

Sep 2025

Ion-exchange DLE

A reality in Latin America and around the world

Felipe de Mussy, President South America

ULLEN

Lithium extraction technology for any brine, anywhere

2016

Founded

33+

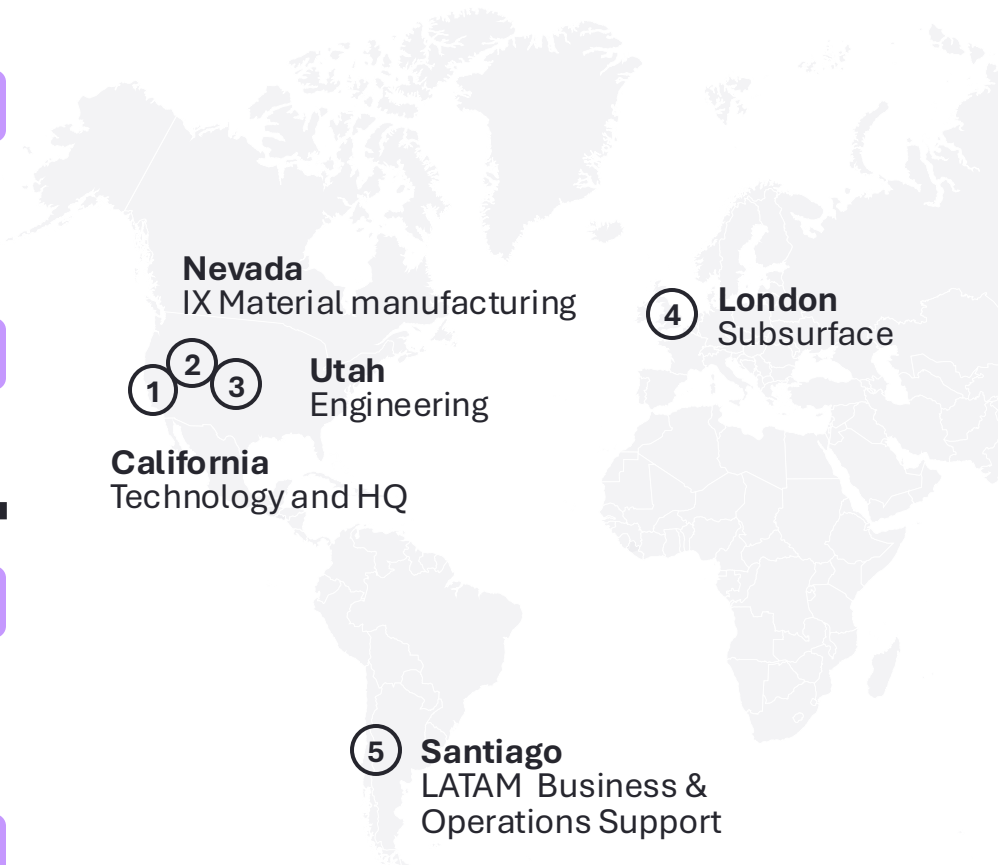
Granted patents

\$315M+

Capital raised

2027

Commercial volumes

- 
- ① Nevada
IX Material manufacturing
- ② Utah
Engineering
- ③ California
Technology and HQ
- ④ London
Subsurface
- ⑤ Santiago
LATAM Business & Operations Support

Technology That Actually Works

Access

Attractive economics across salar, reservoir, produced water, and geothermal brines.

Lower Impact

Sharply reduces land and freshwater needs.

Supply Chain Security

US design & manufacturing lessens market interference risks.

Ready for Scale

Extensively field tested at pilot & demo scales across North and South America.

Investors Focused on Scale

LOWERCARBON.
CAPITAL



Last Year...

