

# ACE Green Recycling, Inc.

*A battery recycling technology company built on proprietary IP*

Investor Presentation  
February 2026



**ACE Green Recycling**



# CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This presentation contains statements regarding Ace Green Recycling, Inc. (“Ace Green”), with whom Athena Technology Acquisition Corp. II (“Athena”) has entered into a business combination agreement to consummate a business combination (the “Business Combination”), and other matters that are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. In some cases, forward-looking statements can be identified by words such as “anticipate,” “approximate,” “believe,” “plan,” “estimate,” “expect,” “project,” “could,” “should,” “strategy,” “will,” “intend,” “may” and other similar expressions or the negative of such words or expressions. Statements in this presentation concerning (i) Athena’s or Ace Green’s expected future financial position, business strategy, production capacity, competitive positions, growth opportunities, plans and objectives of management and (ii) the expected benefits of the Business Combination, together with other statements that are not historical facts, are forward-looking statements that are estimates reflecting management’s best judgment based upon currently available information. Such forward-looking statements are inherently uncertain, and stockholders and other potential investors must recognize that actual results may differ materially from expectations as a result of a variety of factors, including, without limitation, those discussed below. Such forward-looking statements are based upon management’s current expectations and include known and unknown risks, uncertainties and other factors, many of which Athena and Ace Green are unable to predict or control, that may cause actual results, performance or plans to differ materially from any future results, performance or plans expressed or implied by such forward-looking statements. These statements involve risks and uncertainties that could cause actual results to differ materially from those anticipated in these statements as a result of a number of factors, including, but not limited to:

- Ace Green has a limited operating history at scale and is developing a flagship and new facility in the United States; scaling up its operations and expansion in the U.S. may carry uncertainties and pose liquidity risks to Ace Green;
- Ace Green may not be able to secure adequate capital to execute its business plan;
- If Ace Green is unable to overcome the workforce and engineering challenges arising from scaling up production from its existing capacities, it may not succeed in executing its growth and expansion plans;
- Successful or timely implementation of Ace Green’s planned U.S. facility may be delayed due to licensing or regulatory issues;
- A large portion of Ace Green’s profit is derived from a relatively small number of major customers, and its business, financial condition, and results of operations could be materially and adversely affected if its key customers fail to meet their contractual obligations;
- Prices for recovered materials are subject to global market fluctuations and price instability may negatively impact Ace Green’s financial performance;
- Ace Green relies on third-party vendors for key machineries and failure to acquire and maintain them may adversely disrupt its operations;
- A decline in green energy adoption may inhibit future recycling opportunities and may result in decreased demand for Ace Green’s products;
- Ace Green’s proprietary know-how may be rivaled by competitors, which may erode the technological edge it has established;
- Unfavorable economic or geopolitical conditions could constrain Ace Green’s expansion, inhibit its further growth and otherwise have a material adverse effect on its business, results of operations, prospects and financial condition;
- Athena and Ace Green may not obtain the requisite stockholder approvals for the Business Combination;
- Nasdaq may not list the common stock of the surviving company following the Business Combination, which could limit investors’ ability to effect transactions following the Business Combination;
- An event, change or other circumstance could result in the termination of the Business Combination;
- A condition to the closing of the Business Combination may not be satisfied;
- There may be delays in completing the Business Combination;
- Any announcement or news coverage relating to the Business Combination could have adverse effects on the market price of Athena common stock or Ace Green common stock;
- The risk of litigation related to the merger; and
- Other risks and uncertainties identified in the “Risk Factors,” “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and “Business” sections of the Registration Statement and Athena’s most recent Annual Report on Form 10-K and its subsequent Quarterly Reports on Form 10-Q, and other risks as identified from time to time in its Securities and Exchange Commission (“SEC”) reports.

All of the forward-looking statements Ace Green and Athena make in or in connection with this presentation are qualified by the information contained or incorporated by reference in the registration statement on Form S-4, as amended, filed by Athena and Ace Green with the SEC, which includes a proxy statement and a prospectus, to register the issuance of the shares of Athena stock that will be issued to Ace Green’s stockholders (File No. 333-286836) (the “Registration Statement”). For additional information, see the sections of the Registration Statement entitled “Risk Factors” and “Where You Can Find More Information” beginning on pages 19 and 207, respectively, of the Registration Statement.

Forward-looking statements are based on the estimates and opinions of management at the time the statements are made. Except to the extent required by applicable law, neither Athena nor Ace Green undertakes any obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof.

# Legal Disclaimers

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## USE OF PROJECTIONS

Any statements regarding financial information in this presentation (including specifically projected revenue) that are forward-looking statements are based on assumptions that are inherently subject to significant uncertainties and contingencies, many of which are beyond Ace Green's and Athena's control. The assumptions and estimates underlying the projected results are inherently uncertain and are subject to a wide variety of significant business, economic and competitive risks and uncertainties that could cause actual results to differ materially from those contained in the projections. All subsequent written and oral forward-looking statements concerning the Ace Green, the proposed Business Combination, or other matters and attributable to Ace Green, Athena or any person acting on their behalf are expressly qualified in their entirety by the cautionary statements above.

## IMPORTANT ADDITIONAL INFORMATION ABOUT THE PROPOSED BUSINESS COMBINATION AND WHERE TO FIND IT

This presentation is being made available in connection with the Business Combination between Athena and Ace Green. In connection with the proposed Business Combination, Athena and Ace Green have filed the Registration Statement with the SEC. INVESTORS ARE URGED TO READ IN THEIR ENTIRETY THE REGISTRATION STATEMENT REGARDING THE TRANSACTION THAT HAS BEEN FILED AND ANY OTHER RELEVANT DOCUMENTS FILED WITH THE SEC, AS WELL AS ANY AMENDMENTS OR SUPPLEMENTS TO THOSE DOCUMENTS, BECAUSE THEY CONTAIN IMPORTANT INFORMATION.

A free copy of the Registration Statement, as well as other filings containing information about Athena, may be obtained at the SEC's website (<http://www.sec.gov>). You will also be able to obtain these documents, free of charge, from Athena by calling (970) 925-1572.

