

AIM: CTL



CleanTech Lithium Company Presentation

Benchmark Summit
10th April 2025

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Advancing Direct Lithium Extraction at Our Projects in the Lithium Triangle



Chile is looking for private companies like CleanTech Lithium to help unlock potential of selected salar basins



Scoping studies completed for Laguna Verde and Viento Andino projects, PFS nearing completion at Laguna Verde



Flagship lithium project

Laguna Verde



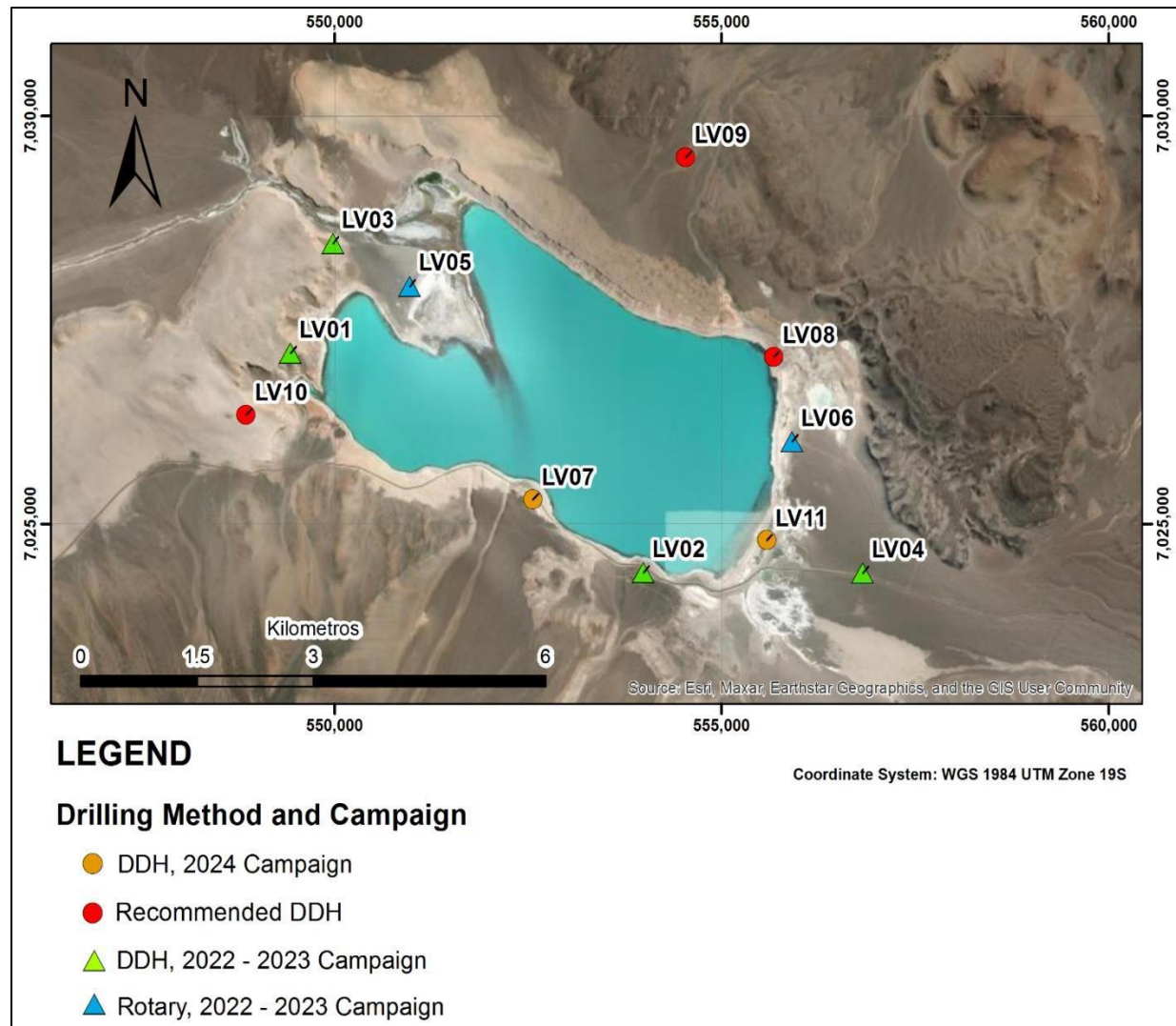
Successful drilling campaigns since 2022 to establish major resource



