



University of Nevada, Reno

“NEVADA LITHIUM BATTERIES AND OTHER EV MATERIALS LOOP” TECH HUB

A Tech Hubs Designation is an endorsement of a region’s plans to supercharge their respective technological industry to create jobs and strengthen U.S. economic and national security.

NEVADA’S ADVANTAGE

- Nevada is home to world-leaders in EV battery development and recycling, as well as the nation’s only operating lithium mine, the largest lithium mine under production in North America, and cutting-edge research infrastructure. This co-location of raw resources, key talent and advanced R&D positions the state to be highly innovative.
- The University of Nevada, Reno is a leader in this regional effort by bringing together diverse stakeholders and ensuring efforts are aligned for the benefit of the state.
- The State of Nevada contains the highest concentration of assets, capital, R&D, labor market, and infrastructure relevant to lithium batteries and other EV materials.
- The University of Nevada, Reno is home to nationally recognized research and education programs related to EV resource and technology.
- In collaboration with relevant industry, Nevada community colleges have well-established workforce development programs that educate, train, and transition the next generation workforce to an economy of the future.
- Nevada-based industries have pioneered cutting-edge innovations in resource extraction, in EV battery technology, in battery reuse and recycling, and in the translational research and development that continuously pushes the boundaries of what is possible.
- Nevada is in a unique position to meet the nation’s growing demand for clean energy through EV technology.
- This large-scale coordination is emblematic of the regional alignment and collaboration that gives Nevada the competitive advantage.

This Tech Hub envisions a region with innovation supported across the lithium batteries and EV materials supply chain, heightened efficiency, cooperation and competition and mitigated economic distress of previously overlooked geographies and communities.

CONSORTIUM DETAILS

- More than 50 consortium partners across the public sector, private sector, and non-profit sector.
- 16 of Nevada’s 17 counties (excluding Clark County)
- 7 of Nevada’s eight regional economic development authorities (excluding the Las Vegas Global Economic Alliance)
- Both of Nevada’s two US Economic Development Administration Economic Development Districts
- 12 industry partners, including industry associations
- Academic institutions throughout the state

REGIONAL COORDINATION

- This Tech Hub designation is one part of a highly coordinated, regional public-private push to transform Nevada’s economy to one that is inclusive, reliable, and capable of meeting the needs of Nevadans and the nation.
- The University recognizes the synergistic opportunities presented by aligning multiple federal, state and industry investments, of which the NSF Engines Development award and this EDA Tech Hub designation are examples.
- This multi-pronged effort to build out our region’s capabilities in every aspect of the lifecycle of lithium and other EV materials consists of more than 50 consortium members, including research institutions, community colleges, private industry, state, local and tribal governments, non-profits, and trade associations.

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