## PARTICIPANTS IN THE SOLICITATION

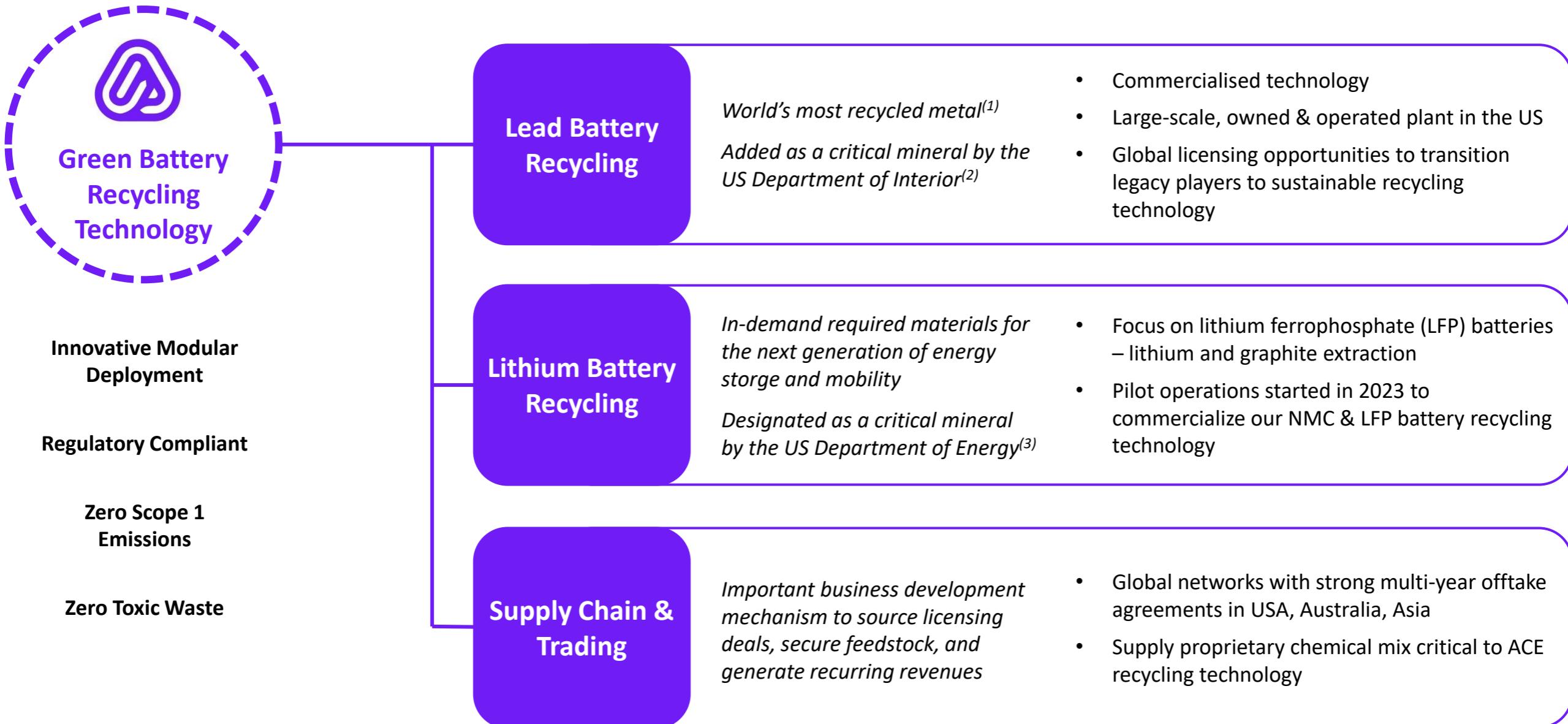
Athena, Ace Green and certain of their respective directors and executive officers may be deemed to be participants in the solicitation of proxies from its respective stockholders in respect of the proposed transactions contemplated by the Registration Statement. Information regarding the persons who are, under the rules of the SEC, participants in the solicitation of the stockholders of Athena in connection with the proposed transactions, including a description of their direct or indirect interests, by security holdings or otherwise, are set forth in the Registration Statement filed with the SEC. Information regarding Athena's directors and executive officers is included in the Registration Statement and in its Annual Report on Form 10-K for the year ended December 31, 2024, that is filed with the SEC. Other information regarding the participants in the proxy solicitation and a description of their direct and indirect interests, by security holdings or otherwise, is contained in the Registration Statement and other relevant materials filed or to be filed with the SEC regarding the proposed transaction. Investors and security holders should read the Registration Statement carefully before making any voting or investment decisions. You may obtain free copies of any of the documents referenced herein from using the sources indicated above.



# Helping Address America's Need for Critical Minerals

Commercial Operations • 15-Year Glencore Partnership • Texas Flagship Expected to Launch 2027

# ACE Green Recycling (“ACE”) is building a global battery recycling platform—combining proprietary tech with supply chain expertise and operational expertise



# Proven commercial model with contracted revenue and a path to sustainable growth

## Licensing

- Secured nearly 75,000 MT<sup>(1)</sup> of lead recycling contracts to date

## Plants Owned and Operated

- Operating a pilot lithium recycling facility in India with ~2,000 MT capacity
- Recycling agreements with BMW and Volvo of India

## Supply Chain & Partnerships

- 5 years of trading revenue totalling ~\$100 million
- Multi-year offtake and feedstock agreements with Glencore, OMC, GSM, Enecell, and Spiro

- *Additional licensing deals expected in Europe and Asia Pacific*

- *Texas flagship deployment underway with operational start date expected in early 2027*

- *Potential for additional tolling arrangements with existing OEMs*

Expected revenue (FY ending 31 March 2026)<sup>(2)</sup>

\$ 27 million

# Built on proven innovation and real-world performance, ACE is leading the green battery recycling revolution



## Proven Commercial Technology

- Operating at 2 locations (Taiwan and India)
- 5 additional deployments anticipated in 2026 (USA, Thailand, India, Australia and Armenia)
- Installed capacity of around 60,000 Mtpa<sup>(1)</sup> by H1 2026



## Demonstrated Commercial Viability

- Contracted partnership agreements – Acme Metals (Taiwan), Raj Metals (India), IPP (Thailand), and Mel Metal (Armenia)
- Contracted offtake and feedstock agreements – Glencore, OMC, GSM, Enecell, and Spiro
- Leading existing investors – including CDOF (family office of Trafigura founder), POCL, Circulate Capital, and industry veterans



## Comprehensive IP and R&D

- 142 patent filings to date
- 12 years of in-house built R&D across both technology stacks
- Third-party tech validation reports from ADL (USA)
- Engineering partnerships with STC (Italy), Audobon (USA), and Worley (Australia)



## Revenue Generating

- Generated revenues of \$25.4 million in FY 2025
- Anticipated pathway to profitability by early 2027
- Annual run rate of \$3 million from existing owned and operated and JV/Partnership facilities



## Texas Flagship Facility Launch Expected in 2027

- Texas facility is positioned to be the first large-scale GREENLEAD® (Phase I) and LFP recycling (Phase II) facility in the U.S.
- Feedstock agreements with GSM & OMC and long-term offtake agreement with Glencore
- Allows ACE to maximize US government support of lithium as a critical mineral



## Supportive Economic and Political Tailwinds

- National security, economic, and sustainable initiatives have globalized the refinement of feedstock and battery production away from traditional sources in Asia
- Aligns with U.S. focus on prioritizing domestic supply chain and manufacturing

# ACE has a team of over 40 technologists and recycling & mining business experts



**Nishchay Chadha**



*CEO*

- 19 years in **recycling, global trading, mining, supply chain**
- Asia Pacific & Middle East **head for lead/zinc & India/MENA for scrap metals** at Trafigura
- **Senior global positions in Vedanta & 2 startups**
- Bachelor of Technology in Mining Engineering from **IIT (ISM) Dhanbad** and MBA in Finance and Strategy from **ISB, Hyderabad**



**Teodoro Alban**



*CFO*

- 26 years in **finance & treasury, M&A** and business development
- **CFO position at RDT Inc (Subsidiary of Tubos Reunidos) and Quantum Offshore Energy**
- Bachelor of Science in Mechanical Engineering from Brown University & Master of Finance from London Business School



**Dr. Vipin Tyagi**



*CTO*

- 12 years in **battery materials cleantech recycling**
- **PhD in Mechanical Engineering from Texas A&M University** and Bachelor of Technology in Mechanical Engineering from **IIT Bombay**
- Co-authored several peer reviewed journal and conference publications
- **Ex Merrill Lynch Trader, USA**



