Advancing Low-Cost Manufacturing of Sulfide Solid Electrolytes for High Energy Density ASSBs



The Energy & Clean Tech Showcase

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Ampcera is empowering lives with material solutions for next-generation energy storage

Established 2017

Location

HQ: Milpitas, CA

Tech & Mfg: Tuscon, AZ 💥

Strategic Partners







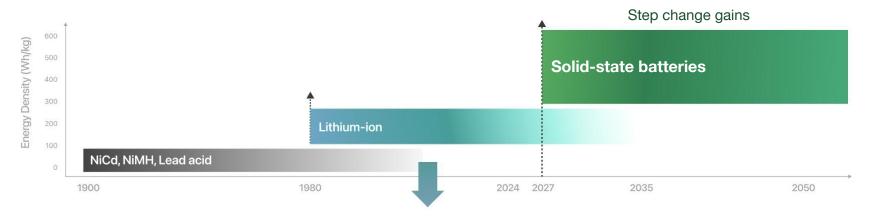
Funding \$18 million Series A

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Build the future of energy storage

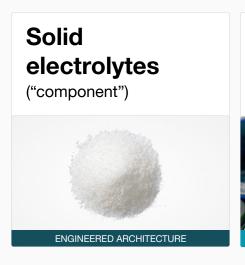






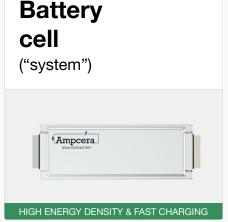
Overview of Ampcera solutions

Ampcera's robust electrolyte technology platform is driving commercialization





CELL ECOSYSTEM DESIGN

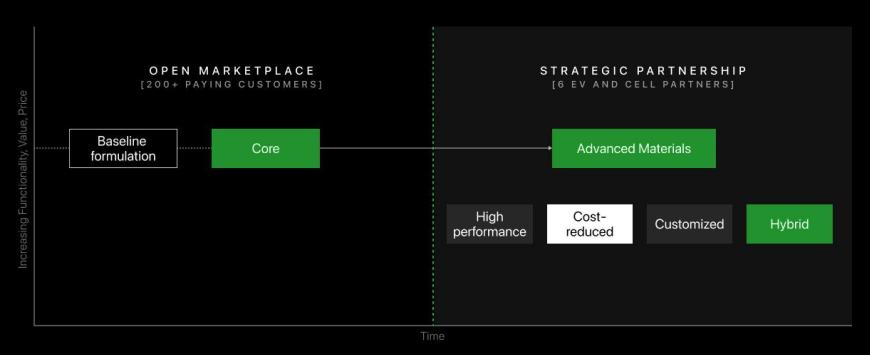




50+ patents and 90+ trade secrets covering materials, manufacturing, and cell designs



Product development and commercial traction





Realizing <\$100/kWh for ASSB cells





Cost target will be achieved by 2028, through vertical integration, low-cost manufacturing technologies, and scale.



Business model for the commercialization of safe, all-climate, fast-charging ASSB

Sale of engineered materials to battery and OEM manufacturers and licensing of battery design and process technology





Full-stack cell solution that integrates Ampcera's electrolyte technology

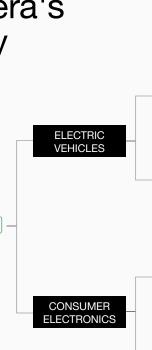
Strategic Benefits

Ability to scale-up the development with the understanding of mass-production requirements and limitations

Enjoy the economy of scale and EV-grade manufacturing know-how learning curve

Provides validation and comfort to battery gigafactories and EV OEMs to embrace solid electrolytes

Ampcera



Securing raw materials supply chain **UPSTREAM: RAW MATERIAL SOURCING** for Li₂S, P₂S₅ and other critical materials Confidential Confidential Confidential Confidential MIDSTREAM: Equipment and process development EQUIPMENT AND PROCESS DEVELOPMENT and scale-up **CELL AND MANUFACTURING PARTNERS** Sulfide solid electrolyte manufacturing Establishing strong capabilities in Confidential Confidential building battery cells via partners EV-grade mass production DOWNSTREAM: JOINT DEVELOPMENT PARTNER AND CUSTOMER manufacturing partner helps in swift validation, qualification, and Confidential Confidential Confidential commercialization Fired * EVs4ALL ARPA-E program ** DOE Grant, VTO in collaboration with Shirley Meng MIDSTREAM: CELL PARTNERS Strong capabilities in building pouch cells for CE

DOWNSTREAM: JOINT DEVELOPMENT

Confidential

PARTNER AND CUSTOMER

Confidential

Helps Ampcera achieve premium pricing for its SSE-based products



Ampcera's commitment to commercializing ASSB through innovation, cost reduction, and strategic partnerships

Seeking \$10 million pre-Series B to accelerate commercial partnerships

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Let's connect for building a sustainable future

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