

Sustainable Lithium

A New Path for Lithium in Chile

Investor Presentation May 2022



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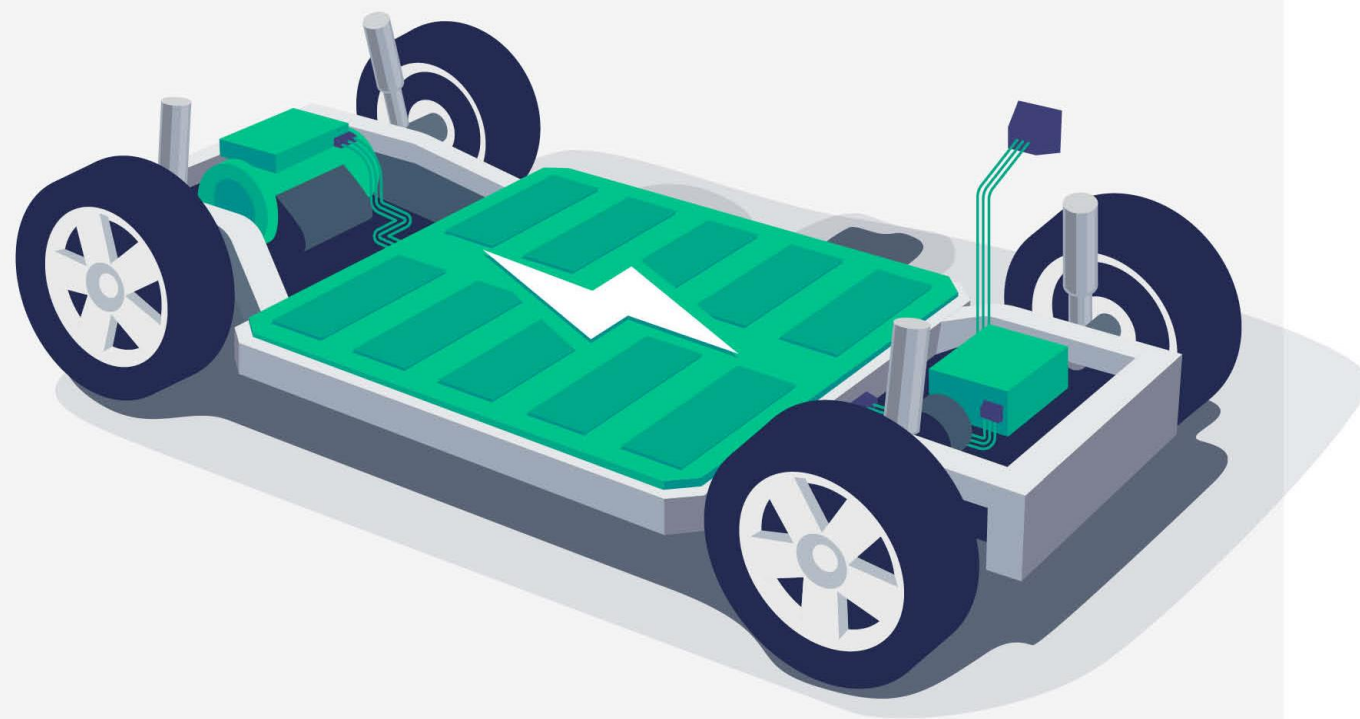
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Investment Highlights

Sustainable Lithium for the EV Revolution



Highly prospective assets, **near-term production potential**



Utilising direct lithium extraction to **vastly reduce the environmental impact** of lithium production in Chile



Utilising renewable energy to produce **low or zero emissions lithium, a critical advantage** in the fast growing EU market



Attractive entry point and valuation to listed peers



Proven management team in the Chilean mining & renewable energy sectors and strong financial markets experience



New Chilean government **strongly supports new private sector lithium producers with green credentials**

CleanTech Lithium Snapshot

- Jersey registered company with offices in the London, Santiago and Jersey
- Two highly strategic lithium projects in Chile with a total licence area of >175km²

Project Name	Licence Area
#1 Laguna Verde	67 km ²
#2 Francisco Basin	110 km ²

- Laguna Verde has a 1.2mt JORC compliant resource estimate, while surface brine sampling at Francisco Basin has returned high average lithium grades
- CleanTech is creating a new path for lithium in Chile based on a low impact, sustainable method of extraction
- Experienced board and management, with experience that includes developing major new mines in Chile



CleanTech Lithium Board & Management



STEVE KESLER
Non-Executive Chairman

45 years of executive and board roles in the mining sector across all major capital markets including AIM. Direct lithium experience as CEO/Director of European Lithium and Chile experience with Escondida and as the first CEO of Collahuasi



ALDO BOITANO
Chief Executive Officer

Co-founder of CleanTech Lithium, 25 years of management roles in the US & Chile, board member of the International Leadership Association. Pioneer in Chile's solar industry with >800MW of projects deployed



Jonathan Morley-Kirk
Non-Executive Director

30 years of experience including 17 years in Non-Executive Director roles with expertise in financial controls, audit, remuneration, capital raisings, taxation/ structuring and risk management



Gordon Stein
Chief Financial Officer

Commercial CFO with over 30 years expertise in the energy, natural resources and other sectors in both executive and non-executive director roles. A chartered accountant, has worked with start-ups to major companies, including board roles of six LSE companies

Senior Management



JASON BAVERSTOCK
Executive Strategy & Development

Co-founder of CleanTech Lithium, 20 years finance and mining sector experience in China, HK & Australia. Founder of Salt Lake Potash, which grew from A\$10m to >A\$200m during directorship period to 2017



ALVARO FLOREZ KEIM
Legal Manager, Chile

Lawyer, qualified in Chile and Australia, with 12 years experience focussed on mining, corporate matters and project development.