Upcoming Demonstration Plant

Jujuy, Argentina

300

ppm Li

90%

Recovery



THERE'S ONLY ONE WAY TO CUT THROUGH THE NOISE

PROVE IT

**WE
PROVED IT**

● JUJUY, ARGENTINA

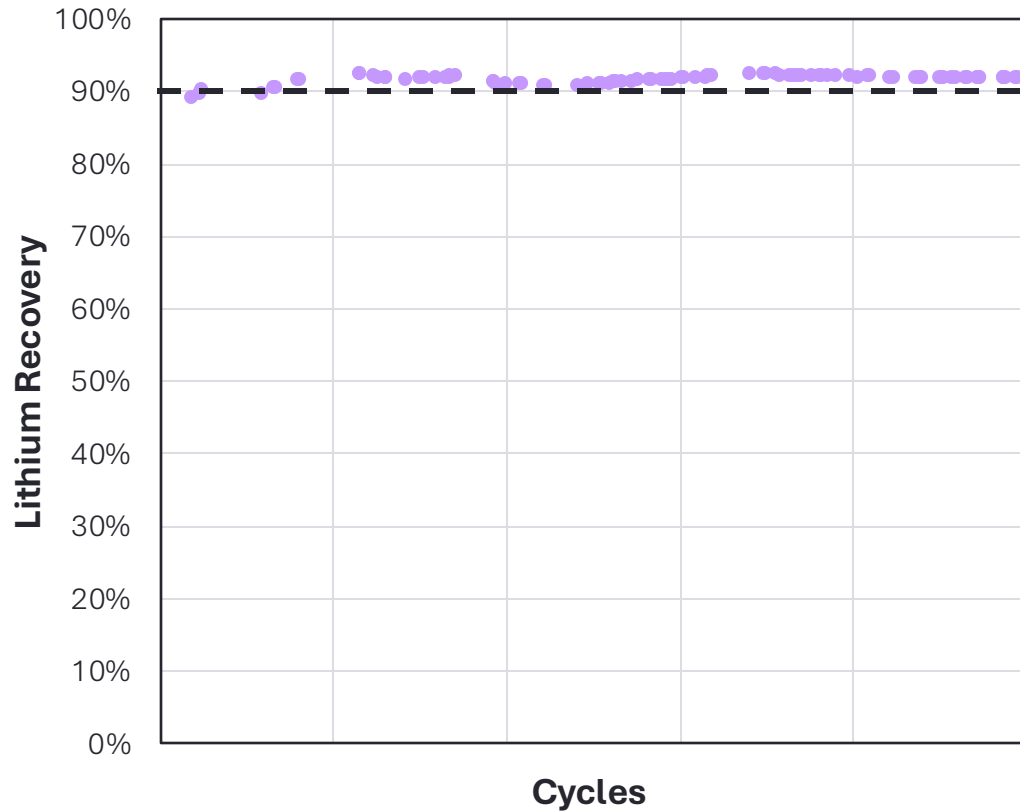
Demonstration Plant

SUCCESSFULLY

LILAC

Performance Demonstrates Successful Scale-Up

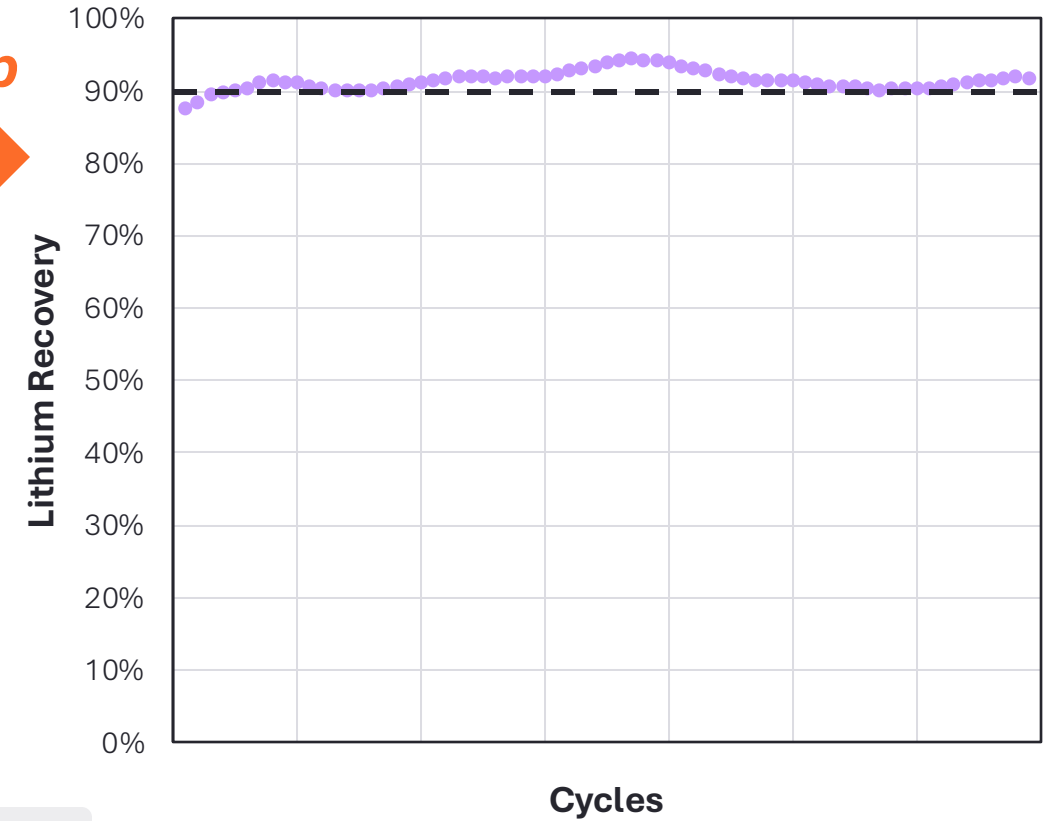
Mini-Pilot



10⁴
scale-up



Demo Plant



--- Commercial design basis

● JUJUY, ARGENTINA

Demonstration Plant

Proof point for latest automation and reactor design on large format field demonstration

