



## Creating a Sustainable Future for Domestic Mining Establishing the Utah Center for Mining Excellence

Since 1946, the Associated Universities Inc. (AUI) has forged effective partnerships with government, industry, and academia to build and manage large-scale, complex, unique facilities to pursue multi-disciplinary research, including the construction of the Atacama Large Millimeter/Submillimeter Array (ALMA) in Chile.

AUI will bring its management and operating experience to establish the **Utah Center for Mining Excellence (UCME)** to foster cutting-edge research and tackle the grand challenges facing mining communities and the global supply chain of minerals. This regional technology hub could connect disadvantaged populations to new job and business opportunities, thus building human and social capital.

### The need of the hour

Mining is vital to our energy supply and economic stability, whether as a product that is mined or as the enabler that can move our energy ecosystem to a new paradigm. As a result, there is a need to develop technologies and processes that address the issues facing the mining industry.

However, mining technology does not receive the same level of support as fossil or renewable energy from the U.S. Department of Energy, perhaps because mining falls under the jurisdictions of the Departments of Interior, Energy, Commerce, and others. For the U.S. to maintain a leadership position and have an economic advantage, the nation's budget for mining technology must reflect our values for the future of domestic mining. An opportunity exists to improve air quality, conserve water, build infrastructure, mentor entrepreneurs, and further develop the domestic workforce required to develop, deploy and operate clean technologies. UCME could be operated as an open platform to enable a broad group of innovators to access its capabilities and offer unique regional and international collaborations.



## UCME's Mission is to:

- Become a leader in the testing and demonstration of technologies that will improve the quality of life in the region.
- Become a regional technology hub and manage a portfolio of innovative projects that will facilitate and accelerate the transfer of new technologies from the lab to the marketplace, including expanding access to investment capital.
- Offer access to unique capabilities and services to benefit innovators along the full innovation cycle.
- Conduct globally competitive and cutting-edge R&D, resulting in intellectual properties and the creation of new entrepreneurial companies.
- Catalyze the education and training of a technologically skilled workforce with e-learning and in-person training facilities.
- Plan and coordinate with local government, industry, academia, and additional stakeholders to integrate financial investments from private and public investment institutions and the technology innovation community, and integrate the input to determine the market opportunities and needs.
- Foster a new generation of entrepreneurs, ready to create and manage successful start-ups domestically, and allow for international collaborations with an AUI managed lab.
- Create sufficient value to reinvest and help the institute support operations and innovative programs through revenue-generating activities, research grants, and philanthropy.

## Partner with us

- Become a member
- Become an investor
- Become a co-investor

AUI is focused on developing public-private partnerships that reduce the risk for private investments and enable capital and entrepreneurs to access a platform of innovation and excellence that they cannot achieve on their own or easily find in the public sphere.