MARCELO BRAVO
Ad-Infintum

One of the worlds leading lithium processing experts. Former head of processing at SQM's Atacama project, the worlds largest lithium production base

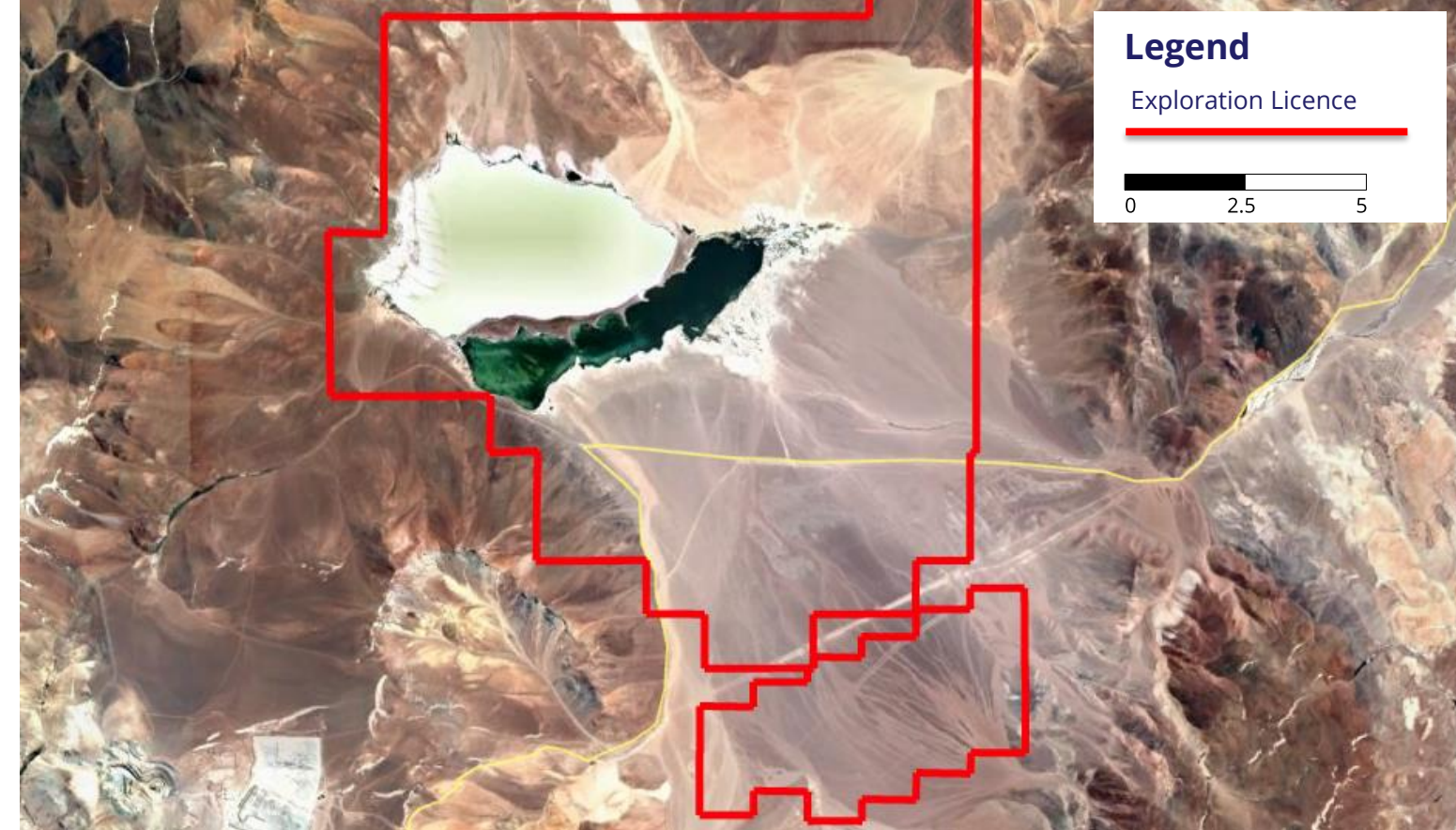
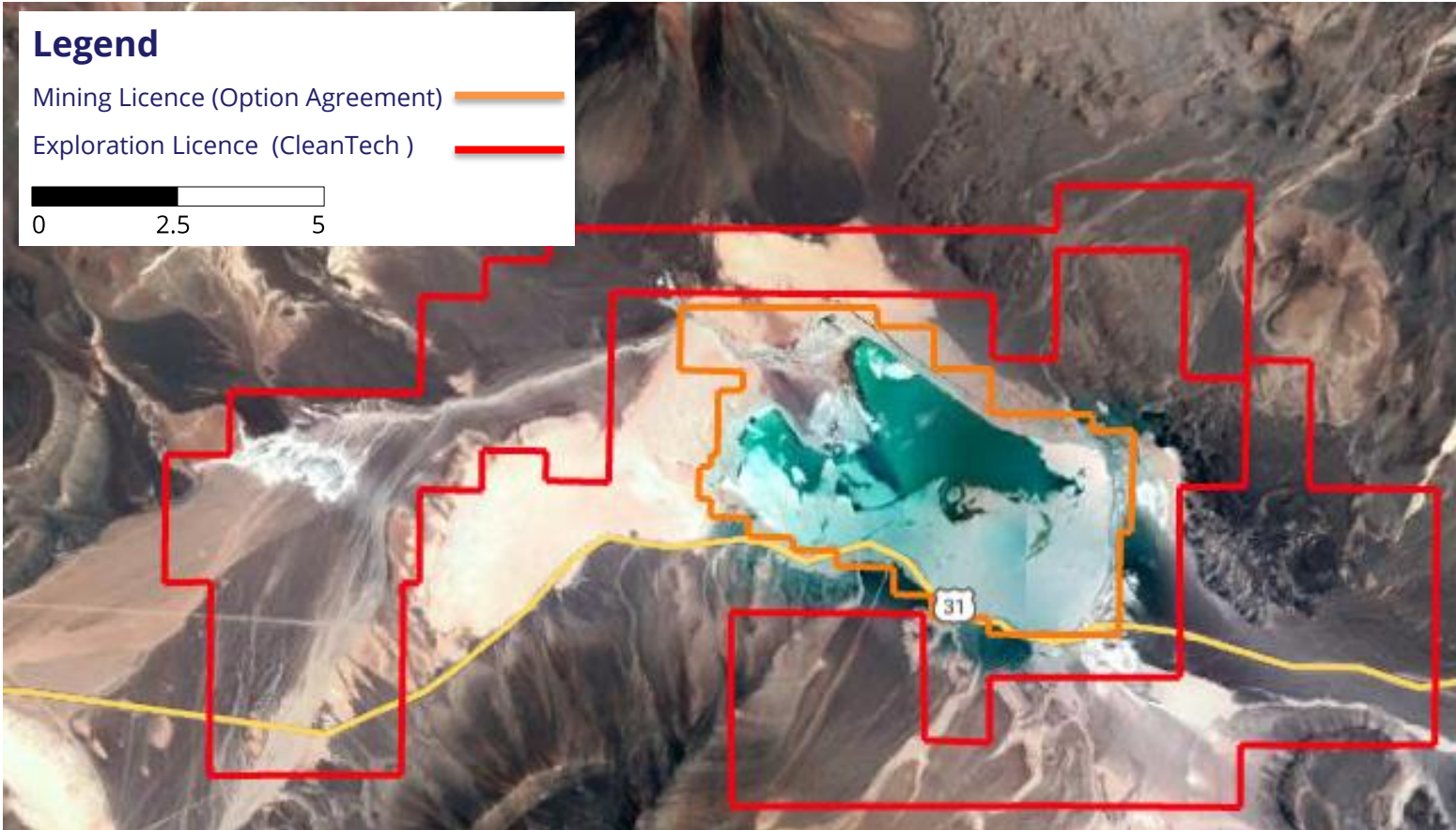


