

# HEADWATERS TECH HUB



The **Headwaters Regional Technology and Innovation Hub**'s ambition is to be the global leader in smart, autonomous, photonic remote sensing technologies. This core technology sits at the intersection of Key Technology Focus Areas 1 and 5 and addresses challenges in national defense, management of critical natural resources (agriculture, forestry, water, and minerals), disaster prevention and mitigation, and industry efficiency and safety.

# PARTNERS

State Tribal Economic  
Development Commission

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STATE WORKFORCE INNOVATION BOARD

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# PARTNERS



AMERICA'S FRONTIER FUND

# TECH HUBS

U.S. Economic Development  
Administration

247 unique applications:

124 applications for **both**  
Designation and Strategy  
Development Grants

68 applications for a Tech  
Hubs Designation only

55 applications for Strategy  
Development Grants only

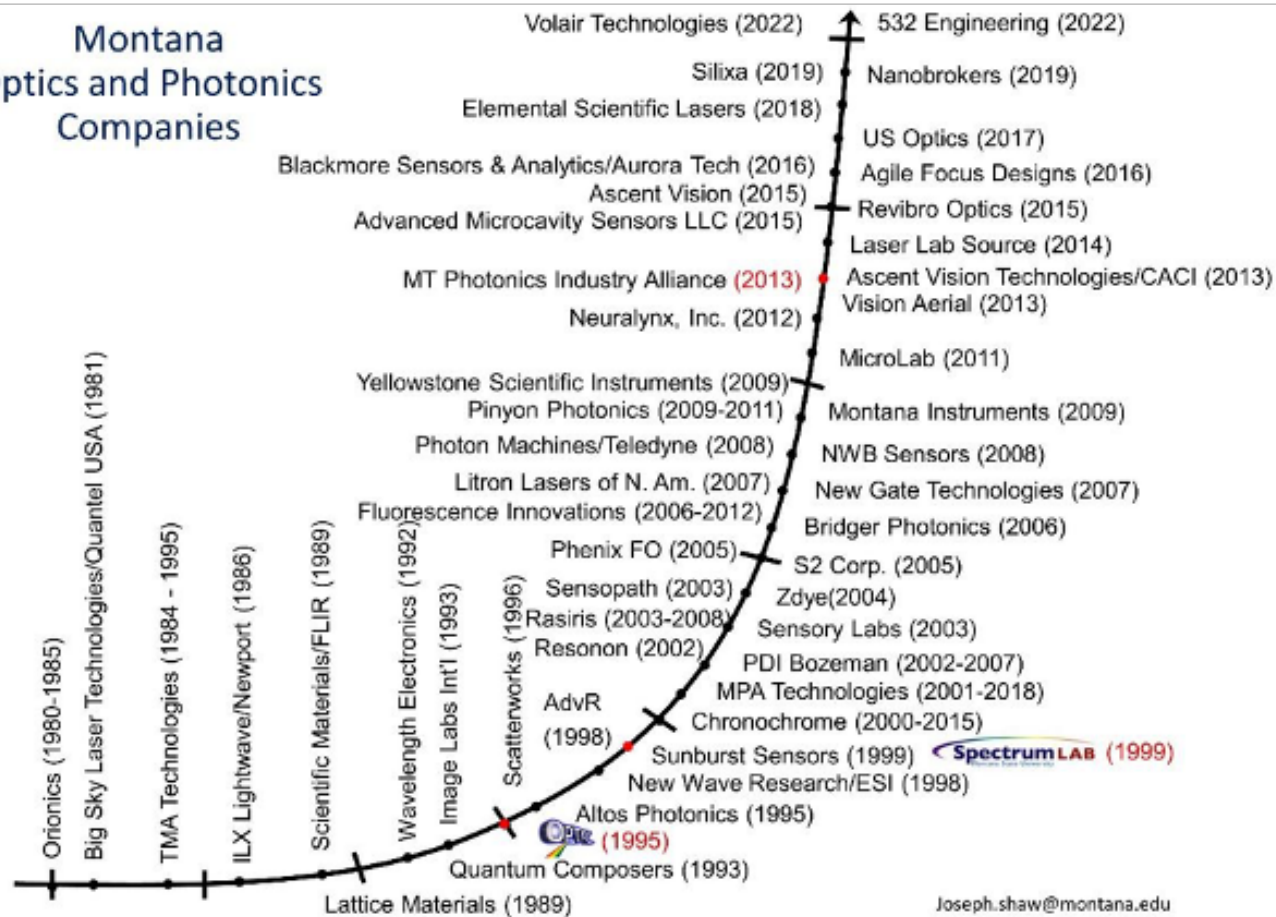
E•D•A

U.S. ECONOMIC DEVELOPMENT ADMINISTRATION



# Montana Photonics Industry Alliance

## Montana Optics and Photonics Companies



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# What does designation mean?

