



**GREEN**  
LITHIUM

Building the UK's first lithium refinery

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## PROBLEM

Forecast global undersupply  
of lithium chemicals

## SOLUTION

Flexible merchant  
lithium refinery

## OPPORTUNITY

Targeting exceptional  
returns for investors

### **Risk warning:**

Returns are not guaranteed and may differ materially  
Your capital is at risk and you may lose some, or all, of the money you invest

# THE TROUBLE WITH LITHIUM CHEMICALS

“Lithium, the wonder metal at the heart of the global shift to electric cars, is in a full-blown crisis.

Demand has outstripped supply, pushing prices up almost 500% in a year and hindering the world’s most successful effort yet to halt global warming.”

The trouble with lithium: The electric car market is driving insatiable demand for lithium. But a supply crisis of the wonder metal could dent the world’s chances of meeting its climate goals.

BloombergNEF, The Trouble With Lithium  
25 May 2022

# THE PROBLEM

Current **lithium refining is dominated by China** – Europe is wholly dependent

Existing producers are **large emitters of CO<sub>2</sub> and environmentally unfriendly**

This is all set against a macro-economic backdrop of **ever-increasing chemical demand**

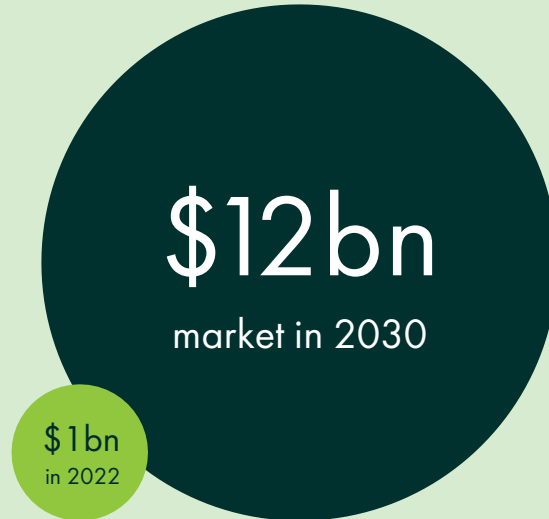
# FUTURE EUROPEAN SUPPLY CHAIN

Automotive



Internal combustion engine  
**UK & EU ban**  
in 2035

Lithium Chemicals



Carmakers are driving demand by launching **400+ new EV models** between now and 2025

Home and industrial battery storage is driving further demand

By 2030, China's own lithium consumption will overtake its domestic supply – **Europe must build a local alternative**

# THE SOLUTION

A low-carbon merchant  
lithium refinery in Europe



# THE OPPORTUNITY

SUPPORT TAKING THE PROJECT TO 'FINAL INVESTMENT  
DECISION' ON CONSTRUCTION

We are raising up to £20m  
in total, and for every

**£10,000**

of investment – based on a  
£50m pre-money valuation –  
we are targeting a

**£200,000**

return at sale or IPO, which we  
expect to follow commissioning of  
Green Lithium's Teesside refinery



Targeted 20x return

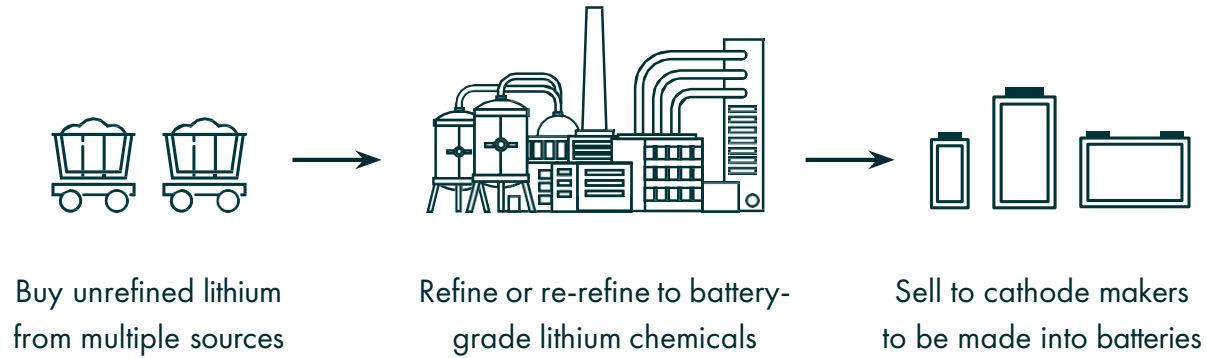


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# OUR PRIMARY BUSINESS MODEL



