Public Spend Forum

SBIR/STTR + Federal R&D Report, Data and Dashboard

Powered by AI-MI™ and PSF's Expert Analysis

In-depth emerging tech category-by-category trends, use cases, programs/buyers, technologies, companies and regions

Get access today!

About the SBIR/STTR Report, Dashboard and Data

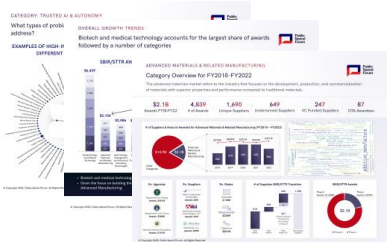
The SBIR/STTR program, often referred to as “America’s Seed Fund”, provides almost $4B in funding for emerging technologies. Other R&D investments also lead to billions more in funding.

This REPORT and accompanying DATASETS and DASHBOARD provide deep insights, by 13 emerging technology areas, on which use cases are being funded, who is investing in them, which companies are winning, and which regions are emerging as the new hotbeds of innovation.

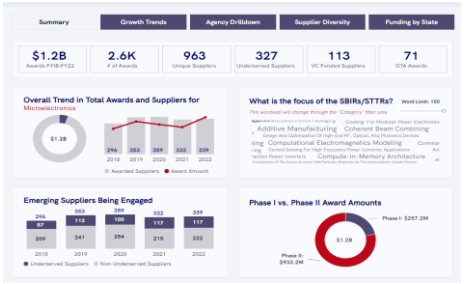
Who is the report/dashboard/data for:

- **SBIR/STTR and Grants teams**, to guide overall program design and investment decisions.
- **Government innovation and capital managers** to understand use cases and technologies being funded and to improve collaboration among programs with similar needs.
- **Startups and emerging companies** to know how government is investing and identifying program offices.

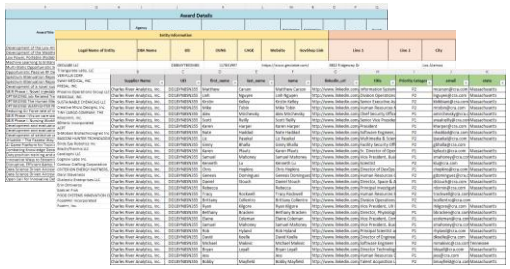
170+ Page Report



Interactive Dashboard



Enriched Data on Buyers, Suppliers, Use Cases, Regions



Emerging Tech Categories/Markets Covered:

- Advanced Communication Technology
- Advanced Energy and Clean Energy Technologies
- Advanced Materials & Related Manufacturing
- Biotechnology & Medical Technology
- Data Storage, Management and Advanced Computing Technologies
- Electronic Warfare Technologies
- Financial Technologies
- Microelectronics
- Natural and Anthropogenic Disaster Prevention or Mitigation
- Quantum Science & Technology
- Robotics, Automation, and Advanced Manufacturing
- Space Technology
- Trusted AI and Autonomy

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The SBIR/STTR report and accompanying dashboard/data are focused on answering several critical questions:

- ✓ Investment trends **by 13 critical tech areas and by buyers/suppliers**
- ✓ **Use cases and which technologies are being used**
- ✓ **Agencies and program offices** investing in which tech areas and use cases
- ✓ Data on over 10,000+ **companies that are winning** and what capabilities they bring to the market
- ✓ **Total investments**, including government funded and private capital, by company
- ✓ **Geographic regions and innovation clusters** emerging across the country

What Leaders are Saying about the SBIR/STTR Analysis

*"This is a **terrific report**. There are more than a handful of companies that would find this useful."*

Director at Defense Innovation Unit

*"This is **some of the best work I've ever seen**! Imagine, applying this same analysis to millions, all investments by region and people."*

Executive Director, University of Chicago Center for Impact Sciences

*"This is **fantastic data**! We certainly would like a briefing."*

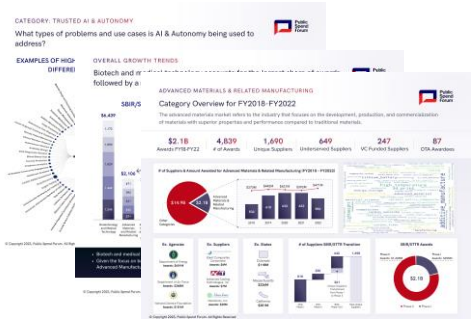
SVP of Microelectronics and Advanced Technologies, Large Consortia

Get Report, Data, and Customized Analysis

Get access to report, interactive dashboard or validated/enriched and refreshed data. Choose from multiple options.