**Rick Stollsteimer**



*SVP - Operations*



- **30+ years in metals and refining**, including previously at Gopher Resource and Kloeckner Metals Corporation
- Held **key leadership roles**, including VP Operations (Gopher) and Director, Operational Excellence (Kloeckner)
- MBA with a focus on Finance and Operations Management, and a Bachelor of Arts in Economics



**Siddharth Roy**



*Business Director*

- 16 years in **base & precious metals, recycling, international trading, and logistics**
- Hindustan zinc manager APAC
- Startups – global head of lead & zinc
- Bachelor of Engineering in Electronics and Communication from **RGTU, Bhopal** and MBA in Marketing and Finance from **Institute of Management, Nirma University, Ahmedabad**



**Dr. Amol Naik**



*SVP, R & D*

- 20+ years in **chemistry, electrochemical processes, and advanced materials including lead and lithium battery materials and nuclear waste**
- Published **numerous patents in recycling**, and **authored multiple scientific papers** in peer reviewed journals and international conferences
- Worked on **Disposal of Nuclear Waste at Bhabha Atomic Research Centre** and **Former Assistant Professor** at University of Mumbai-affiliated college
- **PhD from University of Mumbai** in Chemistry



**Dr. John Zhao**



*VP Operations – Lithium Recycling*

- 20+ years experience in **technology R&D, scale-up, design, operations improvement, and capital engineering**
- **Former senior engineering roles** at Albemarle, Evonik, and Wanhua
- **Ph.D. in Chemical Engineering** from University of North Dakota Grand Forks and MBA from North Carolina State University



**Aaron Wee**



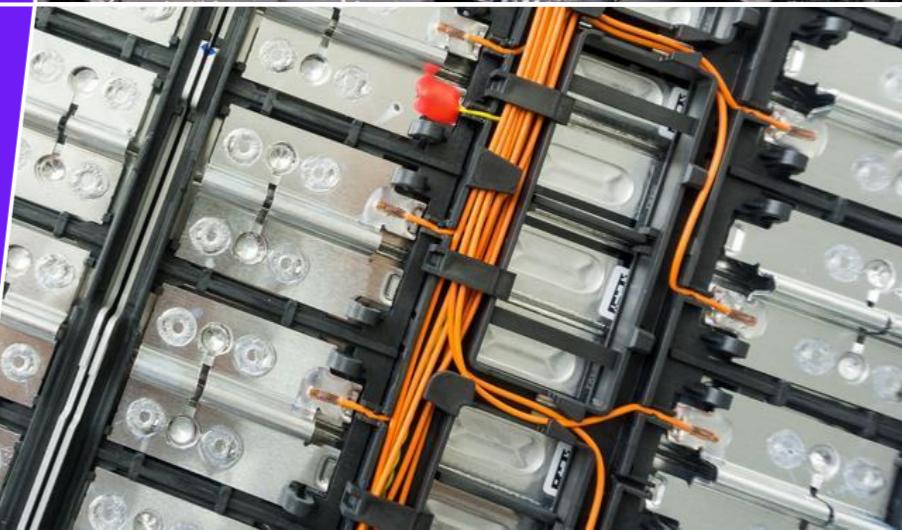
*VP Strategy & Investments*



- 10+ years in **investments, M&A, and consulting**
- **Former investment head** for a \$20 billion city development project in MENA
- Former **Asia lead for a VC firm** with extensive deal experience in digital technology, web infrastructure, and blockchain
- **MBA from University of Oxford** and MA in Political Science from Brown University

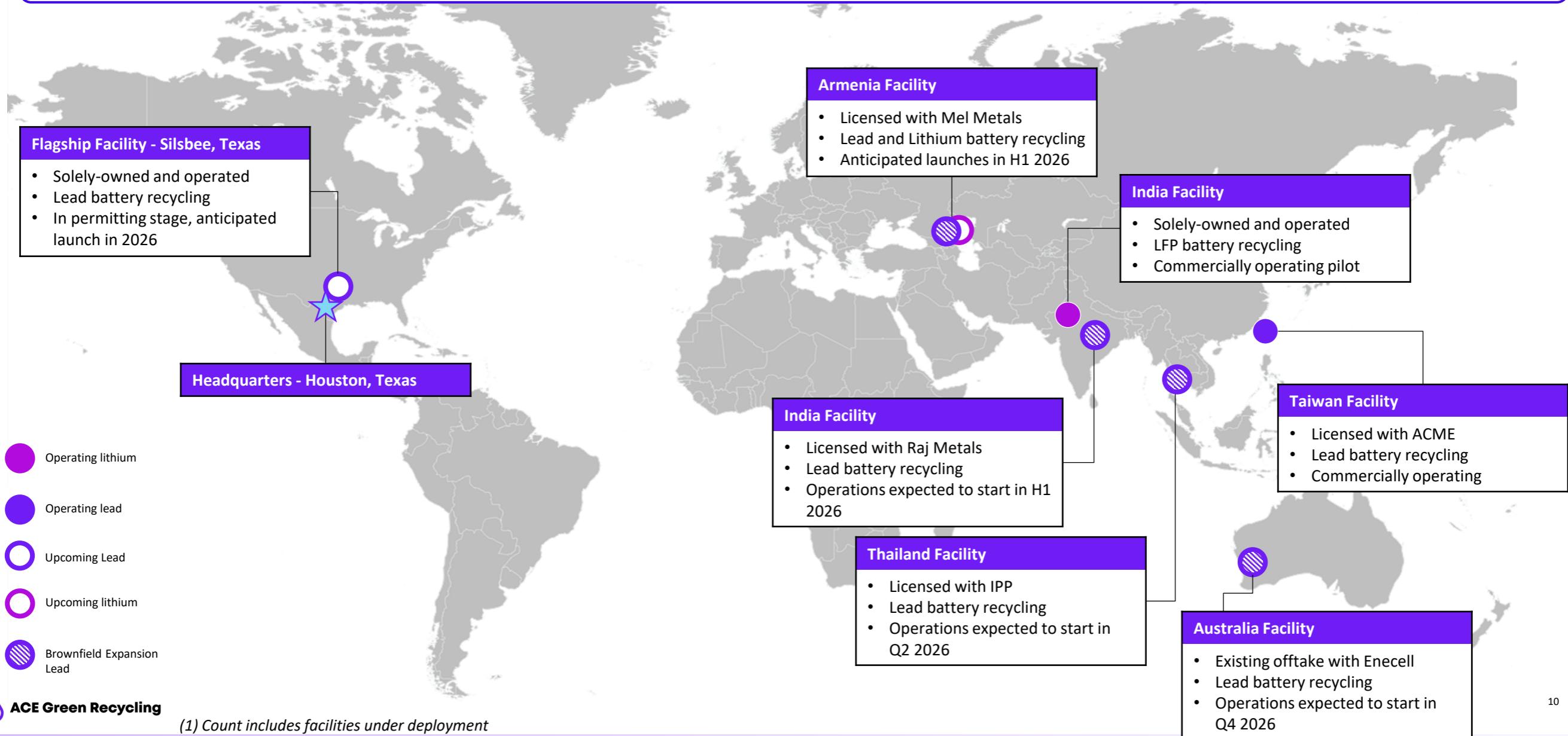


# Commercial Deployment Across Three Continents



# With minimal capital deployment, ACE is developing a global footprint

*6 facilities<sup>(1)</sup> across 5 countries | Flagship US facility expected to launch in 2027*



