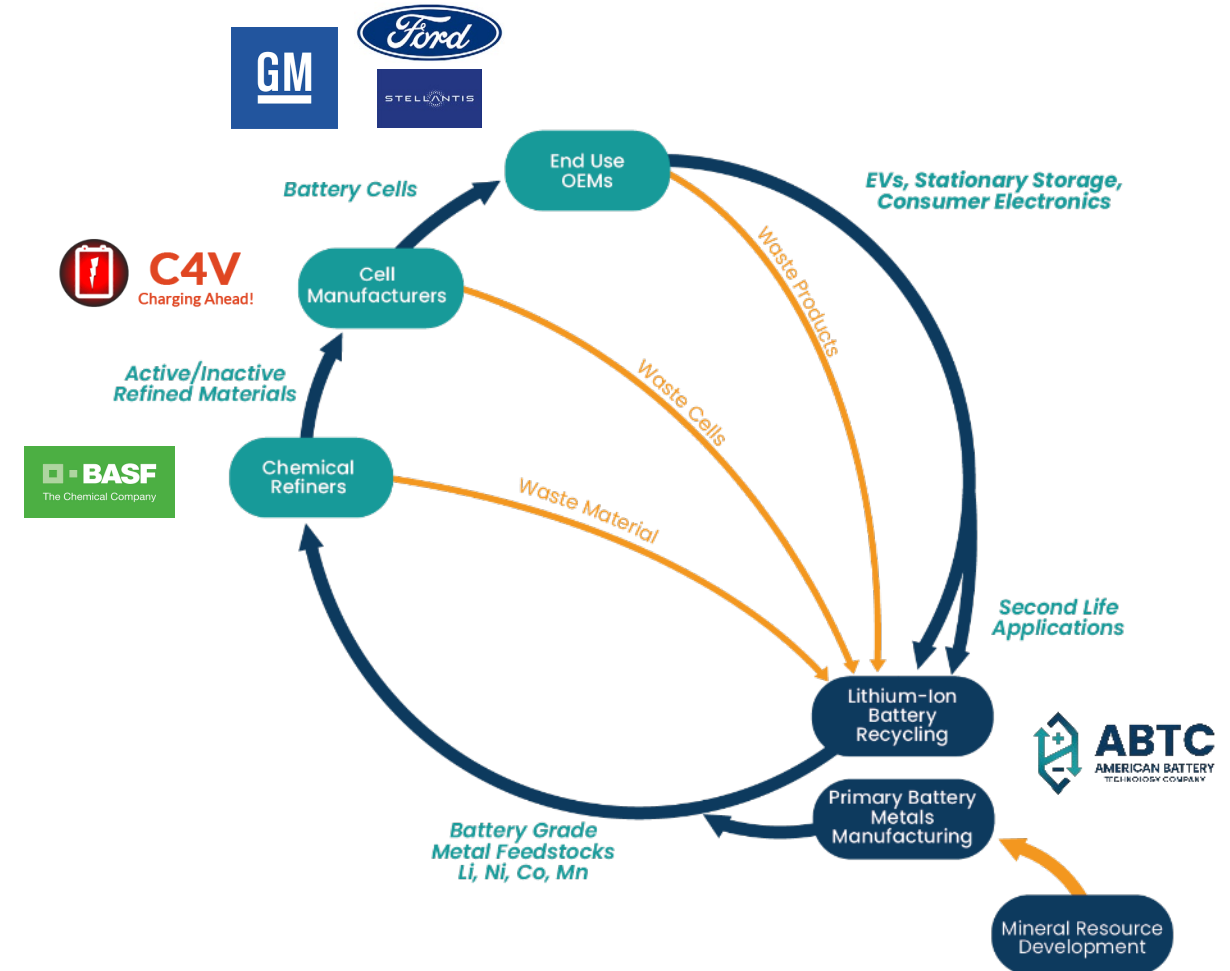
CLOSED-LOOP NORTH AMERICAN BATTERY SUPPLY CHAIN DEMONSTRATION PROJECT



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“The overall objective is to challenge the existing recycling business model and innovate towards a value driven, self-sustaining model for large format lithium-ion batteries.”

