The sustainable solution

NAATBatt International
2020 Annual Meeting
Member Update Presentation

Denis Geoffroy
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My life in the battery world

Lithium Metal Polymer Batteries
Hydro-Québec/Argo-Tech

Cathode material, LiFePO₄
Phostech Lithium
Sud-Chemie/Clariant/Johnson Matthey

Lithium-ion battery recycling
Lithion Recycling
Pilot Plant

- 12M$ funding for the pilot plant was completed
- Industrial-sized hydrometallurgy equipment
- Construction project of pilot plant is over
- Commissioning underway
- Located in Montreal, Canada
Demonstrate recycling of at type of LiB, and provide solutions to EV manufacturers and other industrial users.

Confirm the performance of the recycling process at industrial scale.

Qualify battery grade products with cathode and battery manufacturers.
Next Steps

- **Pilot plant**
  - $12 Millions
  - 200 mt/y
  - Montreal (Canada)

- **High capacity commercial plant**
  - $100 Millions*
  - 10,000 mt/y

- **First generation commercial plant**
  - $40 Millions*
  - 2,000 mt/y

- **International roll-out through licensing**
  - 10 plants in North America
  - 10 plants in Europe
  - Asia +

Lithion
Lithium-ion battery recycling