Average lithium grade

299 mg/L

Water Consumption

18 t_{water}/t_{LCE}

Economic lithium recovery

91%

Impurity Rejection

99.4%

Brine Temperature

8° Celsius

High Altitude Challenging Environment

Altitude

4,100 m.a.s.l

Temperature

-20° Celsius

Wind speeds

100+ km/h

Cost Competitive Performance

CAPEX

\$0.7-1.1_b

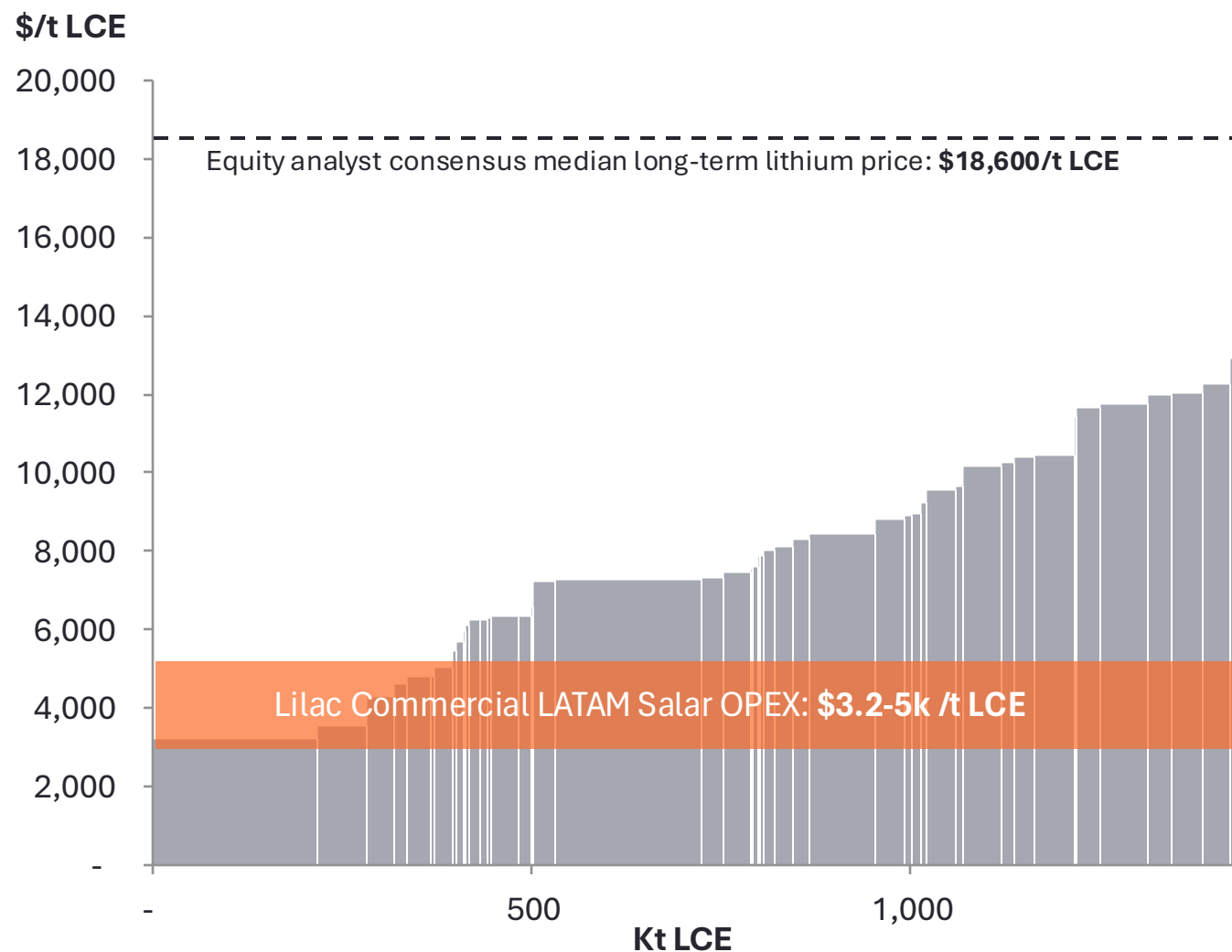
OPEX

\$3.2-5_{k/t LCE}

All-in brine project costs for 25,000 t/a LCE facility including:

- Wellfield
- Pre-treatment
- Lilac IX
- Balance of Plant (Carbonate Plant)
- Infrastructure (power, camp, lab, admin.)

Global Marginal Cost Curve (C1)



But last year we also said...