- » ABTC and BASF received a **\$2M grant award** from the US Advanced Battery Consortium (Stellantis, Ford, GM, US DOE) to demonstrate a closed loop domestic battery supply chain
- » **Full size automotive batteries recycled**, individual metals recovered and purified, and specifications of battery grade metals validated by partners
- » **High-energy density CAM synthesized** from recycled metals, and performance of recycled-metal sourced CAM validated by partners
- » **Full size multi-layer automotive battery cells manufactured** from recycled-metal sourced CAM, and performance tested and validated by partners





SETTING THE STANDARD IN BATTERY RECYCLING

Operational excellence that prioritizes safety, logistics, efficiency, and proven performance

Proven Supply Chain Performance

- » Landmark commercial demonstration with USABC, DOE, GM, Ford, and Stellantis proves that high-performance, battery-grade materials can be made from recycled content in North America

Award-Winning Technologies

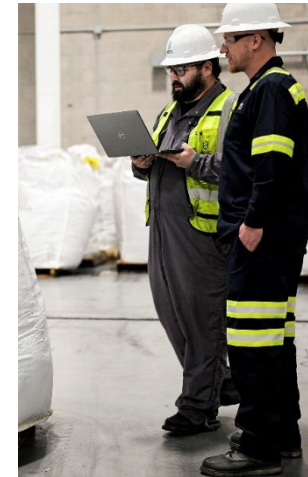
- » Recipient of the Global Voltas Award (Fastmarkets) and CleanTech Breakthrough's "Recycling Technology Solution 2025" honor

Safety & Regulatory Leadership

- » Approved by the EPA under the CERCLA Off-Site Rule, one of the few recyclers in the Western U.S. with this designation
- » Selected for processing end-of-life lithium-ion batteries from the largest EPA Superfund cleanup in history
- » Meets and exceeds stringent regulatory and safety standards, including handling hazardous and damaged materials

Operational Excellence and Streamlined Logistics

- » Expert logistics team ensures efficient and compliant transport and storage
- » Adherence to all standards for safe handling and delivery



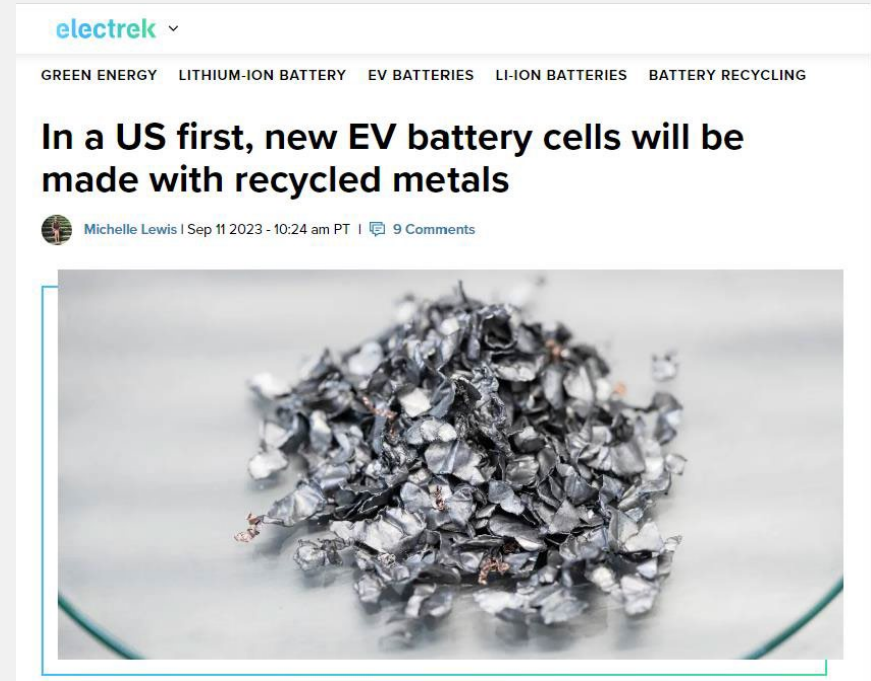
Domestic Closed-Loop Supply Chain Partnership

