

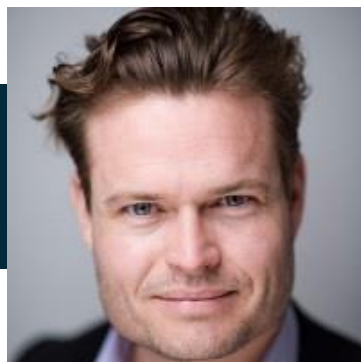


Cleantech Forum **Europe** | Stockholm

# Reforming an Age-Old Industry: How Sustainable Chemistry is Enabling a Circular Economy



## How Sustainable Chemistry is Enabling a Circular Economy



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# Genecis

*Made by Bacteria*

(416) 856 6326  
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*PHAs are the “platinum” of the plastics industry.*



PHAs

\$2.5/lb

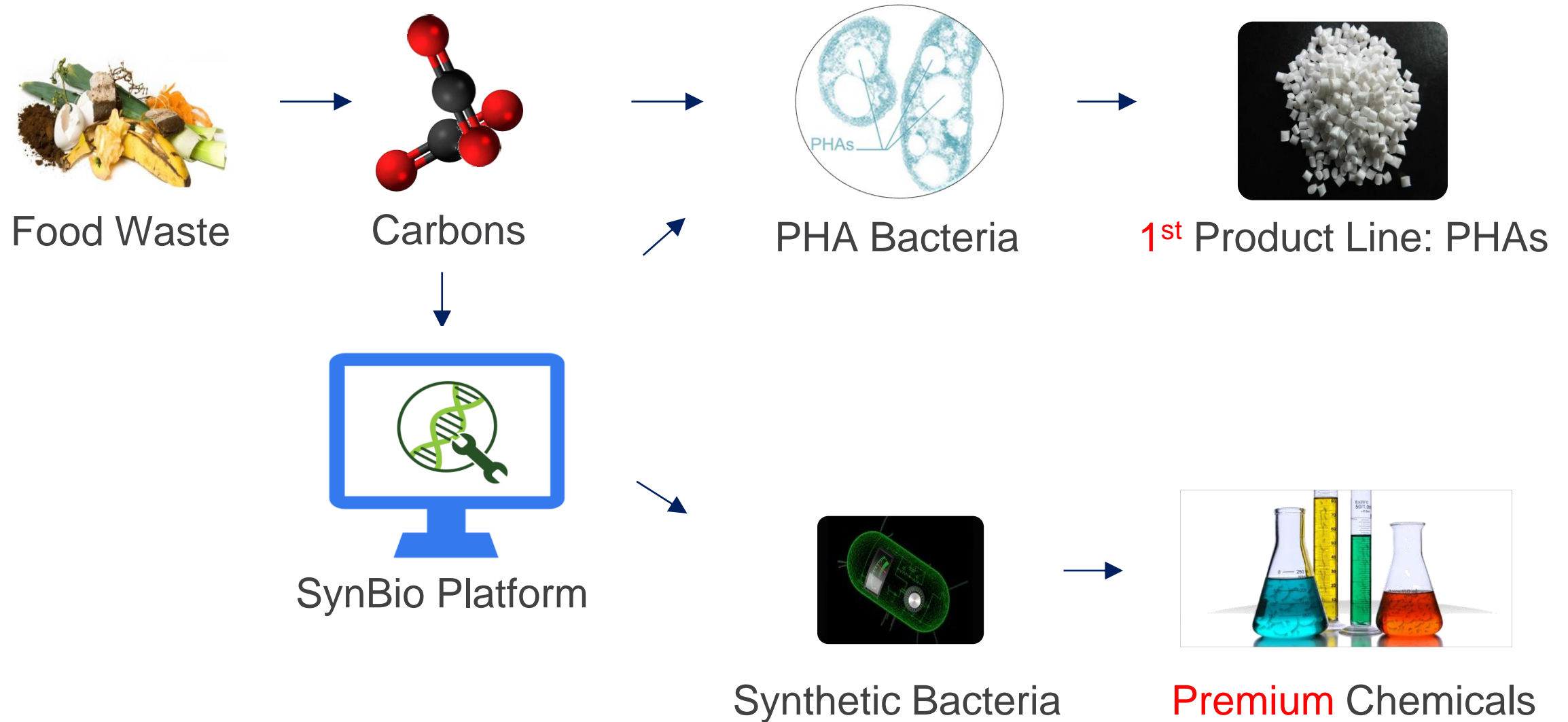


Commodity Plastic

<\$1/lb

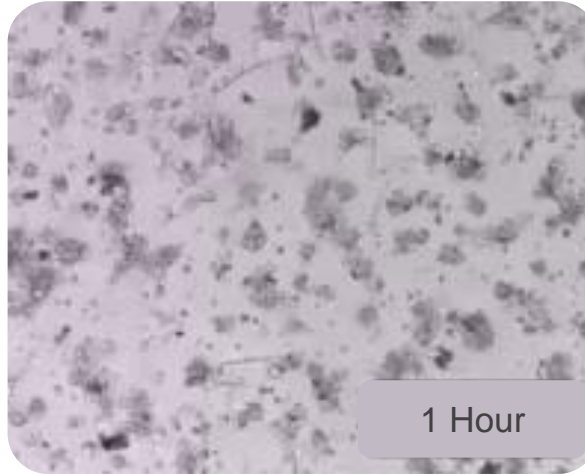
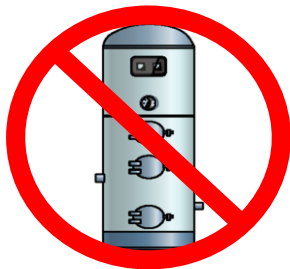
**Too Expensive**

