RecycLiCo™
BATTERY MATERIALS

Recover. Reuse. Repeat.

RecycLiCo™ BATTERY MATERIALS

Investment Highlights

1 Massive Addressable Market Opportunity
- Growing battery recycling market
- Shortage of battery material supply

2 Scalable Patented Technology
- Industry leading 99% extraction with global patents
- Commercial scale-up ready

3 Commercial Validation
- First commercial JV will provide full scale technology validation
- Dialogue with lithium-ion battery manufacturers, EV OEMs, cathode and lithium production companies
- Multiple JV partnership prospects

4 Robust Financial Projections
- CAPEX light Integrated JV model
- Higher value end product

5 Maximizes ESG Impact
- Battery ready product is 100% sourced from recycling lithium-ion battery waste
- 62% less CO_2 than competing battery recycling processes

- Fully Integrated Business Model
- 62% LESS CO_2 — Independently Verified Life Cycle Assessment
- Sustainable Recycling Process
- Supports Stricter Regulations
- Reduces Supply Chain Risk

TSX-V : **AMY** | OTCQB : **AMYZF** | FSE : **ID4**

Enabling Battery Material Circularity

The proprietary technology developed by **RecycLiCo is in commercial development** beginning with the **Zenith Chemical Corp Joint Venture.**

RecycLiCo Demonstration Plant

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Reinventing Lithium-ion Battery Recycling

STAGE 1 THIRD PARTY SHREDDING

End-of-life Batteries

Discharge

Crush & Sort

BLACK MASS

STAGE 2 BATTERY MATERIAL RECOVERY

BATTERY-GRADE CATHODE PRECURSOR

BATTERY-GRADE LITHIUM HYDROXIDE or CARBONATE

HYDROMETALLURGICAL RecycLiCo Clean Spot CATHODE RECOVERY PROCESS

UPCYCLE

The RecycLiCo patented lithium-ion battery recycling process results in a higher value, battery-ready end product - *in fewer steps*

- ✓ Closed loop with no waste water discharge
- ✓ Sodium sulphate free recycling
- ✓ Less energy and process chemical consumption
- ✓ Solvent extraction free process

Competing Processes Result in Intermediate Commodities *Requiring Multiple Additional Steps*

INDUSTRIAL GRADE LITHIUM CARBONATE → ADDITIONAL REFINEMENT REQUIRED → BATTERY-GRADE LITHIUM HYDROXIDE or CARBONATE

INTERMEDIATE COMMODITIES

$CoSO_4$ $MnSO_4$ $NiSO_4$

ADDITIONAL PROCESSING

CATHODE PRECURSOR

- ✗ High capital and energy cost
- ✗ Large consumption and cost of process chemicals
- ✗ Extensive liquid and waste production
- ✗ Production of intermediate-grade products and low Li recovery
- ✗ Complex processing and purification steps

Adaptable Inputs and Higher Value Outputs

The RecycLiCo™ Patented Process extracts **up to 99%** of cathode material from a variety of battery waste feedstock and cathode chemistries such as:

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

Industry Qualified Products

Testimonials and Data from Battery Industry Sources

"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

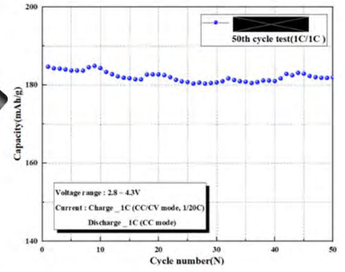
"Pleased to confirm RecycLiCo's recycled materials have successfully achieved qualification status through our Supply Chain Partner Qualification program."

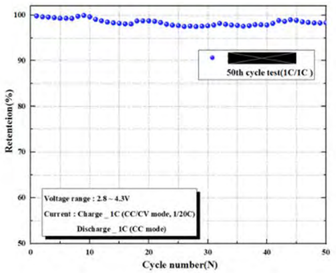
- **Cliff Olin**, CBDO of C4V

Electron microscope Image of RecycLiCo™ produced pCAM.