- » BASF and its customers deliver waste and end-of-life materials to ABTC
- » ABTC recycles battery materials, and delivers recycled metal products to BASF and its suppliers
- » BASF manufactures new active cathode materials from recycled metals
- » Recycle-metal sourced active cathode material sold back to BASF customers in true closed-loop fashion

Partnership commenced in July 2023



From left to right: Thomas Holcombe, Head of BASF NORA; Michael Burdick, Business Manager of Battery Recycling Materials at BASF; Ryan Melsert, CEO of ABTC.

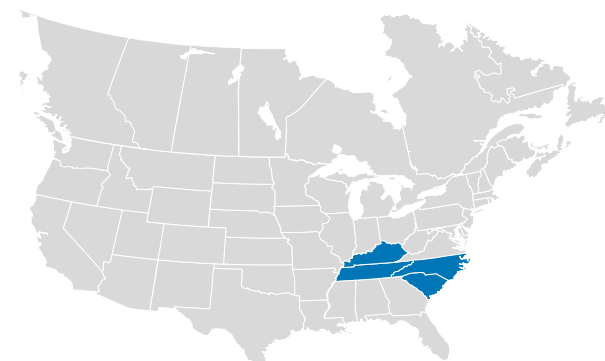


ABTC and BASF enter into Strategic Partnership Agreement to create one of the first closed loop battery material supply chains within North America

GROWING OUR RECYCLING LINE OF BUSINESS



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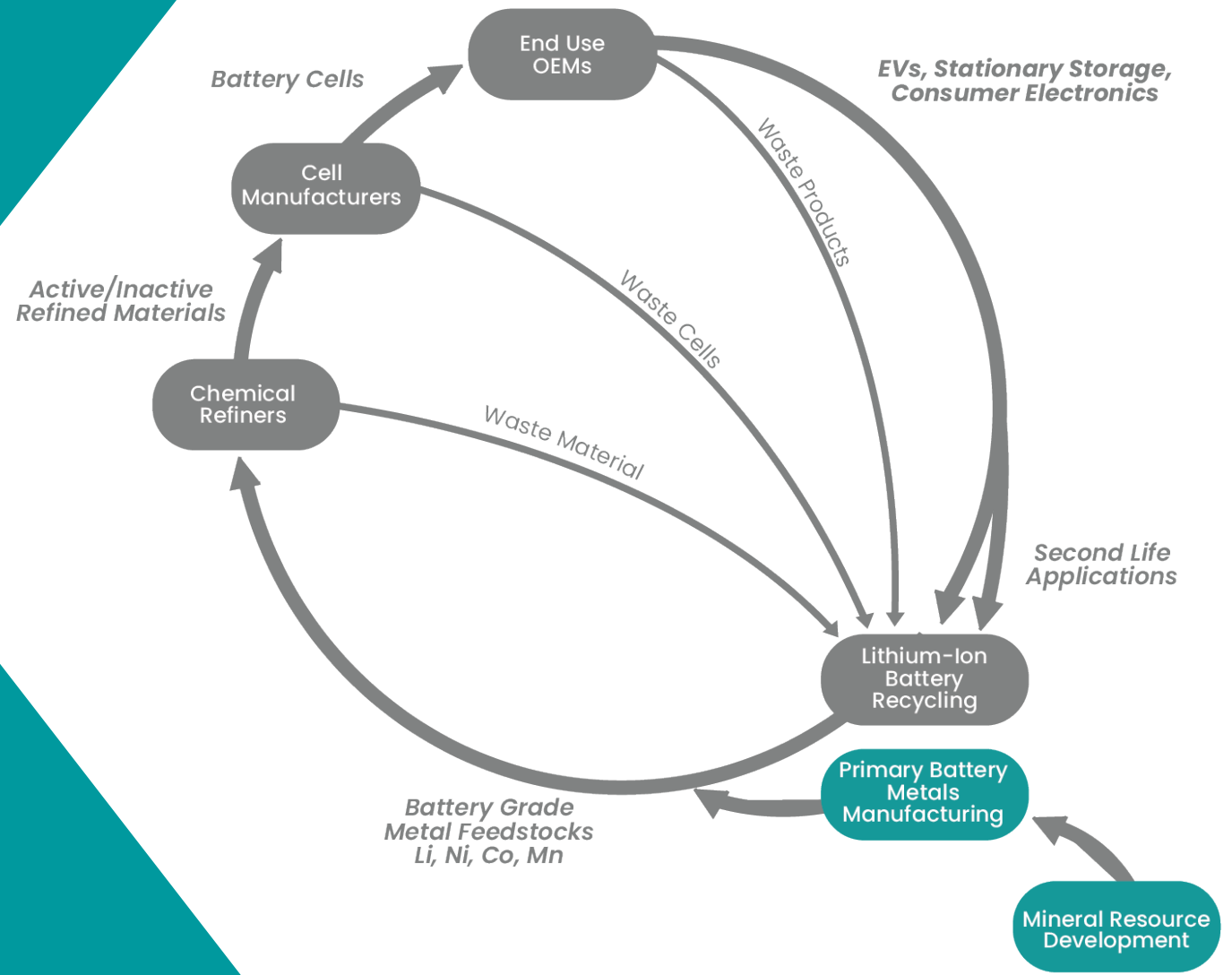
Expanding Operations: Direct-to-Consumer Battery Recycling

