UNDER EMARGO UNTIL 8:00 AM ET ON 8/20/25

Ace Green Recycling Unveils Innovative Grid Metallics Processing System to Support Antimony Recovery and Sustainable Lead Battery Recycling

Solution enables lead battery recyclers and smelters to bypass furnaces and maximize recovery rates

Houston August 20, 2025 – Ace Green Recycling, Inc. ("Ace" or the "Company"), a leading provider of sustainable battery recycling technology solutions, today announced the unveiling of its innovative and proprietary Grid Metallics Processing System ("GMPS").

Ace's GMPS operates at room temperature and offers a transformative solution for lead battery recyclers. It allows them to recover clean alloy metal directly from their battery breaking systems, bypassing the need for a smelting furnace. This process not only produces high-quality lead alloys more efficiently but also helps recyclers debottleneck their operations, enabling them to process more lead battery paste without increasing their existing smelting capacity.

One of the GMPS's key advantages is its ability to preserve valuable metals like antimony and tin, some of which are often lost during traditional smelting. This not only maximizes recovery rates but also ensures that valuable resources aren't wasted. With the antimony supply shortage intensifying following export controls implemented by China, the largest producer of the material, the Company expects that its GMPS will help alleviate upward pricing pressure for current and prospective customers.

This new solution is a core part of Ace's overall globally recycling technology platform and is currently being deployed in key markets, including Armenia (Mel Metals), Taiwan (ACME Metal Enterprises), India (Raj Metal Industries) and Thailand (IPP Lead and Metals).

Ace's GMPS Highlights:

- **Preserves Valuable Metals:** The GMPS prevents the loss of valuable alloying elements like antimony and tin, which are often lost in traditional smelting. This reduces the need for additional metals during the manufacturing of lead alloys.
- **Boosts Smelting Efficiency:** By freeing up smelting furnace capacity, the GMPS helps recyclers save money and increase overall output. This allows them to process more lead battery paste without expanding their existing infrastructure.

The GMPS leverages Ace's combination of advanced physical separation and room-temperature chemical washing. The Company expects that its solution can enable lead battery recyclers to increase their throughput by up to 25%, by freeing up smelting capacity.

"Our new metallics cleaning system directly solves two major problems in lead recycling," said Vipin Tyagi, CTO and Co-Founder of Ace. "First, it makes smelting capacity more efficient by processing grid metallics separately. Second, it prevents the loss of valuable alloying elements that are typically burned off during high-temperature smelting. We are seeing significant commercial interest in our GMPS from emerging markets because it provides so much value, and we look forward to bringing this innovation to more markets soon."

About Ace Green Recycling

Ace Green Recycling, Inc., incorporated in Delaware, is an innovative battery recycling technology platform offering sustainable end-of-life solutions. It has deployed modular, Scope 1 carbon emissions-free recycling facilities for lithium (nickel-manganese-cobalt & lithium iron phosphate) and lead batteries used in various industries including electronics, automotive and energy storage. Ace was founded by Nishchay Chadha, Chief Executive Officer and a veteran in recycling, mining and global supply chain industries, and Dr. Vipin Tyagi, Chief Technology Officer, with extensive experience in battery materials recycling technologies. For more information, please visit www.acegreenrecycling.com.

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Forward-Looking Statements

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