

Low-carbon lithium refinery developer

PROBLEM

Forecast global undersupply of lithium chemicals

SOLUTION

Rapid low-carbon lithium refinery deployment

OPPORTUNITY

Exceptional investor returns, support in preparing to build



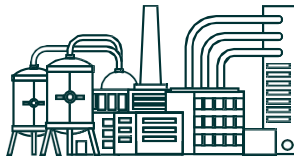
Teesside benefits

- Deep water access
- Access to clean hydrogen gas
- Abundant offshore wind
- Highly trained local workforce
- Strong local government support

OUR PRIMARY BUSINESS MODEL



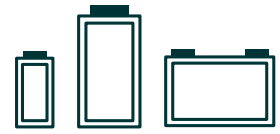
Buy unrefined lithium from multiple sources



Refine or re-refine to battery-grade lithium chemicals

1st
Scale-Up Plant
1,250tpa

2nd
Full-Scale Plant
50,000tpa+



Sell to cathode makers to be made into batteries

Our first refinery will act as a gateway to larger deployment – our second refinery will supply **50,000 tonnes** per year, **6% of the under-served European market**, enough lithium for **1 million EVs**

FAST INTERMEDIATE-SCALE DEPLOYMENT



Unlocking the bottleneck by taking feed materials from across the world, whilst ensuring input/output flexibility

LOW-CARBON, SUSTAINABLE FLOWSHEET



Transforming CO₂-intensive processing with market-leading ESG credentials and deploying circular economy IP

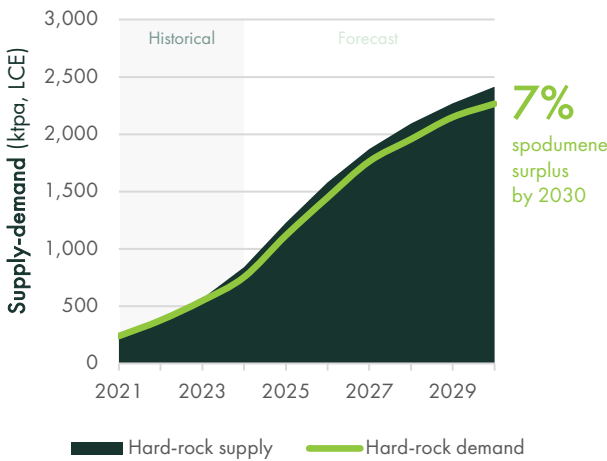
PROVEN DELIVERY-FOCUSED TEAM



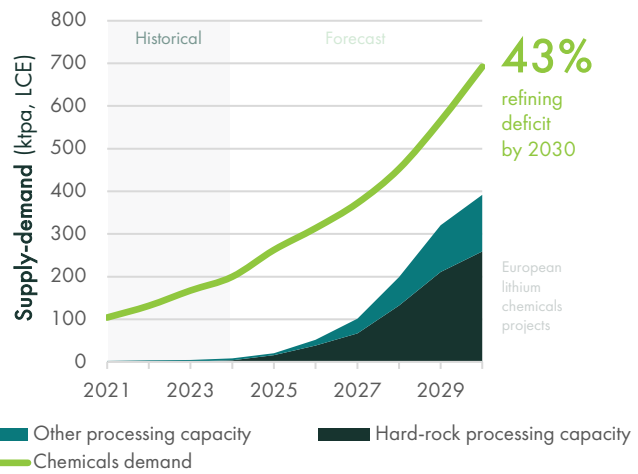
Proven, delivery-focused team of employees and external partners has a track record of infrastructure delivery

BOTTLENECK IN REFINING CREATES LARGE OPPORTUNITY

Global hard-rock lithium ore curve



European lithium chemicals curve



Green Lithium is aiming to set a new bar for environmental standards, with targets of:



75% reduction in carbon footprint vs. international refineries



Near carbon neutral on Scope 1 and Scope 2 emissions by 2035



No wider environmental impact from non-acid leach process



Use of renewable electricity, hydrogen gas and carbon capture

OUR COMPANY VALUES



SUSTAINABLE

Purpose led to leave our planet in a better place



RESPONSIBLE

Collaborative, transparent approach – including partners – showing trust, respect and care to optimise the value of our diversity to deliver together



AGILE

A culture of safety, quality and wellbeing, consistently doing what we say we are going to do



ONE TEAM

Leading the energy transition by being informed and responding to our environment



EXCELLENCE

Continuous improvement to deliver enhanced outcomes for our customers