Upcoming Pilot Plant

Utah

70

ppm Li

84%

Recovery



**WE
DID IT**

● UTAH, USA

Field Pilot

Major proof point for commercial permits, financing, and offtake

Average lithium grade

65 mg/L

Magnesium to lithium ratio

150:1

Economic lithium recovery

90%

First lithium carbonate

2027





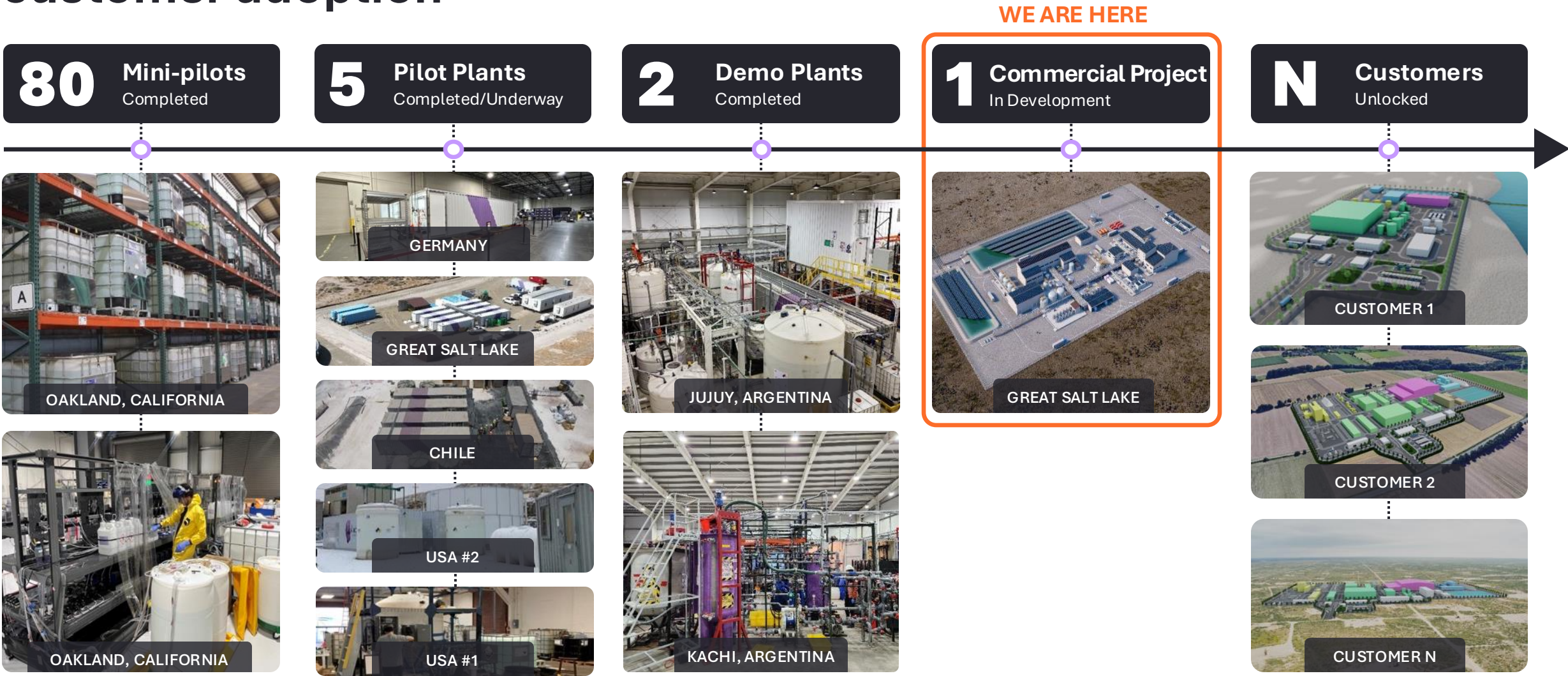
**Delithiated
Brine Return**

7

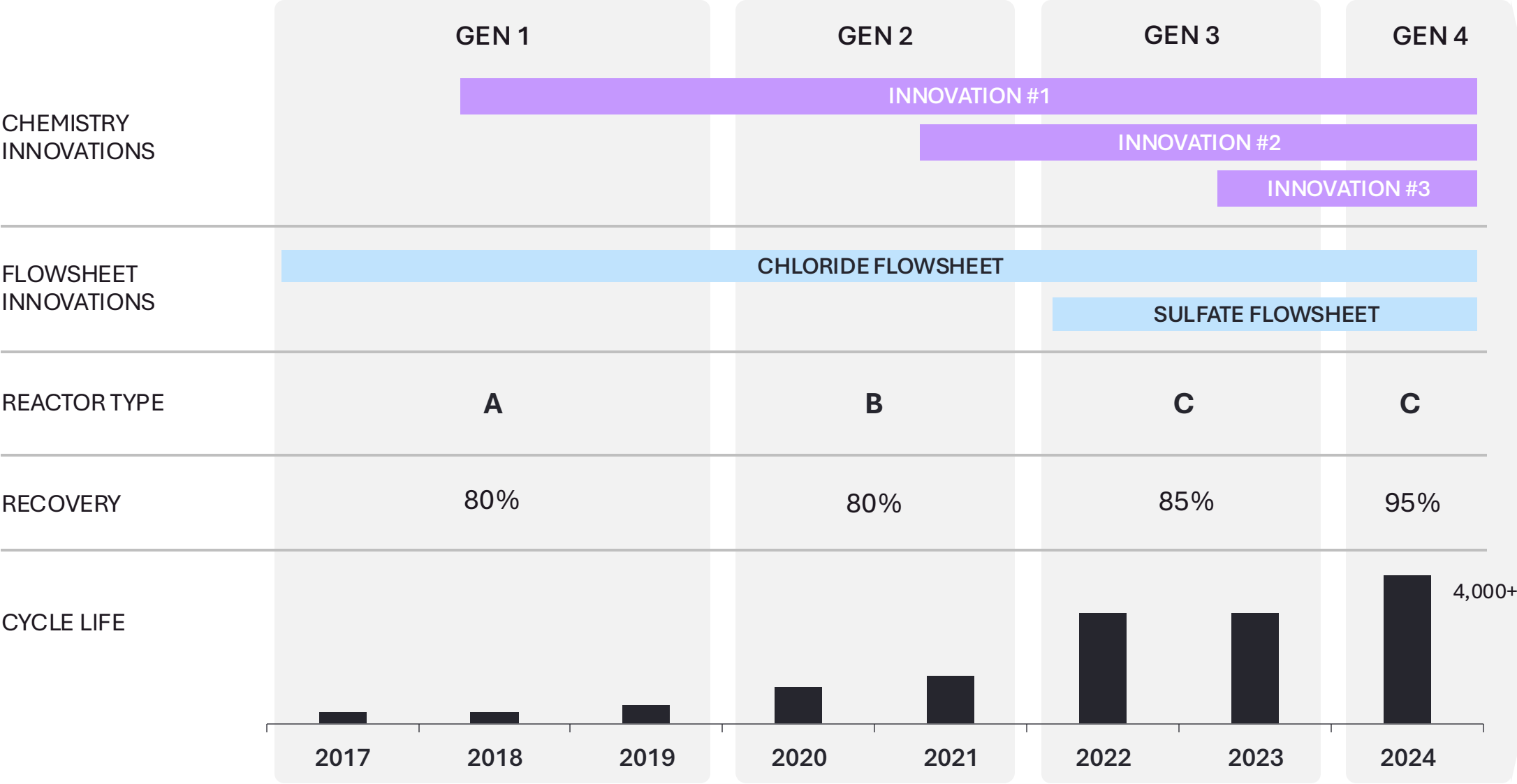
OUTFALL BRINE

4620-TK-003

Lilac's own Great Salt Lake project designed to accelerate customer adoption



Lilac IX Performance and Cost is Continuously Improving