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%

Supplier	Chemical composition [Ni:Co:Mn]	1st Charge Capacity(mAh/g)	1st Discharge Capacity(mAh/g)	1st Coulombic efficiency
1st sample	80:10:10	206.9 mAh/g	204.4 mAh/g	98.8%
2nd sample	80:10:10	208.4 mAh/g	204.8 mAh/g	98.3%





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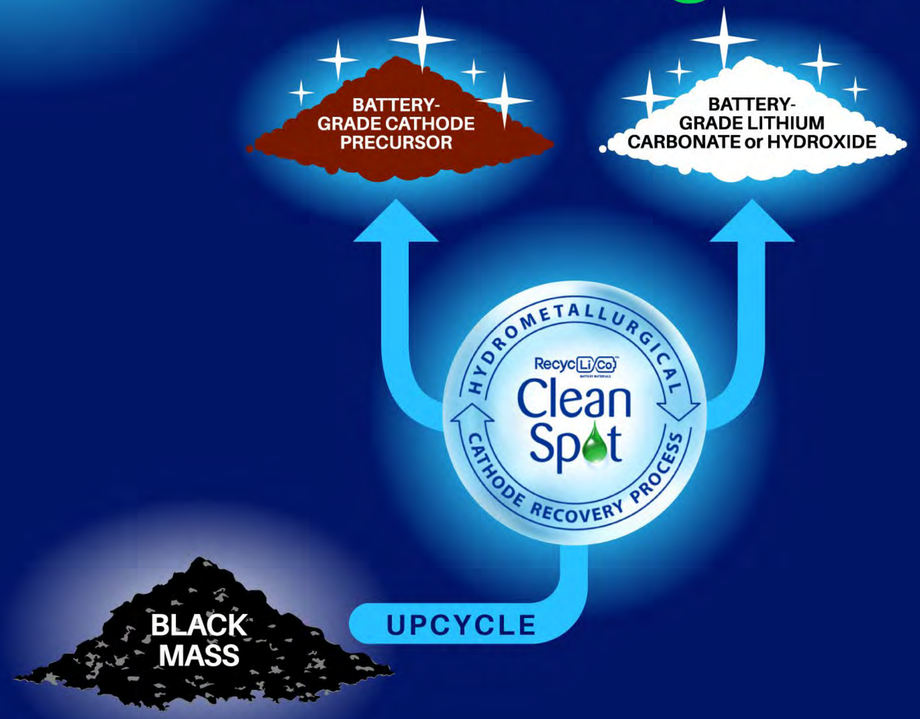
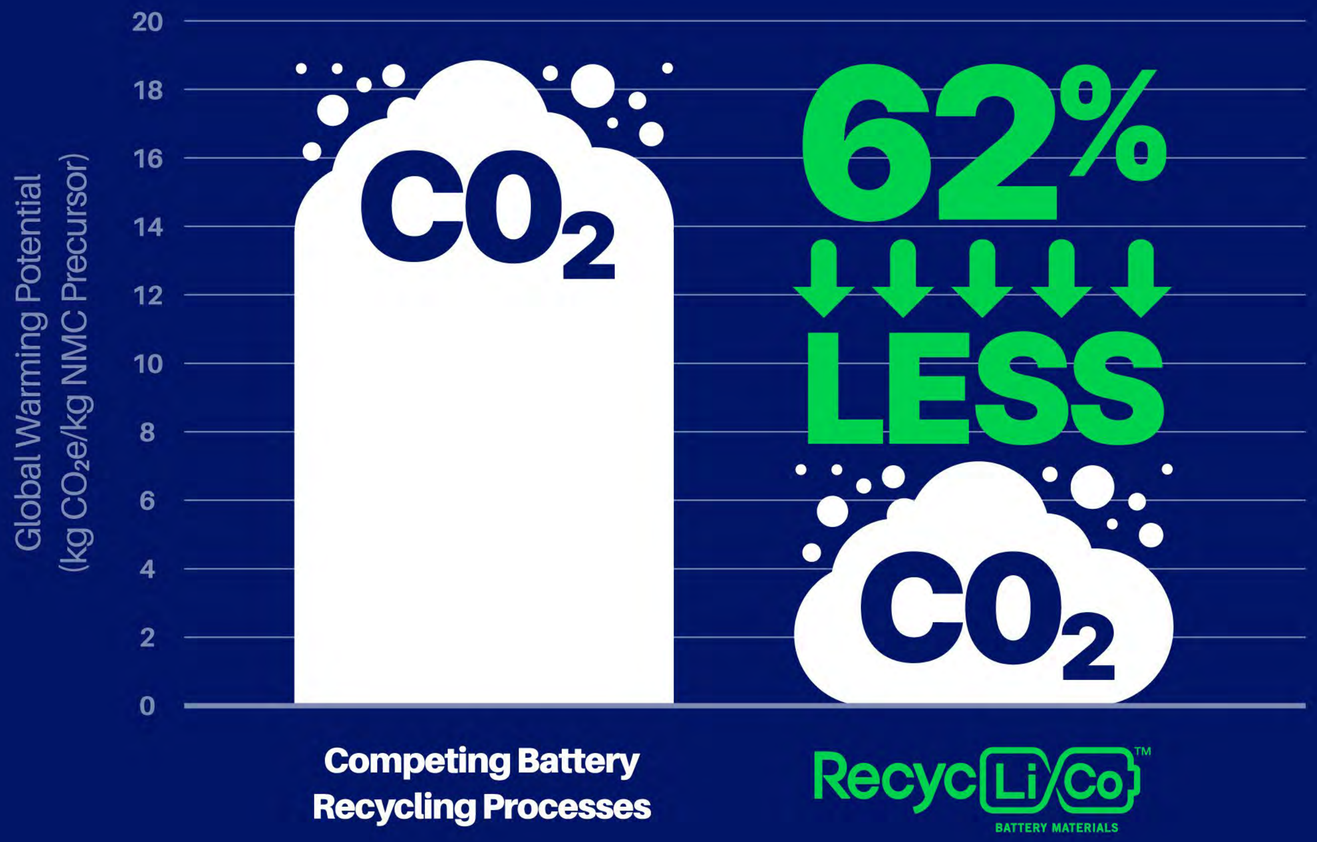
Efficiently Recovering Value Locked Within Battery Waste

