



RecycLiCo™

BATTERY MATERIALS

Recover. Reuse. Repeat

Disclaimer

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An Innovative Technology to Enable Battery Material Circularity

Company Overview

RecycLiCo Battery Materials Inc. is a publicly traded battery materials company that invents and develops proprietary process designed to **efficiently generate battery-ready materials from lithium-ion battery waste** and owns claims to a low-grade manganese deposit in Arizona.

RecycLiCo patented process was invented in 2016 and has advanced from concept to reality

One-of-a-kind **demonstration facility in Vancouver, Canada** (500 kg/day) has over 10,000 man-hours with **ready to scale** engineering data

In-depth technical and business discussions with leading companies in the lithium-ion battery industry



Patents Granted Worldwide



UNITED STATES
PATENT AND TRADEMARK OFFICE
uspto



특허청
Korean Intellectual
Property Office



Canadian
Intellectual Property
Office



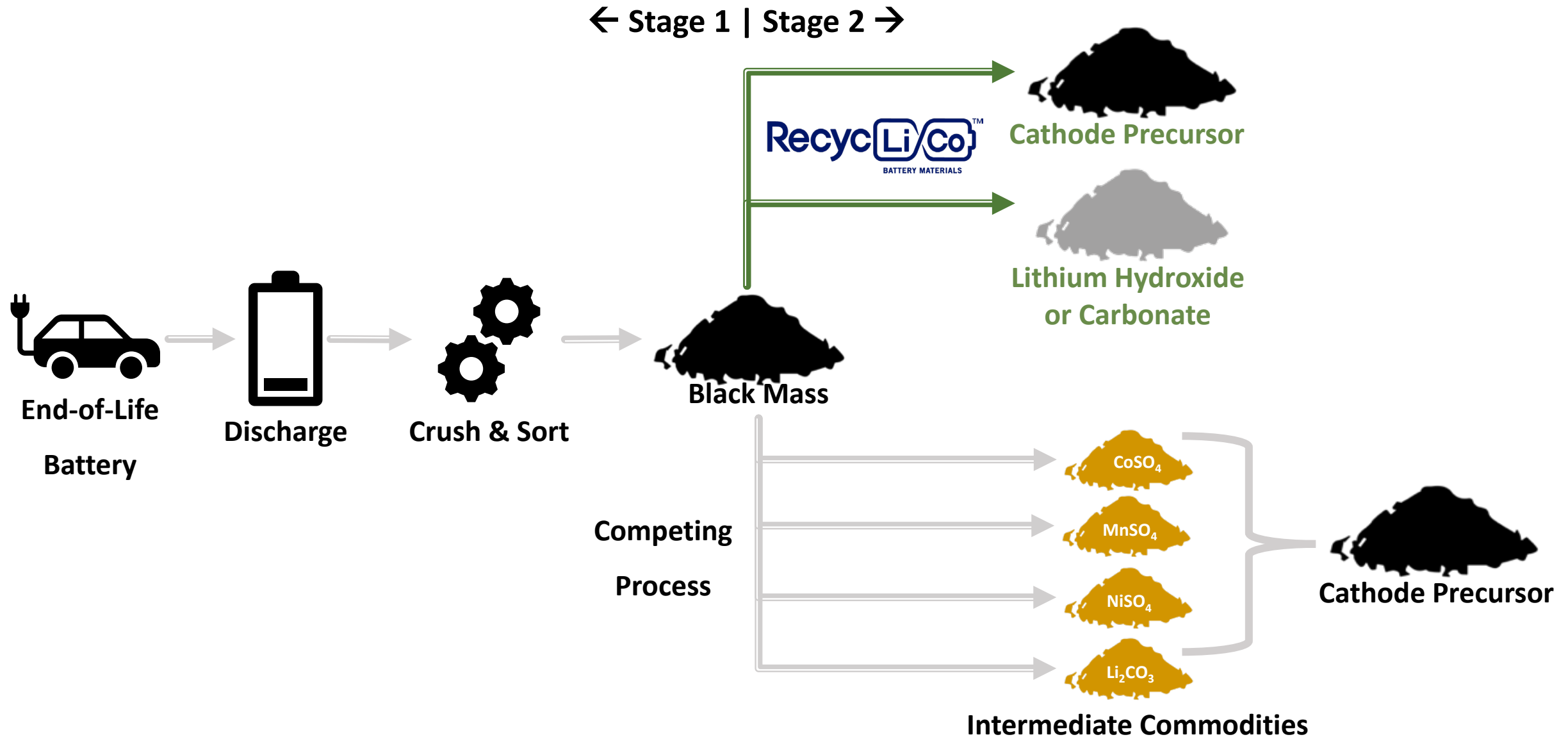
INTELLECTUAL
PROPERTY **INDIA**



CNIPA

China National Intellectual Property

Battery Recycling and Upcycling Stages



