

LEEP connects entrepreneurs with world-leading scientists and facilities at US national laboratories.



Advanced Materials & Manufacturing Technologies Office

# The Lab-Embedded Entrepreneurship Program (LEEP) supports the next generation of clean tech entrepreneurs, moving innovation from lab to market

LEEP accelerates the deployment of clean energy technologies, while also creating jobs, promoting domestic manufacturing, and providing benefits to disadvantaged communities.

- LEEP GOALS:**
- Accelerate commercialization & adoption of clean energy technologies.
  - Connect National Lab resources (researchers & facilities) to start-ups.
  - Train the tech industry leaders of tomorrow.

- WHAT LEEP PROVIDES INNOVATORS:**
- Paid two-year fellowship of up to \$115,000 per year
  - \$150,000 CRADA to support technical work at a national lab
  - Mentorship, programming, and ecosystem networking
  - Annual Demo Day to introduce ecosystem partners and investors to startups

**WHERE LEEP OPERATES:**

**WHERE YOU CAN LEARN MORE**  
 For more information visit:  
[www.energy.gov/eere/ammtolab-embedded-entrepreneurship-program](http://www.energy.gov/eere/ammtolab-embedded-entrepreneurship-program)  
 Or contact:  
 Paul Syers from AMMTO at [paul.syers@ee.doe.gov](mailto:paul.syers@ee.doe.gov)

U.S. DEPARTMENT OF **ENERGY** | Office of ENERGY EFFICIENCY & RENEWABLE ENERGY

Follow the QR Code to go to the LEEP webpage for more information!