# We Convert Food Waste into PHAs using Bacteria

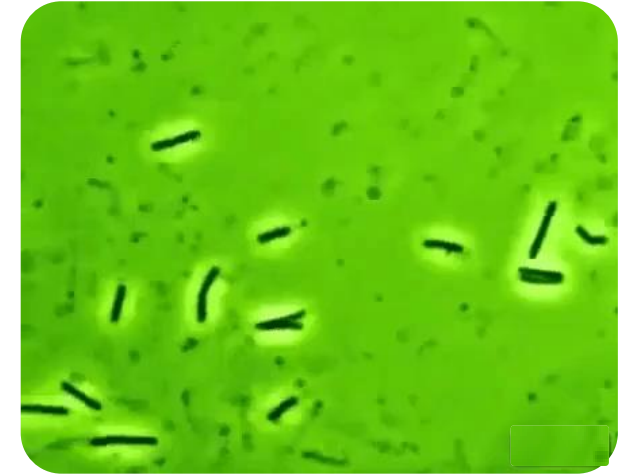




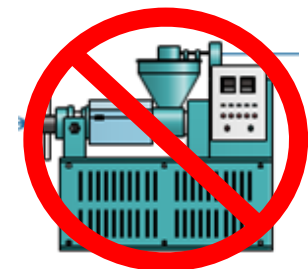
Sterilization



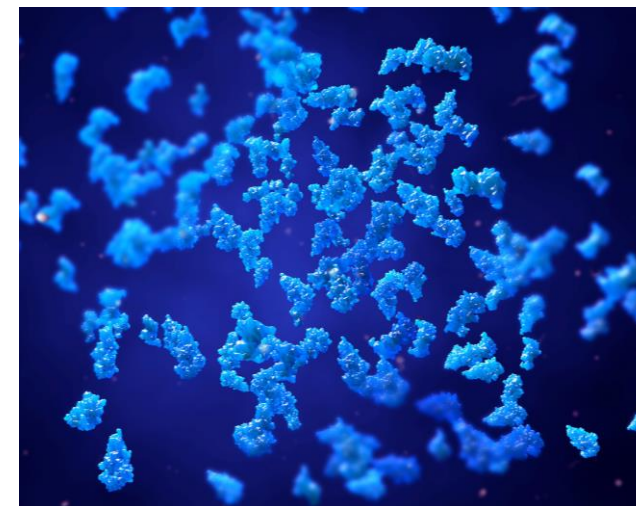
Aggregate



Break



**Future Genecis PHA = 65% cheaper**



