

Disa Technologies

Project Liberate:

Advancing Commercialization of High-Pressure Slurry Ablation Equipment in Wyoming



Disa Technologies proposes Project Liberate to expand manufacturing and commercialization of High-Pressure Slurry Ablation mineral liberation technology for advanced mineral processing in communities across Wyoming. High-Pressure Slurry Ablation is a patented, innovative approach to mineral processing that reduces energy consumption and operational expense by providing a more cost-effective and efficient alternative to existing mineral liberation solutions. As a platform technology, High-Pressure Slurry Ablation can be used to process a wide range of critical minerals and materials including uranium, rare earth elements, vanadium, lithium, graphite, zinc, gold, phosphate, nickel, and copper.

This \$17,033,250 project (50% cost share) will create Wyoming-based manufacturing and mining jobs by supporting the scale-up of Disa's Wyoming-based manufacturing capabilities. Critically, this expansion will be accomplished upon the growth and support of the local manufacturing supply chain by expanding key Wyoming vendor relationships.

Over 29 months, Project Liberate will 1) engineer, manufacture, and demonstrate/deploy 10 commercial-scale High-Pressure Slurry Ablation units, 2) forge relationships with 20 new Wyoming-based vendors and suppliers (all small businesses) and 3) hire 22 employees at Disa's Wyoming manufacturing facilities. Not including Disa's Wyoming-based payroll, the project will invest over \$7.3 million with local vendors and suppliers (all unit manufacturing will take place in Wyoming). Through 2029, Project Liberate is expected to result in 53 new direct hires (at Disa), 106 additional new Wyoming jobs supported (nearly \$25 million in new wages) and generate more than \$130 million in economic impact to Wyoming. These projections do not include economic benefits where Disa's technology plays a role in allowing Wyoming mines to be brought online, extend operating lifetime, and/or improve economic performance.

Disa has already raised more than \$35 million in private capital, and upon successful completion of the project, stands to raise hundreds of millions more to fund future expansion.

Supported By Wyoming mining companies, vendors, investors, and community partners:





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Project Liberate will build a commercial fleet of 10 High-Pressure Slurry Ablation units, ranging from 20 tons-per-hour to 250 tons-per-hour.



3rd Generation 10 Ton-Per-Hour Full Circuit



3rd Generation 10 Ton-Per-Hour Unit



3rd Generation 50 Ton-Per-Hour Unit

DRIVING ECONOMIC GROWTH

- ✓ **Economic Impact and Job Creation:** Generates \$130 million in total economic impact over five years, including 53 new high-paying jobs (\$92,000 average salary) and 106 additional local jobs supported across Wyoming.
- ✓ **Workforce Development and Educational Partnerships:** Partnerships with organizations like Casper College, Advance Casper and the University of Wyoming will provide workforce training, internships and career opportunities.
- ✓ **Strengthening Wyoming's Supply Chain and Vendor Network:** With 70% of capital expenditures allocated to Wyoming vendors, the project will bolster local businesses, enhance advanced manufacturing capabilities and foster a resilient supply chain.

ADVANCING WYOMING'S ENERGY PRIORITIES

- ✓ **Fueling Mining Innovation and Efficiency:** High-Pressure Slurry Ablation technology revolutionizes mineral processing, improving mine economics, extending mine lifespans and enabling the recovery of critical minerals like rare earth and uranium.
- ✓ **Alignment with Wyoming's Strategic Goals:** Advances Governor Gordon's priorities to strengthen existing industries, promote new economic opportunities and lead in global energy and natural resource management.
- ✓ **Sustainability and Competitive Advantages:** High-Pressure Slurry Ablation technology offers unmatched advantages, including energy efficiency, improved mineral recovery rates and reduced emissions.