



Building A Vertically Integrated Lithium Battery Materials Leader

CAN WE MEET TOMORROW'S LITHIUM DEMAND?

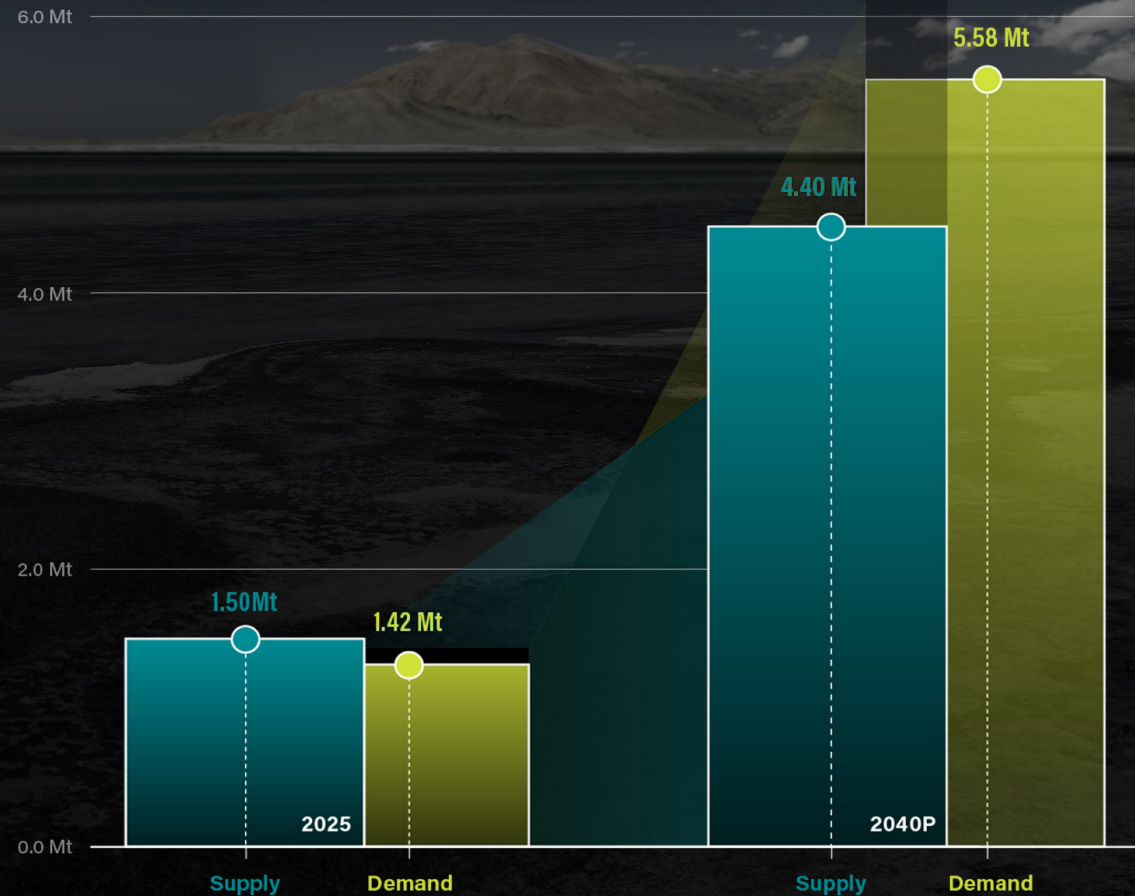


The full additional supply we will need to meet lithium demand is currently **46%** higher than we could supply.