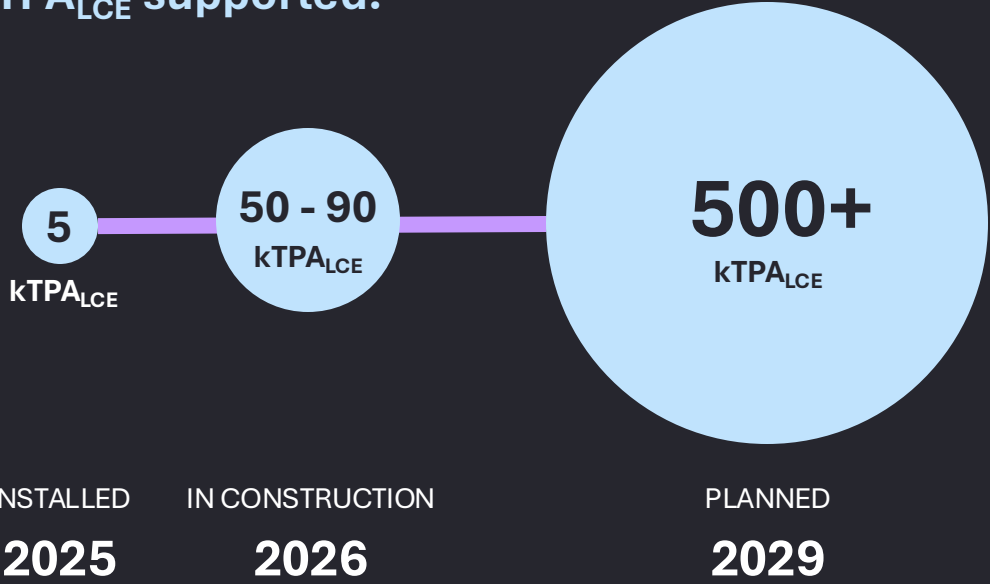


Lilac IXM Manufacturing

Manufacturing in Nevada, USA

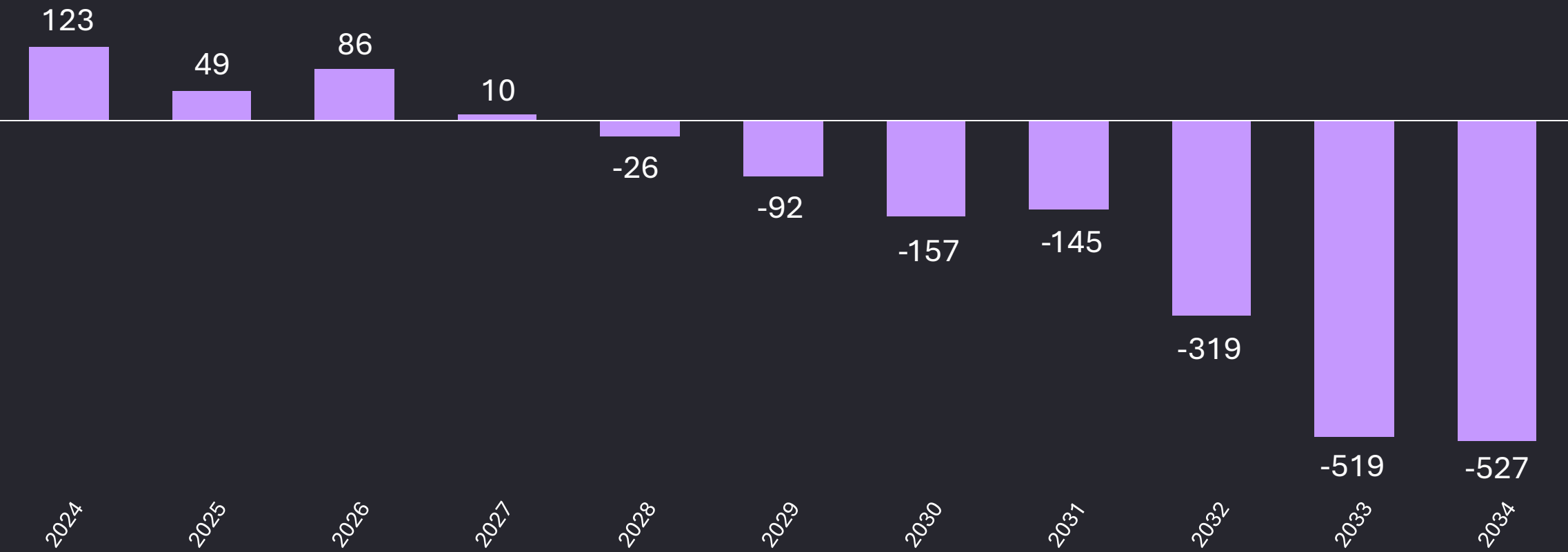
- Tight quality control
- Secure (US-based) supply chain
- Continuous optimization

TPA_{LCE} supported:



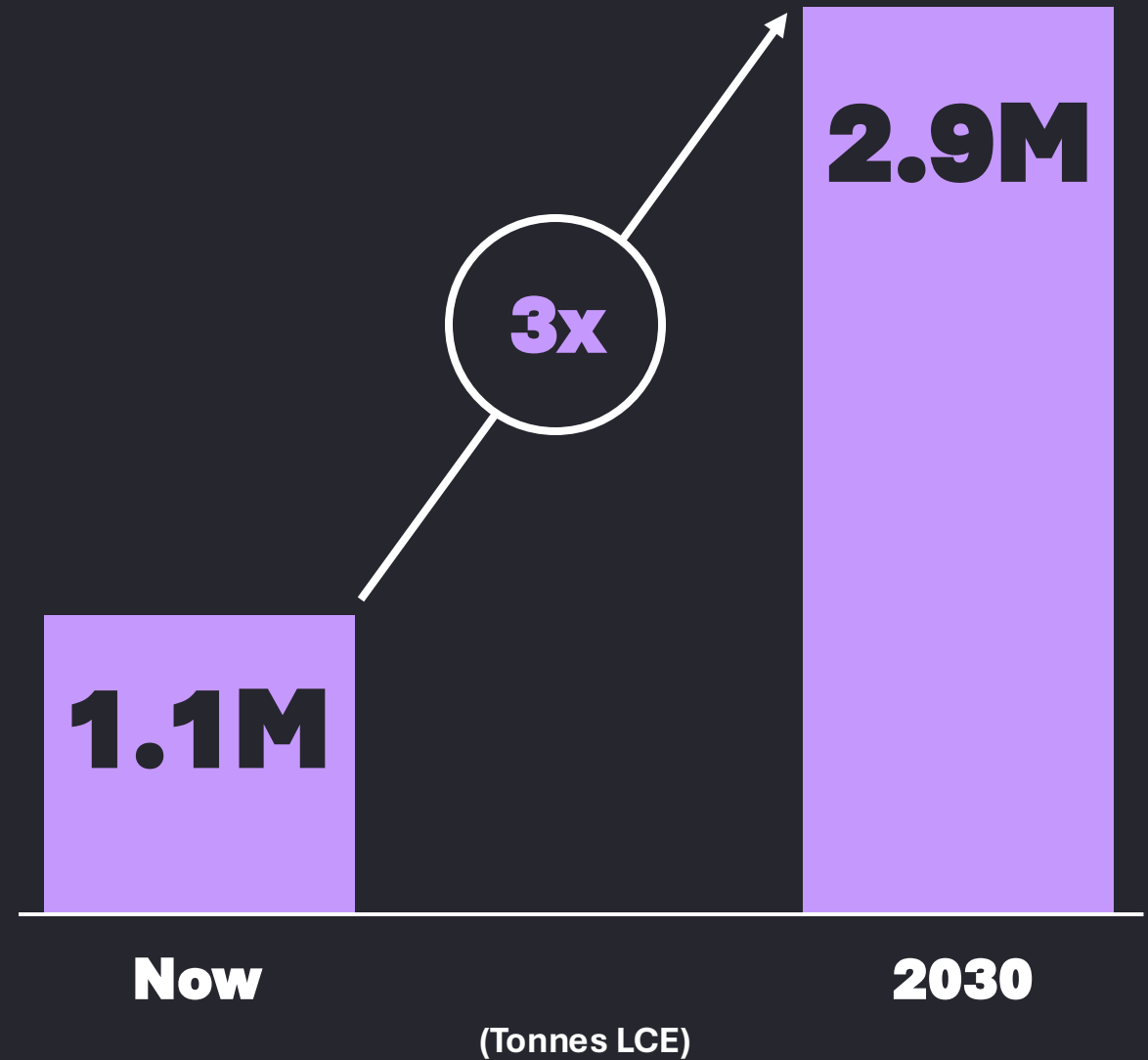
What's next?

