

Li-CycleTM

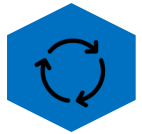
Closed loop lithium-ion battery resource recovery

NAATBatt Member Update Presentation
February 12th, 2020

Li-Cycle Overview



Year Founded: 2016



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



Partners:



SUSTAINABLE DEVELOPMENT
TECHNOLOGY CANADA
TECHNOLOGIES DU DÉVELOPPEMENT
DURABLE CANADA



Ontario Centres of
Excellence
Where Next Happens



SUNGHO
GROUP



Key Investors: **TECHMET**



PELLA
RESOURCES LIMITED

Bioindustrial
Innovation Canada®
A Sustainable Chemistry Alliance

**Majority
Privately Held**



Awards:



2020
Clean16
Outstanding Contributors to Clean Capitalism



A high-angle, wide shot of a group of approximately 15 electric vehicles of various makes and colors (including white, blue, red, and silver) driving away from the viewer on a long, straight asphalt runway. The horizon is flat with a line of trees in the distance under a cloudy sky. A semi-transparent white banner with blue text is overlaid across the middle of the image.

To be the most sustainable, vertically integrated, and globally preeminent lithium-ion battery resource recovery company

Mission



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.



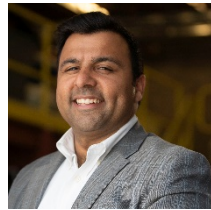
Li-Cycle Team, Board and Advisors



Leadership & Team



Tim Johnston
Exec. Chairman
Mech. Eng., CFA



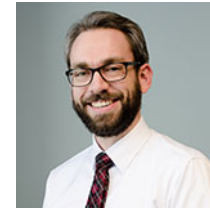
Ajay Kochhar
President & CEO
Chem. Eng.



Kunal Phalpher
CCO
Elec. Eng., MBA



Bruce MacInnis
CFO
CPA and CA



Chris Biederman
Chief Process Engineer
Sr. Chem. Eng. Mgr.



Ala Hussain
Eng. & Const. Mgt.
Sr. Civil Eng. Mgr.

Board of Directors



Tim Johnston
Exec. Chairman
Co-Founder



Ajay Kochhar
Exec. Director
Co-Founder



Anthony Tse
Non-Exec. Director
Critical Materials



Mark Wellings
Non-Exec. Director
Capital Raising



Rick Findlay
Non-Exec. Director
Business Ops. & Scaling

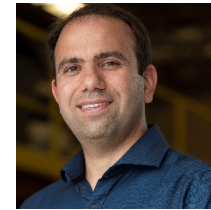


Alex Lowrie
Non-Exec. Director
Financial Mgt.