PEDRO TORRES
Beyond Lithium

Provides engineering services for applying DLE technology for emerging lithium producers. Formerly Senior Operations Engineer with SQM in Chile

Projects





Laguna Verde Overview:

#1

- Laguna Verde is a steep valley shaped basin, rimmed by volcanos
- The low point of the basin is a hypersaline lake (the 'surface brine resource') covering 15.8km². A deep sediment hosted aquifer lies directly beneath
- Current JORC compliant resource estimate of 1.2 million tonnes of lithium at a grade of 246mg/L lithium starting from surface
- Laguna Verde Mining Licences (orange outline in the above map) are held via an Option Agreement

Francisco Basin Overview:

#2

- Francisco Basin features a salar and lagoon with shallow surface brine, and a gradually rising plain to the south
- This southern plain is the focus area of the project, with a drilling programme mobilised in March 2022
- Previous surface brine sampling programmes produced average lithium grades of 375mg/L & 694mg/L

Laguna Verde Work Programme

- A resource drill programme mobilised in January 2022 encompassing four drill hole locations
- The locations were selected to fulfill three objectives:
 - 1) Drill the four sides of the Laguna Verde lake
 - 2) Intercept the low resistivity zones
 - 3) Based on a 2.5 – 5km drill spacing grid, upgrade the current Inferred resource estimate to Measured + Indicated
- Samples from the program will be submitted to the laboratory for analysis in Q2 and reported to the market during the quarter
- The upgraded resource will support a PFS, to commence 2H 2022

LV01
Feb
2022



Holes Drilled	Drilling Depth	Brine Aquifer Thickness
LV01	474m	348m
LV02	339m	282m
LV03	547m (480m)	380m

Francisco Basin Work Programme

- Resource drill programme mobilised in March 2022 encompassing four drill hole locations
- Programme aims to test a lithium target zone (10–15 km²) identified by geophysics
- Two holes planned before winter starts in May, two wells planned post winter, starting October 2022
- JORC compliant Inferred resource estimate, based on two wells, in Q2 2022, and upgraded JORC compliant Measured + Indicated resource by end 2022, supporting a PFS planned for 1H 2023.



