



Sandia National Laboratories

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# Technology & Economic Development Overview (1983)

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# Technology & Economic Development



**QUANTUM SYSTEMS ACCELERATOR**  
Catalyzing the Quantum Ecosystem



# New Mexico Small Business Assistance Program



**NMSBA** assists for-profit small businesses in New Mexico with access to laboratory experts at Sandia and Los Alamos national laboratories. These experts help them gain knowledge and solve challenges utilizing the labs' cutting-edge technologies.

**\$76.1M**

*Technical assistance provided by Labs  
since the inception of NMSBA in 2000*

Source: 2021 NMSBA Perspectives

**3,204**

Businesses Assisted

**10,211**

Jobs Created and Retained

**33**

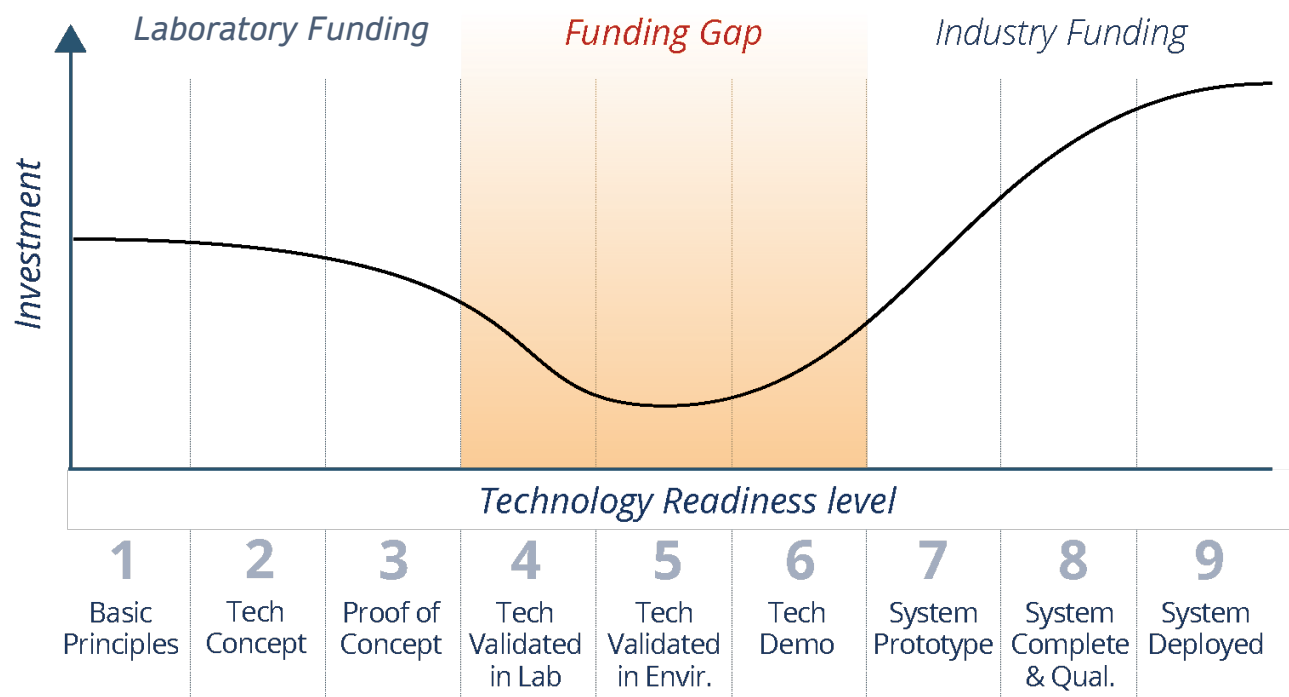
New Mexico Counties Supported

# Technology Readiness Initiative



New Mexico businesses have the opportunity to work directly with scientists and engineers at Los Alamos or Sandia national laboratories to advance the maturation of their technology.

## Funding Gap 'Valley of Death':



## Benefits:



**\$150K**

Worth of assistance (cost of labor/materials for national lab staff) per year



**Technology deployment**  
in New Mexico

# Entrepreneurial Separation to Transfer Technology



**ESTT** is a valuable tool which allows Sandia to transfer technology to the private sector by permitting **Sandia employees to leave the Labs to start up or expand technology companies**. Entrepreneurs are **guaranteed reinstatement for up to two years** if they choose to return to the Labs.

**ESTT**  
Entrepreneurial Separation  
to Transfer Technology

## Results:



174

### Sandians Who Left on ESTT 174

- To start a company 79
- To expand a company 95
- Returned from ESTT 47
- Terminated employment 115



125

### Companies Affected by ESTT 125

- Start-up companies 63
- Expansion companies 62



44

### Licenses for Sandia IP with ESTT 44



# Sandia Science & Technology Park



Sandia National Laboratories



SANDIA SCIENCE & TECHNOLOGY PARK

Procurement Connections

Business Development  
Connections

Technical Business  
Assistance



**BlueHalo:** Contracts to support upgrades to the Hermes and Saturn accelerators, and tester development for Mobile Guardian Transporter and JTA6R projects.



**Excelligent:** Contracts to provide project management consulting services to support major modernization programs.



**TEAM Technologies:** Holds a technology transfer license from Sandia for an explosive tool called Stingray, and contracts to build security panels, power supplies, sensors, and a variety of machine parts.



# Center for Collaboration and Commercialization



**C3** serves as a “front door” to Sandia and is designed to strengthen partnerships, technology transfer, and ties to the community.

## Community Benefits

- Access to Labs’ experts
- Licensing
- Agreements
- NMSBA
- Supplier Diversity
- Community Development

## Sandia Benefits

- Tech Transfer and entrepreneur events
- Connections with potential partners and stakeholders
- Access to co-working and conference space
- Integration into the ABQ Downtown ecosystem



# Quantum Systems Accelerator



## Industry Partnerships

Transfer technology, create roadmaps, reduce risk, and define market opportunities

### Other DOE NQI Centers

Closely coordinate across National QIS Research Centers to maximize the program's impact on US national and economic security

### DOE/SC Projects and Facilities

Leverage the advances and capabilities of DOE/SC projects and user facilities to develop next-generation quantum devices

### International Collaboration

Engage with global QIS leaders to share best practices and leverage insights from international research centers

### QED-C Partnerships

Support QED-C efforts and initiatives through synergistic technical programs, joint workforce development activities, and service on QED-C committees

### Workforce Development

Build tomorrow's workforce through cross-sector exchanges, internships, specialized research courses, and quantum re-training programs

### One-Stop Quantum Shop

An online portal and communications vehicle that serves as a centralized repository for the QIS ecosystem