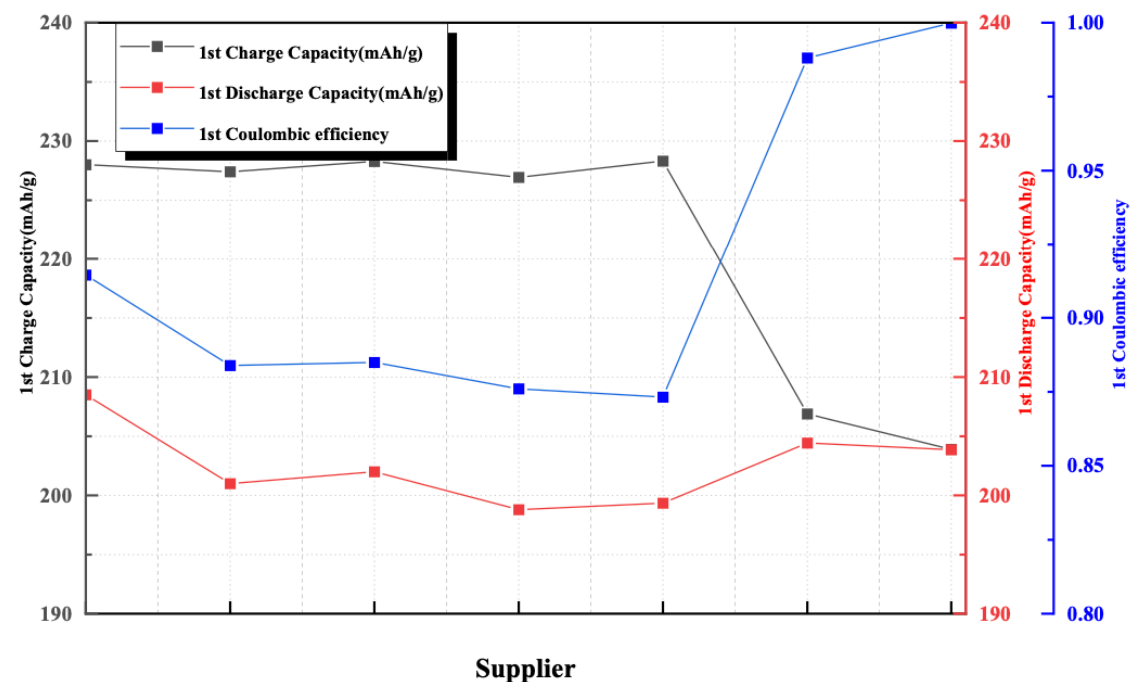
Adaptable Inputs and Outputs for Circular Battery Materials



RecycLiCo extracts **up to 100%** of cathode metals and is capable of recycling-upcycling modern cathode chemistries from cathode scrap and black mass such as:

- Nickel Manganese Cobalt (NMC)
- Nickel Cobalt Aluminum (NCA)
- Lithium Cobalt Oxide (LCO)
- Lithium Manganese Oxide (LMO)
- Lithium Iron Phosphate (LFP)

Industry Validated Products



Supplier				
Supplier	Chemical composition [Ni:Co:Mn]	1st Charge Capacity(mAh/g)	1st Discharge Capacity(mAh/g)	1st Coulombic efficiency
A	83 : Unknown : Unknown	228.0 mAh/g	208.5 mAh/g	91.4%
B	79.9 : 11.6 : 8.5	227.4 mAh/g	201.0 mAh/g	88.4%
C	83.3 : 10.9 : 5.8	228.3 mAh/g	202.0 mAh/g	88.5%
D	83.8 : 10.9 : 5.3	226.9 mAh/g	198.8 mAh/g	87.6%
E	80 : 10 : 10	228.3 mAh/g	199.4 mAh/g	87.3%
RecycLiCo	80 : 10 : 10	206.9 mAh/g	204.4 mAh/g	98.8%
B(Recycle)	90.4 : 8.1 : 1.5	203.9 mAh/g	203.9 mAh/g	100.0%

“According to the report, RecycLiCo’s recycled precursor has better performance than the other recycled precursor, and similar level with other commercial precursor samples” – Korean Cathode Manufacturer