JORC resource of 1.63 million tonnes LCE, 0.81 mt M&I. Significant amount for multi-decade project to supply EVs and batteries



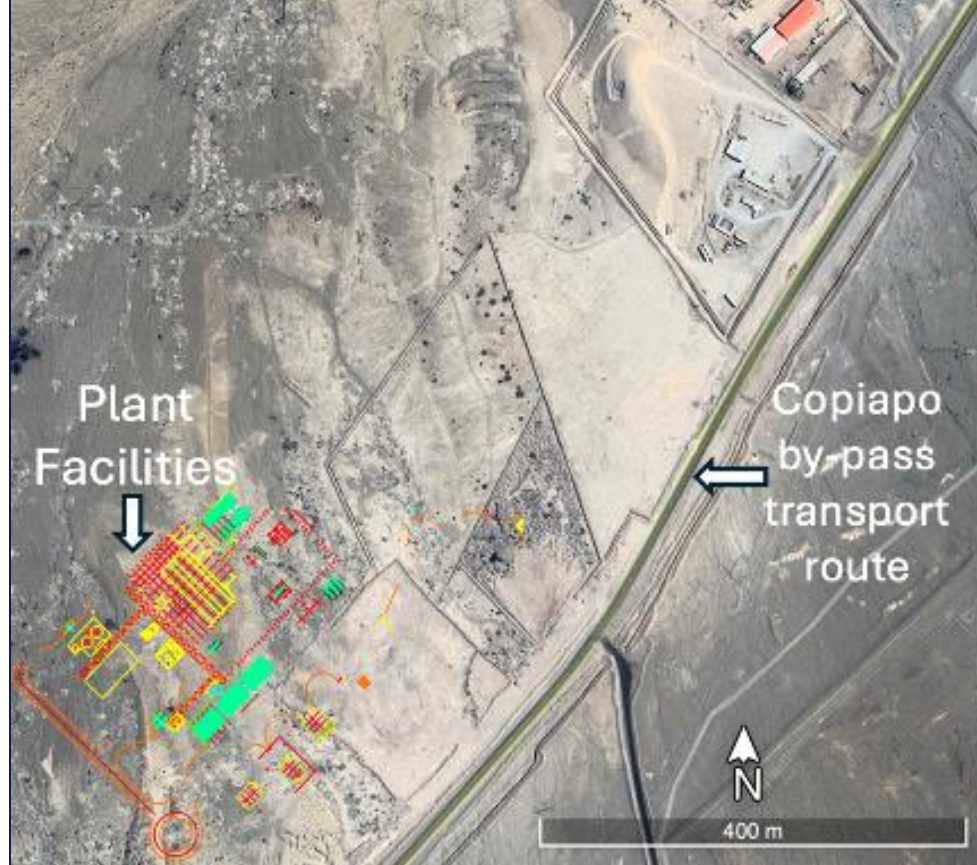
Additional resource drilling, reinjection and pump testing planned post ASX listing



Delivering the project

Laguna Verde Pre-Feasibility Study Progress

- Scoping Study completed Jan 2023 showing very strong economics
- PFS, led by international engineering company Worley, is progressing and scheduled for release by end-April.
- Significant milestone to initiate substantive strategic partner conversations.