# ACE is developing and building out its flagship U.S. recycling facility in Silsbee, Texas



Model	Solely-Owned & Operated		
Phase	1A	1B	
Battery Feedstock	Lead	Lead	
Stage	New	Modular, phased Expansion to Full Scale	
Anticipated Launch	Q4 2026	2027	
Initial Volume (equivalent Scrap Batteries in MT/year)	75,000	150,000	
Feedstock & Offtake	 OM COMMODITIES	 <b>GSM</b> Gold Star Metals	 GLENCORE

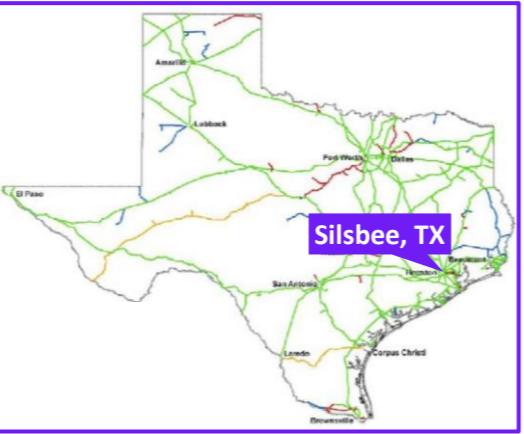
## Why Texas?

- Issued EPA ID to handle batteries in Texas
- **Leased location with suitable zoning, industrial power supply, and workforce availability**
- Strategically located near feedstock providers, key U.S. manufacturers and end customers, and well-established freight systems (port, rail, trucking)
- Proximity to ACE HQ
- Property tax abatement secured with local authorities

## Anticipated Outcomes

- **Full control over plant capacities** and products to showcase and build future partnerships
- **First commercial GREENLEAD® recycling facility** in the U.S.
- Texas facility to **achieve profitability in 2027**

# Planned ACE Flagship Battery Recycling Facility



Existing feedstock and offtake partnerships are sufficient to cover our **Phase I and planned expansion requirements**



GLENCORE

## Strategically located, scalable facility

Expected to recycle batteries from catchment area of neighboring states (TX, LA, OK, KS, AR, NM)

Accessible to major U.S. rail, trucking, and water transport networks

Permitting support provided by:



## 2025 Development Launch

Location secured in Q2'25

Anticipated delivery of recycling equipment in Q3-Q4'26

## 2027 Anticipated Phase I Commercial Launch

## Key Statistics



**200,000 ft<sup>1</sup>**

Fully built-up area (2 bays)

(10 acres open area, including lithium LFP plant; plus additional 150,000 ft<sup>2</sup> 3<sup>rd</sup> bay under negotiation)



**75,000**

**metric tons**

Battery processing



**~17,000**

**metric tons**

Fully integrated in Phase I<sup>(1)</sup>  
(Equivalent to <2% of domestic consumption)<sup>(2)</sup>

**10 MW**

Available power

(Can be further scaled; natural gas and water available)

**~\$23 million**

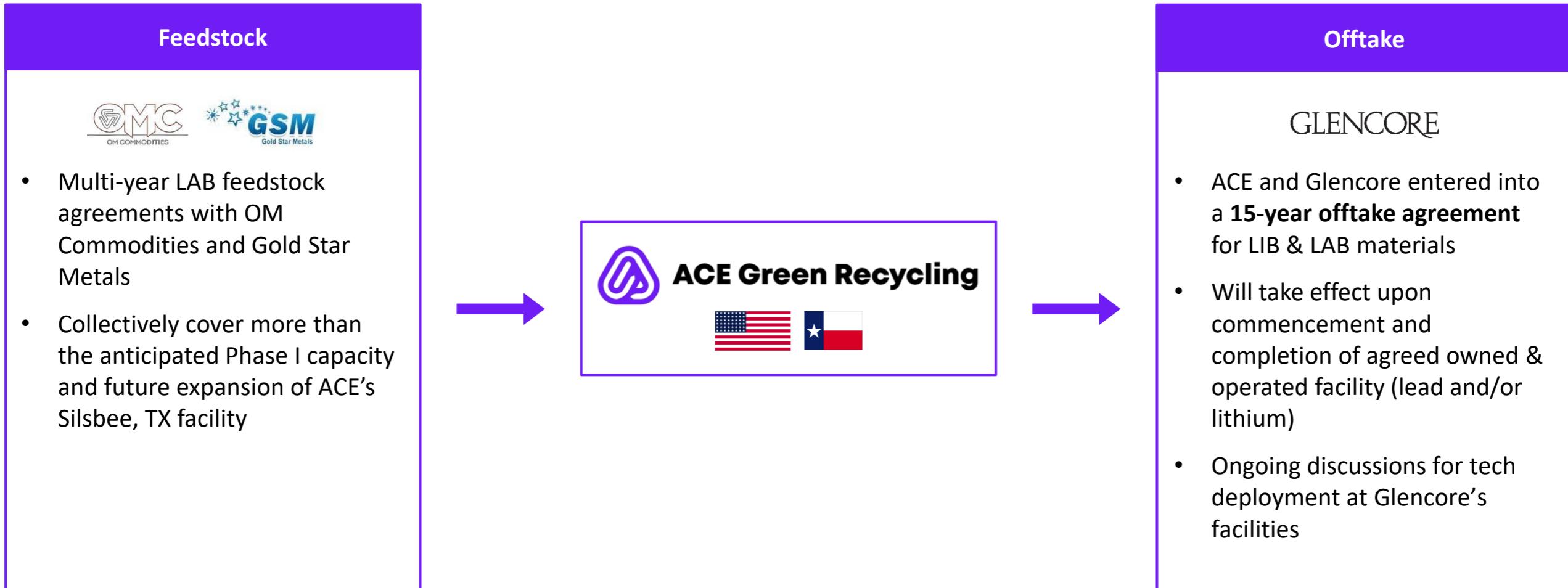
Phase 1 Machinery CAPEX (Including Tariffs)

**~\$118 million**

Full Scale CAPEX (Including Tariffs)



# Ace's strategic partnerships with global industry leaders fuel expansion, deployment, and value creation



# ACE has built a multi-facility portfolio with multi-year deals and recurring revenues

<b>Active and Near Term Facilities</b> <u>(does not include pipeline or anticipated expansions)</u>						
<b>Country</b>	<b>Project type</b>	<b>Deal type</b>	<b>Capital source</b>	<b>Contracted</b>	<b>Tenor</b>	<b>Date Operational</b>
USA	Lead	Own & Operate	ACE	Yes	Lifetime	Expected Q1 2027
Australia	Lead	Offtake & Marketing	Partner	Yes	10 Years	Q1 2026
Armenia	Lead	Licensing	Partner	Yes	15 Years	Expected Q2 2026
Australia	Lead	Licensing	Partner	Yes	15 Years	Expected Q4 2026
Taiwan	Lead	Licensing	Partner	Yes	10 Years	Phase 1 operational since Q1 2024; Expansion expected Q2 2026
Thailand	Lead	Licensing	Partner	Yes	10 Years	Expected Q2 2026