- » Launched Landmark Partnership with The Battery Network to expand and diversify our business model from primarily business-to-business operations to include a direct-to-consumer recycling
- » Onboarding Greentrax, The Battery Network's software platform designed to streamline the reverse logistics of EV batteries across North America

ABTC's Second Lithium-Ion Battery Recycling Facility

- » ABTC has designed a second battery recycling facility **5X capacity increase over first plant, 100,000 tonnes/year** throughput
- » **Facility Co-location** with Strategic Partners in Southeast US with site selection is in process
- » **Supported by \$150MM US DOE Grant**

Primary Metals Resource Development and Refining



Global Lithium Industry

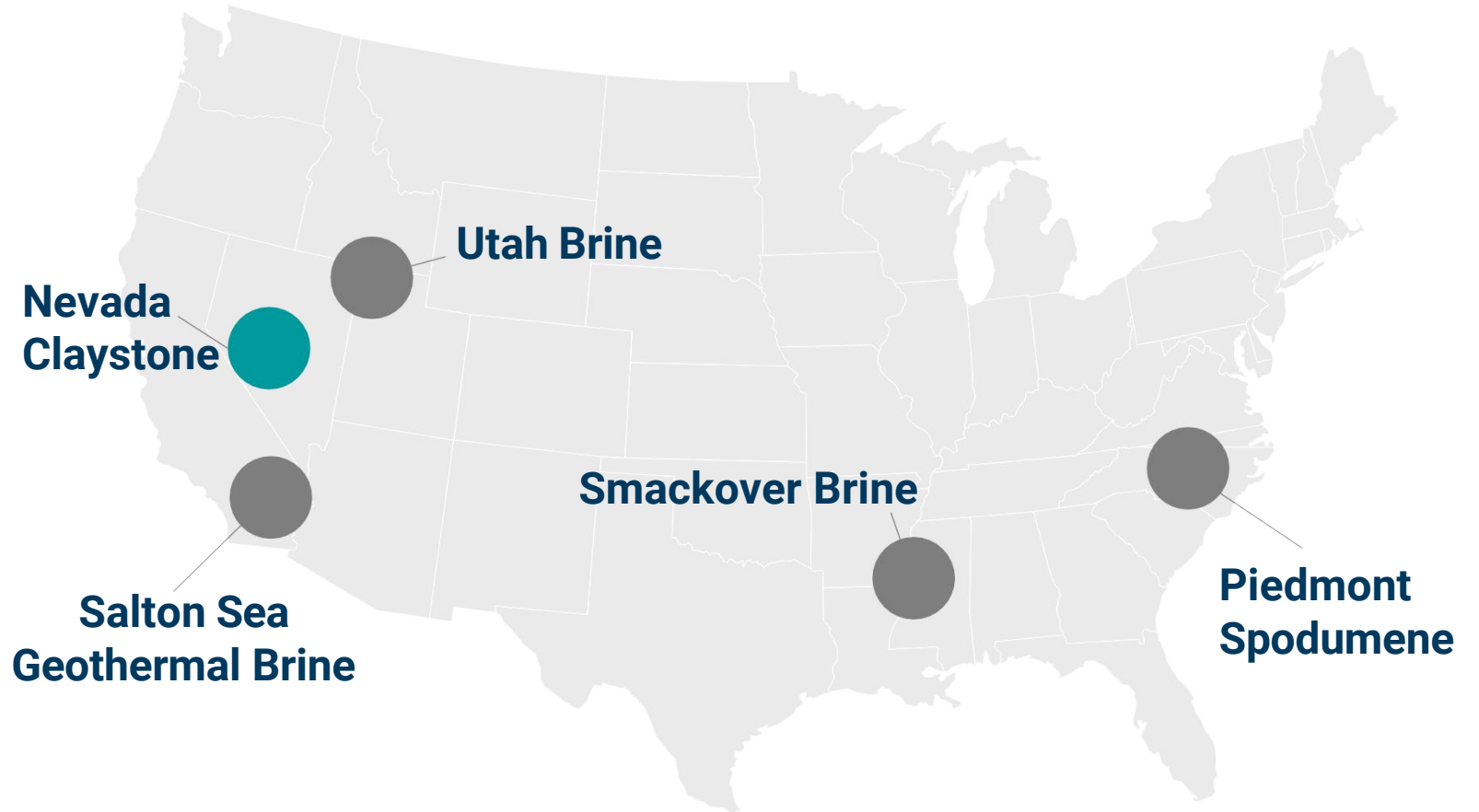
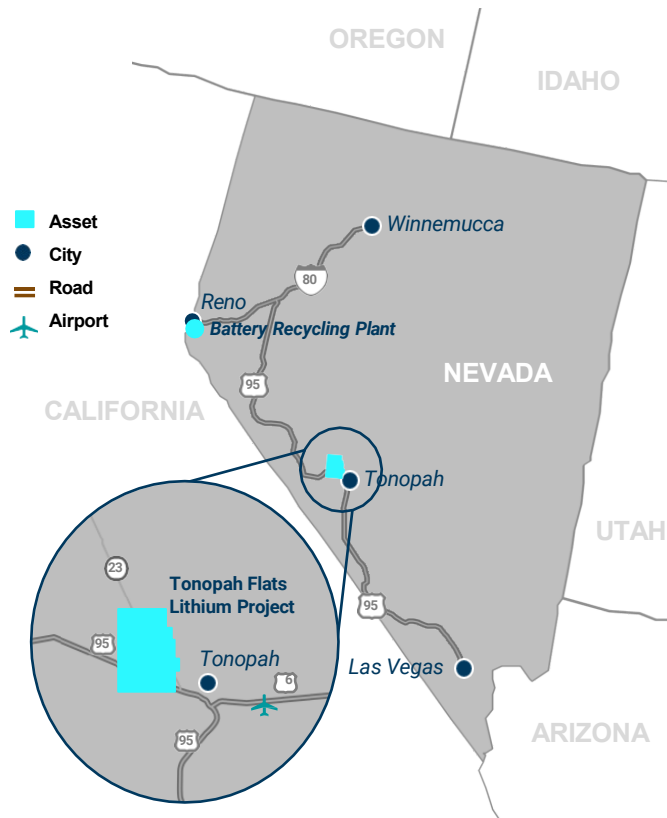
- » Today, nearly all lithium products are produced from conventional resources of lithium-rich brines or hard rock ores
- » These aren't especially prevalent within the domestic-US, and have cost and environmental impact challenges
- » Within the US, a very large lithium-bearing deposit exists within sedimentary resources in central Nevada, however to date no economically viable process to recover these materials has been commercialized
- » Instead of attempting to utilize existing legacy processes, ABTC has developed an internal proprietary set of technologies to access the lithium in these unconventional resources
- » High-volume, low-cost, and low-environmental impact lithium hydroxide manufacturing
 - Meeting purity and morphology specifications for high energy density active cathode materials





