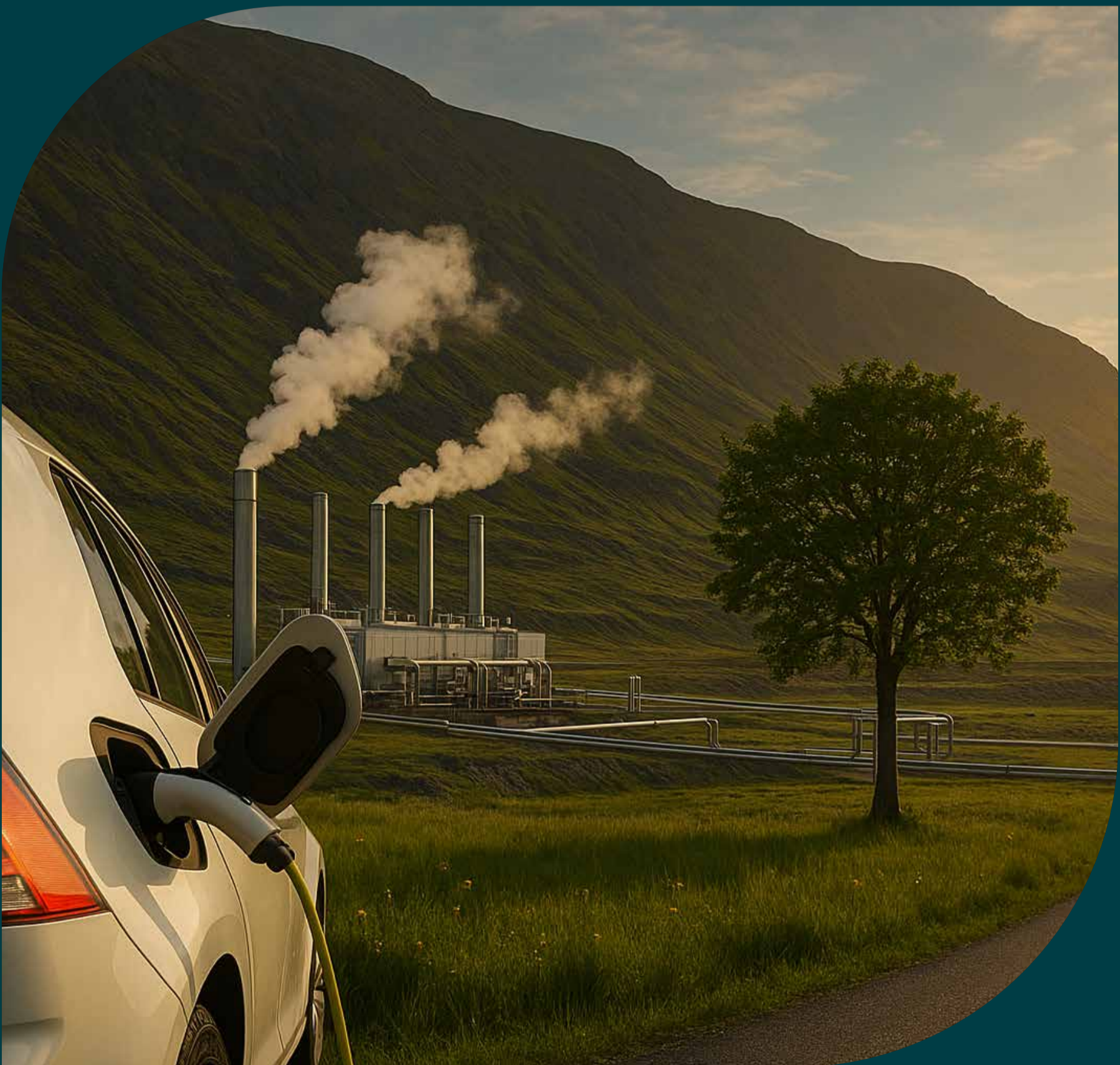


# Geothermal lithium extraction



# Dual revenue powerhouse

You're sitting on a second revenue stream - and it's flowing right under your feet.

Your geothermal plant already delivers clean, reliable energy. But your brine can do more.

