

# denaLi™ Commercial Progress

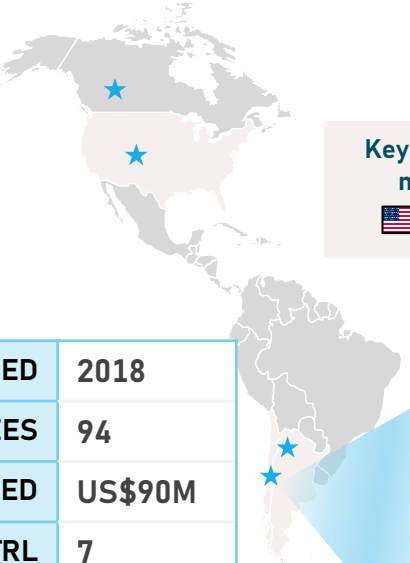


**SUMMIT**  
**NANOTECH**  
DLE DONE RIGHT


August 2025

# Summit Nanotech at-a-glance

Summit Nanotech delivers industry-leading direct lithium extraction (DLE) with breakthrough technology, cost leadership, and industrial scalability.



**Key customer markets**



<b>FOUNDED</b>	<b>2018</b>
<b>EMPLOYEES</b>	<b>94</b>
<b>CAPITAL RAISED</b>	<b>US\$90M</b>
<b>TRL</b>	<b>7</b>
<b># BRINES TESTED</b>	<b>36</b>



Field pilot (2022)



Field demo (2025)



## Calgary, Canada (HQ)

Mechanical engineering, sorbent development, and pilot scale sorbent manufacturing facility



## Denver, United States

DLE pilot plant and process development, continuous improvement, and in-house demo for U.S. projects



## Santiago, Chile

In-field project development, joint ventures, operations center, and in-house demo for South American projects



## Salta, Argentina

In-field project development and joint ventures



# Overview of commercial progress



Highly **successful field demo** with major mining company



**Superior sorbent performance** with 3rd party validation



In-house demo delivers faster path to **commercial plant design**



Unparalleled combination of **low water use, high lithium recovery and high impurity rejection**



**Commercial design for 25ktpa plant** in progress



**Lowest levelized cost of lithium** of all DLE companies



# DLE is the key to sustainably increasing lithium recovery



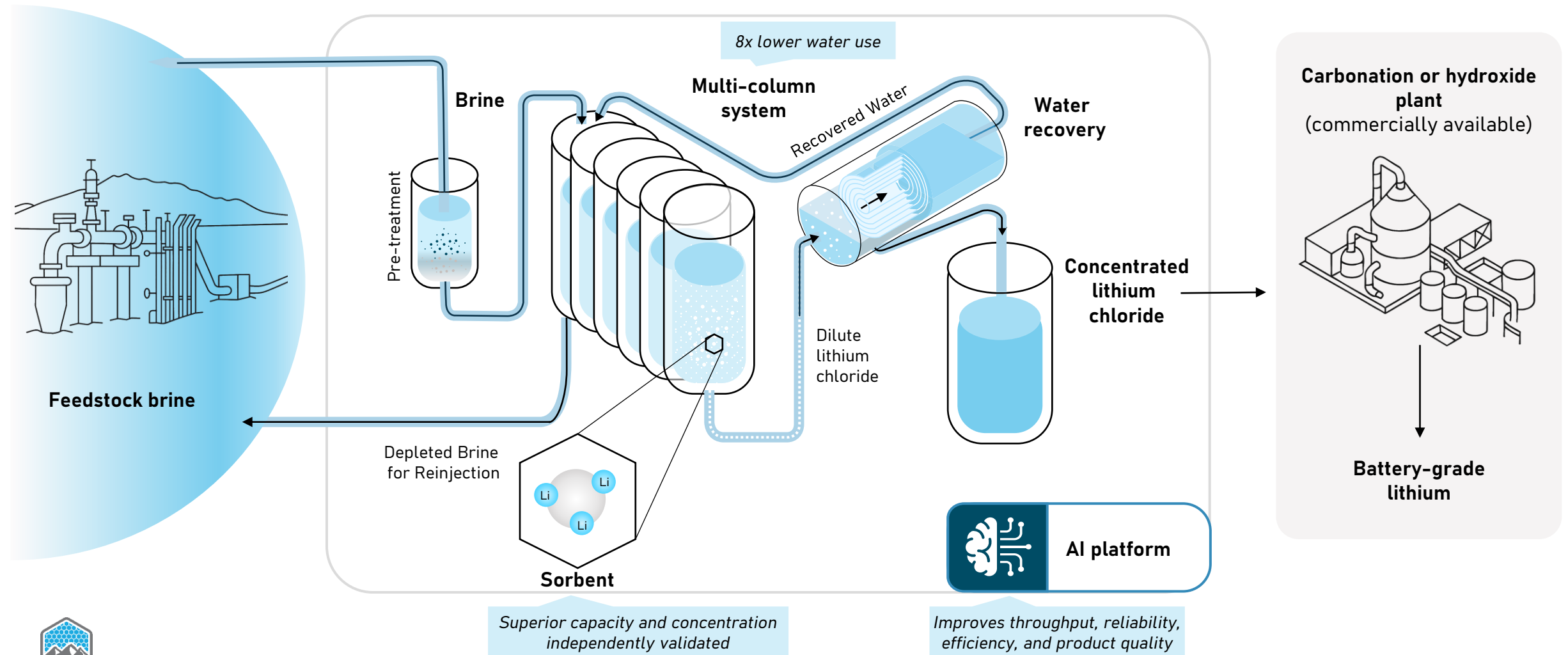
		DLE	Evaporation Pond
Lithium yield	✓	80+% end-to-end yield	40-65%
Fresh water	✓	~25m <sup>3</sup> /t LCE	50-120 m <sup>3</sup> /t LCE
Footprint	✓	4 ha/tLCE	30-60 ha/tLCE
GHG emissions	✓	3-4t CO <sub>2</sub> e/t LCE	0-15t CO <sub>2</sub> e/t LCE
Waste	✓	0.8-3.6 t/tLCE	>100 t/tLCE

