

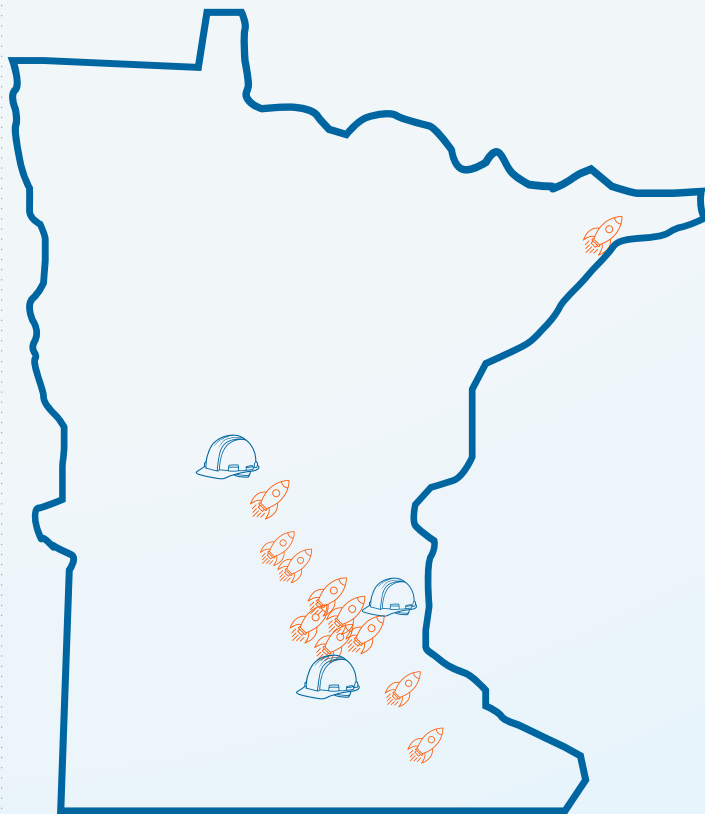
# MINNESOTA ENERGY ALLEY

Minnesota Energy Alley is a public-private partnership that drives innovation to secure our state's energy and economic development future. This initiative leverages our region's technological expertise, and industry leadership to accelerate and strengthen the transition to a clean energy economy.

This initiative follows the successful model for partnership and innovation established by Medical Alley, widely recognized as one of the world's most dynamic and successful technology clusters. Minnesotans have expertise and momentum as a "deep tech" and advanced manufacturing region, with a proven track record in big ideas, industry partnerships, attracting private investment, and building exceptional and innovative products and services.

## The Mission

- Promote Innovation
- Catalyze Economic Growth
- Support Small Businesses Across the State
- Create Family Supporting Careers
- Meet State 2040 Climate Goals



Minnesota Startups Supported by MN Energy Alley (11 cities)



2024 Demonstration Cohort Projects

## 2024 Successes

7

### Pilot Projects

Two pilots completed early.  
Five in progress.

3

### Department of Energy

Startups selected for major Department of Energy grants.

6

### 2024 Demonstration Cohort

Six companies were selected for the 2024 Cohort; two from Minnesota.

10

### Networking Events

Hosted ten ecosystem-building and education events.

31

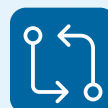
### Innovators Network

Expanded our Network with five new industry partners/future pilot hosts.



### Pilot Funds

\$615,000 in committed pilot funds.



### Attracting Investments

Grid Catalyst program startups have attracted **over \$40 million in investments.**

# Technologies Advanced through Our Demonstration Program

## Energy Efficiency



Electrostatic Motors



Heat Pumps

## Energy Storage



Batteries

## Renewable Energy



Ammonia-Powered Engines



Hydrogen Electrolysis



Solar Thermal

## Software and Controls



EV Charging



Solar Energy Management



Turbine Monitoring



Virtual Power Plant



AI-Enabled 3D Mapping

## Material Science



IT Cooling Systems



Carbon Sequestration

## How Does Demonstration Help Energy Businesses?

Demonstration projects are a critical step in the commercialization process for startups. Proving out their technology in real-world applications will attract investors and new customers, with long-term potential for manufacturing partnerships and regional job growth.

Demonstration projects provide opportunities for learning through a living lab and collaboration and business development opportunities with international business leaders.

Accelerated energy ventures also access nearly **twice as much financing**, earn **50% higher revenue growth**, and average **16% more full-time hires**.

## Making an Impact for Minnesota

We have secured over \$400,000 in additional private funding to support program goals.

By 2028, we aim to support over **20 projects**, assist **hundreds of startups and entrepreneurs**, expand **student innovation** pathways, connect statewide programming, and double industry participation.

**Our vision is to become a global hub for energy innovation, cleantech, and advanced manufacturing.**



## More information:

[cleanenergyeconomymn.org/minnesota-energy-alley](https://cleanenergyeconomymn.org/minnesota-energy-alley)

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