With Lithium Harvest, you can extract lithium and other valuable minerals from geothermal brine - without interrupting energy production. Our closed-loop system works alongside your existing setup, with minimal disruption and maximum return.

You'll get:

- A seamless, scalable way to produce battery-grade lithium
- Full ESG and regulatory alignment
- A cost-effective path to dual income from the same resource

As lithium demand grows fast, this is your moment to lead. Turn your geothermal site into a dual-revenue powerhouse - and secure your place in the future of energy.



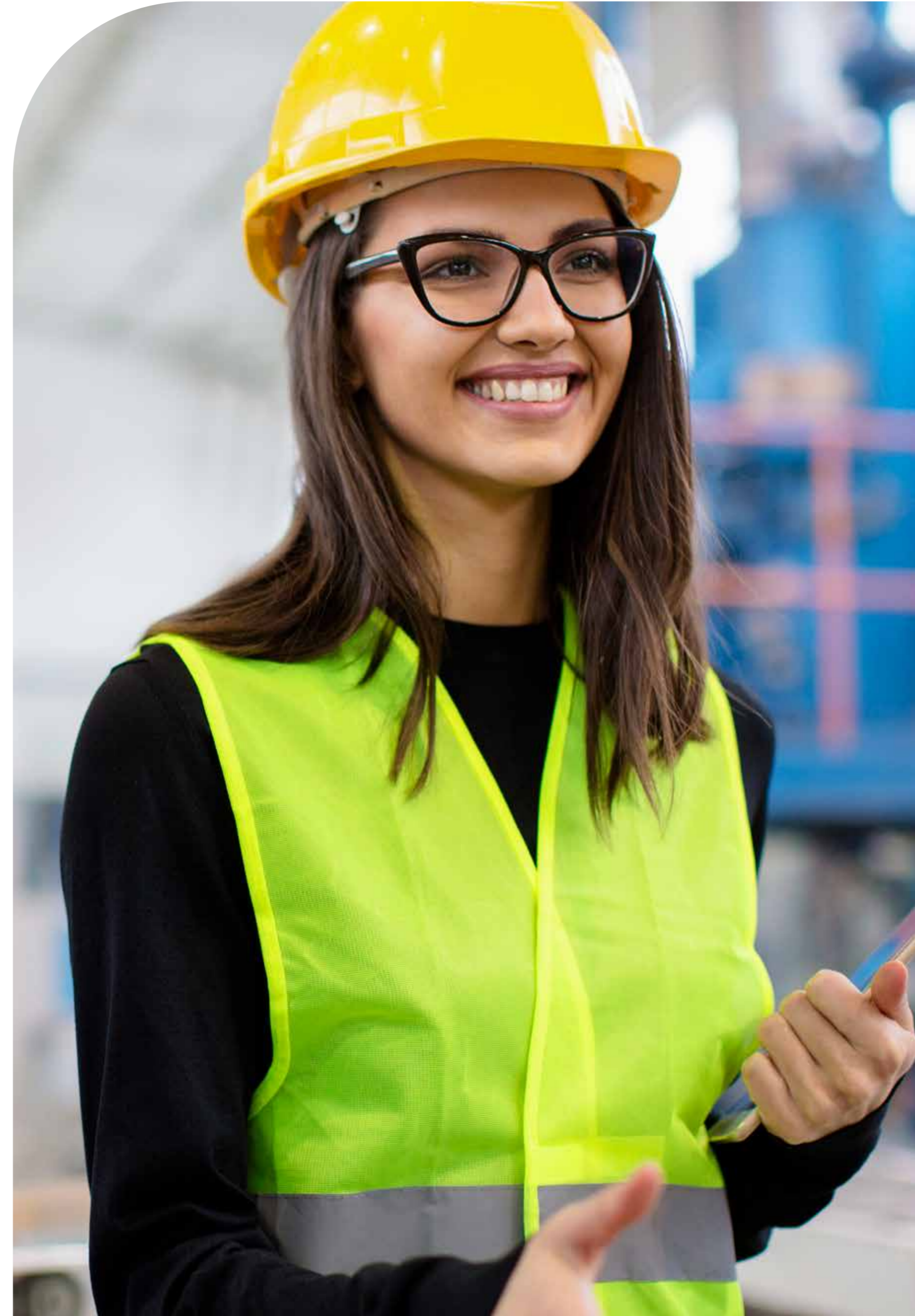
**Dual revenue stream:** Combine geothermal energy production with high-purity lithium recovery for maximum profitability