DLE increases lithium recovery from developed assets, and unlocks assets that are impossible to develop using traditional methods...

...and most oil & gas and mining companies are choosing sorbent-based DLE.



# Summit's denaLi™ DLE is best-in-class



# Proven in the field across various systems and brines

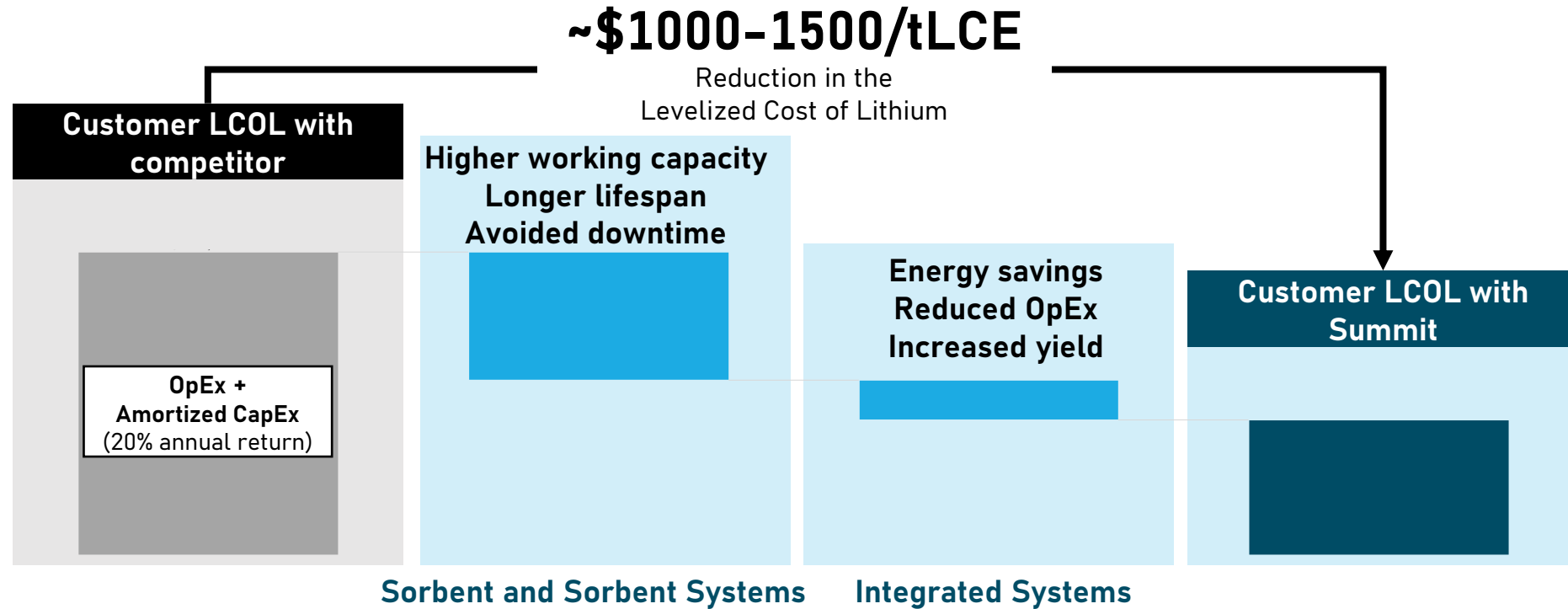


Key metric	Achieved
Lithium recovery	✓ 98%
Impurity rejection	✓ 96%
DLE-specific water use	✓ 7m <sup>3</sup> /tLCE

Summit's multi-column DLE systems reliably deliver **industry-leading performance and water efficiency** across diverse brine compositions



# Full-stack technology drives capex and opex savings



## Additional sources of value:

- ✓ Non-"Foreign Entity of Concern" supplier
- ✓ Particle size / distribution flexibility to optimize flow through the columns
- ✓ White glove service (R&D, implementation, troubleshooting)



# How to validate denaLi™ DLE for your project

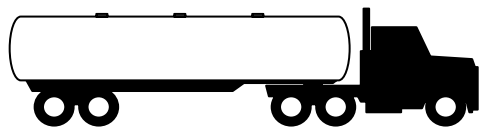


	Litmus Test	Bench Test	In-House Demo
<b>Objective</b>	Quickly confirm your brine is compatible with denaLi™.	Lab-scale techno-economical assessment and initial view of operating parameters.	Fully optimized parameters, design and cost estimate for a commercial denaLi™ DLE system.
