Li-Cycle Overview

Year Founded: 2016

Li-Cycle Technology™: Patent-pending, closed-loop lithium-ion battery resource recovery

Partners:

Key Investors: TECHMET, PELLA Resources Limited, Biindustrial Innovation Canada®

Awards: 2020 GLOBAL CLEANTECH 100, Clean16, Energy Innovation Awards 2019, #SET100 START-UP 2019, CleanEquity Monaco 2018

Majority Privately Held
To be the most sustainable, vertically integrated, and globally preeminent lithium-ion battery resource recovery company
1. Providing sustainable and safe customer-centric solutions and technology to solve the global end-of-lifecycle lithium-ion battery problems/opportunities.

2. Meeting the rapidly growing demand for critical battery materials.
<table>
<thead>
<tr>
<th>Leadership &amp; Team</th>
<th>Ajay Kochhar</th>
<th>Kunal Phalpher</th>
<th>Bruce MacInnis</th>
<th>Chris Biederman</th>
<th>Ala Hussain</th>
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<td>Board of Directors</td>
<td>Tim Johnston</td>
<td>Ajay Kochhar</td>
<td>Anthony Tse</td>
<td>Mark Wellings</td>
<td>Rick Findlay</td>
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<td>Exec. Chairman Co-Founder</td>
<td>Exec. Director Co-Founder</td>
<td>Non-Exec. Director Critical Materials</td>
<td>Non-Exec. Director Capital Raising</td>
<td>Non-Exec. Director Business Ops. &amp; Scaling</td>
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<td>Advisory Board</td>
<td>Adonis Pouroulis</td>
<td>Ahmad Ghahreman</td>
<td>Chris Berry</td>
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<td>Senior Advisor Mining &amp; Metals</td>
<td>Technical Advisor Ph.D. Hydrometallurgist</td>
<td>Energy Metals Advisor Leading Co &amp; Li Analyst</td>
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Advanced Resource Recovery Technology

1. Spoke: size reduction
   - Multiple plants
   - Black Mass

2. Hub: hydrometallurgical resource recovery
   - Centralized plant(s)
   - Reagents

All li-ion battery chemistries at any state of charge, without manual sorting

Materials for use in battery value chain and the economy

- Li
- Cu
- Al
- Fe
- Co
- Ni
- Mn
- Cu
- Al
- C
- Fe
- Gypsum
- Na$_2$SO$_4$
Benefits of the Decoupled Model

1. Regional spokes result in shorter transportation distances, thereby reducing logistics costs.

2. The distance travelled batteries as Dangerous Goods is reduced by rendering them inert at the Spoke.

3. Outputs of the Spoke are saleable and can generate revenue independent of the Hub.

LEGEND
- Incoming batteries
- Black mass (inert)
- By-products for sale or further recycling
- Isolated battery-grade end-products for return to batteries and the economy

EXAMPLE CAPACITIES
- Spoke: ≥5,000 t/y
- Hub: ≥20,000 t/y
Near-Term Commercialization Roadmap

Proof of Scale
Location: Canada
Capacity: 5 tonnes/yr

Commercial and Demonstration Plant
Location: Kingston, Ontario
Capacity:
Demo Hub – 365 tonnes/yr
Commercial Spoke 1 – 2,500 tonnes/yr

Commercial Spoke 3
Location: Southwest USA
Capacity:
Size reduction (‘Spoke’) – 5,000 tonnes/yr

Mini-Piloting
Location: Canada
Capacity: 50 tonnes/yr

Commercial Spoke 2
Location: Rochester, New York
Capacity:
Size reduction (‘Spoke’) – 5,000 tonnes/yr

Commercial Hub
Location: North America
Capacity:
Hydromet (‘Hub’) – 60,000 tonnes/yr
Li-Cycle Global Rollout Plan

North America
• Build-own-operate business model in North America for Commercial Spokes 1 and 2
• Partnerships for Commercial Spoke 3, Pre-Commercial Hub, and the future large Commercial Hub

Europe
• Regional partnership model in Europe

Asia
China
• Multiple partnerships with complementary partners

Japan, Korea
• Multiple partnerships with complementary partners, e.g. scrap, collection companies

Rest of Asia
• Collaboration with local aggregators
Li-Cycle Global Rollout Plan (contd.)

Total resource recovery capacity in 2024 and 2025 represent ~10-15% of the global Total Addressable Market (TAM)
Thank you.

How to get in touch with our team:

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