**Sustainability advantage:** Our closed-loop process ensures minimal environmental impact, meeting ESG and regulatory demands



**Effortless integration:** Our DBOO model ensures a hassle-free setup with minimal operational disruption



We operate,  
you profit



Lithium  
Harvest

# From heat to value



## Low Risk, High Reward

Turn geothermal brine into battery-grade lithium with no added infrastructure or downtime. We run the system - you stay focused on energy production.

It's a low-risk way to unlock high-margin revenue from a resource you're already managing - all while boosting your ESG profile and long-term competitiveness.

- **Turnkey, end-to-end solutions:** Our Design-Build-Own-Operate (DBOO) model covers everything from design to daily operations. You get fast deployment, minimal disruption, and immediate revenue.
- **Strategic co-location:** Compact and modular, our 3,200 m<sup>3</sup>/day units fit in just 1.4 acres alongside your geothermal plant. Smart control valves ensure continuous energy flow - even during maintenance. Fast deployment in only 12-18 months.
- **Future-ready tech:** Engineered for complex brines and high recovery rates, our energy-efficient, fully automated system unlocks long-term value while boosting ESG performance. Powered by proven, commercially validated technologies.



>95%

Lithium extracted



>90%

Water recycled



Neutral

CO<sub>2</sub> footprint

A smarter, low-carbon way to extract lithium from geothermal brines - built for profitability and sustainability.

Turn your geothermal plant into a hybrid revenue engine. With Lithium Harvest, you can keep producing clean energy while unlocking new income from lithium and other critical minerals - all from the same brine.

Our solution combines advanced water treatment with adsorption-based Direct Lithium Extraction (DLE) to pull high-purity lithium straight from geothermal brines. It's proven, low-impact, and designed to integrate with your existing operations.

What makes our approach different?

- **High lithium recovery rates:** Extract more lithium with maximum efficiency.
- **Adaptable to your brine chemistry:** Engineered to handle impurities and fluctuations.
- **Modular and scalable:** Built to grow with your plant's production volumes.

You stay focused on energy generation - we handle the lithium extraction. Together, we turn every drop of brine into greater value, stronger ESG performance, and a more resilient business model.

# Double the Sustainability

You're already champions of sustainability, driving the green energy transition with clean, renewable energy. But what if you could amplify that impact? At Lithium Harvest, we transform geothermal brine into a valuable resource, boosting both environmental preservation and economic growth.

By integrating our geothermal brine lithium extraction solution into your operations, you can unlock extraordinary environmental savings for the lithium extraction market:

- Up to 15 million kg of CO<sub>2</sub> emissions avoided per 1,000 metric tons of lithium carbonate produced - equal to taking more than 3,200 cars off the road each year.
- Up to 500 million gallons of water saved per 1,000 metric tons of lithium carbonate - enough to supply 4,500 households annually.
- A 47% reduction in battery life cycle emissions - significantly lowering the carbon footprint of EVs and energy storage systems.

This two-way sustainability means your operations don't just power the future of clean energy - they also help fuel the future of transportation and energy storage. Together, we can make a real difference for the planet and the communities we serve.



Up to 99%  
smaller footprint



>90%  
water recycled



Up to 96%  
lower water consumption



500,000  
gallons of freshwater saved



15,000 kg  
of CO<sub>2</sub> saved



Neutral  
CO<sub>2</sub> footprint



*The fight against climate change is one of the greatest global challenges of the 21st century. The acceleration of the green energy transition highlights the need for sustainable lithium extraction.*

Sune Mathiesen  
Chairman & CEO



# Why Lithium Harvest?

**Proven expertise, cutting-edge solutions, and unmatched market opportunities.**

Choosing the right partner for geothermal lithium extraction is critical to your success, and that's where Lithium Harvest stands apart.

