



Investment in battery recycling production lines

What is the future of battery recycling?

The Nevada-based metals recycler expects the market for battery recycling to top \$18.7 billion by the end of the decade. The blank slate means that nimble startups and long-established players have an opportunity to set the industry's direction.

Are EV manufacturers turning to battery recycling?

Automakers and suppliers, keen to fortify an EV supply chain and avoid raw materials shortages, are turning to a domain once overlooked: battery recycling. Suddenly awash in interest from EV makers and venture firms, the sector has seen a spate of partnerships and funding deals in the past 18 months.

How much money has been invested in the battery industry?

In the last five years alone, \$42 billion in venture capital and growth equity have been invested in the sector, according to a TechCrunch and PitchBook analysis. VW has backed solid-state battery company QuantumScape, BMW has invested in Our Next Energy and GM has put money into fast-charging battery startup Soelect as well as SolidEnergy Systems.

How can battery recycling improve the sustainability of electric vehicles?

On top, battery recycling further improves the sustainability of electric vehicles as recycled metals have a significantly lower carbon footprint compared to metal production from mining.

Will Ascend Elements open a battery recycling plant near SK on?

Ascend Elements plans to open in Augusta a \$43 million battery recycling plant near SK On to handle lithium, cobalt and nickel. Suddenly awash in interest from EV makers and venture firms, battery recycling has seen a spate of partnerships and funding deals in the past 18 months.

Does BASF offer battery recycling solutions in Europe?

BASF offers battery recycling solutions worldwide and is actively contributing to the establishment of a competitive battery recycling footprint in Europe, while reducing the industry's dependence on imported key raw materials.

The Niti Aayog predicts that India's EV battery recycling market is set to expand to 128 GWh by 2030 -- from a mere 2 GWh in 2023. This is undoubtedly spurred on by an over 200% year-on-year growth in EV sales since the end of the pandemic. Yet, modern batteries are a complex mix of materials and will require specialist policies and infrastructure for India to fully ...

We have analyzed recycling technologies, feedstock, and waste process paths to gain a better understanding of the quantity and throughput of waste batteries. In-process and end-of-line production scrap will amount to

GWh equivalents if the EU gigafactory pipeline meets capacity as planned.

Key Trends in the Lithium Battery Recycling Market. The lithium battery recycling industry is evolving swiftly, with several significant trends reshaping the market landscape: 1. Expanding Global Recycling Capacity. Global recycling capacity exceeded 300 GWh in 2023, with China accounting for over 80%. Capacity is projected to surpass 1,500 ...

Samsung SDI made an equity investment in PMGROW, a waste battery recycling company. POSCO HY Clean Metal is a corporation jointly established by POSCO and China's Huayou Cobalt 65-35 in May in 2021. The company is building a battery recycling production line by investing 120 billion won. The goal is to complete it in July in 2022. POSCO ...

Bosch Ventures, the corporate venture capital unit of the Germany-based Bosch Group, has announced two significant investments in the battery recycling sector within a week, directing funds to Pineville, North Carolina-based Li Industries and Germany-based Cylib.

Bosch Ventures invested in the \$36m funding round for Li Industries, a North Carolina-headquartered company focused on developing next-generation lithium-ion battery recycling technologies. Bosch Ventures co-lead the Series B funding round, together with Khosla Ventures and LG Tech Ventures.

Bosch Ventures invested in the \$36m funding round for Li Industries, a North Carolina-headquartered company focused on developing next-generation lithium-ion battery recycling technologies. Bosch Ventures co-lead ...

The innovations in battery recycling promote green supply chains of battery material. The startups listed are helping recover valuable materials such as cobalt, lithium, and nickel through advanced battery recycling technology. These companies are vital in minimising the dependence on fresh resources for manufacturing new batteries They are ...

Instead of using acids, CO2 captured in factories will be used to recycle battery production rejects. If the pilot phase is a success, industrialization for a capacity of 6,000 to 8,000T (with the support of Renault, Arkema and Schneider Electric) is envisaged on the Verkor gigafactory site currently under development in Dunkirk (northern ...

"Battery-News" presents an up-to-date overview of planned and already implemented projects in the field of lithium-ion battery recycling. The relevant data comes from official announcements by the respective players and from reliable sources on battery production. All individual references are available on the right-hand side of this page ...

According to a news release from PNE, the joint pilot line hosts a full range of capabilities, including plasma

equipment. As what it describes as the first end-to-end, production-scale direct recycling line in the U.S., Princeton PNE's proprietary technology directly processes LIBs ranging from consumer electronics to full EV battery packs.

"Battery-News" presents an up-to-date overview of planned and already implemented projects in the field of lithium-ion battery recycling. The relevant data comes from official announcements by the respective players ...

The lithium-ion battery recycling industry is still young and has much to learn from the more established lead-acid battery recycling industry. That said, there are immediate steps that the key lithium-ion players -- including recyclers, battery and component manufacturers, as well as policymakers -- can take to lay the foundations for a thriving and sustainable circular battery ...

Once a battery goes out of the production line, it is usually unclear what happens to it. It is not just the mining activities which are suspect, but processes used in refining, production, as well as Lithium ion battery recycling, leave much to be desired. We address this by championing an end-to-end traceability system for full visibility on ...

As demand for electric vehicles (EVs) grows across the world, volumes of battery production scrap and end-of-life batteries will increase exponentially. With over 15 years of unrivalled expertise in battery recycling at industrial scale, Umicore is in a unique position to meet the needs of automotive manufacturers and the wider EV supply chain.

There's no need for ten shredding lines to get the desired output. Our recycled black mass yields back alloys with a very high quality, pretty much rivalling that of virgin materials. Our results outperform that of traditional pyrological and hydrological methods." Umicore proved commercial-scale battery recycling using its ...

Web: <https://doubletime.es>

