

OSI Mining & Resources

Pioneering Mineral
Extraction &
E-Waste Recovery with LACE
Technology



The Problem

- The U.S. is 95% dependent on foreign sources, primarily China, for rare earth elements and critical minerals.
- Domestic processing infrastructure is either nonexistent or outdated.
- E-waste recovery remains underutilized, despite high metal concentrations.
- National security and clean energy supply chains are vulnerable.



Our Solution

- OSI delivers a domestic, scalable, and environmentally safe solution through:
- - Ligand-Assisted Capillary Electrophoretic Separation **LACE** technology
- Strategic partnerships with Idaho National Laboratory INL & **The University of Wyoming.**
- - Proprietary processing of ore & e-waste



Market Opportunity

- Global REE market: \$10.6B in 2023, projected to reach \$23.5B by 2030
- U.S. DoD, DOE, and private sector demand are rising rapidly
- E-waste market: Over \$57B recoverable material annually
- High-value resource recovery: Nd, Pr, Dy, Tb, Pt, Pd, Rh, Au



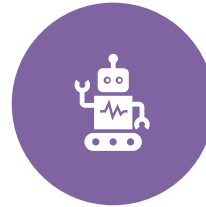
Our Technology – LACE



DEVELOPED IN
PARTNERSHIP WITH INL



RAPID, LOW-ENERGY, NON-
THERMAL METHOD FOR
REE SEPARATION



CAPABLE OF PROCESSING:



COAL-BASED MINERAL
FORMATIONS



E-WASTE LEACHATES



ORE CONCENTRATES FROM
PGMS/GOLD



HIGHLY SELECTIVE,
SCALABLE, AND
DEPLOYABLE IN REMOTE
OR MODULAR SYSTEMS

Competitive Advantage

Feature OSI Mining

Domestic Supply Chain



LACE Separation



Modular/Mobile Refining



Environmental Footprint

Low

Defense & Clean Energy Aligned



Traditional Miners



High



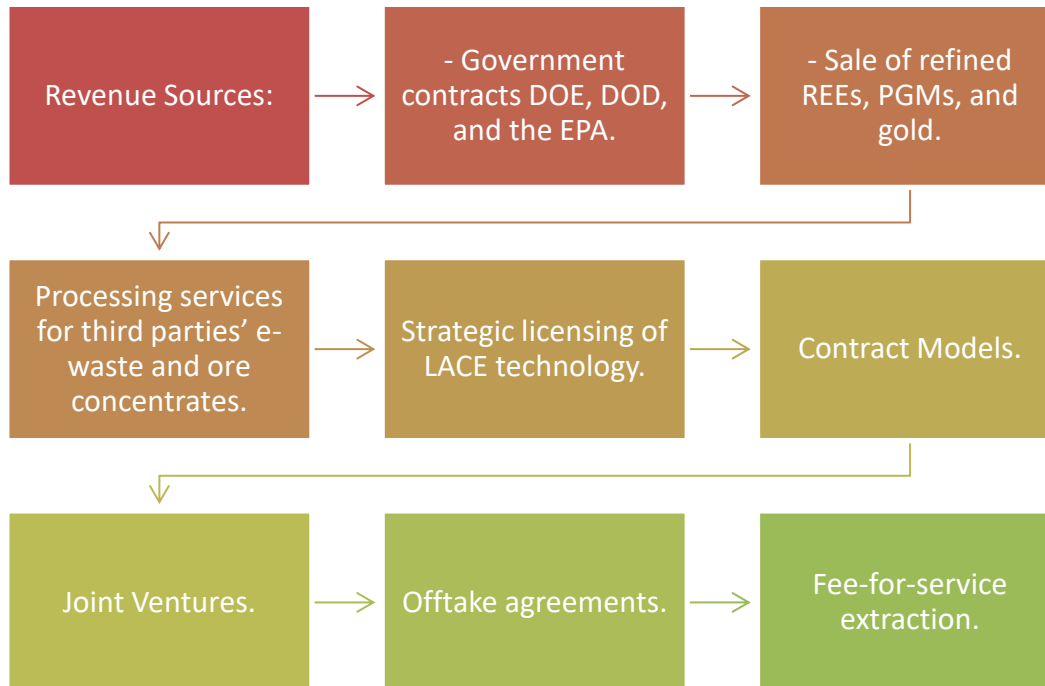
Foreign REE Suppliers



High



Business Model



Traction

INL Partnership
Secured LACE
deployment rights.

Building a larger
infrastructure in the
Arizona C&W Mine.

Purchase and build a
Surface Striping
System/Precious Metal
Recovery System.