Well Advanced(>90%)/Completed						Developing		
Power Access	Port Access	Plant location	Lithium product study	Community agreements	Resource Update	Water Access	Technical/ Hydro studies	Capex and Opex costs
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

Project 2

Viento Andino



127km² licence area – located within 100km of Laguna Verde, similar key infrastructure



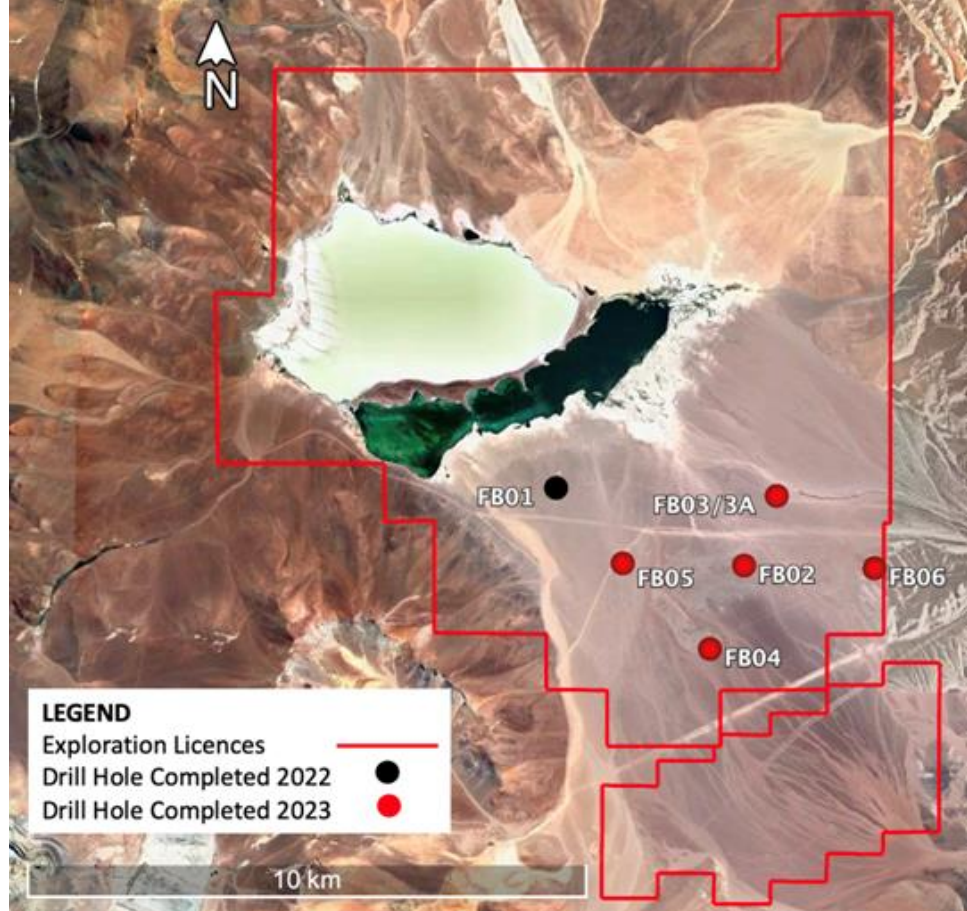
Water and power access nearby: 10km away from substation at Maricunga mine



