

EMPOWERING THE FUTURE WITH DOMESTIC RARE EARTHS

THE PROBLEM

Almost 90% of Rare Earth Refining Capacity is centralized in China, creating critical supply chain vulnerabilities.

Additionally, the gold-standard refining technology—solvent extraction—is highly polluting, costly, and inaccessible to most.



OUR SOLUTION

VALUE PROPOSITION

Alkemio enables sustainable, efficient, and decentralized Rare Earth refining directly at the source.

TECHNOLOGY

We use Molecular Recognition and highly Selective Ligands to separate Rare Earths with minimal waste and chemical use.

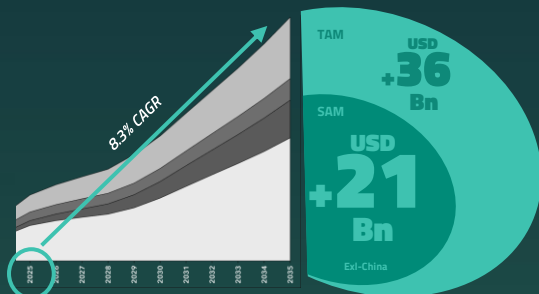
BUSINESS MODEL

On-site licensing for Big Miners, and Refining Hubs for Juniors, Recyclers, and Tailings.



MARKET OPPORTUNITY

The global Rare Earth market is projected to exceed USD 36B by 2035, driven by the energy transition and regulatory tailwinds.



OUR LEADERSHIP TEAM

CEO



Federico Pereyra Bonnet,
BSc PhD
PI + 2nd Time Founder
CASPR Biotech Founder (Exit)

CSO



Lorena Molina Calderón,
BSc PhD
+15 years in Rare Earth
Separation

CRO



Ailín Svagzdys,
BSc
Ex-Amazon, R&D Scientist
Molecular Recognition

CBO



Javier Pérez
Int. Rel
Mentor Singularity University
Inv. Strategic Natural Resources

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