U.S. LITHIUM MINERAL OVERVIEW

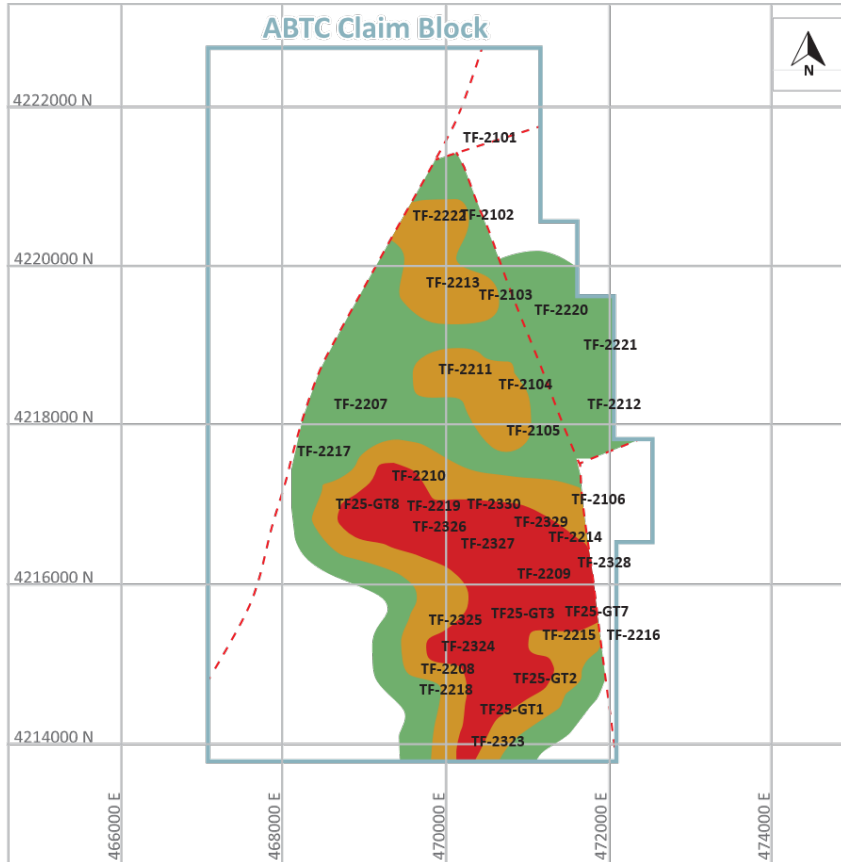
ABTC has developed first-of-kind technologies on its 517 unpatented lode mining claims covering roughly 10,340 acres near the historic mining town of Tonopah, NV to access lithium from claystone resulting in high-volume, low-cost, and low-environmental impact battery-grade lithium-hydroxide



ONE OF THE LARGEST KNOWN LITHIUM DEPOSITS IN THE U.S.



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Tonopah Flats Pre-Feasibility Study confirms “21.8% IRR and \$2.57 Billion NPV@8%, upgraded lithium resource and established lithium reserves, reinforcing a commercialization pathways of Tonopah Flats Lithium Project” – October 16, 2025

Classification	Total (kTonnes)	Avg Grade Li (ppm)	Li (kTonnes)	LHM (kTonnes)
Measured ■	1,126,772	876	987	5,968
Indicated ■	2,534,419	640	1,621	9,800
Measured + Indicated	3,661,191	712	2,608	15,767
Inferred ■	2,151,227	424	911	5,508
Total	5,812,418		3,519	21,275