Lithium Supply - Demand Balance

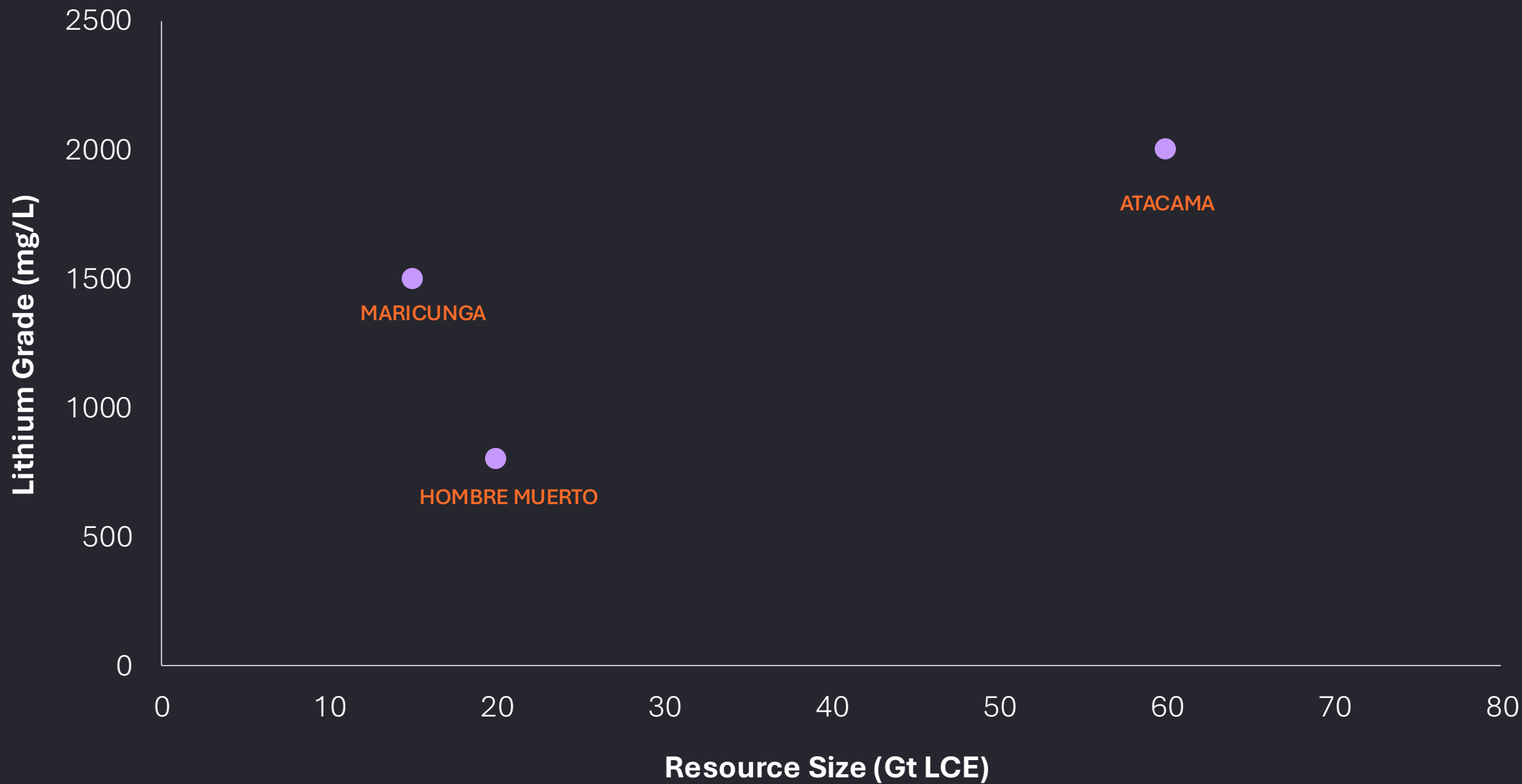


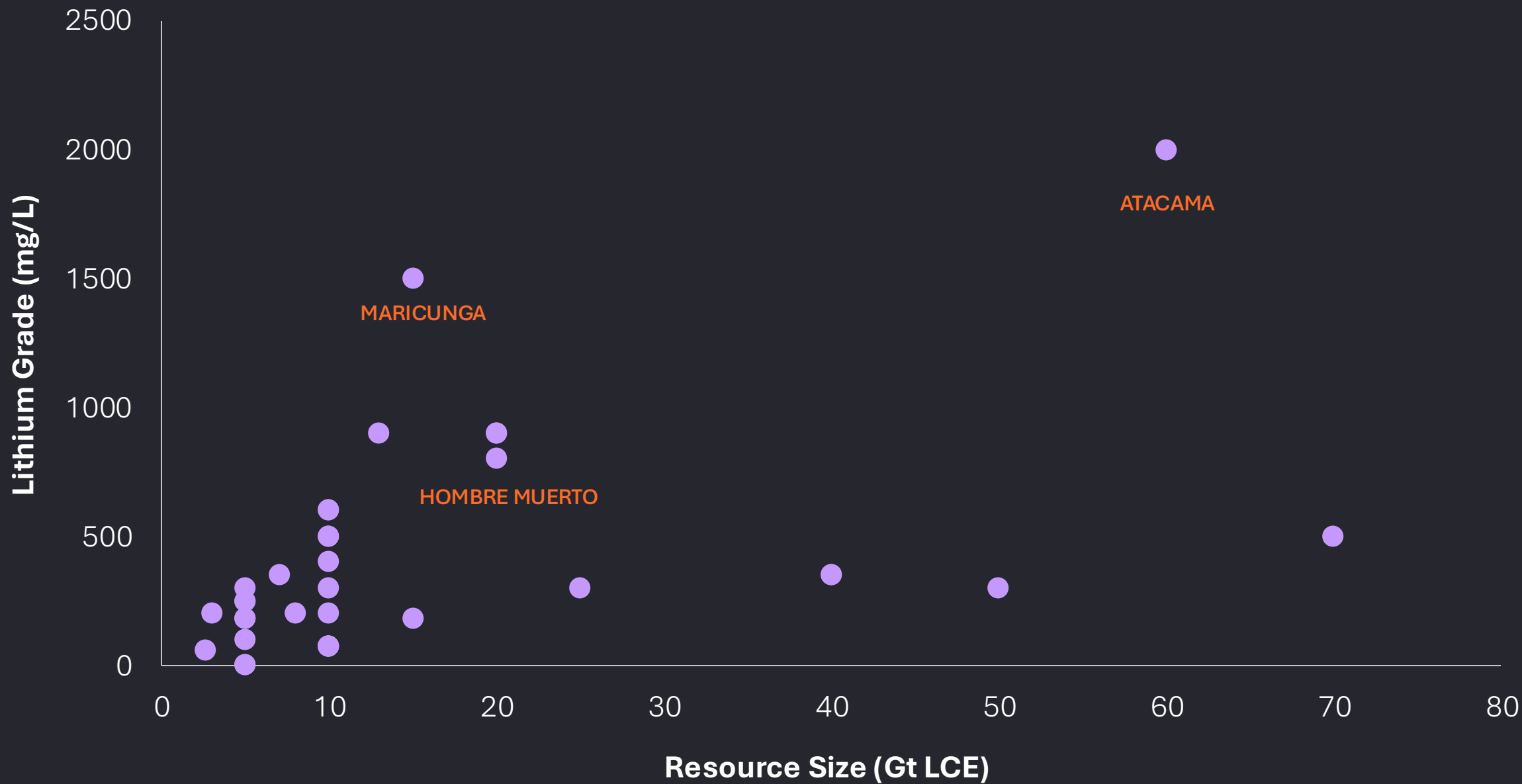
'000 tonnes LCE

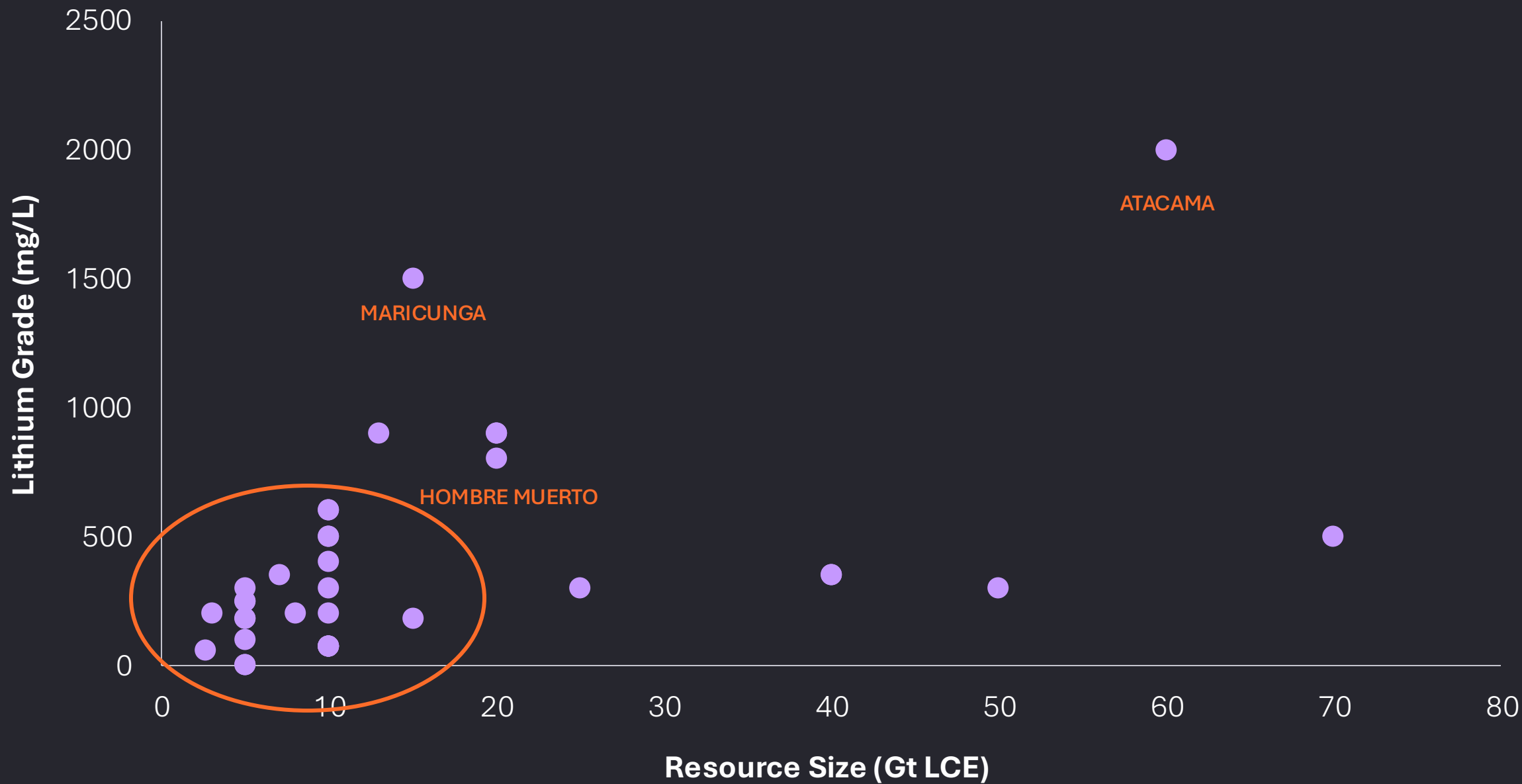
Globally, lithium demand is rapidly increasing



But it's unclear where the lithium will
come from...







We need to move full speed ahead
to be part of the solution.

The time to act is now.

Sep 2025

Ion-exchange DLE