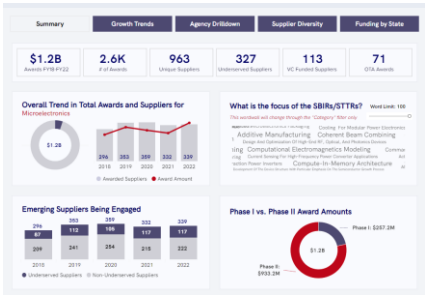
170+ Page Report

Get license to full report including a category-by-category analysis section on 13 emerging tech categories



Interactive Dashboard

Get access to an interactive visualization dashboard, with over 50 charts and analyses



Enriched Data on Awards/Buyers/ Suppliers/Regions

30k+ awards. 10k+ companies. program offices data. Get refreshed data, enriched through our AI algorithms, validated by our analysts. Includes over 200 data fields.

Get Assisted Market Intelligence (AMI) Support to customize your data at no additional cost!

Our team will prepare a custom analysis for you with the SBIR data to address your organization's specific needs.

Report, Data, and Analysis

Report – What's Included

170+ page report includes an overall SBIR/STTR program analysis as well as a category-by-category analysis section on 13 Critical & Emerging Tech (CET)

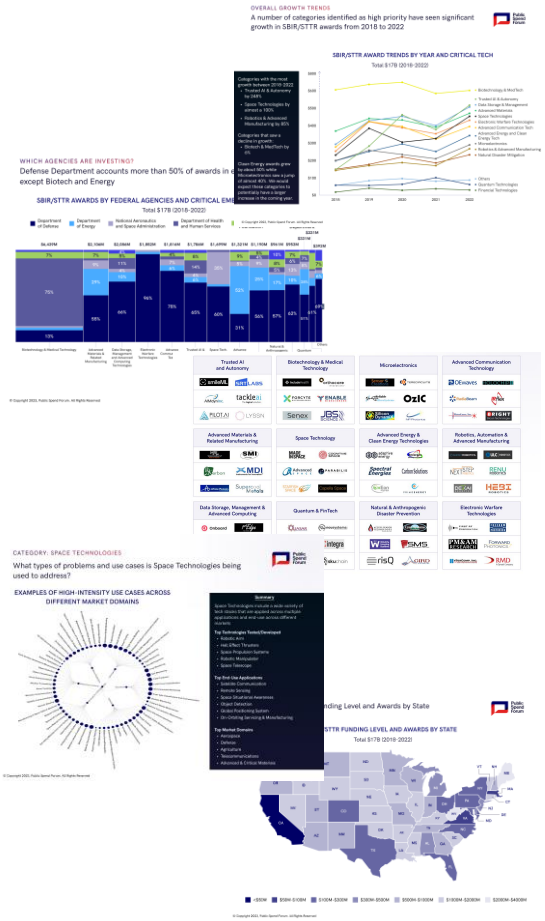
Investment Trends across SBIR/STTR program and by emerging tech category.

Who is buying/investing? Which agencies and programs are investing in which use cases and technologies.

Who is winning? Which companies and labs/research institutions, emerging and/or underserved, are winning. Which companies are scaling?

Which use cases are being funded? Improve investment decisions and which technologies are making an impact by understanding how emerging technologies are being used to address critical use cases.

Geographic Clusters & Regional Analysis Identify emerging geographic clusters across the country, for specific technologies and innovations.



See Appendix for examples of analyses or download sample report.