$3-5x Value of Original Feedstock



$1x Value

RecycLiCo Offers a Lower Environmental Impact



Life Cycle Assessment Independently Verified by

MINVIRO

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

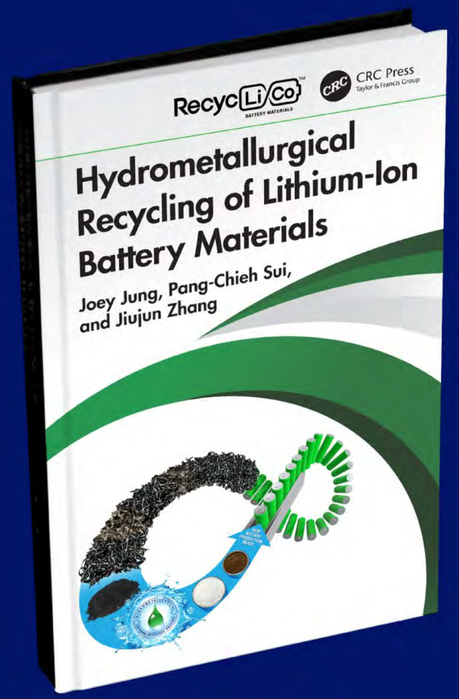
Compared to competing battery recycling processes, for every ton of recycled NMC material produced, we avoid 11,700 kg of CO2 emissions.[1]

