Mongolia 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.

What are the elements in the Mongolian symbol?
The elements in the symbol are given the following significance (from top): Fire is a general symbol of eternal growth, wealth, and success. The three tongues of the flame represent the past, present, and future. Sun and moon symbolize that the Mongolian nation will exist for eternity as the eternal blue sky.

What is ascend elements apex 1?
The funding will advance the construction of Ascend Elements' Apex 1 facility,a sustainable cathode precursor (pCAM) and cathode active material (CAM) manufacturing facility,in Hopkinsville,Kentucky. CAM and pCAM are engineered materials made to precise microstructure specifications for use in electric vehicle batteries.

How many grants did ascend elements receive?
Ascend Elements was also awarded twoU.S. Department of Energy grants totalling $480 million. "I'm extremely proud of our team and the amazing progress that we've been able to achieve over the last year," added O'Kronley.

How much money has ascend elements raised?
Ascend Elements Ascend Elements has raised $542 millionin new equity investments,including $460 million in Series D investments and $82 million of additional investments from earlier this year. Ascend Elements' Series D round was led by Decarbonization Partners,a Singapore-based investment firm Temasek,and Qatar Investment Authority (QIA).

The Science Based Target Initiative (SBTi) has recognized Ascend Elements" commitment to set near-term and net-zero company-wide emissions reductions in line with climate science. This is the first step in the company"s decarbonization with SBTi.

Mike O"Kronley, CEO of Ascend Elements, says China is "very efficient," and "in order to effectively compete with China and the entire battery ecosystem that exists in China, you really need to...

5 ???· Ascend Elements" lithium recovery process is a game-changer for sustainability. Producing just 2.27 kilograms of CO2 emissions per kilogram of Li2CO3, the method is ...

5 ???· COVINGTON, Ga., Dec. 10, 2024 /PRNewswire/ -- Ascend Elements, a vertically integrated battery materials company, will begin producing >99% pure, sustainable lithium carbonate (Li 2 CO 3 ...

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Ascend Elements is commercializing an efficient method to make sustainable pCAM and CAM from black mass, the traditional output of lithium-ion battery recycling facilities. The hydro-to-cathode direct precursor synthesis process eliminates several intermediary steps in the traditional cathode manufacturing process and provides significant ...

6 ???· Ascend Elements" patented Hydro-to-Cathode® direct precursor synthesis technology produces new cathode material from spent lithium-ion cells more efficiently than traditional ...

Ascend Elements manufactures advanced battery materials using valuable elements reclaimed from discarded lithium-ion batteries. Our patented Hydro-to-Cathode process transforms todays waste into high-value materials for tomorrow"s EV batteries a giant step up for sustainability and the entire industry.

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Using its patented Hydro-to-Cathode process and recycled materials, Ascend Elements can manufacture new EV battery material (NMC 622 cathode) at a 49 percent reduction in carbon emissions compared to traditional cathode manufacturing processes that rely on primary materials from mining. By 2030, the company aims to achieve a 90 percent ...

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3 ???· Ascend Elements, a vertically integrated battery materials company, will begin producing greater than 99% pure, sustainable lithium carbonate (Li 2 CO 3) recovered from ...

Ascend Elements manufactures advanced battery materials using valuable elements reclaimed from discarded lithium-ion batteries. Our patented Hydro-to-Cathode ...

5 ???· Ascend Elements" lithium recovery process is a game-changer for sustainability. Producing just 2.27 kilograms of CO2 emissions per kilogram of Li2CO3, the method is significantly less carbon-intensive than conventional techniques like spodumene mining (16.7 kg CO2/kg Li2CO3) or Chilean brine extraction (3.6 kg CO2/kg Li2CO3). ...

Ascend Elements" patented Hydro-to-Cathode process simplifies the recycling process and transforms

discarded EV batteries into advanced battery materials that rival or even surpass ...

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