\$4.5M Grant for DOE Critical Materials Innovations

Project Initiated October 1, 2021

Field Demonstration of Selective Leaching, Targeted Purification, and Electro-Chemical Production of Battery Grade Lithium Hydroxide Precursor from Domestic Claystone Resources

- » Bench-scale validations for lithium extraction from claystone resources
 - First-of-kind technology; Significantly reduced environmental impact from reduced chemical reagent consumption

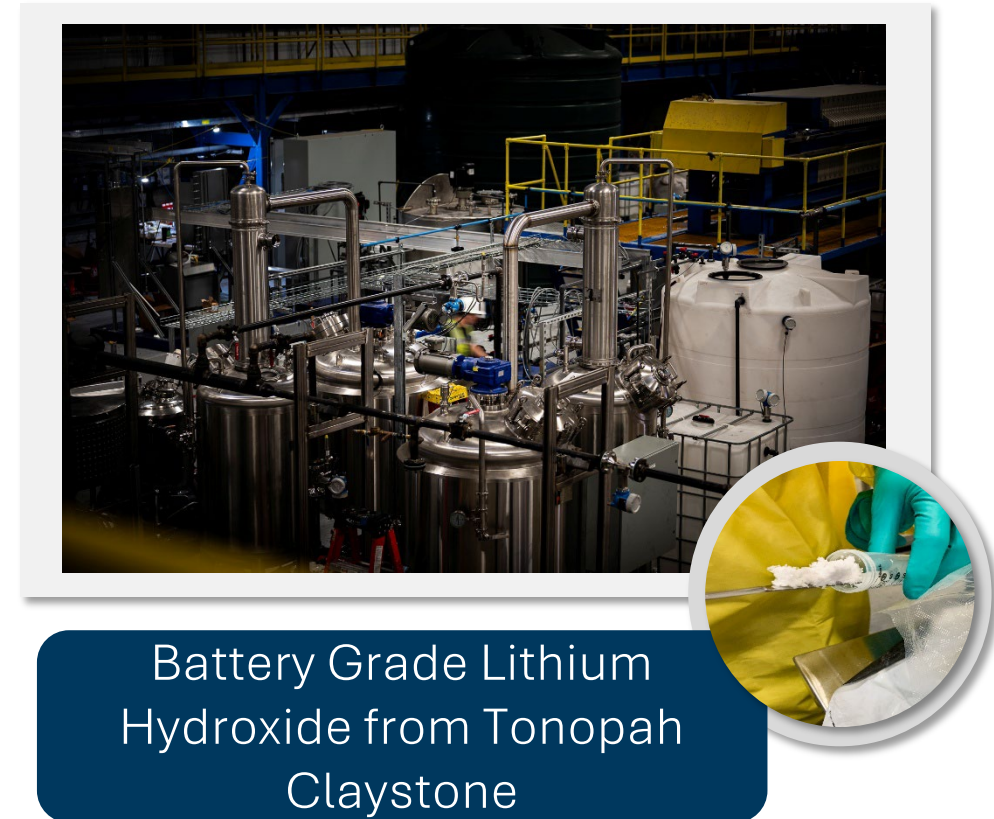
- » Construction and operations of multi-ton/day field demonstration system to produce battery grade lithium hydroxide (LiOH)





WE ARE SOLVING A CRITICAL NEED

- » ABTC has **developed its own technologies** for the manufacturing of critical mineral **lithium hydroxide (LiOH)** from Nevada-based claystone material and recycled products
- » Operation of **multi-tonne per day pilot facility** has produced kg-level battery grade products
- » Based on the integrated pilot facility operations, ABTC has designed a commercial scale lithium refinery as part of its Tonopah Flats Lithium Project to manufacture **30,000 tonnes of lithium hydroxide** per year
- » Long term commercial off-take agreements for this product are currently in **strategic partner selection**



Battery Grade Lithium Hydroxide from Tonopah Claystone



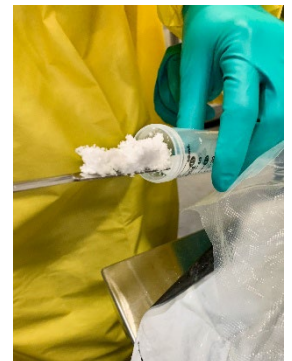
ONE OF THE LARGEST KNOWN LITHIUM DEPOSITS IN THE U.S.