**ACE also maintains a lithium pilot recycling facility in India and intends to expand its lithium footprint with additional facilities as global feedstock conditions improve**

ACE has developed a robust system of feedstock and offtake agreements to support our growth internationally as we expand our global operations

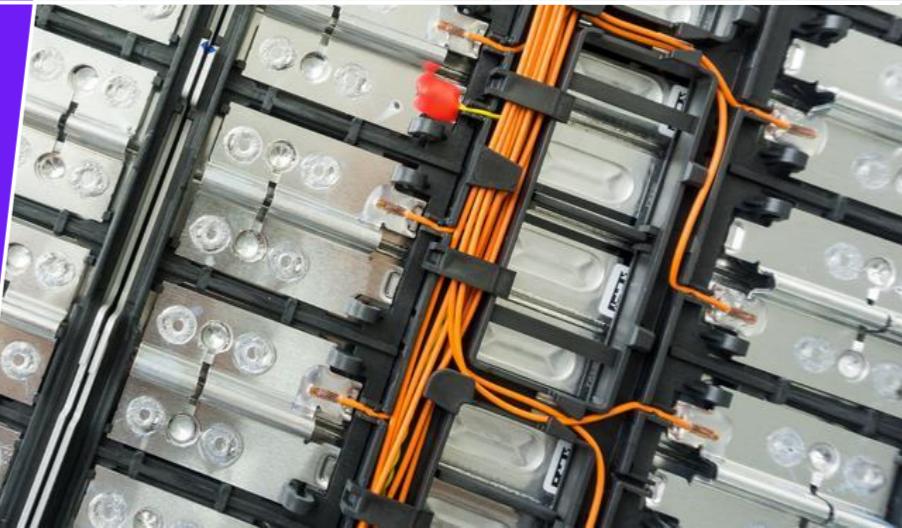
US Feedstock Agreements			
Partner	Region	Duration	Feedstock quantity
OM Commodities	US	15 years (provisions to extend additional 5 years)	Up to 100,000 MT/year (lead batteries)
Gold Star Metals	US	2 years (provisions to extend additional 5 years)	Up to 100,000 MT/year (lead batteries)

Regional Feedstock Agreements			
Partner (region)	Region	Duration	Feedstock quantity
Spiro	Africa	5 years (provisions to extend additional 10 years)	Right of First Refusal for ACE (lithium batteries)
Enecell	Australia	10 years (provisions to extend additional 5 years)	15,000 MT/year & further expansions (lead products)
Volvo and BMW	India <sup>(1)</sup>	1 year (provisions to extend annually)	Available quantity is limited until EV market scales (lithium batteries)

Offtake Agreements				
Partner	Region	Duration	End products from lead battery recycling	End products from lithium battery recycling
Glencore	US	15 years	~1,395,000 MT	~206,000 MT

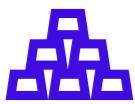
We believe that ACE is well positioned to support a de-risked growth strategy as it ramps up its Texas facility and presence in North America

# How ACE Achieves 99.00% Purity in Lithium Carbonate and 99.98% in Lead with Zero Scope 1 Emissions



ACE Green Recycling

# ACE Green Recycling Battery Technology



## Ease of Recovery

- **“GREENLEAD®”**: recovers **99% of battery-grade lead**
- **“LithiumFirst™”**: recovers **>98% purity lithium carbonate**



## Ease of Permitting

- **Replaces legacy smelting**, which faces significant regulatory pressure and facility shutdowns
- **Closed loop water cycle and zero Scope 1 carbon emissions**
- ACE already **working with regulatory agencies** to establish recycling standards



## Ease of Deployment

- **Low-cost modules** allow customers to set up commercial pilot for less than \$0.5M and seamlessly transition from existing operations



## Dependent of ACE

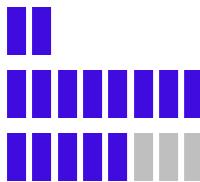
- **Proprietary chemicals** lock customers in with ACE for long-term deals for licensing & JV business models, **providing a recurring source of revenues**
- **High IP defensibility** independent of legacy technologies

# ACE's modular approach allows for economically sustainable scale and an expanded geographic presence

## Flexible Scale

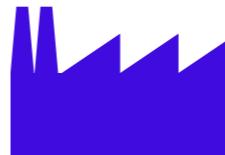
*ACE's recycling technology deploys through a modular system that scales to meet market demand*

### ACE Modularity



- Profitable at a small or large scale through aggregate deployment
- Units can be added to meet increased demand or reduced to meet feedstock/offtake limitations

### Typical Battery Recycling



- Uneconomical unless supply/demand meets large scale capacity
- Fully on or off

### \$ Lower Cost

- “Right-sized” facilities
- **Significant reduction in initial CapEx** (up to ~40% savings)
- **Lower minimum viable facility size** (5,000 MT/year)

### Broader Geography

- **Profitable** in smaller and emerging markets
- **Unlocks domestic supply chain** to retain critical metals
- **Reduces costs** associated with existing global supply chain

### Safer, Cleaner Facilities

- **Safer, cleaner operator conditions** allow for continuous production

# ACE's technology supports the global transition from polluting smelters to clean battery recycling

Typical Recycling Smelters



ACE Green Facility



# ACE's technology can dramatically improve the sustainability of lead battery recycling processes

For every 1000 kg of lead batteries recycled through ACE's technology<sup>1</sup>:

**ZERO**

Scope I carbon emissions

**150 kg**

Slag diverted from landfills

**43 kg**

Oxygen generated

**70 kg**

Plastics recycled

**Minimal**

Environmental lead contamination risk

*Further Scope II reductions can be achieved via renewable electricity sources*

*Prevents dumping costs and maximizes metal recovery rates*

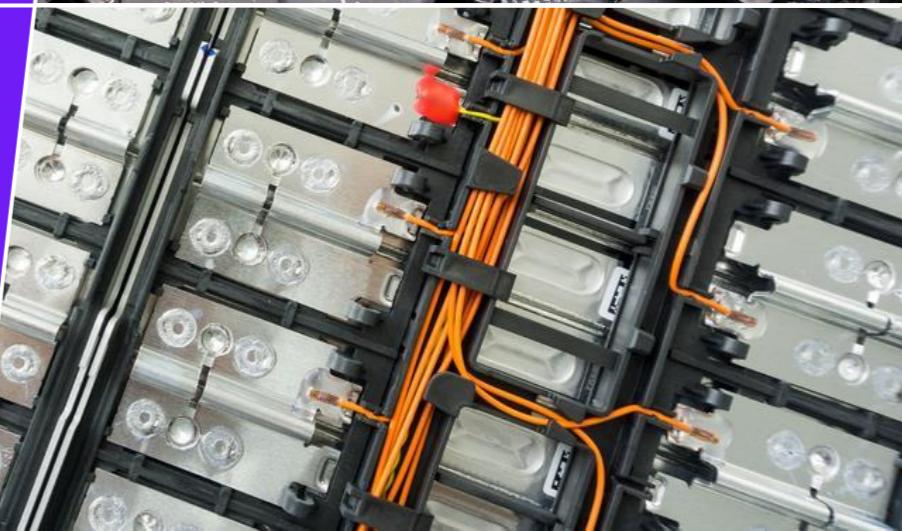
*Eliminates need for burning of fossil fuels*