FB01 Rig – April 2022

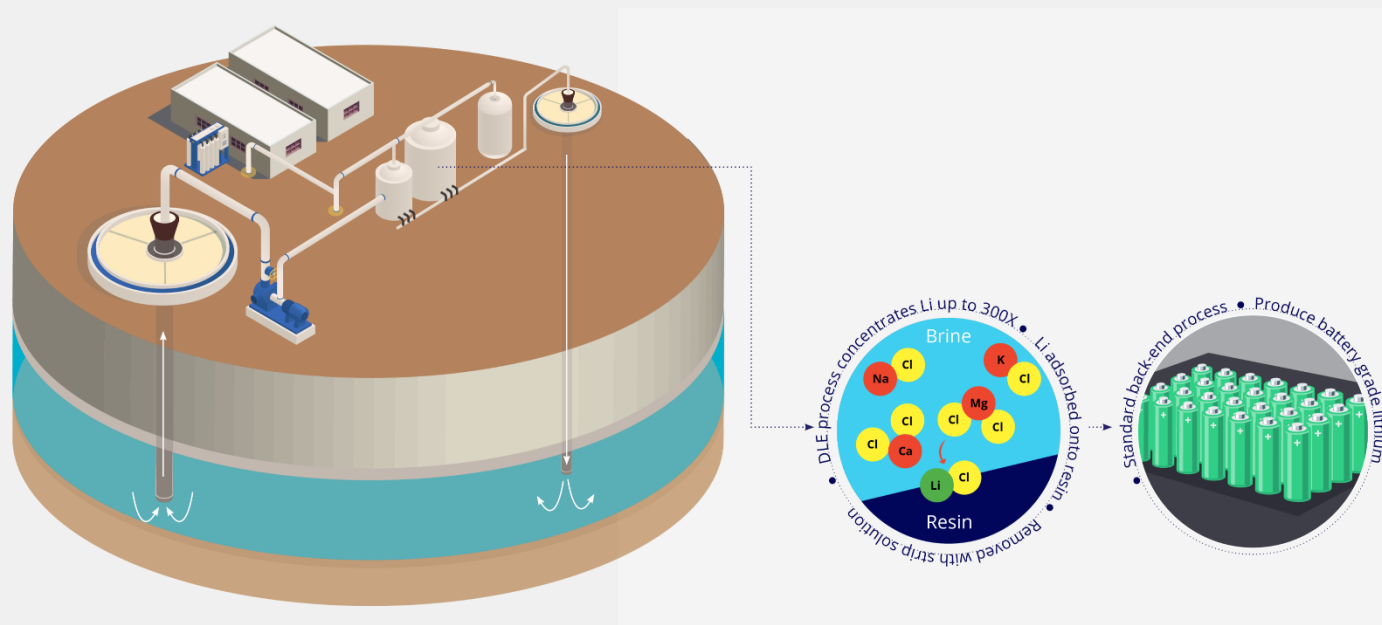


FB02 Rig - just arrived

Holes Drilled	Drilling Depth	Brine Aquifer Thickness
FB01	338m	238m
FB02	Spud on 28 April	N/A (yet)

Direct Lithium Extraction:

Low Impact and Sustainable



Deploying direct lithium extraction (DLE) technology, a revolution in sustainability for lithium extraction

- Brine is pumped to processing unit, resin used to extract only lithium, spent brine re-injected
- No evaporation ponds, no aquifer depletion

DLE Pilot Production Plan

- DLE test work has been completed with leading technology providers including Lilac, Sunresin, Summit NanoTech and Beyond Lithium
- Successful pilot scale production is the key processing path milestone prior to the development of a commercial scale lithium operation
- CleanTech entered into a Cooperation Agreement with Beyond Lithium, a Chilean-Argentinian based DLE consultant, to achieve key laboratory and pilot-scale milestones:

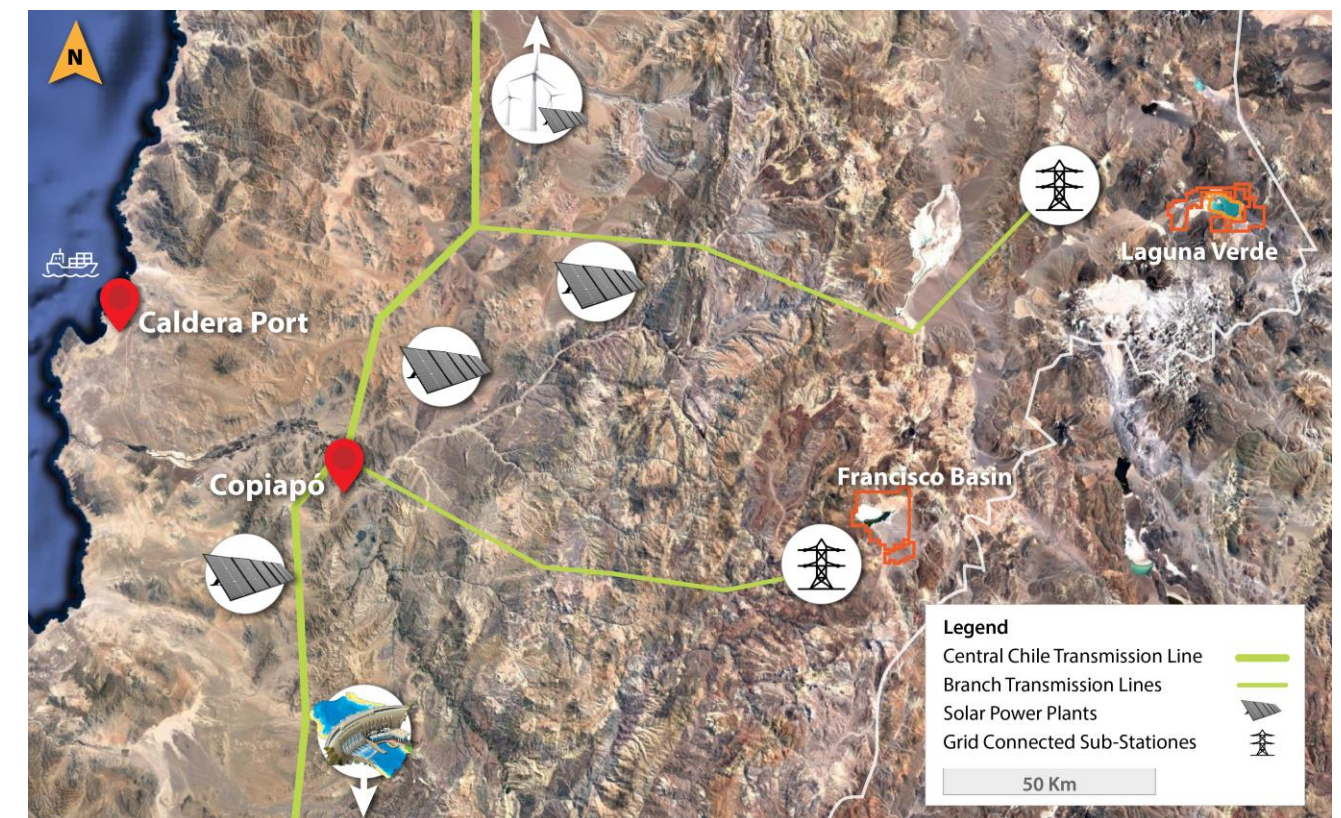
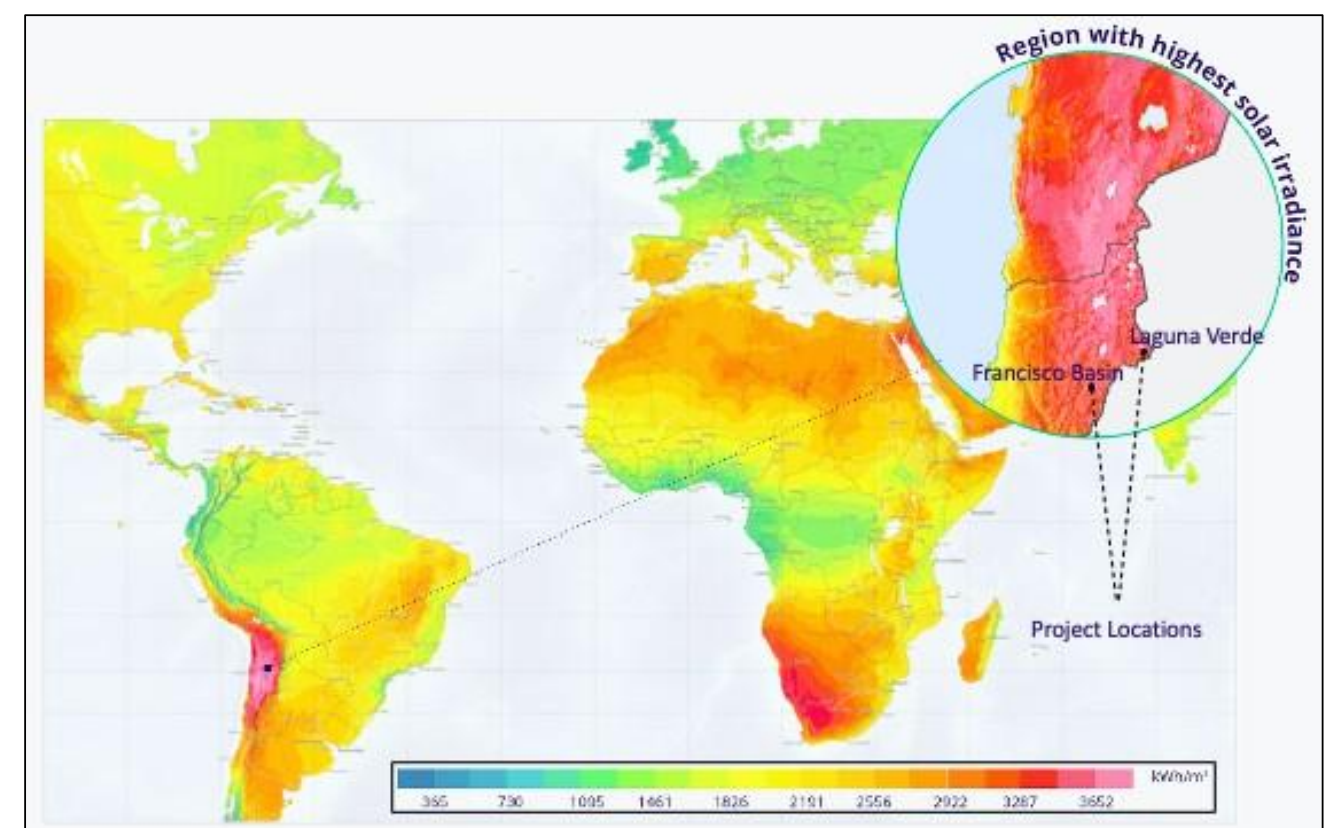
Milestone	Description	Duration
1) Laboratory Test-work	Process trials on an initial 60L sample and then a 2,000L sample to produce 1kg of battery grade lithium	6 months
2) Pilot Plant	Build pilot plant at site to produce 10 tonnes per month of battery grade lithium for 3 consecutive months	12 months

- The agreement is incentive based, without commercial constraints, licensing or royalties
- CleanTech will own any intellectual property over the process flow sheet developed for the projects, which is expected to include a patent application
- Trial-work on a 2000L sample to produce 1kg of battery grade lithium is planned for completion by Q2 2022, with pilot plant construction to commence thereafter
- The Company will continue to work with other selected DLE technology providers whilst progressing the cooperation agreement with Beyond Lithium

Clean Energy for Processing Utilising Existing Grid

- The Central Chile Power Grid has one of the highest renewable energy contents of any national power grid in the world
- Numerous renewable energy providers supply the grid up and down the length of Chile:
 - Solar plants in the Atacama region
 - Hydropower in southern Chile
 - Solar (PV and thermal), wind and geothermal power in northern Chile
- Sub-stations which connect to the grid are located in close proximity: 52km and 5km from Laguna Verde and Francisco Basin respectively
- CleanTech Lithium plans to lock in a 100% renewable energy PPA
- The grid operator and PPA supplier would ensure 24/7 year round renewable energy supply