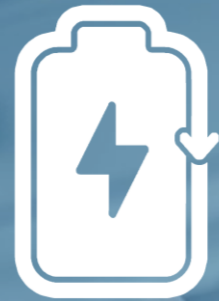
5000 BC

20th Century

2019 and beyond







# Li-Cycle<sup>TM</sup>

*Closed loop lithium-ion battery resource recovery*

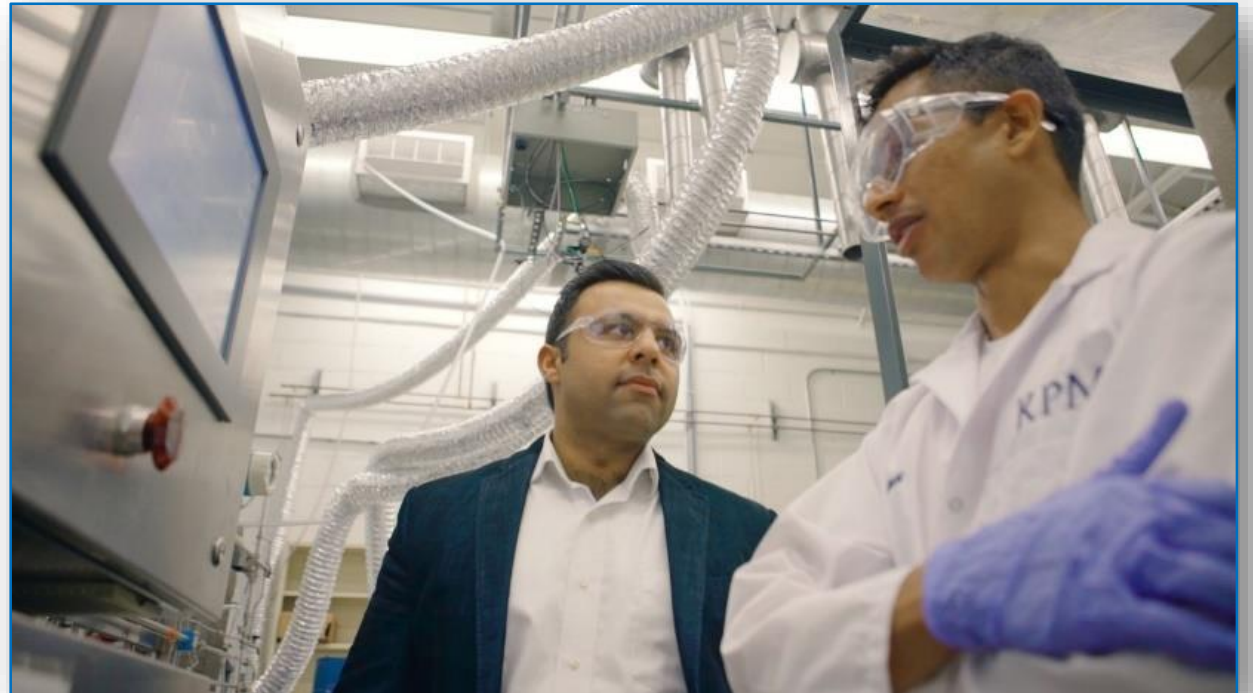
Cleantech Forum Europe  
May 23<sup>rd</sup>, 2019

