

# American Manganese Inc.

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## American Manganese ramps up testing of RecycLiCo pilot plant for recycling lithium-ion batteries

American Manganese Inc (CVE:AMY) (OTCMKTS:AMYZF) has reached another milestone in the development of its breakthrough technology for recycling lithium-ion batteries.

The firm's contract research lab, Kemetco Research has now begun testing for stages 3, 4, and 5 of its RecycLiCo pilot plant, it said in a statement Thursday.

The process allows for high extraction rates of cathode metals, such as lithium, cobalt, nickel, manganese, and aluminum at battery grade purity, with minimal processing.

### READ THE DEEP DIVE: American Manganese is advancing its breakthrough recycling process to create high value battery cathode materials

Stages 1 and 2 of the plant consisted of the successful pre-treatment and leach of NMC (nickel, manganese cobalt) and NCA (nickel, cobalt, aluminum) cathode material, which produced 500L (liters) of pregnant leach solution of each chemistry.

Kemetco began conducting tests of the final stages using the NMC leach solution and determined flow sheet optimizations for the pilot plant with the goal of creating high purity base metals.

American Manganese said that Kemetco had integrated a new and patentable technology to the final stages of the plant process that reduces reagent consumption and by-product production.

The firm will file for the new patent following completion of testing.

The Surrey-based company is focused on supplying the demand for mined battery raw materials and creating IP (intellectual property) to develop its patented lithium-ion battery recycling process.

### Blazing a trail

It is blazing a trail in the recovery of metals from scrap cathode material rejected by battery manufacturers and is focused on recycling electric-vehicle (EV) lithium-ion batteries.

Due to the rapid development and commercialization of EVs, the demand for lithium-ion batteries is growing exponentially and the raw materials supply is struggling to keep up.

Lithium, cobalt, manganese, nickel, and aluminum are all used as feedstock for battery production.

The recoverable value for these metals is estimated to be as high as US\$75.8M per gigawatt of lithium cobalt batteries,

**Price:** 0.22

**Market Cap:** \$40.59 m

#### 1 Year Share Price Graph



#### Share Information

**Code:** AMY

**Listing:** TSX-V

**52 week High Low**  
0.275 0.095

**Sector:** Renewable Energy

**Website:**  
[www.americanmanganeseinc.com](http://www.americanmanganeseinc.com)

#### Company Synopsis:

American Manganese Inc. is a critical metals company focused on the recycling of lithium-ion batteries with the RecycLiCo™ Patented Process. The process provides high extraction of cathode metals, such as lithium, cobalt, nickel, manganese, and aluminum at battery grade purity, with minimal processing steps. American Manganese Inc.

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according to American Manganese data.

Shares in Toronto eased 3.45% to \$0.14.

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