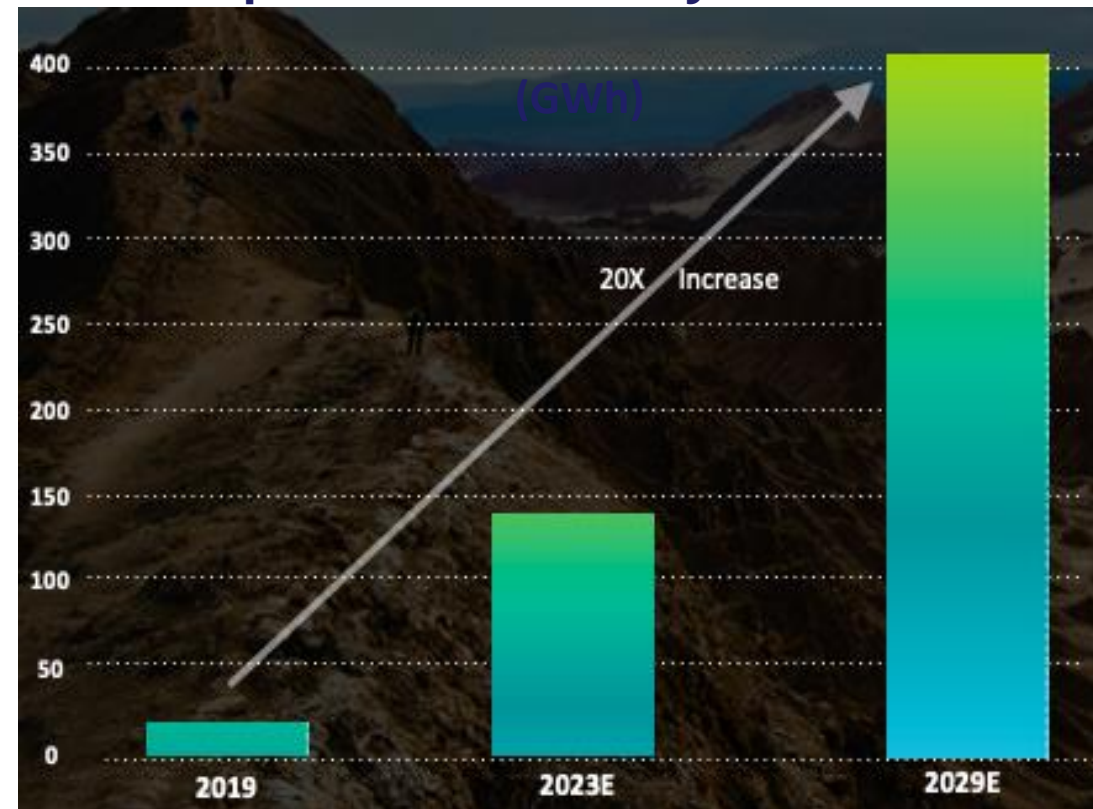
Chile's world leading renewable energy grid and the projects infrastructure advantage provide a ready made solution for CleanTech's clean energy processing plan



Low Emissions Lithium For The EU Market

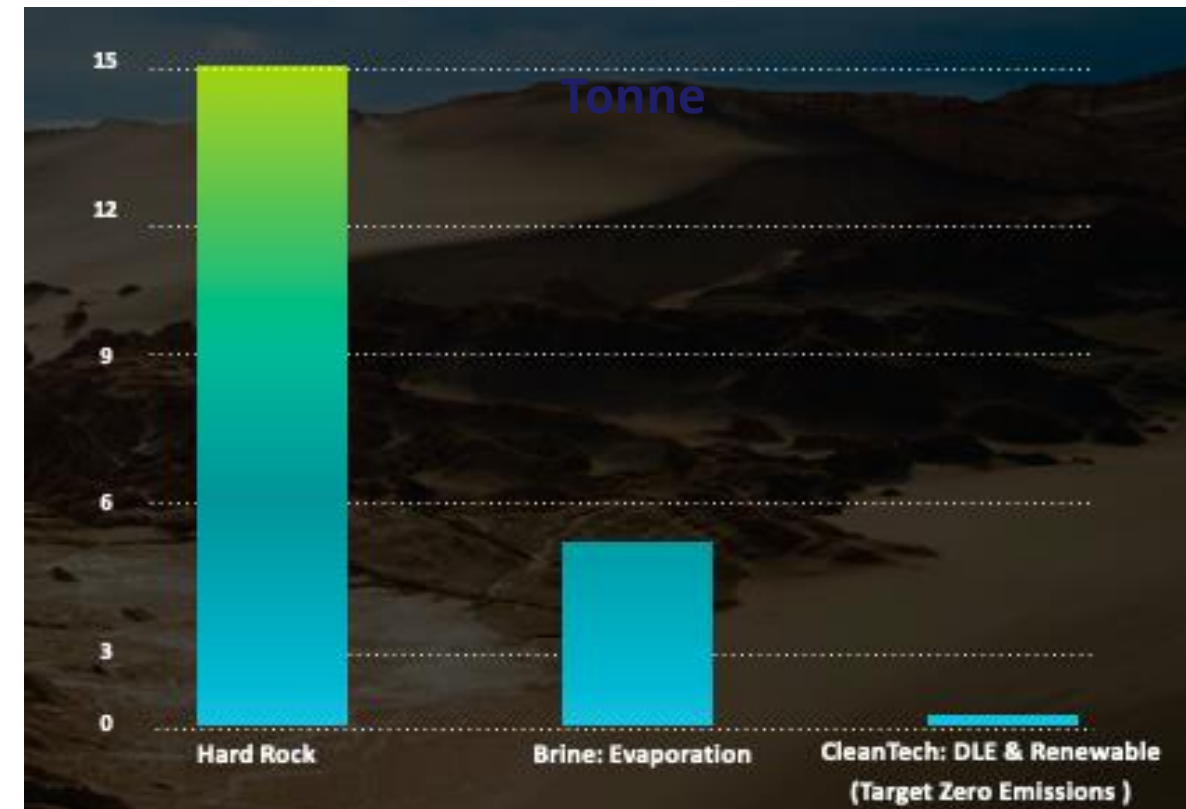
- Europe is the key growth market for lithium with demand forecast to increase 20X this decade
 - The EU recently announced strict CO2 footprint limits on the Li-ion battery supply chain
- Lithium production from hard rock mines and evaporation pond operations generate high emissions: estimated 5 - 15 tonnes CO2 per tonne of lithium
- **Cleantech Lithium's strategy to integrate renewable energy with DLE with solar unlocks a path to zero emissions, a critical advantage for the EU market**