Advisory Board



Adonis Pouroulis
Senior Advisor
Mining & Metals

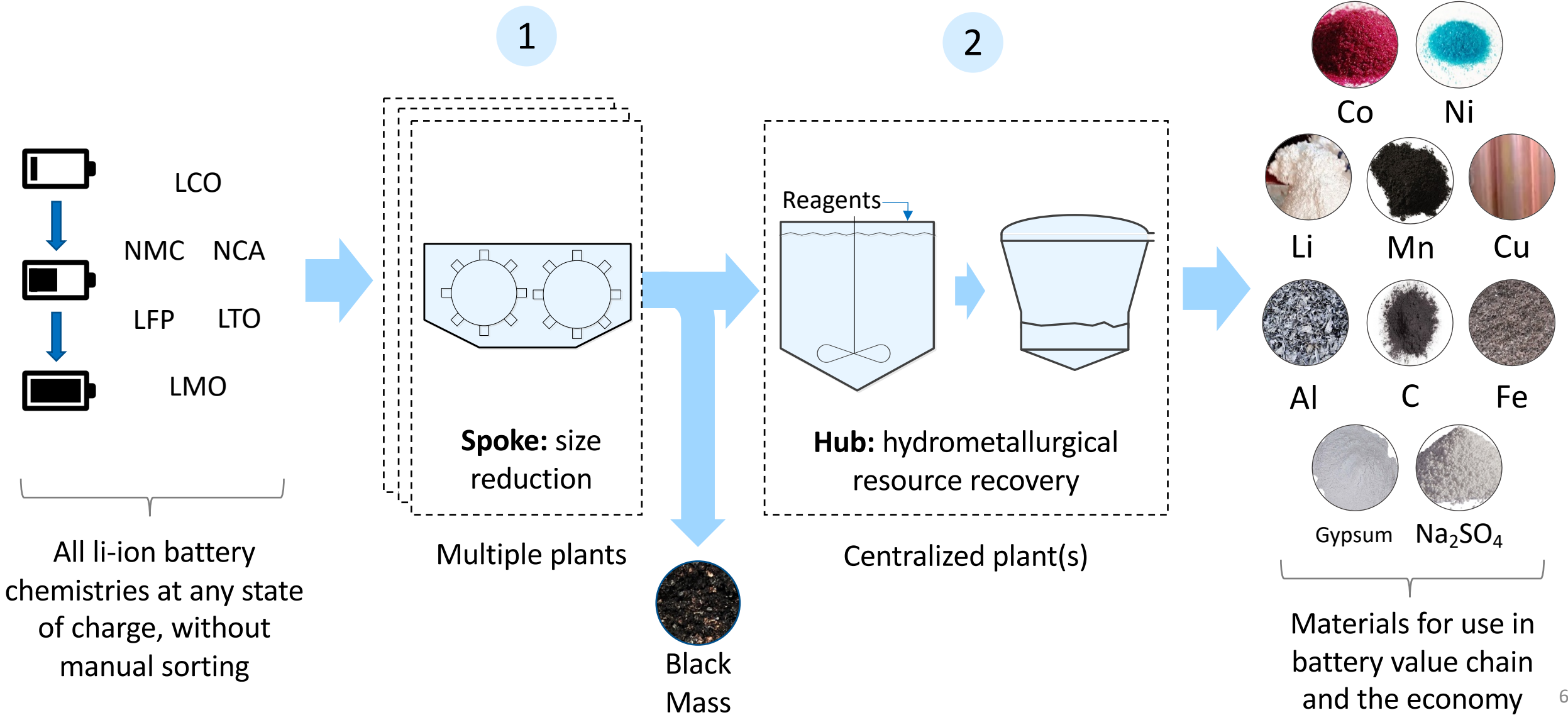


Ahmad Ghahreman
Technical Advisor
Ph.D. Hydrometallurgist

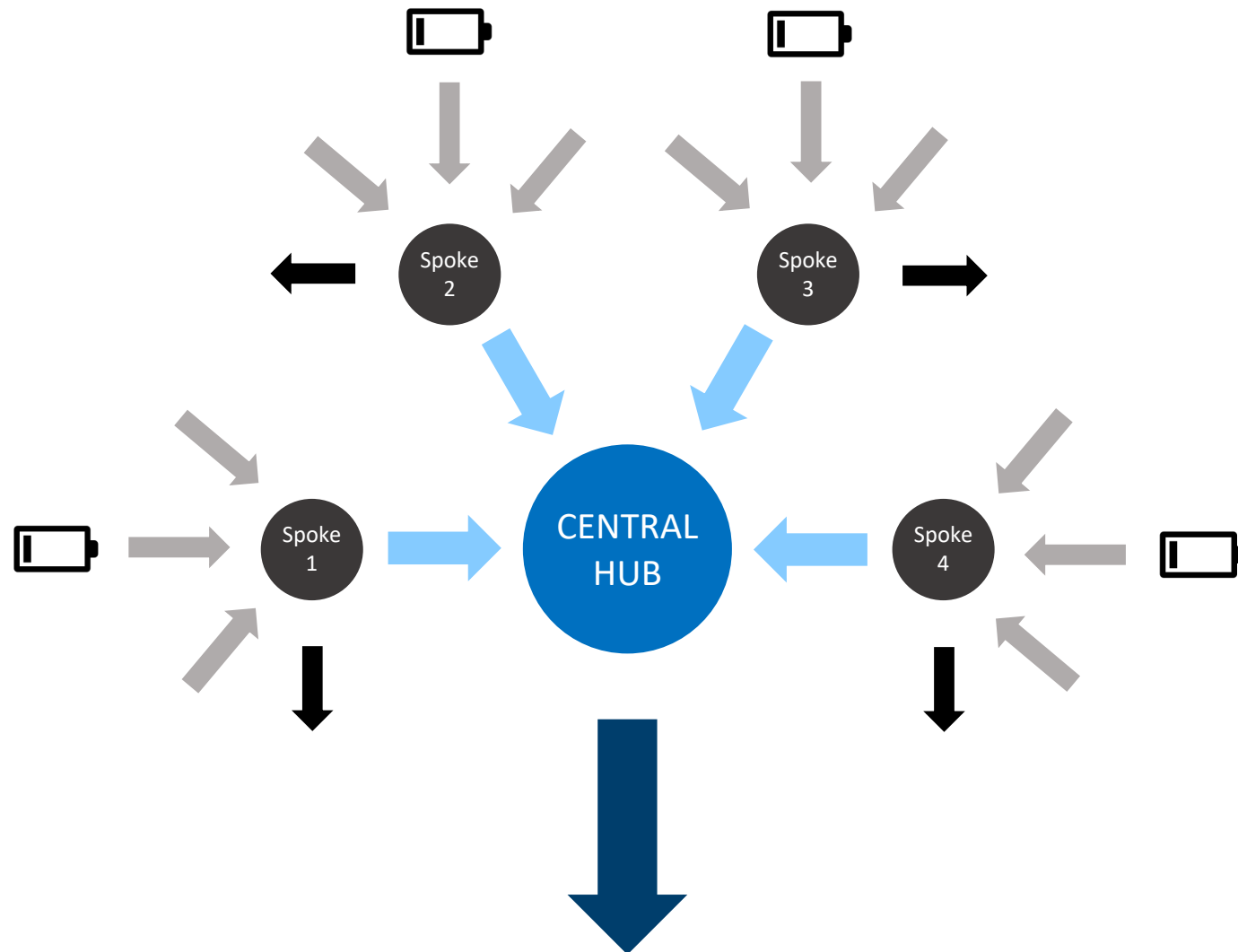


Chris Berry
Energy Metals Advisor
Leading Co & Li Analyst

Advanced Resource Recovery Technology



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: $\geq 5,000$ t/y

 Hub: $\geq 20,000$ 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

2016

2017

2018-
2019

2020

2021

2022

Mini-Piloting

Location: Canada

Capacity: 50 tonnes/yr

Commercial Spoke 2

Location: Rochester, New York

Capacity:

Size reduction ('Spoke') – 5,000 tonnes/yr

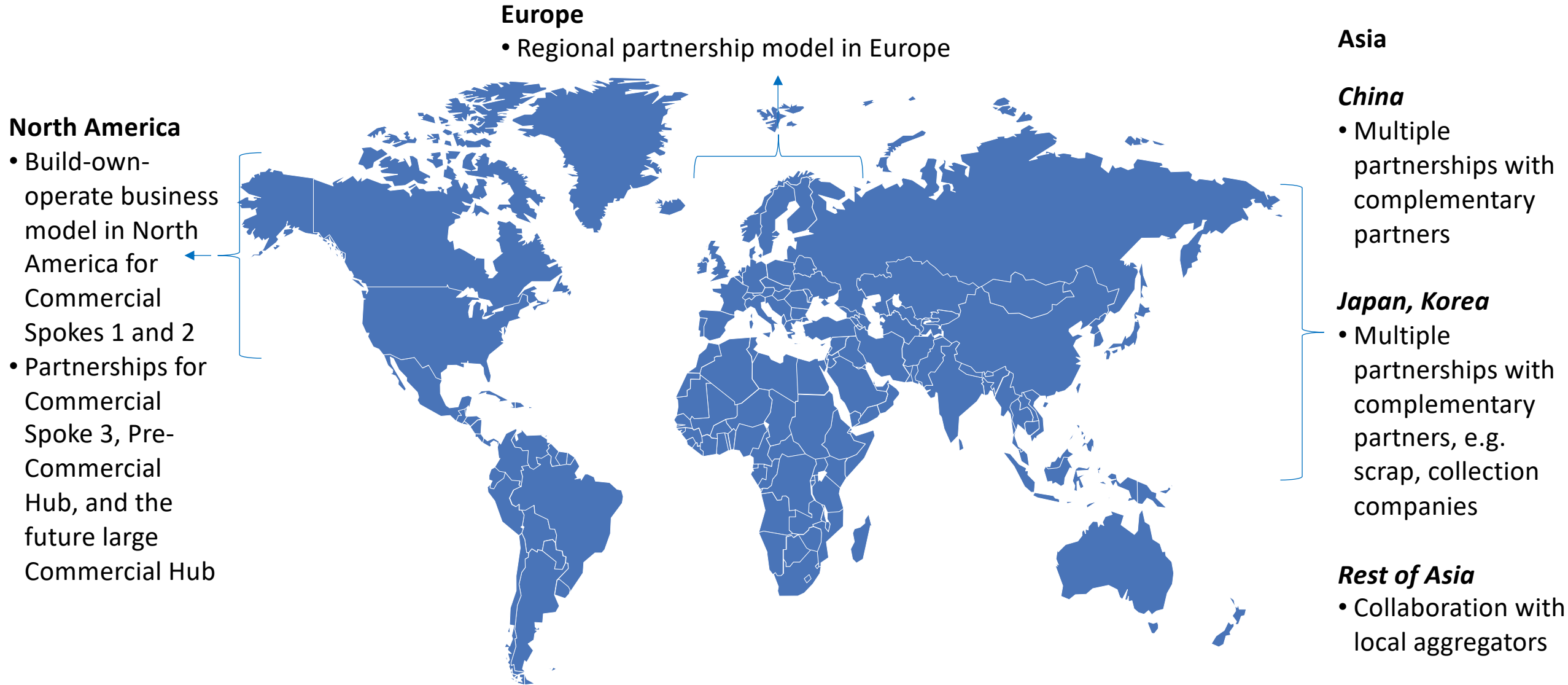
Commercial Hub

Location: North America

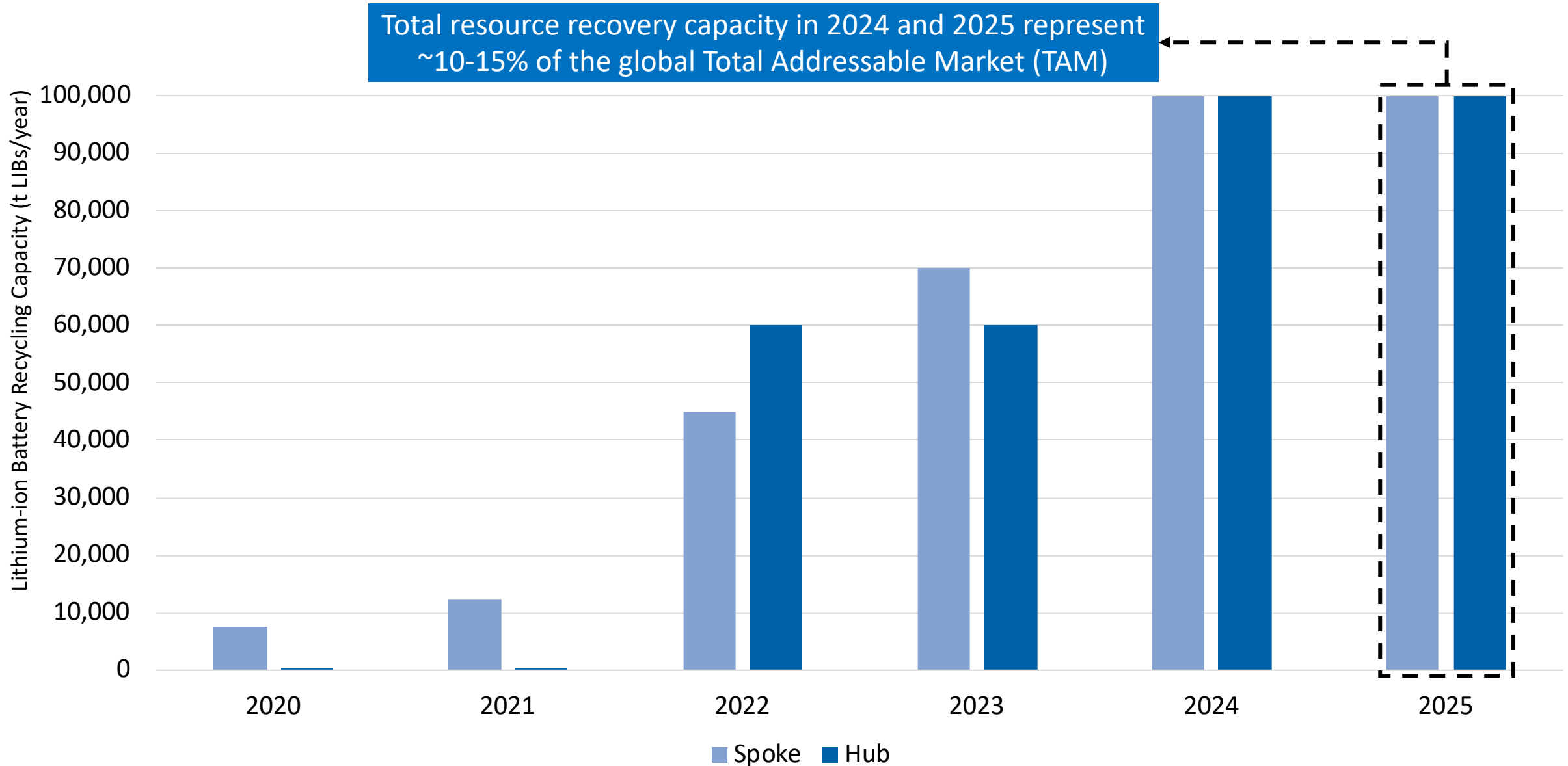
Capacity:

Hydromet ('Hub') – 60,000 tonnes/yr

Li-Cycle Global Rollout Plan



Li-Cycle Global Rollout Plan (contd.)



Thank you.

How to get in touch with our team:

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Chief Commercial Officer

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