*Produces valuable secondary revenue stream*

*Maintains a healthy work environment and minimizes potential of future clean up costs*

In addition, we estimate that ACE's lithium battery recycling process **reduces energy consumption versus primary extraction** by up to 60-80% for the same quantity of metallic inputs<sup>(1)</sup>

# Two Markets Converging: Lead Today, Lithium Tomorrow





**Market demand and national security initiatives are at odds  
with tightening regulatory restrictions and increasing facility closures**



# Tightening regulations and ambitious nationally-mandated recycling targets favor the need for sustainable lead recycling solutions

Lead is increasingly being identified as a critical battery material by governments across the world in support of global electrification efforts



United States	European Union	India	China
<ul style="list-style-type: none"><li>Designated lead as a critical mineral in 2025</li><li>Targets <b>95% recovery rate on lead batteries</b></li><li>Tightening tariff regime may drive scrap LAB prices down due to lack of domestic recycling capacity while <b>improving premia on refined lead</b></li></ul>	<ul style="list-style-type: none"><li>Targeting <b>73% and 61% recycling rate</b> for portable lead and LMT batteries by 2031</li><li>Targeting <b>80% recycling rate for lithium batteries</b> by 2031</li><li>Adopted <b>new regulatory framework for waste batteries</b> in 2024</li></ul>	<ul style="list-style-type: none"><li>Introduced extensive <b>Extended Producer Responsibility framework</b> in 2022 to promote domestic battery recycling</li><li>Introduced <b>full customs duty exemption</b> on lithium battery waste and other critical minerals to encourage domestic recycling</li></ul>	<ul style="list-style-type: none"><li>Targeting <b>70% recycling rate of lead batteries</b> by 2025</li><li>Introduced “<b>credit record</b>” for managing waste products to encourage domestic recycling</li><li>Imposed <b>strict liabilities</b> for unauthorized battery waste disposal</li></ul>

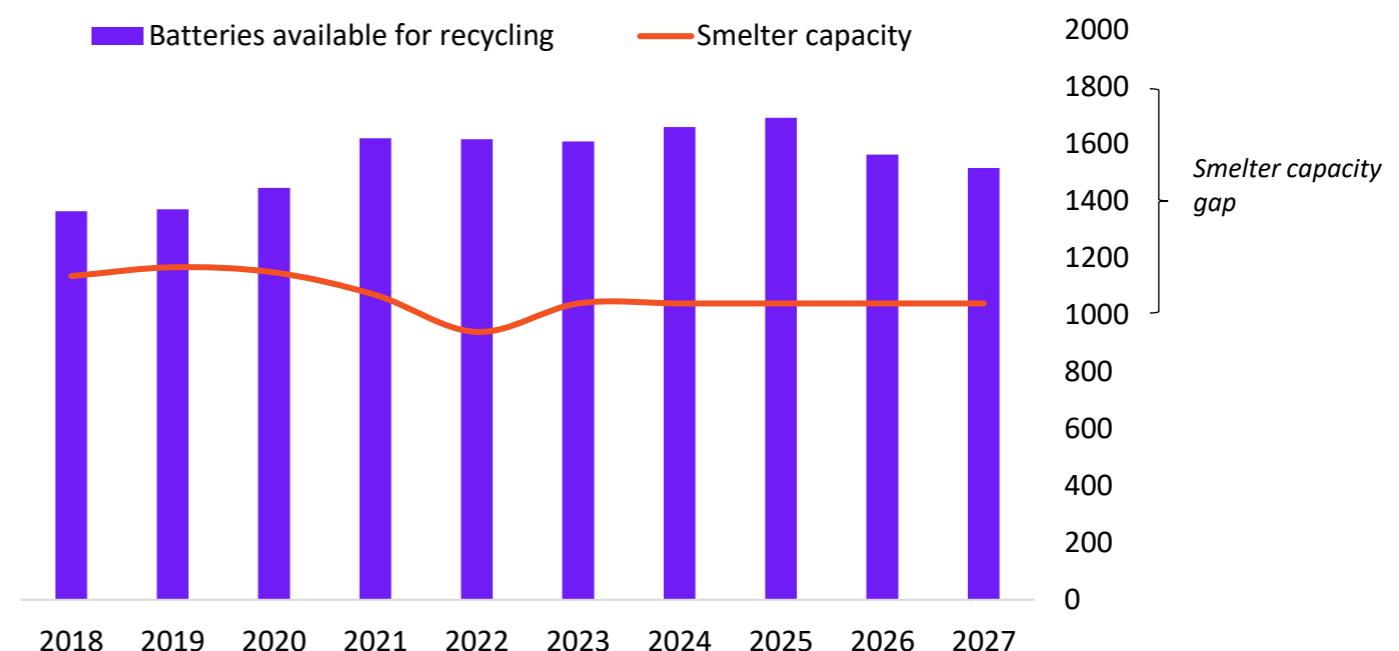
# Incumbent LAB players (especially in North America, other developed markets) have faced multiple plant closures

*Environmental pressures and industrial accidents are creating a difficult operating environment for traditional smelters*

Select North American Smelter Closures Since 2012<sup>(1)</sup>

Year	Location	Capacity (lead output)	Capacity (battery input)
2012	Frisco, TX	65,000 MT	~103,000 MT
2013	Herculaneum, MO	125,000 MT	~198,000 MT
2015	Vernon, CA	90,000 MT	~140,000 MT
2019	Belledune, NB	80,000 MT	~125,000 MT
2021	Florence, SC	80,000 MT	~125,000 MT
<b>TOTAL</b>		<b>440,000 MT</b>	<b>~691,000 MT</b>

US Scrap Availability vs Recycling Capacity (in 000s MT/Year)



- As a consequence of these closures, **US production has fallen 20% during this period, while consumption has grown by 17%** and being replaced by Asian (mainly Chinese) imports
- The fallout is a US market moving from nearly balanced in 1990 to now **running a 0.5 million tonne annual deficit**
- Lead contamination issues have resulted in civil and regulatory suits against smelters resulting in clean-ups costing **hundreds of millions of dollars over a multi-year period** and **significant health impacts on tens of thousands of residents**

# ACE is Building a Solution to America's Collapsing Battery Recycling Infrastructure, Capitalizing on a \$58 Billion Market

## Global refined lead consumption

**14,000,000 MT or \$30 billion**

Lead consumption 2024<sup>(1)</sup>

**US: 1.8 million MT**  
**Canada: 0.3 million MT**

Lead battery market size 2024<sup>(2)</sup>

**US: \$12 – \$14 billion**  
**Canada: ~\$3 billion**

Lead battery scrap exports 2024<sup>(3)</sup>

**US: \$534 million**  
**Canada: \$72 million**

Lead imports 2024<sup>(3)</sup>

**US: \$1.9 billion**  
**Canada: \$13 million**

Lead battery imports 2024<sup>(3)</sup>

**US: \$3.8 billion**  
**Canada: \$0.9 billion**

### Top 3 export destinations of US lead battery scrap:

<b>Mexico:</b>	\$398 million
<b>South Korea:</b>	\$105 million
<b>Canada:</b>	\$17 million

