Cambodia ascend elements

What is ascend elements?
elevated. Ascend Elements is an independent manufacturer of advanced battery materialsusing valuable elements reclaimed from spent lithium-ion batteries. Our patented direct precursor synthesis process transforms today's waste into high-value materials for tomorrow's EV batteries -- a giant step up in sustainability for the entire industry.

Is ascend elements a sustainable battery manufacturer?
Highlights WESTBOROUGH,Mass.,(September 6,2023) -- Ascend Elements,a U.S.-based manufacturer of sustainable,engineered battery materials for electric vehicles,today announced it has raised $542 million in new equity investments,including $460 million in Series D investments and $82 million of additional investments from earlier this year.

Does ascend elements use recycled batteries?
Several peer-reviewed studies have shown Ascend Elements' recycled battery materialsperform as well as similar materials made from virgin (or mined) sources while reducing carbon emissions by up to 93%.

Does ascend elements decarbonize EV batteries?
This is the first step in the company's decarbonization journey with SBTi. DQS Inc.,an independent certification body,recently certified Ascend Elements' electric vehicle (EV) battery recycling facility in Covington,Ga. to the ISO 9001:2015 standard for Quality Management Systems.

Why did ascend elements raise $542 million?
Ascend Elements Raises $542 Million to Accelerate Production of U.S.-engineered Lithium-Ion Battery MaterialsHighlights

What has ascend elements achieved in the last 12 months?
Over the last twelve months, Ascend Elements has achieved several significant milestones, including signing its first commercial scale pCAM contract, starting construction of its Apex 1 facility, and securing two U.S. Department of Energy (DOE) grants.

Heavy-duty electric trucks, buses, and maritime vessels in North America and Europe may soon be powered by recycled battery materials. Ascend Elements, a U.S.-based manufacturer of battery materials, will engineer ...

2 ???· When it begins producing 99 per cent pure, sustainable lithium carbonate (Li 2 CO 3) recovered from used lithium-ion batteries in the coming 12 months, Ascend Elements says this will be the first Li 2 CO 3 produced from ...

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The Ascend Elements Hydro-to-Cathode® direct precursor synthesis process manufactures new EV battery cathode active material (CAM) from recycled content with 49% lower carbon emissions compared to traditional methods and primary material from mining. By 2030, Ascend aims to achieve 90% lower carbon emissions.

Ascend Elements Recycling Processor. Address: 133 Flanders Rd., Westborough, MA, 01581, US: Email Website: ascendelements : Follow Us: Email Facebook; Twitter; LinkedIn; Copy ...

Ascend Elements has selected Ernst & Young LLP (EY US) to develop a logistics simulation model in preparation for a Q1 2025 startup of its one-million-square-foot Apex 1 EV battery materials (pCAM) manufacturing facility in Hopkinsville, Kentucky. The Apex 1 campus will employ over 400 people and produce sustainable engineered battery materials for ...

In the 2022-2023 period, SK Ecoplant invested 83.1 billion won (US$60.84 million) in a 13.09 percent stake in Ascend Elements, which makes sustainable electric vehicle (EV) battery cathode material using elements from discarded lithium-ion batteries.

Ascend Elements is revolutionizing the production of lithium-ion battery materials by establishing a clean and sustainable supply chain using recycled feedstock. Its patented Hydro-to-Cathode(TM) technology directly synthesizes new cathode materials from spent lithium-ion cells more efficiently than traditional methods, resulting in reduced cost ...

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Ascend Elements recovers up to 98 percent of the critical battery metals in used electric vehicle batteries and gigafactory manufacturing scrap. By recycling used lithium-ion batteries and scrap with its Hydro-to ...

In October 2022, Ascend Elements began construction of its Apex 1 facility on a 140-acre site in southwest Kentucky. When complete, the 1-million-square-foot facility will produce enough sustainable pCAM for 750,000 electric vehicles per year. Ascend Elements was also awarded two U.S. Department of Energy grants totalling $480 million.

"We are excited to invest in Ascend Elements, which has established itself as a leader in the fast-growing sustainable battery materials space that is vital to accelerating the electrification of transport," said Dr. ...

Founded in 2015, Ascend Elements is a recycling specialist that uses advanced particle engineering techniques to transform used lithium-ion batteries and scrap into highly engineered precursors and cathode active ...

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1 ??· US battery company Ascend Elements has announced that it will be operating a new recycled lithium carbonate production line at its Covington site in Georgia from 2025. ...

Ascend Elements, a Massachusetts-based battery recycling and engineered materials company, and EcoPro Group have released a memorandum of understanding (MOU) agreement to cooperate in the development, qualification, and integration of recycled battery materials into EcoPro"s cathode products.. EcoPro is a cathode active material (CAM) supplier ...

Ascend Elements has been named to TIME Magazine"s Top Green Tech Companies of 2024 list. Ascend Elements Raises Additional $162 Million to Build Sustainable Lithium-Ion Battery Materials in United States. Ascend Elements today announced it has raised $162 million in new equity investments.

3 ???· The Ascend Elements facility in Covington is one of North America"s largest lithium-ion battery recycling facilities. In operation since August 2022, the plant has the capacity to recycle up to 30,000 metric tons of lithium-ion battery ...

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