Ascend elements Norway

Who is ascend elements?

Founded in 2015 and based in Massachusetts,Ascend Elements is a leading provider of sustainable,closed-loop battery material solutions. Beyond battery recycling,the company produces sustainable lithium-ion battery materials,including Li 2 CO 3,NMC pCAM and NMC CAM made from recycled battery materials.

Will ascend elements produce lithium carbonate in 2025?

Ascend Elements, a vertically integrated battery materials company, will begin producing >99% pure, sustainable lithium carbonate (Li2CO3) recovered from used lithium-ion batteries at its facility in Covington, Ga. in 2025. The company plans to produce up to 3,000 metric tons of sustainable, domestic Li2CO3 per year.

What is ascend elements' hydro-to-cathode® technology?

"Ascend Elements' Hydro-to-Cathode® technology provides a sustainable option for production of critical battery materials,championing circularity in an industry that is poised to scale significantly. We're looking forward to supporting Ascend Elements in its growth journey." If playback doesn't begin shortly,try restarting your device.

Could ascend elements unlock critical battery materials for electric vehicles?

With its first pCAM facility in construction in the United States,Ascend Elements has the potentialto unlock the supply of critical battery materials to accelerate the roll out of electric vehicles," said Aruna Ramsamy,a Managing Director at Just Climate.

How much money has ascend elements raised?

Ascend Elements today announced it has raised $162 millionin new equity investments. Latest funding adds to the company's recent $542 million equity round for a 12-month funding total of $704 million

How much carbon dioxide does ascend elements produce?

According to Gratz,Ascend Elements' innovative lithium recovery process produces a remarkably low level of carbon dioxide emissions compared to conventional methods like mining and brine extraction. Ascend Elements' innovative lithium extraction process produces just 2.27 kgof CO 2 emissions per 1 kg of Li 2 CO 3 produced.

Sustainable electric vehicle battery materials company ranked #1 in Automotive category. WESTBOROUGH, Mass., March 19, 2024 /PRNewswire/ -- For the second year in a row, Ascend Elements has been ...

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 recycled material in the United States. Ascend points out that the only other source of

domestically produced lithium carbonate is from a mining ...

140-acre facility and campus will produce sustainable EV battery precursor and cathode active material for 250,000 electric vehicles per year. HOPKINSVILLE, Ky. (October 20, 2022) -- Ascend Elements began construction of its largest ...

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 ...

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

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 materials. Following the stake sale, SK Ecoplant has recouped $98.23 million, more than its total investment, which it is expected to ...

Our advantage starts with a remarkable innovation: Other processes leach metals out of spent battery materials, but our patented Hydro-to-Cathode direct precursor synthesis process leaches out impurities, keeping the valuable metals in ...

In June 2023, Ascend Elements signed a $1 billion contract to supply sustainable pCAM starting in Q4 2024 with options to expand the multi-year contract to a larger quantity with a value of up to $5 billion. In October 2022, Ascend Elements began construction of its one-of-a-kind Apex 1 facility on a 140-acre site in southwest Kentucky.

Ascend Elements and Orbia Koura are currently in discussions to supply IRA-compliant, battery-grade graphite to several electric vehicle original equipment manufacturers (OEMs) and battery ...

About Ascend Elements Based in Westborough, Mass., Ascend Elements is a leading provider of sustainable, closed-loop battery materials solutions. From EV battery recycling to commercial-scale ...

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 ...

Ascend Elements is revolutionizing the production of lithium-ion battery materials by establishing a clean and sustainable supply chain using recycled feedstock. The patented Hydro-to-Cathode® direct precursor synthesis technology ...

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 ...

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

3 ???· 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 ...

Ascend Elements is a fast paced and growing battery recycling company. You will play a crucial role to meet important deadlines and support our future goals. You can make a difference -- creating a truly sustainable battery industry. With North America"s largest battery recycling facility, strong relationships across the industry and our ...

Web: https://www.worldtheologicaluniversity.co.za