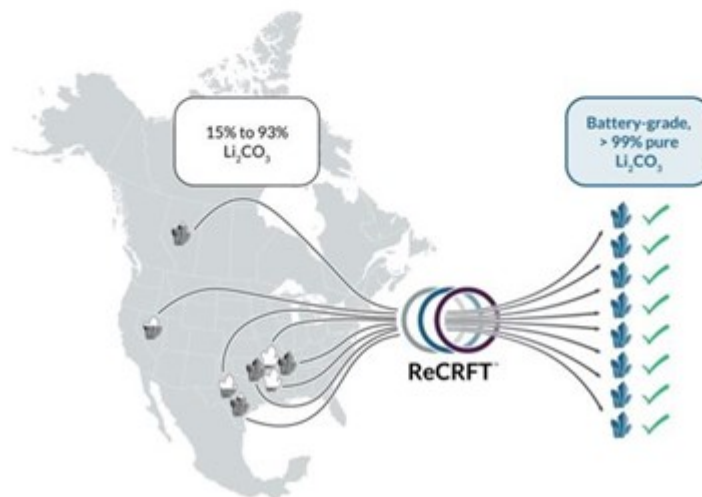
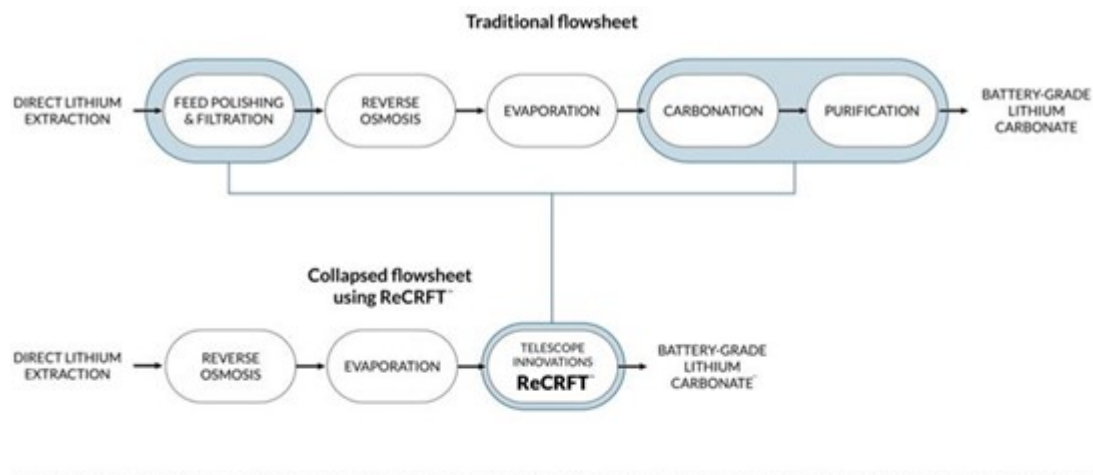


# Telescope Innovations Demonstrates Production of >99% Pure Lithium Carbonate from Widely Varied North American Brines

*Telescope's proprietary ReCRFT™ process paves the way for on-shore production of battery raw materials*

Vancouver, British Columbia--(Newsfile Corp. - January 13, 2025) - [Telescope Innovations Corp.](#) (CSE: TELI) (OTCQB: TELIF) ("**Telescope Innovations**" or the "**Company**"), a leading developer of advanced technologies and services for the global pharmaceutical and chemical industries, announces the successful outcomes of its Brine-to-Battery Program. Over the past year, Telescope Innovations' proprietary ReCRFT™ recrystallization technology has produced battery-grade (>99% pure) lithium carbonate from a wide variety of North American lithium-containing brines (Figure 1). Direct Lithium Extraction (DLE) eluates were obtained from various producers with lithium brine projects across Canada and the US.



**Figure 1.** Telescope Innovations' ReCRFT™ technology simplifies flowsheets for converting lithium brines into battery-grade lithium carbonate (top). ReCRFT™ has produced battery-quality lithium carbonate from brine feedstocks ranging widely in origin and lithium concentration (bottom).

To view an enhanced version of this graphic, please visit:

[https://images.newsfilecorp.com/files/8923/236769\\_telescopefig1.jpg](https://images.newsfilecorp.com/files/8923/236769_telescopefig1.jpg)

# COLLAPSING THE LITHIUM BRINE FLOWSHEET TO ENABLE A NORTH AMERICAN SUPPLY OF BATTERY MATERIALS

Isolating dilute lithium from low-grade brine resources in North America traditionally requires several processing steps and additional reagents, resulting in prohibitive CAPEX and OPEX costs relative to overseas operations. Telescope Innovations' ReCRFT™ collapses the lithium carbonate refining flow sheet, reducing these costs to enable a sustainable, on-shore supply of battery raw materials.

ReCRFT™ advantages include:

1. **Elimination of polishing steps:** Lithium carbonate can be produced directly from DLE concentrates, without traditional feed polishing steps. This reduces reagent, plant equipment, energy, and operating costs (Figure 1, top).
2. **A high tolerance for feed variability:** Through the Company's Brine-to-Battery program, ReCRFT™ has demonstrated the production of >99% pure lithium carbonate from eight brine sources, originating from Alberta, Texas, Nevada, and Arkansas, and ranging in original lithium purity from 15% - 93% (Figure 1, bottom).

Telescope Innovations has protected ReCRFT™ technology through a patent application under the Patent Cooperation Treaty and additional jurisdictions.

"We're excited by the potential of ReCRFT™ to address a critical minerals supply challenge in North America," said Dr. Ryan Jansonius, Telescope Innovations VP of Chemistry Contract Services. "Its robustness towards different on-shore brine resources showcases the applicability of our technology as Canada and the US strive to secure a much needed supply of battery raw materials."

## About Telescope Innovations

Telescope Innovations is a chemical technology company developing scalable manufacturing processes and tools for the pharmaceutical and chemical industry. The Company builds and deploys new enabling technologies including flexible robotic platforms and artificial intelligence software that improves experimental throughput, efficiency, and data quality. Our aim is to bring modern chemical technology solutions to meet the most serious challenges in health and sustainability.

On behalf of the Board,

**Telescope Innovations Corp.**

**Henry Dubina, Chief Executive Officer**

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## Forward-Looking Information

Forward-looking information is based on a number of opinions, assumptions and estimates that, while considered reasonable by the Company as of the date of this news release, are subject to known and unknown risks, uncertainties, assumptions and other factors that may cause the actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information.

Forward-looking statements in this document include the ability of ReCRFT™ to collapse the flowsheets associated with lithium brine processing, the enabling of a North American supply chain of battery raw materials, and all other statements that are not statements of historical fact.

Examples of such assumptions, risks and uncertainties include, without limitation, assumptions, risks and uncertainties associated with the global COVID-19 pandemic; general economic conditions; adverse industry events; the Company's ability to access sufficient capital from internal and external sources, and/or inability to access sufficient capital on favorable terms; the ability of the Company to

implement its business strategies; competition; and other assumptions, risks and uncertainties.

The forward-looking statements contained in this news release are made as of the date of this news release, and the Company expressly disclaims any obligation to update or alter statements containing any forward-looking information, or the factors or assumptions underlying them, whether as a result of new information, future events or otherwise, except as required by law.

The CSE has neither approved nor disapproved the contents of this news release. Neither the CSE nor its Market Regulator (as that term is defined in the policies of the CSE) accepts responsibility for the adequacy or accuracy of this release.

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