LOIs signed with key
partners and mining
claim holders.

Ongoing collaboration
with the University of
Wyoming geochemical
labs.

Go-to-Market Strategy



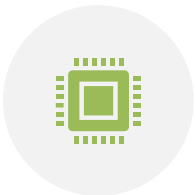
PHASE 1: COMPLETE THE PURCHASE AGREEMENT WITH THE MINE OWNER AND CONSTRUCT LARGER INFRASTRUCTURE ON THE SITE.



PHASE 2: DEPLOY SURFACE STRIPPING SYSTEM/PRECIOUS METAL RECOVERY SYSTEM.



PHASE 3: GOVERNMENT PARTNERSHIPS & CONTRACT PROCUREMENT DOD & DOE.



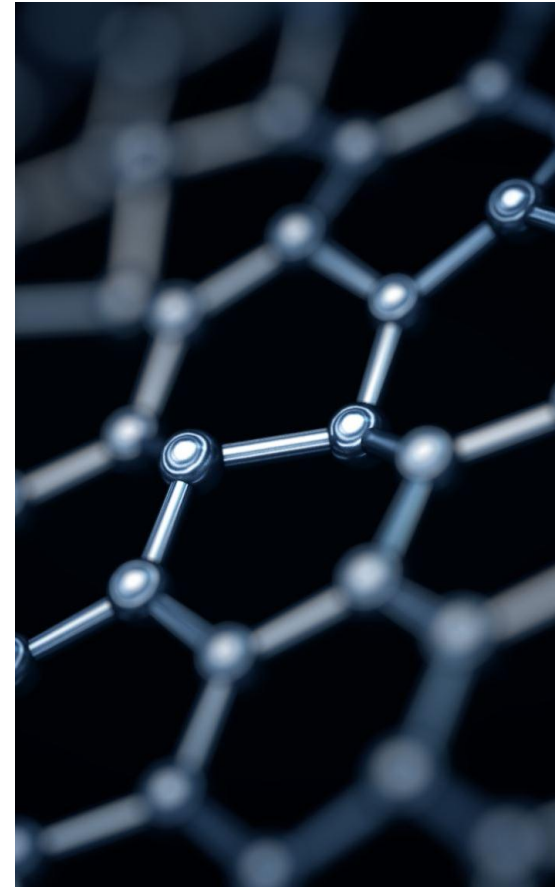
PHASE 4: SCALE OPERATIONS THROUGH LICENSING AND JOINT PROCESSING FACILITIES.



PHASE 5: SCALE OPERATION IN ROCK SPRINGS, WYOMING, FOR E-WASTE AND PUBLIC PROCESSING FACILITY.



PHASE 6: SCALE UP PRODUCTION IN ROCK SPRINGS, WYOMING, AND C&W. NOTE THAT THE INVESTOR'S FUNDS WILL NOT BE UTILIZED AT THIS STAGE.



Team

- **Kolten Dee Lewis, CEO** - Strategic operations, financial planning, Mining operations, project management, and commercialization, Founder of LACE.
- **Brian Lewis, Vice President** - Oversees strategic operations, financial planning, and project execution. Key leader in aligning OSI's business development with LACE technology deployment and stakeholder partnerships. Brings operational discipline and cross-sector coordination to support sustainable growth.
- **Phil Allen** - Director of Operations – Field deployment and mineral extraction
- **Michelle French** - GEE Consultant – Grant and energy policy navigation
- **Todd Jaeckel** - E-Waste Engineer – Process integration
- **Advisors from INL, the University of Wyoming, and Ernst & Young**

(3-Year Snapshot – Estimated)

Financials

Year	Revenue	EBITDA	Net Income	Funding Needed
2025	\$42,480,000	-\$16,992,000	\$10,738,944	\$30M Seed
2026	\$50,976,000	\$20,390,400	\$12,886,733	-
2027	\$66,268,800	\$26,507,520	16,752,753	-

Use of Funds



Seeking: \$30M Seed Round



40% – LACE tech deployment and lab integration



25% – Field operations and claim development C&W Mine



20% – Staffing, compliance, and testing



15% – IP, licensing, and legal

Exit Strategy



STRATEGIC ACQUISITION
BY REE PROCESSOR OR
DEFENSE CONTRACTOR



LACE LICENSING TO U.S.
LABS AND
MANUFACTURERS



GOVERNMENT OFFTAKE
PARTNERSHIPS



POTENTIAL IPO BY 2028

Closing Vision

“OSI is not just mining the future — we are engineering it.”

Through innovation, partnership, and resource stewardship,

we are redefining how America accesses the minerals of tomorrow.”