### Top 3 import origins of US raw lead imports 2023:

<b>Canada:</b>	\$683 million
<b>Mexico:</b>	\$298 million
<b>Australia:</b>	\$286 million

The battery industry is still “full steam ahead” on the North American market with Clarios announcing a **\$6 billion investment to accelerate its US manufacturing capabilities** in March 2025

# Existing smelters cannot meet domestic demand and are at risk of closure due to increased environmental restrictions

Inferred US smelter input capacity

1.76 million MT

Smelter capacity at potential risk of shutdown<sup>(1)</sup>

1.37 million MT  
*Representing 7 out of 10 remaining plants*

## Strategic Opportunities

Success of Texas project to pave the way for **5 additional locations in North America** without cannibalizing the current market, **replacing tariff-affected exports only**

**Permitting and regulatory pressures** present an opportunity for ACE to supplement existing lead recyclers

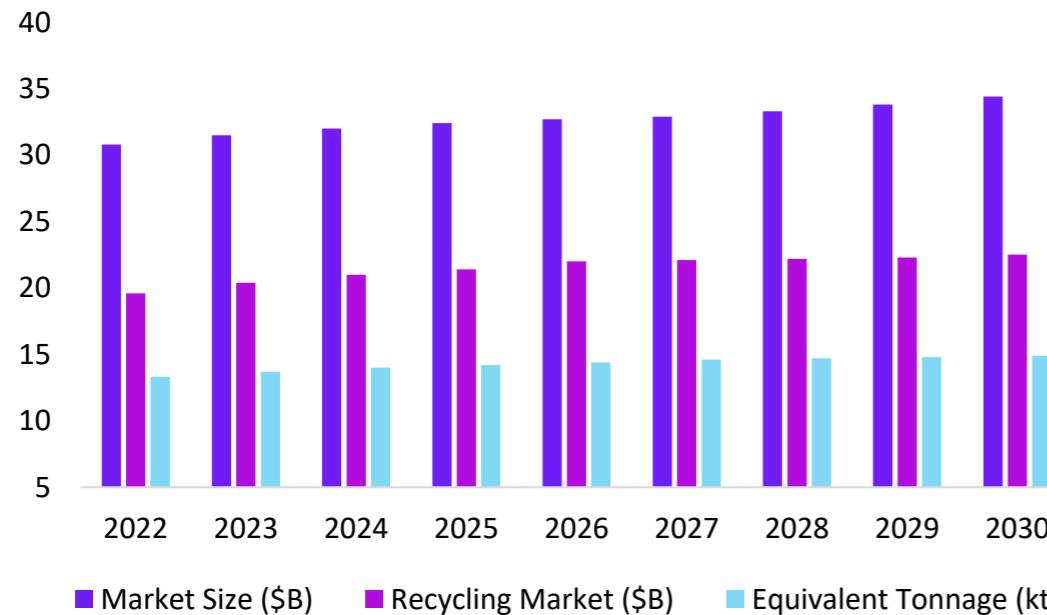
ACE's technology can radically transform a **14 million metric ton global lead market demand** with a sustainable product, translating to **~23 million tons of battery equivalent**

ACE has an opportunity to develop **truly sustainable and environmentally compliant** lead recycling facilities across North America with the Texas flagship facility serving as an **industry-wide example**

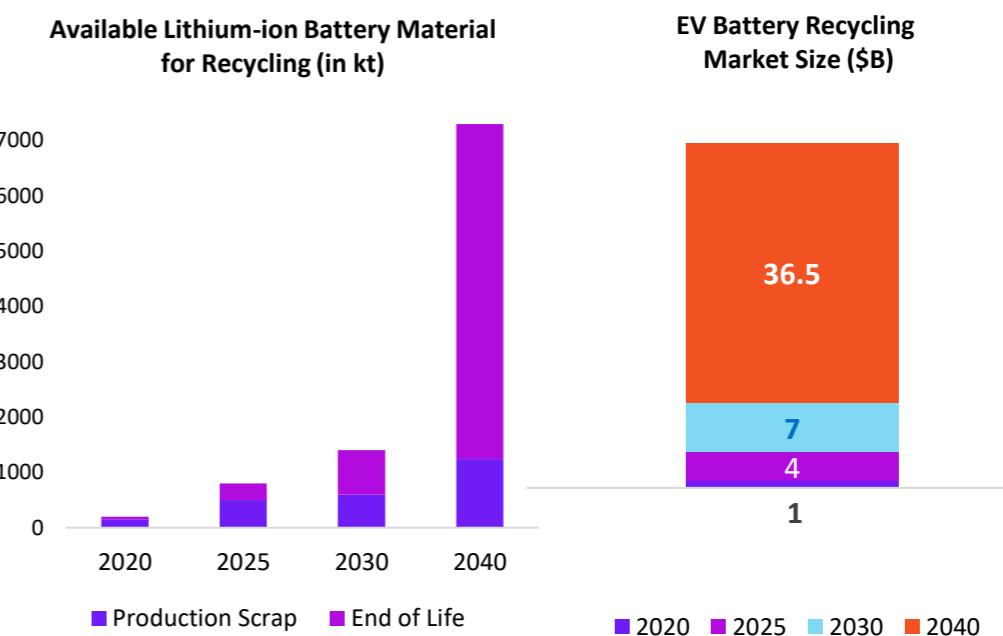
Similar market dynamics and regulatory pressures are being **experienced across other developed economies** like Australia, Canada, the EU, and Japan

The lead and lithium battery recycling is forecast to grow to over \$58 billion by 2040 with exponential growth expected from the lithium sector

Lead Recycling Market by 2030<sup>(1)</sup>  
**\$22.3 billion**



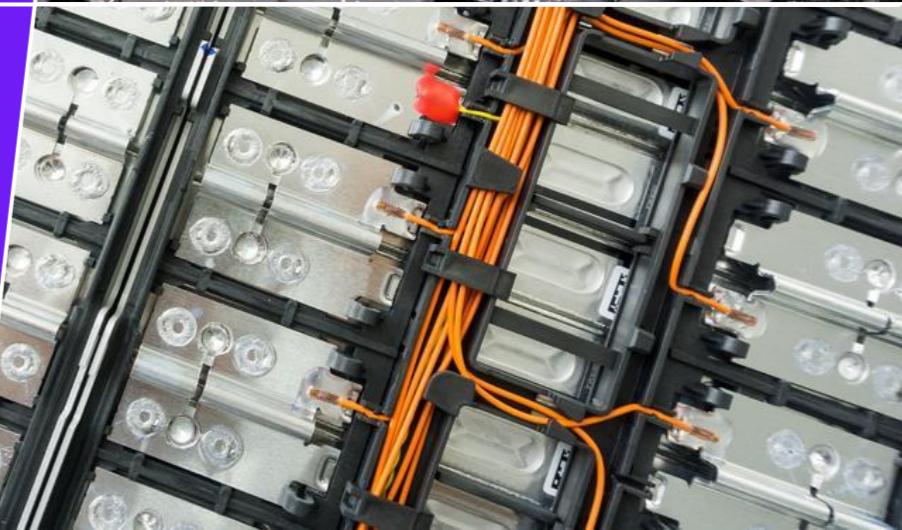
Lithium-ion Battery Recycling Market by 2040<sup>(2)</sup>  
**\$36.5 billion**