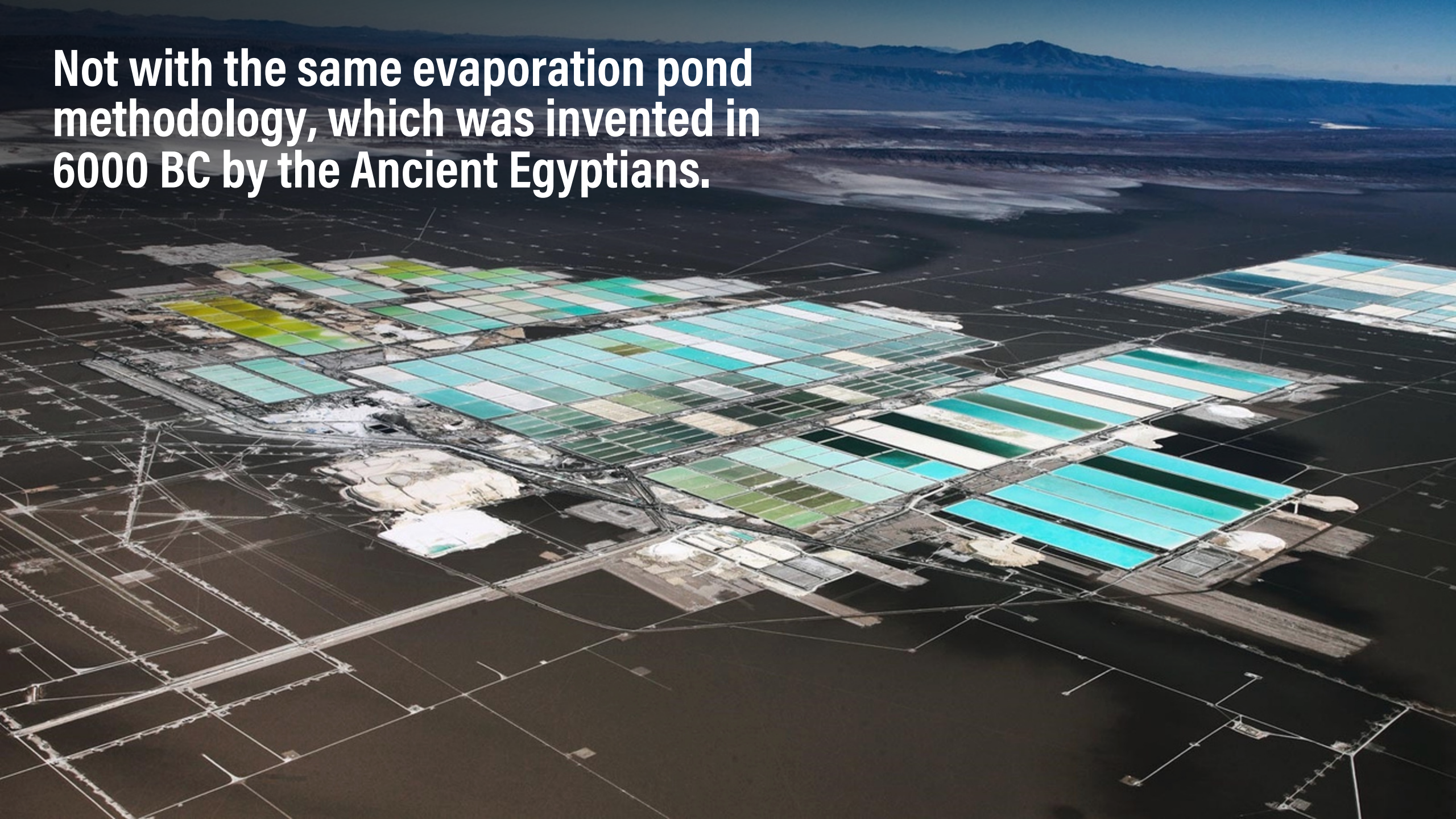


3.06 million tons of lithium carbonate weighs the same as over **1.4 million EVs**.

Source: McKinsey & Company



Not with the same evaporation pond methodology, which was invented in 6000 BC by the Ancient Egyptians.



EnergyX invented Direct Lithium Extraction (DLE) technology, which eliminates ponds and produces the battery material in a chemical refinery.



LiTAS™ - KEY PERFORMANCE METRICS

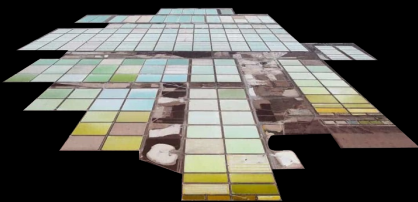
CONVENTIONAL PONDS

18 Months

TIME COMPARISON

Few days

LITAS™ DIRECT EXTRACTION



30%

RECOVERY RATE COMPARISON

94%+

9600 acres

FOOTPRINT

89 acres

Low

CONTROLLED SEPARATION

High

~\$4,200

OPEX COST COMPARISON

~\$3,100



Chile Demonstration Test Bed: *"The Oasis"*

EnergyX has constructed this market demonstration plants in both the United States and Chile to showcase the LiTAS® DLE process and produce 50-100 tons of LCE per year.



Vertical Integration Through Resource Ownership

Black Giant Camp “*Casa del Gigante*” located on 100,000 acres of lithium mining tenements near Salar de Punta Negra



Vertically Integrated Security of Supply Chain



EnergyX Project Cost Benchmarking

Lithium¹
Americas

²
CODELCO

³
KOCH

RioTinto⁴

ENERGYX⁵

ENERGYX⁵

Location	Thacker Pass (NV)	Maricunga, Chile	Magnolia (SWA)	Rincon, Argentina	Texas	Chile
Resource	Clay	Salar Brine	Smackover Brine	Salar Brine	Smackover Brine	Salar Brine
Capacity (tpa)	40,000 (Phase I)	20,000	26,400	60,000	50,000	52,500
CapEx	\$2.9 Bn	\$1.2 Bn	\$1.3 Bn	>\$2.5Bn	~\$1.425 Bn	~\$0.725 Bn
CapEx \$ / tpa	\$72,500 / tpa	\$60,000 / tpa	\$48,275 / tpa	>\$41,666	~\$28,500 / tpa	\$13,818 / tpa
OpEx \$ / tonne	\$6,238 / tonne	\$3,718 / tonne	\$4,631 / tonne	-	~\$3,750 / tonne	\$3,115 / tonne

EnergyX projects benefit from one of the
**lowest quartile CapEx and OpEx
positions** amongst global lithium projects

1. National Instrument 43-101 Technical Report for the Thacker Pass Project

2. Goldman Sachs Equity Research

3. PFS & NI 43-101 Technical Report Southwest Arkansas Project Pre-Feasibility Study (updated with verbal guidance)

4. Rio Tinto announce by CEO on December 12, 2024

5. EnergyX Internal Indicative Estimates (Worley Black Giant PFS completed in Q1 2025)

THANK YOU!

ENERGYX

For questions, contact: Teague@EnergyX.com

Energy Exploration Technologies has a mission to become a worldwide leader in the global transition to sustainable energy.