European LI-ion Battery Cell Forecast



Source: Benchmark Minerals

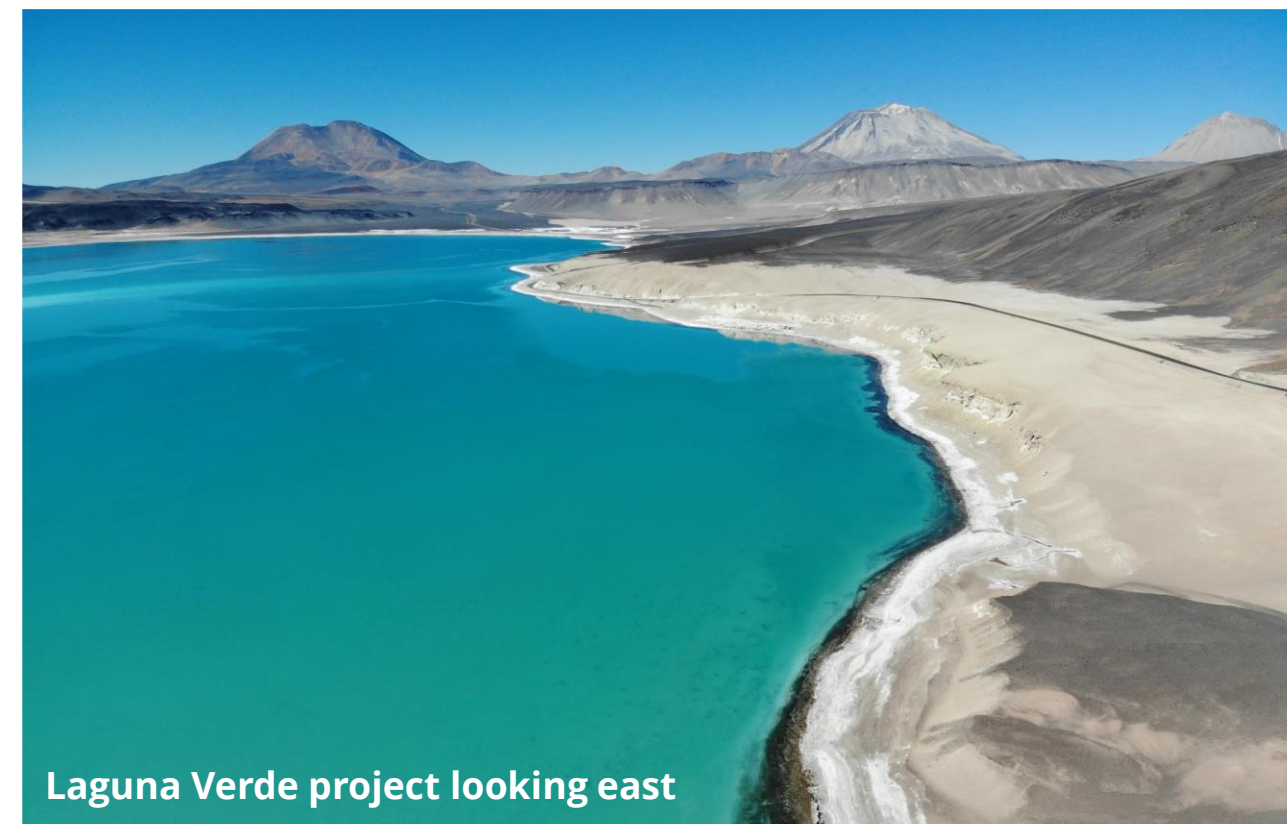
Lithium Production CO2 Tonne/Lithium



Source (for Hard Rock and Brine): Minviro Study

Next 12 Months: Catalyst Events

- Upgraded resource estimate at Laguna Verde, establish maiden resource estimate at Francisco Basin – Q2 2022
- Lab-scale DLE test work to produce 1kg sample of battery grade lithium – Q2 2022
- Commencement of DLE pilot plant construction – Q3 2022
- Laguna Verde Scoping Study – Q3 2022
- Further resource upgrades from 2nd drilling campaigns at Laguna Verde and Francisco Basin – Q4 2022 & Q1 2023
- Commencement of DLE pilot plant production to produce 10 tonnes of battery grade lithium per month – Q2 2023