Average grade 207 mg/L Li



Scoping study published Sept 2023 with positive economics



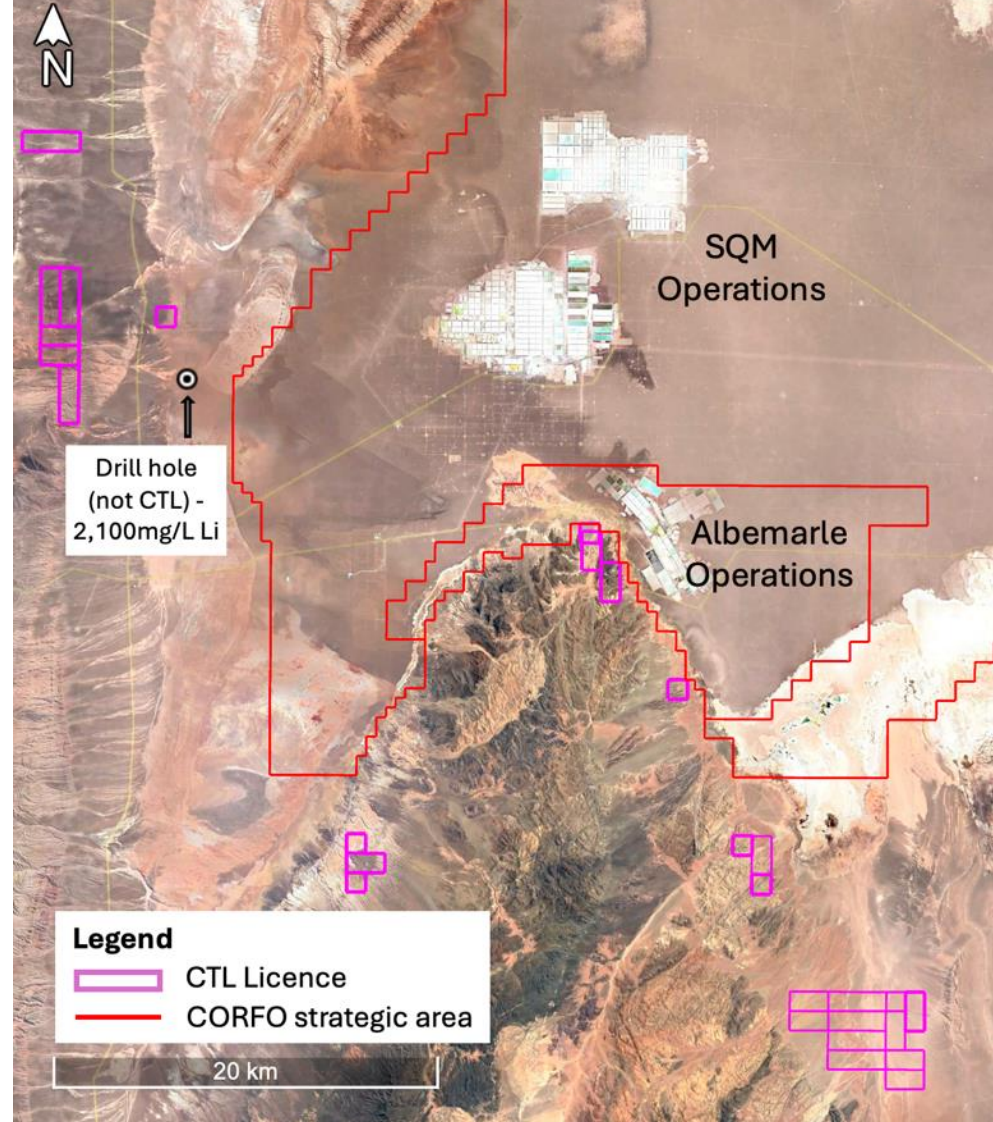
JORC Resource	Measured	Indicated	M+I	Inferred	Total
Lithium (mt LCE)	0.0	0.44	0.44	0.48	0.92
Grade (mg/l Li)	n/a	221	221	195	207

Project 3

Arenas Blancas – Exploration Upside

- ✓ Located periphery of Salar de Atacama basin (30% of global lithium production in 2024)
- ✓ 200km² licence area, located outside the CORFO strategic area
- ✓ Historical geophysics indicates the highly lithium enriched subsurface aquifer extends into licence area
- ✓ Well drilled by a 3rd party <2km from west licence blocks averaged 2,100mg/L Li. Technical work programme planned subject to consultation with local communities

The Salar de Atacama has the largest lithium reserves in the world at 9.3 million tonnes.



The Board has Delivered Major Mining Projects



Dr. Steve Kesler Exec-Chairman

Chile experience, first CEO of Collahuasi and VP Escondida leading growth to 1million tpa copper Former CEO ASX listed European Lithium/ Ex-Rio Tinto and Billiton. PhD in Mineral Technology.



Ignacio Mehech, CEO – Joined April 2025

Former Country Manager for Albemarle in Chile up until 2024, managing a workforce of 1,100 employees. Managed high profile engagements with investors, OEMs, NGOs, analysts, scientists and international government representatives.



Australian based Tommy McKeith Ind. NED

Chairman Arrow Minerals, NED Evolution Mining. 30 years experience as public company director inc. Chairman Genesis Minerals and Prodigy Gold. International experience with several ASX listed mining companies and as Exec VP Goldfields



Gordon Stein CFO

Over 30 years of expertise in the energy, natural resources and other sectors in both executive and non-executive director roles.