Our full-scale refinery will supply **50,000 tonnes** per year, **6% of the under-served European market**, and enough lithium to produce **1,000,000+ EVs** and provide Europe with critical security of supply

# OUR UNIQUE VALUE

## Merchant flexibility



Our refinery is not tied to a specific mine – it will unlock the bottleneck by **taking feed materials from across the world**, whilst ensuring end-product flexibility

## Low-carbon



We have a decarbonisation plan to produce lithium with **far lower CO<sub>2</sub> emissions** than current Chinese producers – independently assessed at 75% below the competition

## Sustainability-led



We will **unlock UK circular economy opportunities** in battery recycling and will sell our by-product for reuse in green construction materials manufacturing

## Proven team



Our **proven, delivery-focused team** of employees and external partners has a track record of successfully completing multi-billion-pound critical infrastructure projects

# EXECUTIVE, NEDs & SMES



**Sean Sargent**

Chief Executive Officer

Experienced programme director on multi-billion-pound, critical national infrastructure projects, formerly at Jacobs



**Jo Charles**

Chief Financial Officer

Ex-investment banker at Rothschild & Co with extensive fundraising experience, a qualified chartered accountant



**Cameron Tonkin**

Chief Operating Officer

Accomplished leader on major infrastructure programmes, with multiple sector director roles at Costain Group



**Greg Bogie**

Commercial Director

Extensive experience as key interface between large-scale, complex engineering projects and their enterprise partners



**Dominic Kieran**

Chair of the Board

Senior executive with chemicals processing and complex projects background, current Babcock Nuclear CEO



**Sandra Rosignoli**

Commodities & Trading SME

Experienced GC with vast M&A, commodities, energy and derivatives experience, currently at Clarkson's Platou GC



**Guy Hatcher**

Head of Business Development  
*Founder*

Exploration geologist with lithium prospecting experience, sits as a member of the BSI's Committee for Lithium



**Richard Taylor**

Head of Communications  
*Founder*

Vision behind Green Lithium project, with wide-ranging energy and natural resources sector knowledge



**Georgina Searle**

Head of People & Talent

Diverse experience delivering human capital solutions for large, complex organisations, such as LafargeHolcim



**Aimee Hill**

Head of Supply Chain

Commercial supply chain expert, with automotive and battery experience, including recent role at Johnson Matthey



**Matt Fryer**

Head of Project Controls & Services

Project controls leader on major infrastructure projects such as Sizewell C, Clyde Ports and Wylfa Newydd



**Alex Cheeseman**

Non-Executive Director

Lithium market expert with vast experience negotiating high-value lithium ore contracts, Critical Resources MD



**Ken Owen**

Industrial Contracts & Alliances SME

Ex-commercial director in energy, automotive and infrastructure sectors on some of the world's most high-profile programmes

# KEY CORPORATE & PROJECT DELIVERY PARTNERS



Infrastructure  
Programme  
Delivery  
Track Record

Commercial  
Contracting  
Strategy  
Leadership

Battery Metals  
& Commodities  
Supply Chain  
Expertise

Proven  
Technical  
& Financial  
Management



Commodities & Supply  
Chain Trading Partner



Lead Financial  
Adviser



Real Estate &  
Port Handling



Principal  
Owner's Engineer



Hydrometallurgy  
Process Engineer



Next-Generation  
EPC Contractor

# YOUR CAPITAL IS AT RISK

contact:

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Green Lithium Refining Limited

Our vision

“Accelerate the adoption of electric vehicles and sustainable energy storage  
by increasing the supply of low-carbon lithium chemicals”