# Value Proposition Summary



*Li-Cycle Technology™ is an industry-leading lithium-ion battery resource recovery solution*  
**Customer centric | Relentless innovators | Proven expertise & experience**

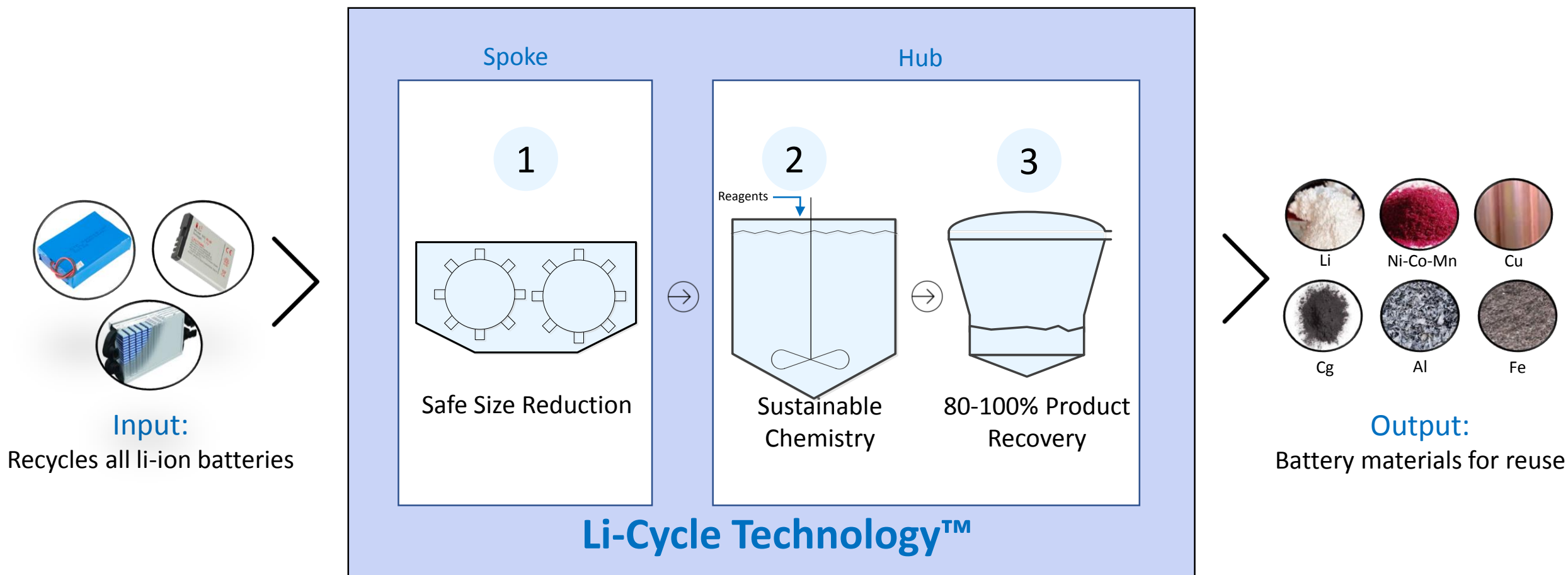
- ↻ Closed loop technology
- \$ Lowest cost
- 🛡 Safest in the industry
- 🌍 Environmentally friendly



# Advanced Resource Recovery Technology



*Li-Cycle Technology™ is made up of two steps in order to fully recover the batteries constituent materials*



