

# The Sustainable Recycling Solution

NAATBatt Company Update

February 2023



# 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



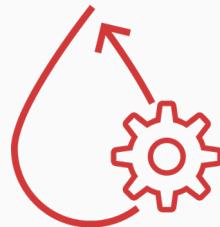
**Licensing** business model to deploy rapidly and locally



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



## 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

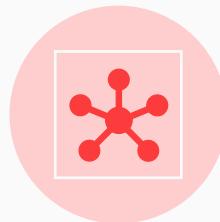
- **Purpose:** serve local market and be a technological showcase for licensees



# 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



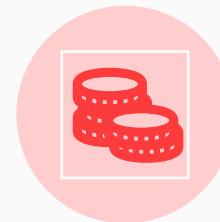
**Our business model  
allows rapid and locally-  
adapted implementation  
of our solutions**



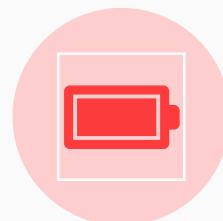
**Guaranteed performance**



**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



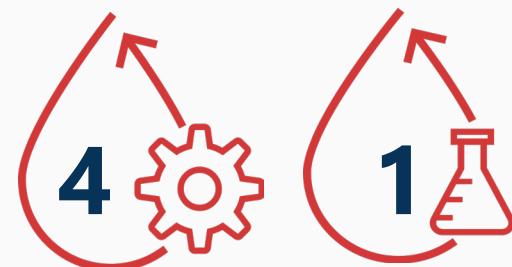
North America



Europe

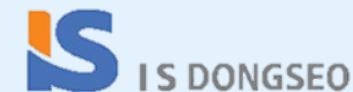


Asia



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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