A reality in Latin America and around the world

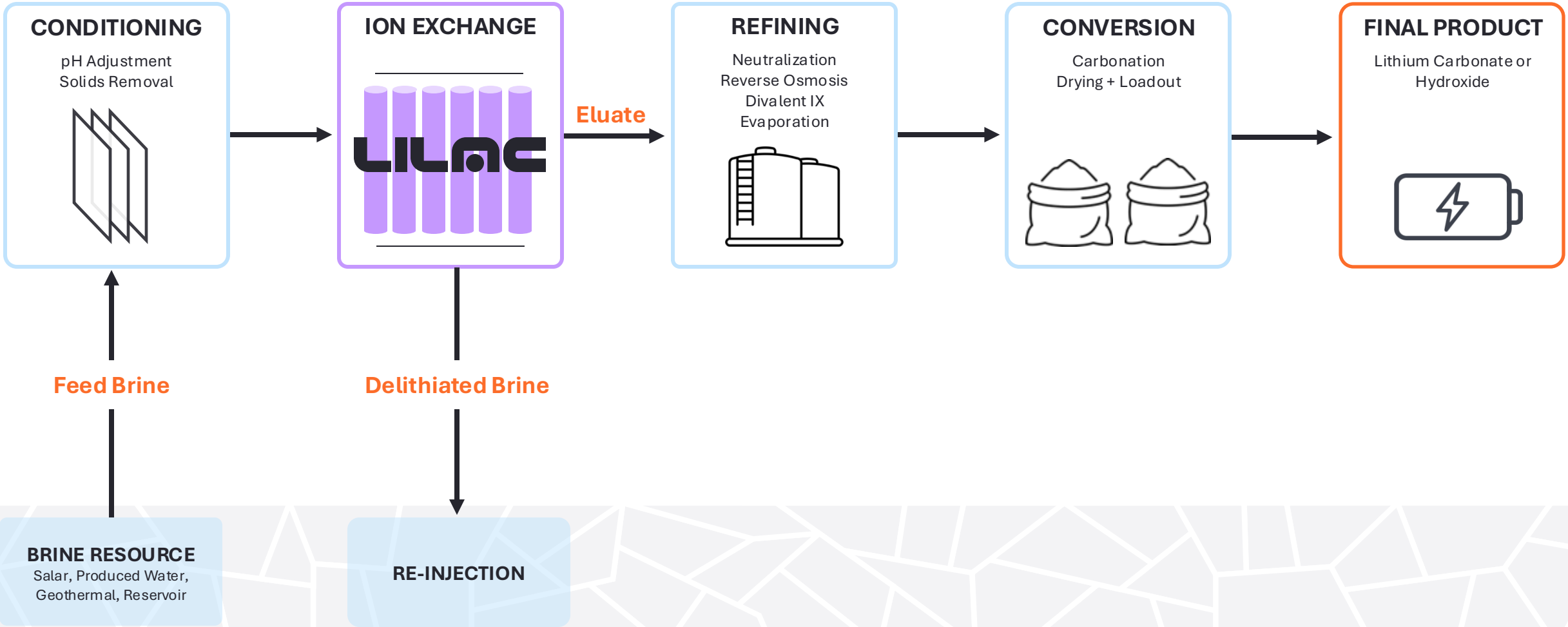
Felipe de Mussy, President South America

felipe.demussy@lilacsolutions.com / +56(9)7389 4529

LILAC

Appendix

Faster, cheaper, and cleaner lithium production



Product Purity

	Li	Na	Mg	Ca	K	B
Brine Concentration (mg/L)	299	63,980	1,443	829	4,644	476
Eluate Concentration (mg/L)	2,271	547	201	476	110	BDL*

* Below Detection Limit