ABTC has over 10K acres of unique claystone deposits in Nevada containing 21.3 million tonnes of accessible lithium hydroxide monohydrate and is supported by ABTC's proprietary selective leach extraction (SLE) process

- » 6 miles West of Tonopah, NV
- » 517 Lode Claims
- » 10,681-acre continuous claim block
- » 45 year mine life
- » >200 FTE at peak
- » ~50,000 Tonnes / day mined at peak

» **Proposed Facilities**

- Surface mine
- Dry Stack Tailings
- Growth Media Stockpile
- Access & Haul Roads
- Stormwater Management
- Lithium processing facility
- Solar PV + BESS





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- Videos
- Events

Tonopah Flats Lithium Project is the Latest Critical Minerals Mining Project to Gain FAST-41 Coverage

Contact Information

Permitting Council Press Office (media@permitting.gov)

WASHINGTON (August 19, 2025) – The Federal Permitting Improvement Steering Council (Permitting Council) is pleased to announce the FAST-41 coverage of the Tonopah Flats Lithium Project. If permitted, this project is anticipated to produce 30,000 MT(metric tons)/yr of lithium, a mineral critical for battery production and medicinal purposes.

“The Permitting Council is excited to welcome the Tonopah Flats Lithium Project to FAST-41 coverage,” **said Emily Domenech, Permitting Council Executive Director.** “By streamlining the federal permitting process for this project, we will continue to build on President Trump’s [Executive Order](#) to expand accessibility to our country’s vast natural resources, creating a stronger domestic supply chain of critical minerals and reducing our reliance on China.”

Located west of Tonopah, Nevada in Esmeralda and Nye Counties, this lithium project involves exploration drilling, surface mining, and construction and operation of a processing facility for the production of approximately 30,000 MT/yr of critical mineral lithium hydroxide monohydrate (LiOH). This project initially came under Permitting Council purview on [June 27, 2025](#) as a transparency project, before project sponsor American Battery Technology Company elected to apply for FAST-41 coverage. The project is now covered under FAST-41, giving it the full benefits of the program, including the development of a coordinated project plan and dedicated project management by Permitting Council staff.

The Department of the Interior’s Bureau of Land Management serves as the lead agency for this project. Learn more about the Tonopah Flats Lithium Project on the [Federal Permitting Dashboard](#). Learn more about the Permitting Council at [permitting.gov](#).

About the Permitting Council and FAST-41

SCALE UP OF PRIMARY LITHIUM MANUFACTURING COMMERCIAL SCALE



NASDAQ: ABAT

ABTC Engages World-Class Global Engineering, Procurement, and Construction Solutions Leader Black & Veatch

**Initiates Design, Construction of First-of-Kind Commercial-Scale
Sedimentary-Based Lithium Hydroxide Manufacturing Facility in Smoky
Valley, Nevada**

Reno, Nev. April 17, 2023 —American Battery Technology Company (ABTC) (OTCQX: ABML), an American critical battery materials company commercializing both its primary minerals manufacturing and secondary minerals lithium-ion battery recycling technologies, has engaged global critical infrastructure solutions leader Black & Veatch in a technical services agreement to support the design, construction, and commissioning of ABTC's first commercial-scale lithium hydroxide manufacturing facility in Tonopah, Nevada.

The design and construction of this first-of-kind facility, supported by a competitively selected U.S. Department of Energy (DOE) grant, will commercialize ABTC's novel process for the manufacturing of battery-grade lithium hydroxide from unconventional Nevada-based lithium-bearing sedimentary resources, and will have the capacity to initially produce 30,000 metric tons of lithium hydroxide per year.



QUESTIONS



**Powering the
Future of
Sustainable
Energy**

info@batterymetals.com

www.americanbatterytechnology.com