



# Yemen ascend elements

Who is ascend elements?

Ascend Elements is an independent manufacturer of advanced battery materials using valuable elements reclaimed from spent lithium-ion batteries. Our patented Hydro-to-Cathode™ 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.

Are the people of Yemen on the verge of ascending?

The people of Yemen are on the verge of ascending upon you as if they are clouds. They are the best (people) on Earth. Then a man from the Ansar (the Helpers from Madinah) said, 'Aren't we O Messenger of Allah?' Then he was silent.

Is ascend elements a good company?

Ascend Elements ranked #1 in Automotive on Fast Company's Most Innovative Companies of 2024 list. Ascend Elements ranked #10 by TIME Magazine as one of America's Top Green Tech Companies of 2024. Beyond recycling -- we produce sustainable EV battery material.

The Ascend Elements facility in Covington is one of the largest EV battery recycling facilities in North America with capacity to process 30,000 metric tons of used lithium-ion batteries and scrap per year. The 154,000 square foot facility in Newton County contains battery discharge and disassembly processes, battery shredding, lithium ...

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. Science-based targets show companies and financial institutions how much and how quickly they need to reduce ...

Several peer-reviewed studies have shown Ascend Elements' recycled EV battery materials perform as well as similar materials made from virgin (or mined) sources while reducing carbon emissions associated with mining. The company currently can recycle 30,000 metric tons of EV batteries per year, or about 70,000 EV batteries annually. ...

Ascend Elements and EcoPro Group today announced a memorandum of understanding (MOU) agreement to cooperate in the development, qualification, and integration of recycled battery materials into EcoPro's cathode products. The agreement paves way for a sustainable, closed-loop supply of domestic lithium-ion battery materials in the United ...

Reviews from Ascend Elements employees about Ascend Elements culture, salaries, benefits, work-life balance, management, job security, and more. Home. Company reviews. Find salaries. Sign in. Sign in.



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Employers / Post Job. 1 new update. Start of main content. Ascend Elements. 3.0 out of 5 stars. 3.0. 4 reviews ...

With this elegant technology, Ascend Elements can manufacture NMC pCAM and CAM from used lithium-ion batteries and battery manufacturing scrap to precise customer specifications. The closed-loop process eliminates up to 15 intermediary steps in the traditional cathode manufacturing process and provides significant economic and carbon-reduction ...

Ascend Elements, a vertically integrated battery materials company, will begin producing greater than 99% pure, sustainable lithium carbonate (Li<sub>2</sub>CO<sub>3</sub>) recovered from used lithium-ion batteries at its facility in Covington, Georgia, in 2025. The company plans to produce up to 3,000 metric tons of sustainable, domestic Li<sub>2</sub>CO<sub>3</sub> per year. Currently, recycled Li<sub>2</sub>CO<sub>3</sub> ...

Ascend Elements (TM) ...

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 ...

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 ...

Agreement secures lithium carbonate for use in advanced lithium-ion battery materials. WESTBOROUGH, MASS., (March 14, 2023)- Ascend Elements, a vertically integrated lithium-ion battery recycling and engineered materials company, will supply Koura Global, an Orbia business and one of the world's largest producers of fluoroproducts and advanced ...

The average Ascend Elements salary ranges from approximately \$51,072 per year for IT Technician to \$134,174 per year for Staff Scientist. Average Ascend Elements hourly pay ranges from approximately \$14.71 per hour for Receiving Associate to \$25.46 per hour for Process Technician.

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 ...

Ascend Elements says that the shipment is notable as one of North America's first deliveries of engineered cathode materials for a specific battery application as part of a commercial vehicle validation and launch process. Cathode materials made from recycled battery metals can help EV battery manufacturers qualify for U.S. tax credits under ...



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Ascend Elements General Information Description. Manufacturer of battery materials intended to improve performance, reduce cost, and enhance efficiency. The company produces cathode materials directly from recycled battery feedstock by recovering valuable materials, enabling electric vehicle industries to adopt sustainable practices and minimize environmental impacts.

Ascend Elements and Koura, an Orbia business, have launched a proprietary process technology yielding battery-grade graphite material from spent lithium-ion batteries. Orbia is serving as a development partner to Ascend Elements to scale the company's technology for commercial production. Orbia has also backed the company through several investment rounds.

Ascend Elements Hydro-to-Cathode(TM) ...

Your Expert Guide to EV Battery Recycling Make Ascend Elements your first and only call to move your lithium-ion battery inventory. Ride the wave to maximized value with lithium-ion battery recycling Electric Vehicle (EV) batteries have value, even at their end-of-life. With extensive knowledge of EV battery types and chemistries, the team at Ascend Elements [...]

DQS Inc., an independent certification body, has certified Ascend Elements" electric vehicle (EV) battery recycling facility in Covington, Georgia, to the ISO 9001:2015 standard for quality management systems. ...

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 reduction in ...

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 has recycled used lithium-ion batteries for American Honda Motor Co. since 2021. The new agreement is an important step toward creating a closed-loop supply chain for recycled battery materials - including lithium, nickel, and cobalt - leveraging the efficiencies and environmental benefits of Ascend Elements" patented Hydro-to-Cathode(TM) ...



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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.

Ascend Elements co-founder Yan Wang was featured in Scientific American on Feb. 1, 2022. The article takes a deep dive into the lithium-ion battery recycling process Wang invented at Worcester Polytechnic Institute. The technology is now used by Ascend Elements and called the Hydro-to-Cathode(TM) process.

Ascend Elements, 5.42, 4.6, D, 8200, Ascend Elements, D (QIA)

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