Maha Daoudi- Ind. NED

Former global head of copper concentrates trading at Trafigura. Expertise in offtake agreements and forming strategic partnerships.



Jonathan Morley-Kirk Senior Ind. NED

30 years of experience including 20 years in NED roles (ASX, TSX, LSE)

Company Snapshot



AIM listed, IPO in March 2022, invested over US\$30m in Chile



Plans to dual-list on ASX, process well-advanced



Shares on issue ~100 million. Current Market valuation £9.3m*



Major Shareholders include established resource funds

As of 7th April 2025



Regal* **13.58%**



Board and Management **7.83%**



Athos **4.33%**



Direct Lithium Extraction

"It (DLE) is actually the solution to provide the lithium that the world needs,"

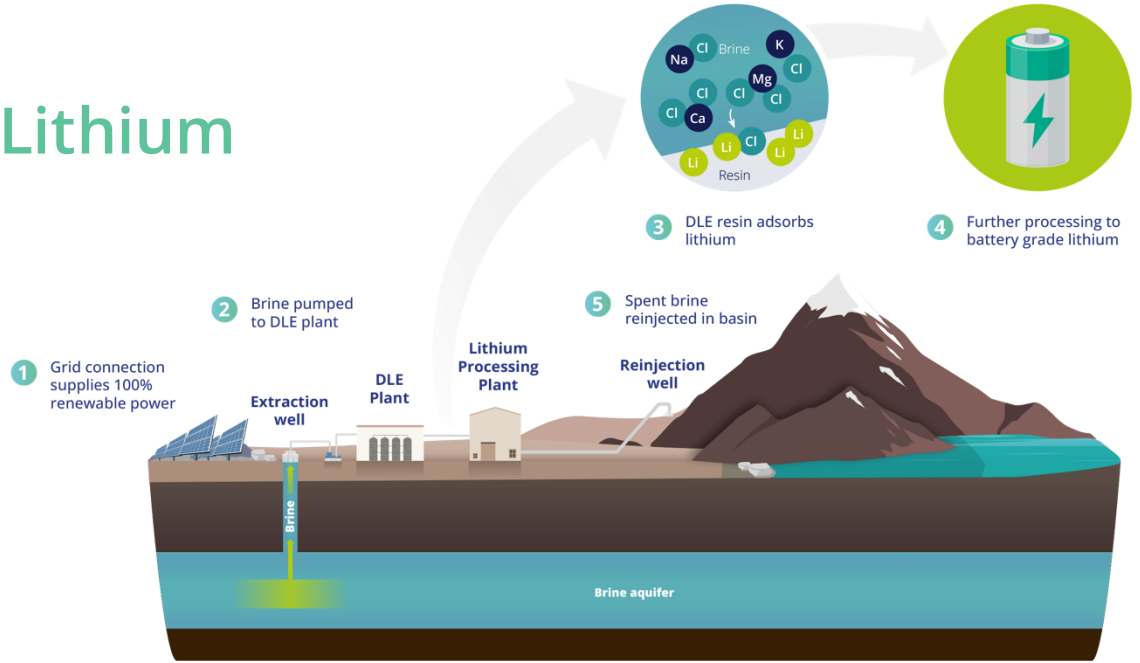
Rio Tinto CEO Jakob Stausholm



Direct Lithium Extraction (DLE)

Selective Extraction of Lithium from Brine

- ✓ DLE used commercially for >20 years by Livent in Argentina, and more recently in China and now seeing major investment e.g. Rio Tinto and Eramet
- ✓ Much higher recoveries than evaporation ponds
- ✓ Short production (1 to 2 days) vs evaporation ponds (12 to 24 months)
- ✓ No requirement for evaporation ponds
- ✓ Low-carbon emissions