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

RecycLiCo™ BATTERY MATERIALS

Innovative Leading Technology

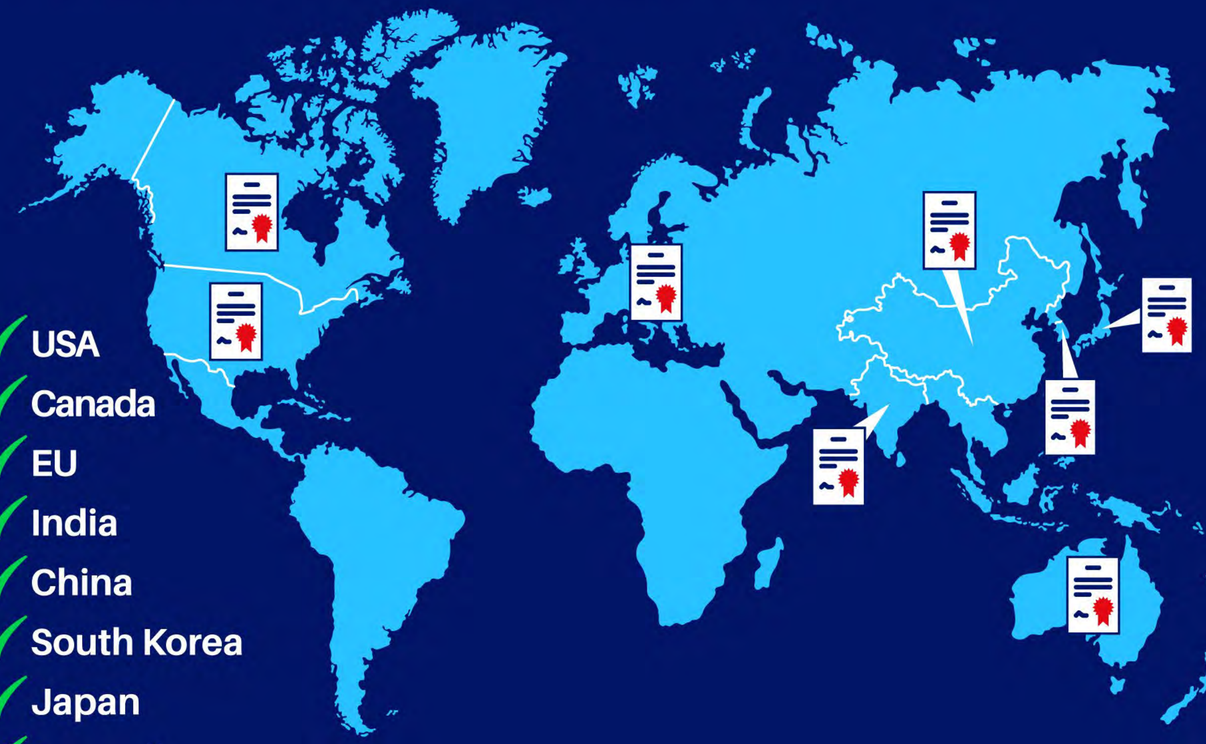
CRC Press Published Book



Hydrometallurgical Recycling of Lithium-ion Battery Materials

Written by one of the co-inventors of the RecycLiCo™ Patented Process.

Patents Granted Worldwide



- ✓ USA
- ✓ Canada
- ✓ EU
- ✓ India
- ✓ China
- ✓ South Korea
- ✓ Japan
- ✓ Australia

RecycLiCo™ BATTERY MATERIALS

Scale-up Ready Project on the Cusp of Multiple Strategic Partnerships

1. **Demonstrate real-world and scaled-up operating conditions.**
2. **Qualify output material with potential strategic partners.**
3. **Joint develop commercial recycling plant with strategic partners.**

Companies that have initiated or requested technical due diligence or similar engagement include:

- ✓ **Top 5 Lithium-ion Battery Manufacturing Company**
- ✓ **Top 5 Electric Vehicle Company**
- ✓ **Top 5 Cathode Chemical Company**
- ✓ **Top 5 Lithium Production Company**

Our Commercial Modular Plant Design Enables *On-Site* Battery Recycling Globally

1 Design, Build & Test

Design and build modular Clean Spot™ lithium-ion battery recycling plant with bespoke capacity

2 Transport Worldwide

Transport modular Clean Spot™ lithium-ion battery recycling plant from local manufacturing facility in Vancouver, BC to partner locations around the globe

3 Install & Commission Operations

Install and commission modular Clean Spot™ lithium-ion battery recycling plant within or alongside final processing location

4 Produce Battery-Ready Materials *On-Site*

Input lithium-ion battery waste into modular Clean Spot™ lithium-ion battery recycling plant and output battery-ready materials - *On-Site*

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