**Lead remains a dynamic market with active investments:**  
*Clarios – \$6 billion expansion (2025), Birch Hill/Terrapure – \$660 million (2021), I Squared/Entek (2025) – \$800 million*

**Lithium is the market for tomorrow with exponential growth potential**

# Proven Model, Path to Profitability



# Investment Summary: Leading the future of sustainable battery recycling

*ACE is aligned with U.S. strategic critical mineral policy, enabling it to maximize opportunities across a compelling market landscape*



## Compelling Market Opportunity

- *\$22.3 billion lead battery recycling market by 2030<sup>(1)</sup>*
- *\$36.5 billion lithium battery recycling market by 2040<sup>(2)</sup>*
- *Regulatory tailwinds driving adoption*



## Validated Green Technology Platform

- *Zero Scope 1 carbon emissions, environmentally superior process*
- *Commercial operations proven across multiple facilities*
- *Substantially lower CapEx enables rapid market capture*
- *Protected by comprehensive IP portfolio (128+ patent filings)*



## Near-Term Value Catalysts

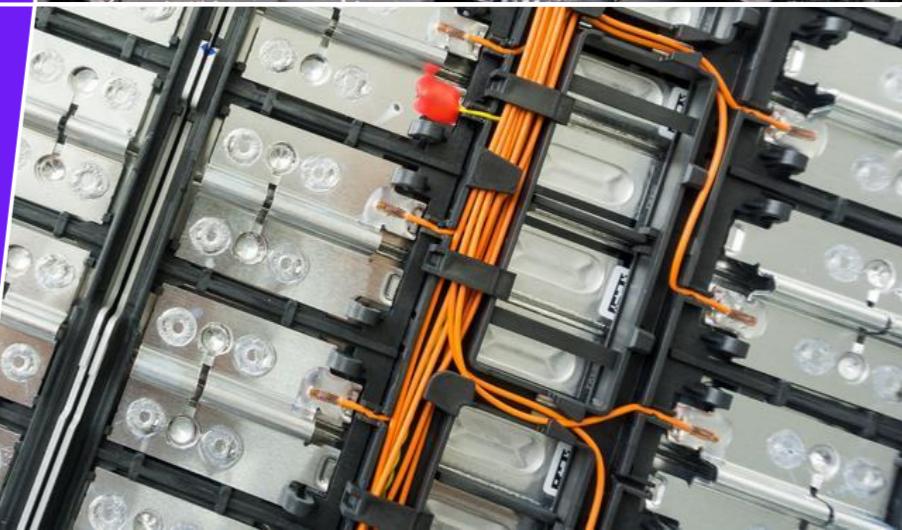
- *Texas facility commercial launch in 2027*
- *First GREENLEAD® and commercial LFP recycling facility in the U.S.*
- *Glencore 15-year offtake agreement*
- *Anticipated path to profitability by early 2027*



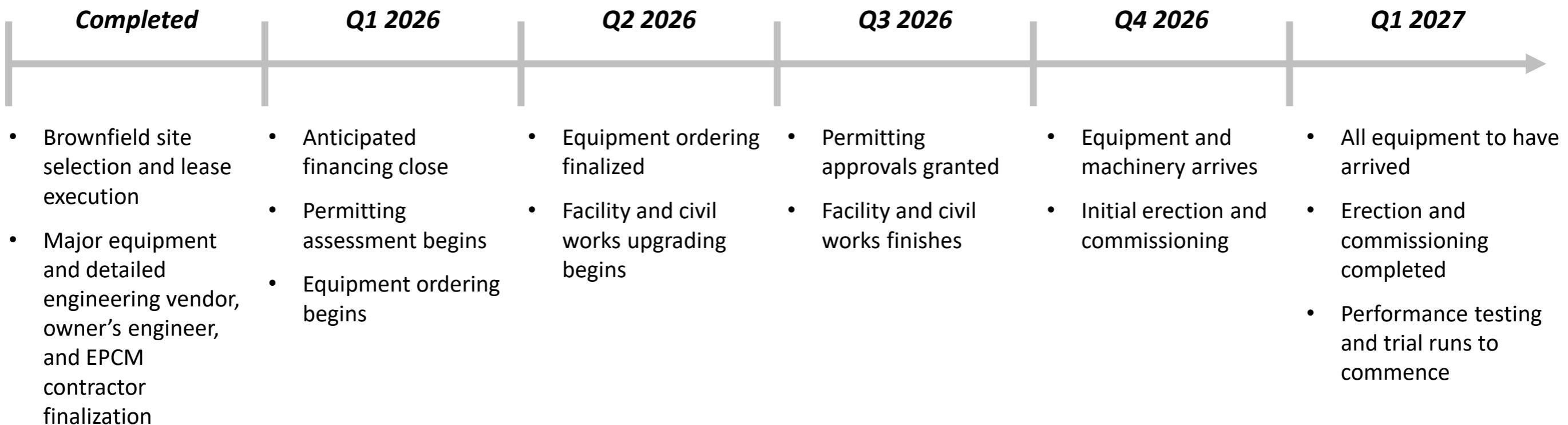
## Key Investment Highlights

- *\$25.4 million of revenues in FY 2025*
- *Multiple revenue streams: operations, licensing, supply chain & trading*
- *Capital-efficient expansion model*
- *Experienced management team with proven execution*

# Appendix



# Anticipated timeline of Texas facility



Full commercial production expected to commence in Q2 2027<sup>(1)</sup>

Facility is equipment installation ready with no additional construction required

# ACE vs. conventional lead recovery

		GREENLEAD® LAB Technology <sup>(1)</sup>	ACE Green Recycling	Traditional Smelting
Energy Source	Energy requirement	Low		High
Operations	Renewable power	Yes		No
	Operating environment	Room temperature		>1000 °C
Environmental Impact	Modular	Yes		No
EHS risk		Low to none		High
Scope 1 carbon emissions		Zero		0.5-1 kg/kg battery
Oxygen release		43 kg/1000 kg battery		No
Toxic waste creation		Very low volume		5x higher volume
%	Lead metal recovery %	99+%		95%-97%

# ACE vs. conventional lithium recovery

	Ace Lithium Tech <sup>(1)</sup> ACE Green Recycling	Pyrometallurgy	Standard Hydro Process (Solvent Extraction)	
Operations	Minimum viable plant size	5,000 Tons PA	50,000 Tons PA+	20,000 Tons PA+
	NMC battery recycling	Yes	Yes	Yes
	LFP battery recycling	Yes	No	Emerging
	Lithium recovery	80% <sup>(2)</sup>	None	30-75%
	Graphite recovery	Yes	None	Yes
	Output flexibility	Yes	No (metal only)	No
Environmental Impact	Scope 1 carbon emissions	None	High	High
	Solid waste generation	None	High	Medium
	Liquid effluents	None	Low	High
Planning Efficiency	Intellectual property defensibility	High	Very low	Very low
	Relative energy requirements	Low	High	Low
	Long term ease of permitting	High	Low (landfilling & emissions)	Low (liquid effluents)

ACE is ready to scale globally with a vast network of supply chain partners and synergies with various value participants in the value chain



# Circular supply chain of LAB batteries in the United States