We combine decades of experience with breakthrough solutions and deep market insight to deliver real, lasting value. Here's why we're the right choice:

 **Proven Expertise in Water Management**

 **Proven Technology You Can Trust**

 **Attractive Business Scenarios**

 **Capitalize on the Booming Lithium Market**

## Proven Expertise in Water Management

With over 20 years of experience in industrial water treatment and resource recovery, we're leaders in designing and engineering solutions for complex water systems. Our team understands the unique chemistry of geothermal brines and water management challenges, ensuring optimized operations and maximum resource recovery.

## Proven Technology You Can Trust

Our advanced Direct Lithium Extraction (DLE) technology - combined with industry-leading water treatment solutions - is commercially validated to deliver high lithium recovery rates and adapt to complex brine chemistries. By partnering with industry experts, we provide reliable, scalable, and sustainable solutions you can count on.

## Attractive Business Scenarios

We handle the complexities of lithium extraction so that you can stay focused on your core business. Through our Design-Build-Own-Operate (DBOO) approach, we offer customized business models that align with your operational goals, ensuring hassle-free integration and rapid ROI.

## Capitalize on the Booming Lithium Market

With lithium demand projected to grow significantly, partnering with Lithium Harvest positions you to tap into this rapidly expanding market. Together, we can help meet the surging demand for sustainable lithium while contributing to the global green energy transition.

# Turn Your Brine Into a Dual Revenue Stream



## Technology Benchmark



Lithium Harvest Solution



DLE from Brine



Solar Evaporation Brine Extraction



Hard Rock Mining

Feedstock	Geothermal brine	Continental brine	Continental brine	Rock / spodumene
Project implementation time	12-15 months	5-7 years	13-15 years	8-10 years
Lithium carbonate production time	2 hours	2 hours	2-3 years	3-6 months
Lithium yield	>95%	80-95%	20-40%	6-7%
Average footprint per 1,000 mt LCE	1.4 acres	1.4 acres	65 acres	115 acres
System design	Modular and mobile	Mobile / stationary	Stationary	Stationary
Environmental impact	Minimal	Minimal	Soil- and water contamination	Soil- and water contamination
Water consumption per 1,000 mt LCE	20 million gallons	80 million gallons	550 million gallons	250 million gallons
CO <sub>2</sub> footprint per 1,000 mt LCE	Neutral	1.5 million kg	5 million kg	15 million kg
Average invested capital per 1,000 mt LCE	\$18 million	\$45 million	\$50 million	\$60 million
Average cost per metric ton	\$4,550	\$5,700	\$5,800	\$6,900

Source: Columbia University, IEA, ICMM.