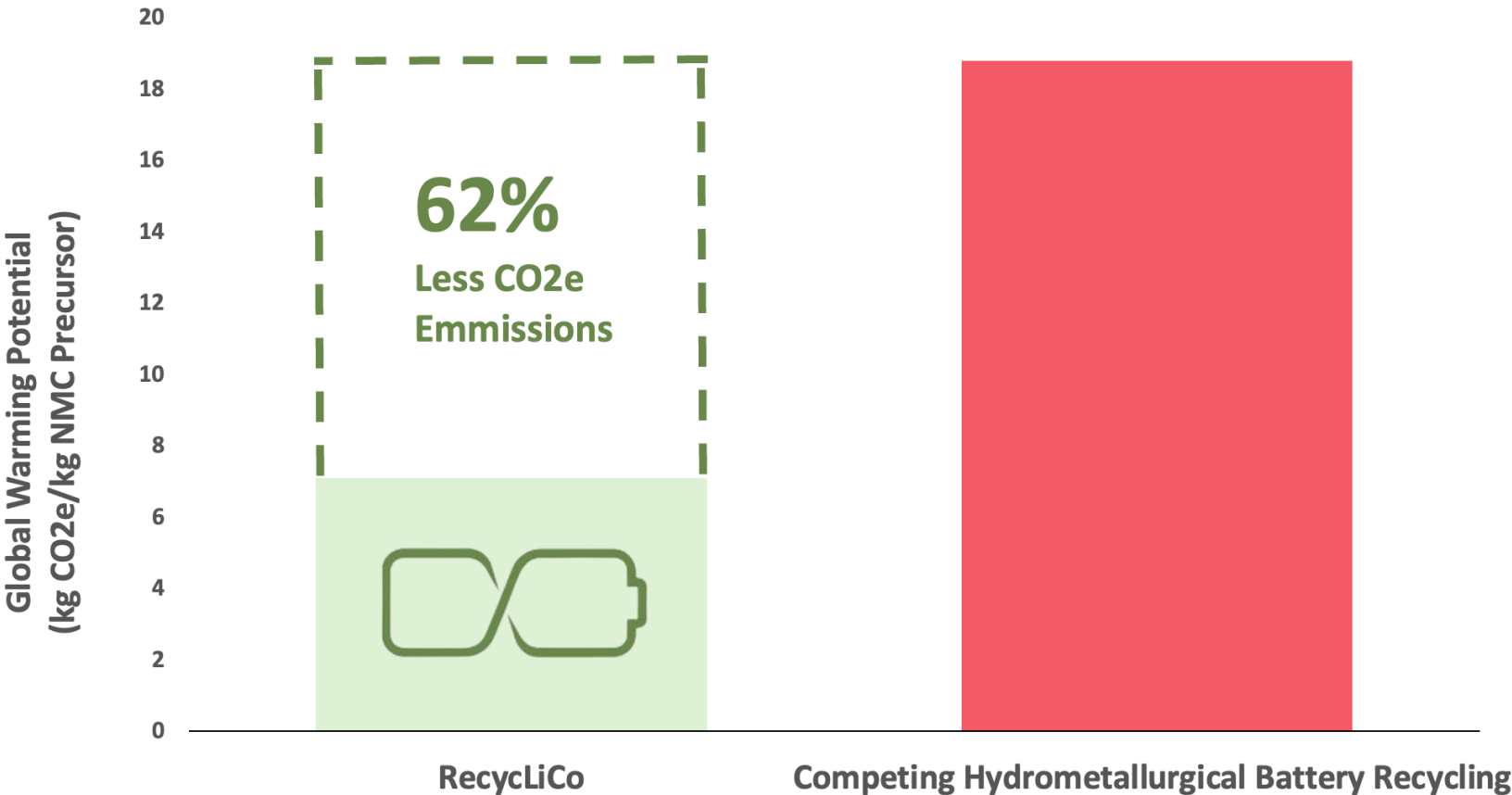
“Pleased to confirm RecycLiCo’s recycled materials have successfully achieved qualification status through our Supply Chain Partner Qualification program” – North American Battery Manufacturer



RecycLiCo Offers a Lower Environmental Impact



Life Cycle Assessment (LCA) independently verified by Minviro in accordance with ISO-14040:2006 and ISO-14044:2006 standards



Compared to competing hydrometallurgical processes, for every ton of recycled NMC material produced, **we avoid 11,700 kg of CO₂ emissions**

Source:
(1) Calculations are made by the Company and based on statistics found at <https://www.epa.gov/greenvehicles/greenhouse-gas-emissions-typical-passenger-vehicle>

Integrated Business Model Facilitates Wide Adoption