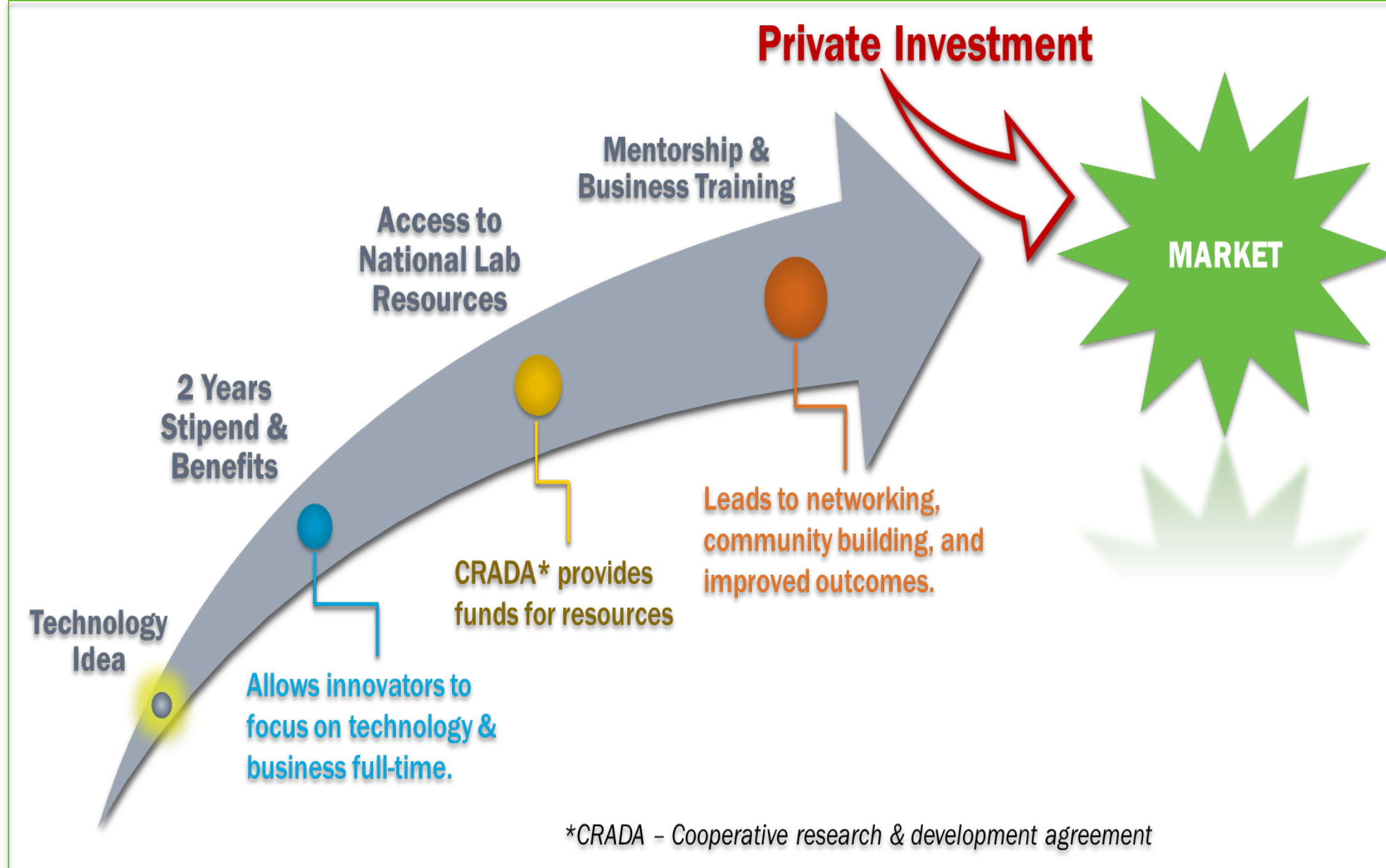


**PROGRAM STRUCTURE**  
 The four LEEP "nodes" (shown in the lower left map) are supported by multiple DOE offices, seeking candidates working on technologies in mission-oriented areas of interest.

**DOE Offices Engaged with LEEP**

<p><u>Energy Efficiency &amp; Renewable Energy</u></p> <ul style="list-style-type: none"> <li>• AMMTO</li> <li>• BETO</li> <li>• BTO</li> <li>• HFTO</li> <li>• IEDO</li> <li>• SETO</li> <li>• VTO</li> <li>• WETO</li> <li>• WPTO</li> </ul>	<p><u>Office of Science (SC)</u></p> <ul style="list-style-type: none"> <li>• Advanced Scientific Computing Research (ASCR)</li> <li>• Accelerator R&amp;D and Production (ARDAP)</li> <li>• Basic Energy Sciences (BES)</li> <li>• Bio &amp; Environmental Research (BER)</li> </ul>
	<p><u>Office of Electricity (OE)</u></p> <ul style="list-style-type: none"> <li>• Energy Storage (ES)</li> <li>• Grid Systems (GS)</li> </ul>

Fossil Energy And Carbon Management (FECM)



**The Impact of LEEP**

- 9 years in operation
- 155 new businesses started
- **97% success rate for startups**
- \$2.63 Billion in follow-on funding
- 2343 jobs created

**LEEP Demo Day**  
 Demo Day, our largest innovation event is the collective showcase of the four node cohorts. The 2024 Demo Day is being held on May 1<sup>st</sup> in Denver, CO, just before IGF. All are welcome to join, register here!

**LEEP SUCCESS STORIES**

**TANDEM PV**

Tandem PV (Cyclotron Road Cohort 2016), a pioneering force in perovskite solar technology, raised an additional \$6 million in January 2024, bringing its total to \$27 million in venture capital and government support. The company will use the funds to advance research and development and plans to build its first manufacturing facility.

**N<sup>TH</sup> CYCLE**

Nth Cycle leverages the power of electro-extraction: clean and modular technology for reliably recovering critical minerals from e-waste, low-grade ore, and mine tailings using electricity. They have secured over \$15 million and begun commercial operations of its electro-extraction critical mineral collector.

**CUBERG**

Congresswoman Barbara Lee (CA-12) joined United States Secretary of Energy Jennifer Granholm Monday in San Leandro, California, to unveil the Cuberg Battery Factory, a pilot lithium-metal anode battery manufacturing facility that has received support from the DOE Small Business Innovation Research grant. Cuberg was part of LEEP's founding Cohort at Cyclotron Road.

**eat meati**

Originally, they named their startup Emery and planned to use their biomanufacturing technology to produce high-value carbon to go in Li-ion batteries, but through LEEP, Meati discovered a completely different product and market for their technology. Since then

- They raised \$253 million in venture capital
- They began building a pilot manufacturing plant
- They are negotiating distribution deals with national food chains

**vegconomist** - the vegan business magazine -  
 Meati Hires New CFO Amid Plans to "Become the US Market Share Leader in Plant-Based Meat" by 2025  
 August 16, 2022