## Competitive Edge in a Booming Lithium Market

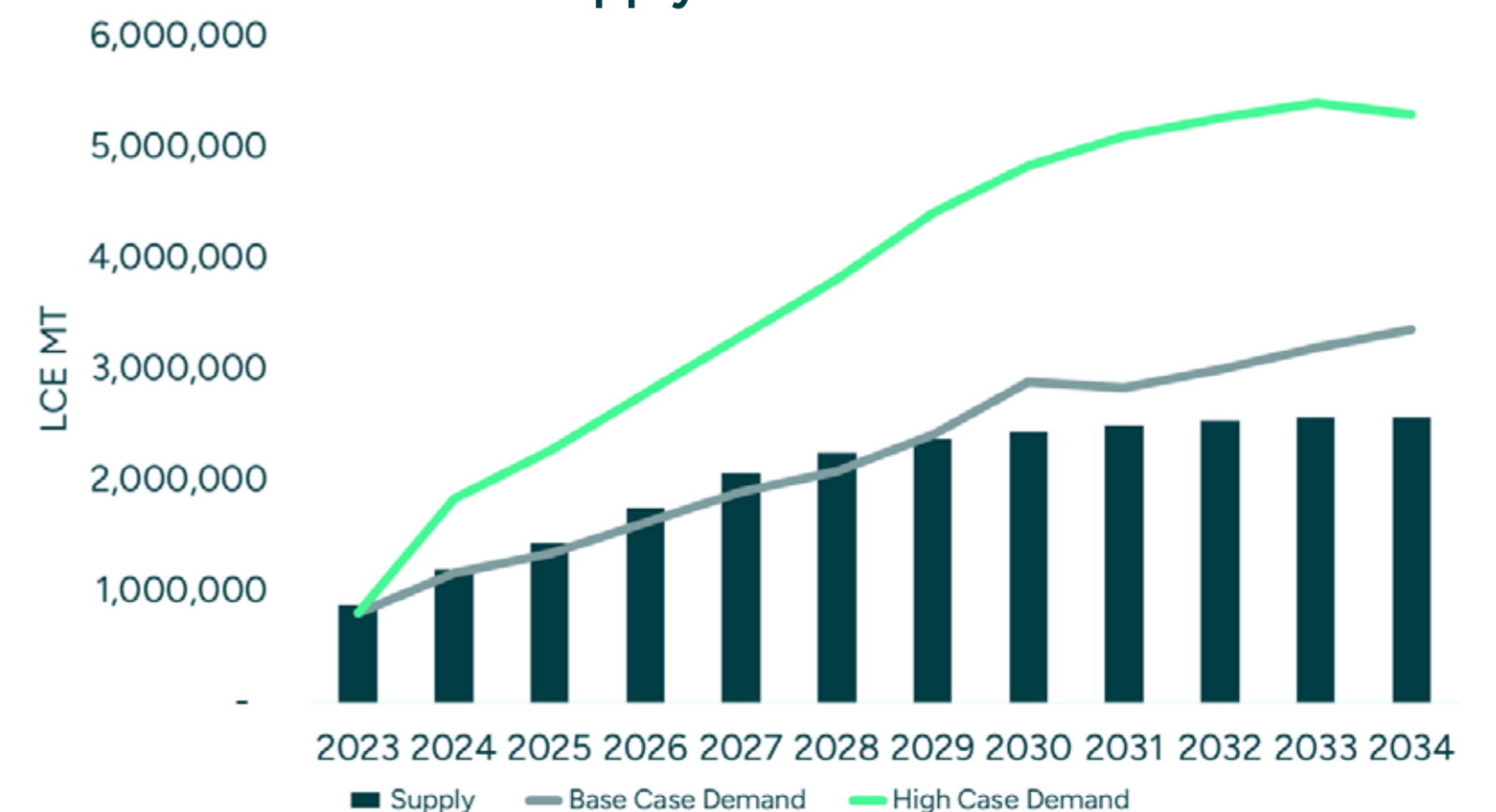
Lithium Harvest positions your geothermal operation ahead of the curve with:

- **Cost-efficiency:** Use existing infrastructure to transform geothermal brine into valuable lithium, cutting costs and minimizing investments.
- **Sustainability:** Our process reduces water usage and carbon emissions, making it one of the most sustainable lithium extraction methods available.
- **Speed to market:** Rapid production timelines enable new revenue streams in just 12-18 months.

### Lithium Market Growth:

Lithium demand is set to grow 3.5x by 2030 and 6.5x by 2034. A supply shortfall is expected by 2029 - partner with Lithium Harvest to seize the opportunity and lead the next wave of clean energy innovation.

## Lithium Supply-Demand Forecast



Source: Benchmark Minerals, July 2024.



# Profit-driven business scenarios

Unlock profitable opportunities with innovative collaboration models that boost your earnings, strengthen your ESG performance, and position you as a market leader - all through sustainable lithium extraction from geothermal brine.

## Joint Ventures for Shared Success

Co-develop a lithium extraction facility with Lithium Harvest and share in the profits while establishing your leadership in sustainable innovation.

## Royalty-Based Revenue Streams

Earn consistent royalties by licensing your geothermal water for lithium extraction, enhancing your ESG profile, and supporting resource sustainability.

### Benefits





## Transform your geothermal brines into dual revenue streams

- **Dual revenue streams:** Generate income from geothermal energy and critical mineral recovery.
- **Faster ROI:** Modular, scalable systems deliver rapid deployment and quicker returns.
- **Seamless integration:** Our advanced, customizable solutions fit effortlessly into your existing geothermal operations.
- **Hassle-free sustainability:** Enjoy low-carbon, sustainable lithium production that we handle for you - easy, right?

# Contact us



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