Brine extraction






Existing DLE plant, Xi'an, China



Smaller operational footprint

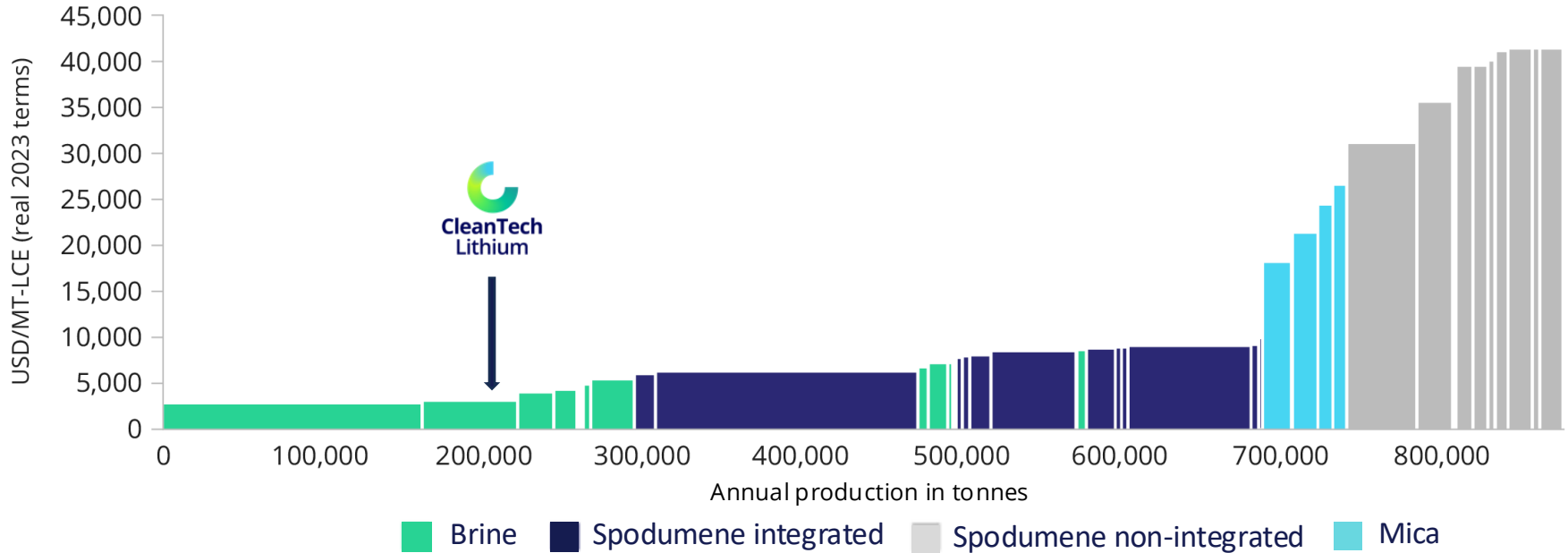
Producing Pilot Scale Lithium Carbonate

-  We are producing lithium carbonate from Laguna Verde concentrated eluate - recently proven to be high purity (99.78%) with low impurities (Jan 2025).
-  Focus is on scaling these results and with further refinement to produce up to 1 tonne per month of LCE.
-  Battery-grade product will be made available to potential strategic partners and off-takers to start product qualification in the next 2-3 months.



Brine-based lithium projects cost advantage

Lithium carbonate C1 cost curve - 2023



Source: Benchmark Mineral Intelligence

Delivering the project


Closing in on an Operating Contract (CEOL) with the Chilean Government

- Laguna Verde is one of six salars to be fast-tracked by the Chile Gov't for CEOL awards as part of a streamlined process.
- CleanTech submitted the Special Lithium Operating Contract application in January 2025.
- 5000+ page application to meet the criteria set out by the Government for private companies. CleanTech is confident the Company is eligible for the streamlined process.
- Game changing moment to initiate substantive strategic partner conversations. CleanTech hoping to receive CEOL award by mid-2025.