<b>Deliverable</b>	Summary report	Detailed report	Commercial proposal
<b>Duration</b>	2-4 weeks	8-10 weeks	12-16 weeks



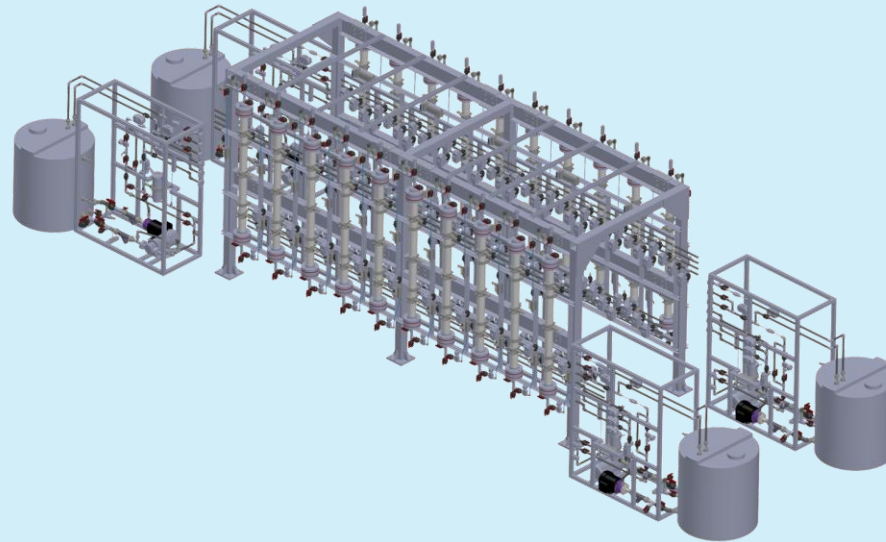
# Accelerating commercial design validation in-house

## Brine In



~30m<sup>3</sup> of field brine required

## In-House Demonstration Plant



**Santiago, Chile**  
*Online January 1, 2026*

**Advanced plant design verified by  
extensive field experience**

## Commercial Proposal Out

- **Optimized operating parameters**
  - Lithium recovery
  - Water use
  - Energy use
  - Impurity rejection rate
- **All engineering design factors**
  - DLE plant layout
  - Equipment list
  - Budget pricing for CapEx and OpEx
- **Accounts for dynamic brine conditions** such as variable temperature, flowrate, composition, etc.
- **Requires 25% of the time and 10% of the cost of a traditional on-site demo**





# SUMMIT NANOTECH

## STAY CONNECTED

SUMMIT NANOTECH CORPORATION  
#10 2638 Country Hills Boulevard  
Calgary, AB T3N 1A7 Canada

[SUMMITNANOTECH.COM](https://www.summitnanotech.com)