Report, Data, and/Analysis

Report – Table of Contents

SBIR/STTR Program Level Analysis (30+ pages)

- Executive Summary
- Introduction and Methodology
- Definition of Critical Technologies
  - Overall Growth Trend
    - Growth Trend by Phases
    - Growth Trend by Category
    - Growth Trend by Agency
  - Tech and Use Cases
  - Which Agencies are Investing?
  - Which Companies are Winning?
  - Capital Flow Analysis
  - Regional Analysis
    - Statewide Allocation of SBIR/STTR Awards
    - Awards Distribution by MSA(s)
      - SBIR Awards Distribution by MSA(s)
      - R&D Federal Funding by MSA(s)

Category-by-Category Analysis (140+ pages)

- Use Cases and Technologies
- Growth Trend
  - Growth Trend by Phases
  - Growth Trend by Agency
- Which Agencies/Programs are Investing?
- Which Companies are Winning?
  - Companies by Socio-Economic Designations
- Regional Analysis
  - Statewide Allocation of SBIR/STTR Awards
  - Awards Distribution by MSA(s)

Report, Data, and/or Analysis

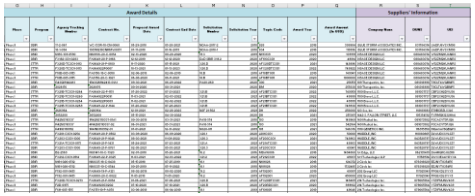
Data License – What's Included

Enriched and Validated Data: Get continuously refreshed data, enriched through our AI algorithms, validated through our AI and Analyst teams. Includes over 200 data fields.

30,000+ SBIR/STTR awards by tech area and use cases

AI-enriched data on over 30k awards

- Award details by tech area
- Use cases and tech areas addressed
- Company and Research Institutions
- Award mapping with emerging tech
- Buying Program Offices
- Regional mapping



10k+ Suppliers

AI-enriched detail data on 10k+ Suppliers:

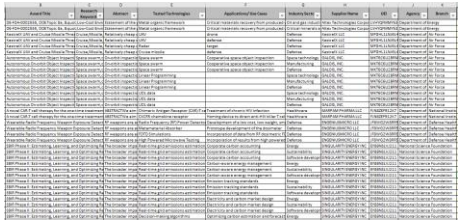
- Company descriptions and capabilities
- Company size and demographics
- Products and Offerings
- Experience

Award data:

- a) Federal contracts
- b) OTA
- c) Grants
- d) Private capital

Program Offices and Buyers data

- Agencies
- Program Offices
- Use Cases and Tech Focus Areas
- Contact and other pertinent data

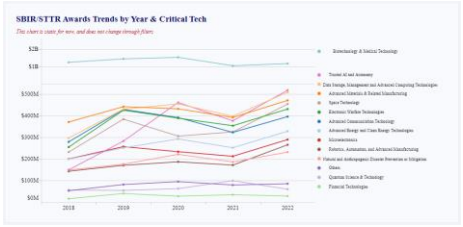


Report, Data, and/or Analysis

Data Dashboard – What's Included

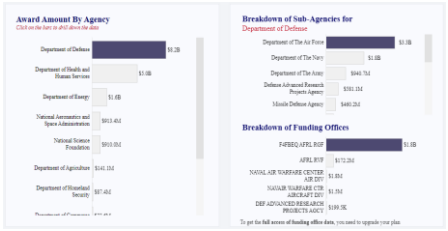
Dashboard, organized by critical tech areas, with interactive filters to help you analyze data in multiple formats

Growth trends by Program, Phase, and Category helps to analyze the overall trends of awards by fiscal years in different categories



"Who's buying?" section

1) Funding by category
2) Agency drill-down
3) Programs



"Who's winning?" section includes

1) Supplier lists
2) Supplier profiles

Regional Analysis

Regional views to identify top states and clusters by tech area; which suppliers are winning in specific areas

Report, Data, and/or Analysis

Customized Analysis through AMI – What's Included

Get data customized and further validated data to answer your specific questions and use cases

3 to 5 day sprint to a custom analysis + data; example analyses include:

- For your technology focus area, which use cases are being addressed? Which suppliers are most suitable? Which other programs are involved?
- For your use case, which technologies are being used? Which suppliers are most suitable? Which other programs are involved?
- Which companies are most scalable and ready to commercialize?
- For your region, which technology areas are most prominent? Which companies are involved?

