12:02:39 ACE Green Recycling Eyes Emerging Markets For Battery Recycling

By Yusuf Khan

Houston-based ACE Green Recycling Inc is planning to take advantage of a lack of competition and growing demand to become a leading battery-recycling company within emerging markets as the nascent industry develops globally.

Recycling of electric vehicle batteries has been growing within the last few years, as the uptake of EVs does also. Most projects and firms have been based in Europe, North America and China, but the company's Chief Executive Nischay Chadha in an interview with Dow Jones Newswires said ACE Green was aiming to change this.

"Batteries themselves are evolving as are supply chains and so we need to be versatile," Mr. Chadha said. "The industry is moving faster than companies, everyone is playing catch up."

Mr. Chadha, who formerly worked at commodity trading house Trafigura Group Pte. Ltd., said that establishing in fast-growing economies like Singapore and India means the company can grow with the market and its needs.

"Supply chains are going to get localized so if you can enter the market today then you can grow with the market and it makes it harder to replace us."

ACE Green's battery recycling system is based on its proprietary emissions-free technology that uses a modular approach, where recycling modules can be set up back to back to break down lithium, lead-acid and metal scrap into component parts.

Mr. Chadha said that one of the main aims was to be able to break down all types of batteries--not just specific chemistries from a single manufacturer--with oxygen the only emission.

He added that working in emerging markets means you can adapt more easily to a wider range of needs, giving the example that e-scooters and e-waste would be more common in Southeast Asia compared to electric car batteries in Western economies.

The company's lead modules need a minimum of 500kg of feed a day, but Mr. Chadha said the optimal capacity was two metric tons--leading to 100 tons of lead acid battery equivalent a month being recycled. For the lithium modules 15 tons of black mass a month can be processed, equivalent to 30 to 50 tons of batteries.

The company, which was established in 2021, is opening a recycling facility in Texas later this year with projects in India, Singapore, the Middle East and another in Southeast Asia in the pipeline.

Mr. Chadha added that the company was also looking into waste from mine tailings and metal scrap to add to its recycling portfolio.

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Corrections and Amplifications

This article was corrected on Oct. 13, 2022 because it incorrectly said oxygen was the only byproduct from broken-down lead acid batteries after recycling.. Oxygen is the only emission from broken-down lead acid batteries after recycling.

14:16:32 Correction to Ace Green Recycling Article on Oct. 12

Oxygen is the only emission from broken-down lead acid batteries after recycling. "Ace Green Recycling Eyes Emerging Markets For Battery Recycling," at 1102 GMT on Oct. 12, incorrectly said oxygen was the only byproduct.

(END) Dow Jones Newswires

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