# Rollout Plan

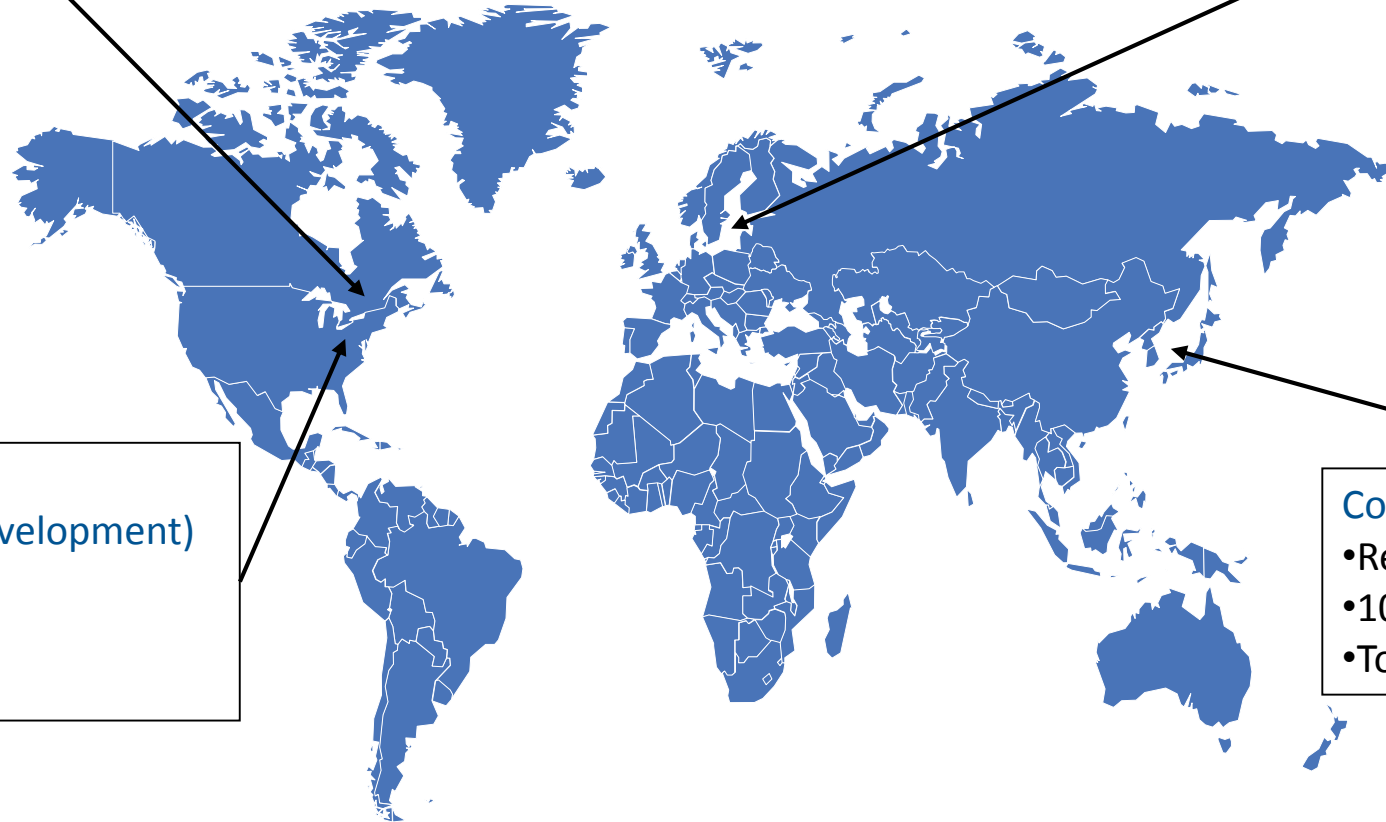


- ✓ Phase 1 –  
Commercial Demo Plant (existing)
- Canada
  - 365 t LIBs/year

- Commercial Plant 2 or 3
- Europe
  - 10,000-25,000 t LIBs/year
  - To be operating from 2021+

- Phase 2 & 3 –  
Commercial Plant 1 (under development)
- North America
  - 10,000 t LIBs/year
  - To be operating by 2020

- Commercial Plant 2 or 3
- Republic of Korea
  - 10,000-25,000 t LIBs/year
  - To be operating from 2021+



# Thank you.

**How to get in touch with our team:**

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