Or Customize your questions.

I would recommend the Assisted Market Intelligence (AMI) to other DoD applied research communities seeking knowledge of specific technology efforts, as well those desiring significant connections with game-changers in the field."

Program Manager, Air Force Research Labs Materials Engineering

Get Started Today!

Report, data purchase options:

- Complete analysis/data across all tech areas
- Select Emerging Technology Category, based on your need and focus
- Buyer/Program Office Data
- Company/Supplier Datasets
- Regional report and dataset

+ Analysis specific to your needs

Need to customize the data to fit your needs?

We can customize the analysis and dataset based on your needs.

Common requests include:

- Use case or tech specific data
- Agency specific program/buyer data
- Deeper dive into a category
- Region/state specific data

Email us to request a **discount code** (limited time only)!

Contact us at support@publicspendforum.net for report buying options.

APPENDIX

Methodology

The focus of this report and analysis is to provide high-level insights BY CRITICAL TECHNOLOGY AREA across agencies, regions, and companies. We will conduct deeper analysis into regions and use cases in subsequent reports.

To conduct this analysis, we utilized:

- Public/Private/PSF-generated and enriched supplier, investor and SBIR datasets that are part of AI-MI datasets
- PSF's AI-MI™ to enrich data and develop insights into technologies, use cases, and investments
- Critical analysis of the outputs, with an eye toward answering key questions

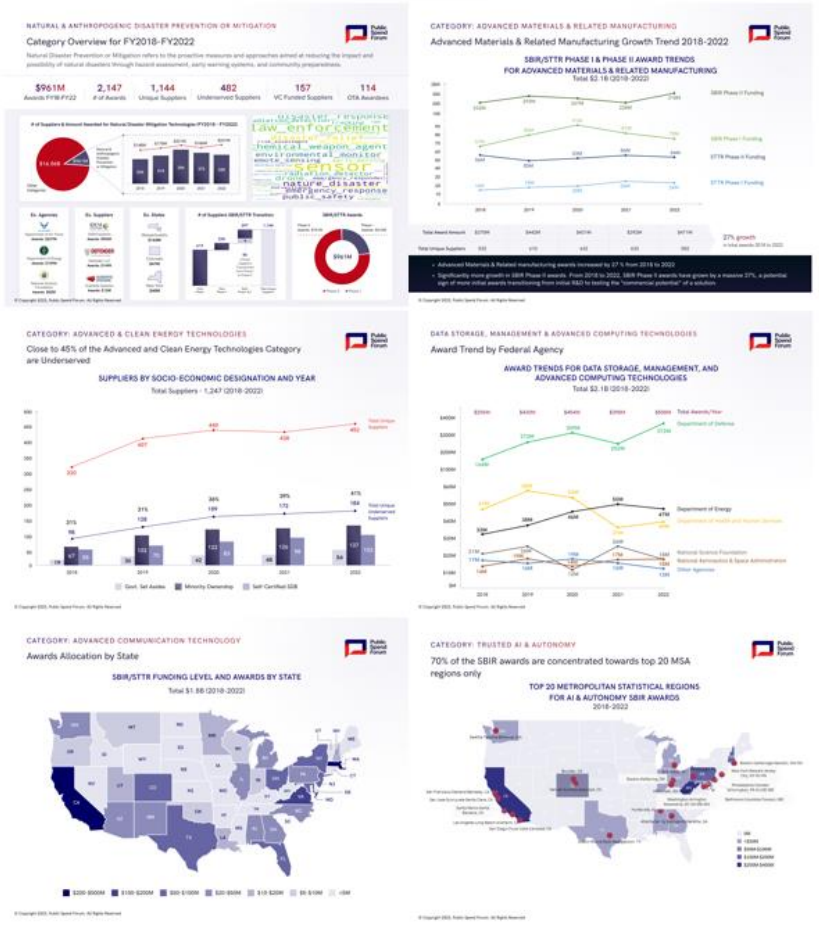
Please Note: *This analysis is not an accounting exercise. Our intent is to be 90% directionally correct, which we have achieved based on significant validation of results as well as the validations we conduct as part of our ongoing data management.*

CATEGORY SPECIFIC ANALYSIS

Dive into a technology category-by-category deep dive, to identify use cases, funding offices, companies, geographic clusters and more.

