

# The Sustainable Recycling Solution

NAATBatt Company Update

February 2023



Lithion

# Lithion brings tangible innovation to market



Commercializing patented **mechanical separation** and **hydrometallurgy** solution



Processes developed and scaled in-house with sister-company Seneca



Founded in Montréal in 2018



Recycling **95%** of Li-ion battery components



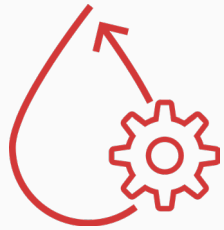
**Licensing** business model to deploy rapidly and locally



Blue Chip  
Partners  
and  
Investors:



# Lithion's Technologies



**Pre-Treatment**

**Black Mass**

**Hydromet**



## KEY DIFFERENTIATORS:

- ✓ Battery type and chemistry agnostic
  - ✓ Low EHS risk
- ✓ 98% black mass recovery rate
- ✓ No discharging required

## KEY DIFFERENTIATORS:

- ✓ Battery-grade cathode materials
- ✓ Graphite recovery and purification
- ✓ Over 95% of the value materials recovered
  - ✓ Low environmental impact

## Partnership Announcement



Lithion



# Lithion



## Shredding Plant Update Quebec, Canada

- 100% owned and operated by Lithion
  - Building has been delivered
  - Main plant equipment received
  - Skids to be delivered this spring
- 
- **Capacity:** 7 500 metric tons per year of batteries and scraps
  - **SOP:** August–Sept 2023
- 
- **Purpose:** serve local market and be a technological showcase for licensees

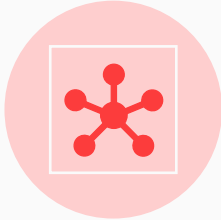




# Hydromet Scale-Up

- Battery-grade end-products under evaluation with off-takers
  - Confirms circularity mission and technology
- Ongoing detailed engineering to groundbreaking
- Technology demonstrated for 3+ years
- Commissioning end of 2025
- Site to be announced soon!

# Growth Through JV & Licensing



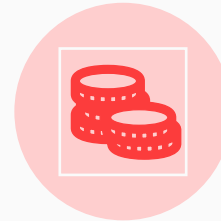
**Our business model allows rapid and locally-adapted implementation of our solutions**



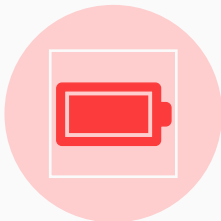
**Guaranteed performance**



**Technical support from Lithion at installation and commissioning**



**Economical model provided in project evaluation phase**



**Access to Lithion's strong battery and materials expertise – future technology upgrades**



**Commercial support for relations on feedstock and offtake**

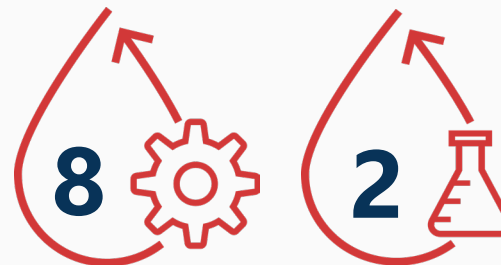
# Lithion's Target Footprint - 2035



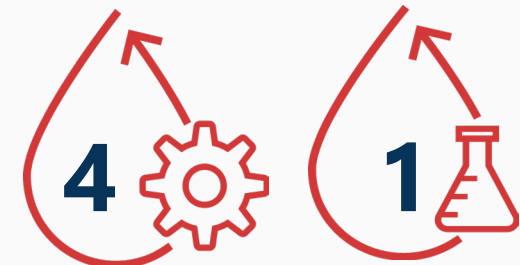
## North America



## Europe



## Asia



Limited number of licenses available in strategic markets, reach out to us to learn more.

January 2022:  
First licensing partnership  
announced in Korea!










# The Sustainable **Solution**

Visit our website  
**[lithionrecycling.com](http://lithionrecycling.com)**

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