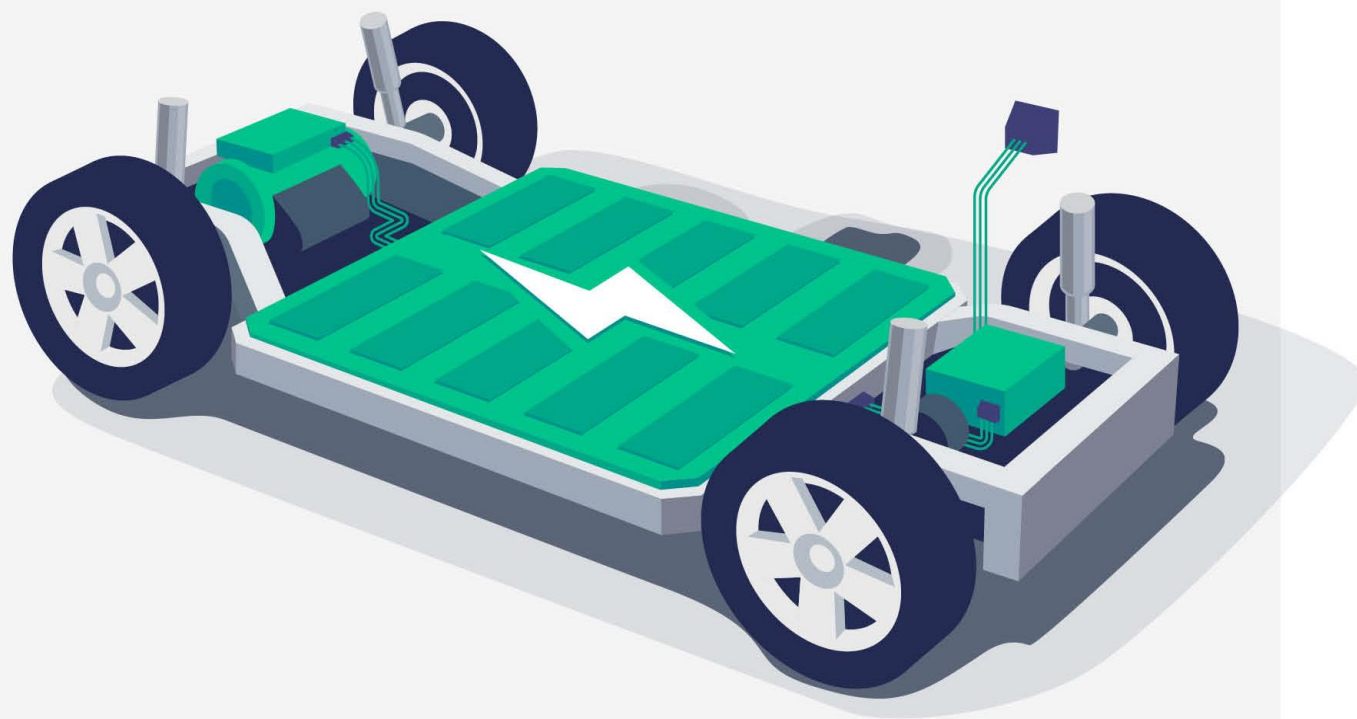
Laguna Verde project looking east



DLE test-work on Laguna Verde brine

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Resource Drilling Gallery



LV03 slant drilling rig – Laguna Verde



LV02 – Cased bores have minimal impact



Laguna Verde sampling store



Francisco Basin drilling rig after high pressure release



View from Francisco Basin drill site – all CleanTech licence area

CleanTech Lithium - Key Data

Market listing: AIM	Ticker: CTL	Market cap: £25M	Share price: 31.80p (10.04.22)
Funds raised IPO: £5.6M	Shares in issue: 79,033,242	Research: Fox Davies	Price Target: 12mth £1.05

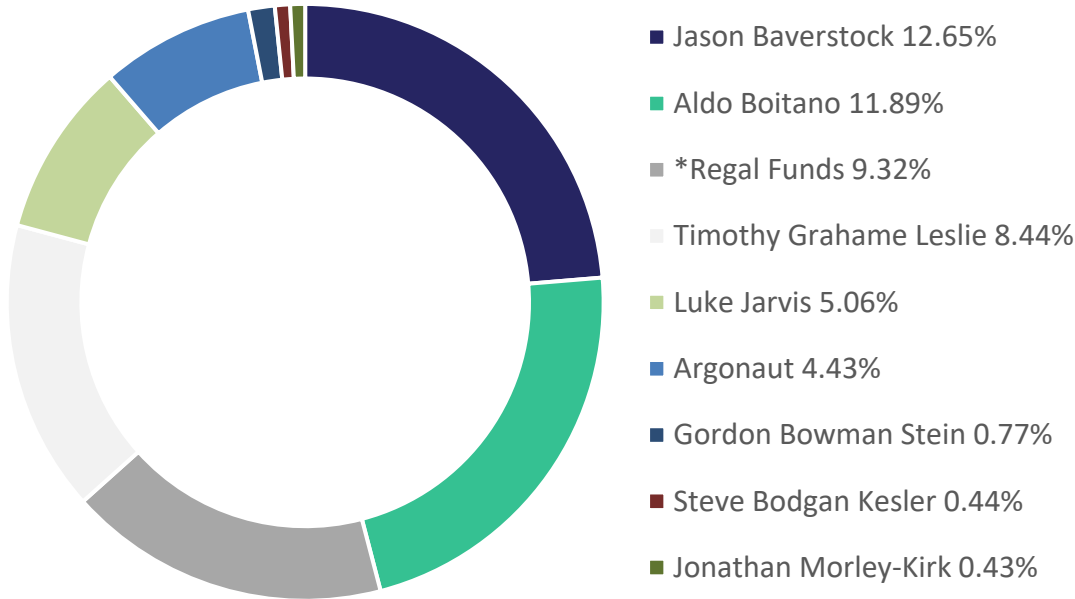
Gaius King, Research Analyst at Fox Davies' view: **"We strongly believe CTL is the most attractive non-traditional lithium play globally."**

Directors and Significant Shareholders:

Percentage not in public hands 33.91%

Investor	Holding
Jason Baverstock	12.65%
Aldo Boitano	11.89%
*Regal Emerging Companies Opportunities Fund and Regal Emerging Companies Funds 111	9.32%
Timothy Grahame Leslie (Tim Leslie)	8.44%
Luke Jarvis	5.06%
Argonaut Investments Pty Ltd and Argonaut Partners Pty Limited	4.43%
Gordon Stein	0.77%
Steve Kesler	0.44%
Jonathan Morley-Kirk	0.43%

*The Regal Funds are two separate funds, each of which are managed by the same investment manager, being Regal Funds Management Pty Limited (ACN 107 576 821).





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