## Follow-on funding

- Can apply for an **initial implementation award of \$50-75m** (w/ 10% match) to be expended over 2-5 years.
- Congressional authorization for follow-on funding up to \$500m per hub over the next decade.
- Competitive preference in Build to Scale and other EDA programs.

## Foreign Direct Investment

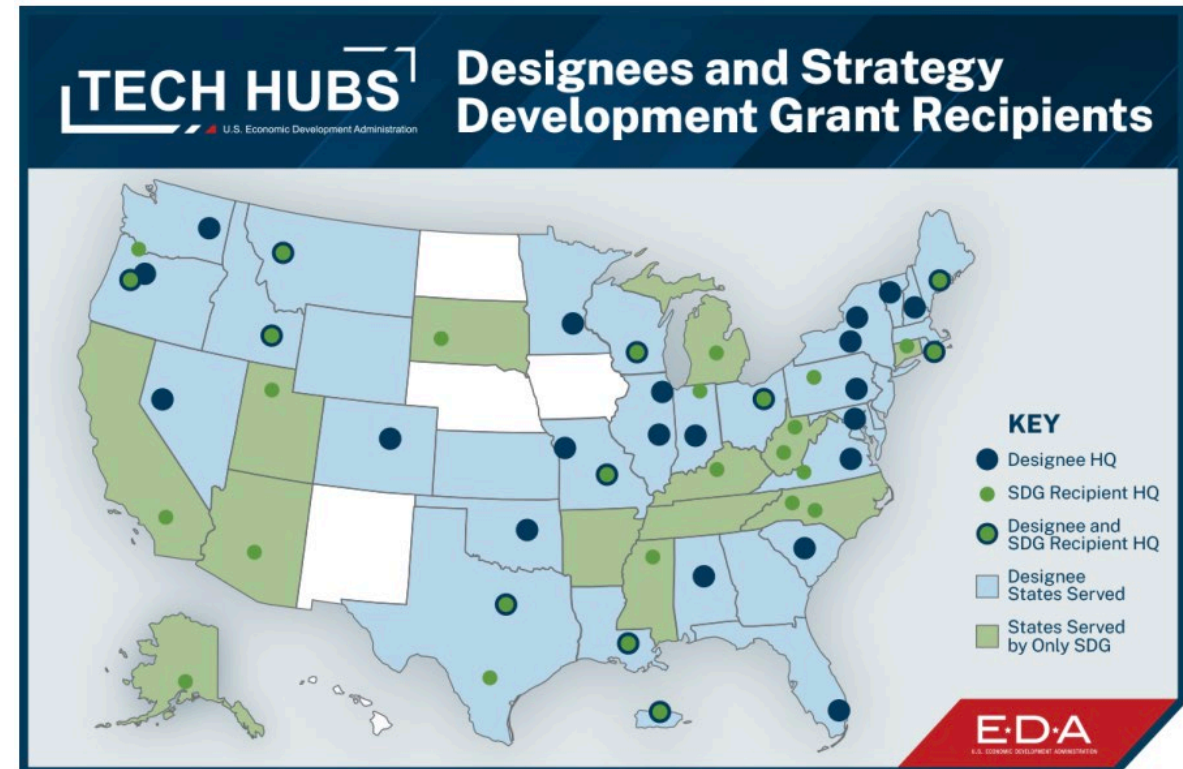
- Dedicated presence at the SelectUSA Summit
- Technical assistance increasing FDI interest

## Intellectual Property Guidance

- US Patent and Trademark Office ambassador
- Additional technical assistance on IP

## Export Assistance

- US Export Assistance Centers piloting Tech Hub trade specialists



# Implementation Award Application

- Application **due** February 29<sup>th</sup>, 2024.
- Will include 3-8 “tightly aligned” projects that aim to address the hubs inhibitors to global competitiveness
- Component projects fit into four broad categories: i) workforce development, ii) business and entrepreneur development, iii) technology development and maturation, and iv) infrastructure

## Phase 1: Designation

Technology-based potential of the region for global competitiveness (**15** pts)

Impact on economic and national security of the entire United States (**6** pts)

Role of the private sector (**6** pts)

Composition & capacity of the regional workforce (**6** pts)

Innovative “lab-to-market” approaches (**6** pts)

Equity & diversity (**6** pts)

Regional coordination & partnerships (**6** pts)

## Phase 2: Implementation

Project quality, ability to execute, and private sector integration (**16** pts)

Impact on economic and national security (**16** pts)

Investment and policy commitments (**16** pts)

Developing, recruiting, and retaining talent and workforce (**8** pts)

Capital formation, deployment, and access (**8** pts)

Equity and diversity (**8** pts)

Governance, leadership, and evaluation (**8** pts)



# HEADWATERS TECH HUB

SMART PHOTONIC SENSING

**Dr. Joe Shaw** Professor and Director of the Optical Technology Center, MSU

**Paul Gladen** Director, Accelerate Montana

**Scott Osterman** Director, Montana Department of Commerce