Delivering the project

Strong Stakeholder Relationships. Co-designed Agreement with Local Communities

 Early engagement with indigenous communities has led to an agreement to collaborate on EIA and CEOL contract process

 Strong community support – both privately and publicly and a priority for the Chilean government

 CleanTech is also collaborating with local universities to mutually develop DLE expertise and skilled workers



Líder indígena de Atacama que criticó alianza Codelco-SQM entrega respaldo a proyecto de litio de CleanTech Lithium

Pathway to production

Achieved and upcoming value drivers



Thank You

Contact us: info@ctlithium.com




Ignacio Mehech
Chief Executive Officer
CleanTech Lithium



Appendices



ASX dual-listing in sight and well advanced

-  Expecting strong support from an investor base well experienced in the mining and extraction space.
-  Advancing sustainable lithium production at a lower operating cost than most ASX peers using hard-rock processes
-  Upon completion, we hope for a real re-rating at that time based on peer comparison



Investment Case

Lithium demand expected to more than double by end of decade with supply deficit



Number of major milestones achieved recently. Active 1H of 2025 – CEOL, PFS, Reserves and expected uplift following ASX listing

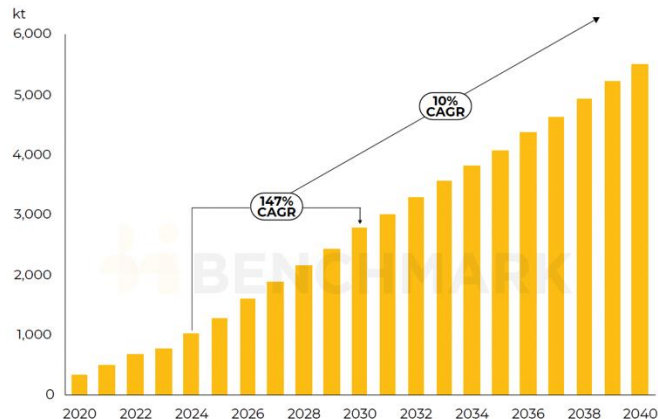


Chile was the largest lithium producer for the global market and wants to regain this position with 3 or 4 new projects by 2026. Laguna Verde project declared a priority. FTA with the USA. No processing in China unlike hard rock projects.



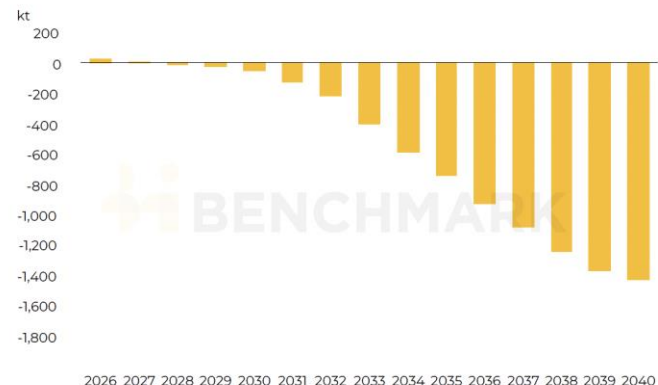
EV adoption continues to rise globally with LFP batteries requiring lithium carbonate increasingly favoured.

Lithium demand expected to more than double by the end of the decade



Source: Benchmark Lithium Forecast


Lithium expected to be in a deficit by the end of the decade





Source: Benchmark Lithium Forecast

Investment Case

Backed by Major Industry Momentum

 Rio Tinto's bet on lithium sends confident message to long-term lithium industry

 "The plan reflects how closely tied Rio CEO Jakob Stausholm and his leadership team believe lithium is to the company's future"
Reuters, Jan 2025

 Eramet's Centenario project in Argentina is using DLE and up and running producing commercial quantities of lithium carbonate since late Dec 2024

Arcadium Lithium shareholders approve \$6.7 billion Rio Tinto deal

By Reuters

December 23, 2024 9:57 PM GMT · Updated a month ago



Eramet delivers first lithium carbonate from Centenario DLE plant in Argentina

 December 27, 2024  2 min read



Centenario plant in Argentina. Image from Eramet.

Eramet has delivered first production of lithium carbonate from its newly commissioned Centenario plant located in Argentina's Salta province, making it the first European company to do so at an industrial scale.