

Mining value with the ICTL Building a sustainable future

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, including the proven Open Access Model, to establish the Chilean Clean Mining Institute to create world-leading, economically impactful and environmentally sustainable technologies for Chile.

With the new Chilean Clean Technologies Institute (ICTL) project awarded bv the Corporación de Fomento de la Producción de Chile (CORFO), Chile will lead the world in technology innovation for sustainable mining and renewable energy use. The ICTL will become a self-sustaining, integral part of the research, development, demonstration, and deployment ecosystem in Chile, and will offer access to unique capabilities and services to benefit innovators along the full innovation cycle.

ICTL's Mission is to:

- Become a world leader in the testing and demonstration of technologies that will improve the quality of life in the region while reaching UN Sustainable Development Goals
- Develop and deploy new technologies for expanding the use of abundant renewable energy in northern Chile
- Expand the mining sector with reduced emissions and increased efficiency, and enable the creation of manufacturing capabilities to produce and export products made from the mined products while exploiting renewable energy
- Conduct globally competitive and cutting-edge R&D, resulting in intellectual properties and the creation of new entrepreneurial companies

ICTL Preliminary Concept

The initial total budget of the ICTL project is \$240 million. The ICTL will particularly focus R&D on laterstage technologies that generate commercially viable intellectual property and facilitates entrepreneurial enterprise formation. The ICTL will catalyze the education and training of a technologically skilled workforce and a new generation of entrepreneurs ready to create and manage successful start-ups in northern Chile.





The plan consists of building a:

- Battery Lab
- Multiuse Pilot Lab
- Lithium Processing Lab
- Solar Testing Farm
- Hydrogen/Ammonia Production
- Water Treatment Lab
- Innovation Park
- GHG Lab

Become an Investor

The opportunities available are:

- IP Ownership and Licensing
- Technology Licensing
- Business Model Partnerships
- R&D Partnerships
- Strategic Direction Partnerships
- Sustainable/Charitable Giving

And there are four levels of investment memberships:

- 1. ICTL Member, a basic annual investment
- 2. Program Developer, a targeted annual investment
- 3. Education Champion, a lump sum supporting Outreach Center
- 4. Institute Builder, a lump sum supporting Major Initiatives

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.

Become an Associate

AUI looks forward to working with foundations, government, industry, entrepreneurs, and academia to plan and build the infrastructure for discovery in the Antofagasta Region in Chile. ICTL associates currently include but are not limited to: Asexma Chile AG, Ballard Power Systems Inc., CSP Cerro Dominador, Clayton Ventures, Colbun SA, Colorado School of Mines, Enaex Chile SA, Enel Generación Chile SA, Engie Latam SA, Enorchile SA, Freitag & Co, Generadora Metropolitana, Low Emissions Resources Corp, NanoOne, Schwager Energy SA, The Wilson Center, Universidad de Atacama, Universidad Autónoma de Chile, Universidad del Desarrollo, Universidad San Sebastián and University of Utah. We continue to expand our team of associates and are looking to work with additional foundations, industry, government entities, and academia to play an active role in shaping a more sustainable future together.