13 Category-by-Category Sections

Category Dashboards + Analyses



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USE CASES

Improve investment decisions and which technologies are making an impact by understanding how emerging technologies are being used to address critical use cases.

Verticals	Aerospace and Defense	Med-Tech and Healthcare	Manufacturing	Energy/ Utilities	IT & Tele - Communication	Space
Examples of Use Cases	• Object Detection • Aircraft Parts Manufacturing/ Assembly • High-Speed Testing • Intelligence, Surveillance, Reconnaissance • Air Traffic Management • Mission & Strike Planning • Predictive Maintenance	• Drug/Vaccine Development • 3-D Printing of Medical Devices • Pain Management • Clinical Monitoring • Gene Therapy • Biomolecular Imaging • Image Processing • Prosthetics Design & Tissue Engineering • Remote Patient Monitoring	• Machine-Machine Communication • Industrial & Smart Factory Automation • Precision Microfabrication • Manufacturing System Health Monitoring • Materials Design and Processing Development • Warehouse Automation	• Energy Storage Optimization • Anomaly & Fault Detection and Diagnosis • Remote Area Electrification • Reduced Greenhouse Gas Emission • Energy Consumption Pattern Analysis • Building Energy Calibration	• Wireless Communication • Encrypted Military Communication • Real Time Detection and Classification • Spectrum Measurement and Analysis • Multi-Domain Network Connectivity • Low Latency Network Capacity	• Space Situation Awareness • Rendezvous & Proximity Operations • Space Debris Mitigation & Tracking • Satellite Communication • On-Orbit Servicing • In-Space Manufacturing
Examples of Technologies Being Tested	• AI & Machine Learning • Embedded Cyber-Systems • Threat Detection Sensors • Immersive Technologies • RADAR/LIDAR/ SONAR • Robotics and Autonomous Systems	• Wearable Technology • Biosensors • Deep Learning & Computer Vision • Digital Health Solutions • Monoclonal Antibodies • Genetic Markers • Additive Manufacturing • Nanotechnology	• 3-D Printing • Robotics and Automation • Photolithography • Inkjet Printing • Advanced Manufacturing Software • Internet of Things • Blockchain, RFID, & Advanced Analytics • Augmented & Virtual Reality	• Energy Storage Systems • Smart Grid & Grid Modernization • Energy Efficiency Management System • Decentralized Energy Generation & Storage Technologies • Renewable Energy Technologies	• Human Machine Interfaces • Software Defined Networking • DevOps and Continuous Integration/Cont. Deployment • 5G/6G Cellular Technology • Natural Language Processing	• Antennas, Transmitters, and Signal Processing Technologies • Quantum Computing • Navigation & Control System • Advanced Manufacturing Technologies • Data Processing & Advanced Analytics

GOVERNMENT PROGRAMS

Identify potential customers. Identify program offices investing in similar use cases and technologies. Improve your ability to collaborate with other programs.

EXAMPLE OFFICES: DEFENSE AGENCIES

Department of the Army
$941M
- Combat Capabilities Development Command Aviation & Missile Center
- U.S. Army Acquisition Support Center
- Army Research Laboratory

Department of the Navy
$1,823M
- Naval Air Warfare Center Aircraft Division
- Naval Air Systems Command
- Naval Information Warfare Center

Department of the Air Force
$3,315M
- AFRL Materials and Manufacturing Directorate
- Air Force Civil Engineer Center-Readiness Lab
- Air Force Research Laboratory Small Business Office

DARPA
$581M
- Microsystems Technology Office
- Biological Technologies Office
- Information Innovation Office

Other Defense Offices
$1,507M
- U.S.Special Operations Command
- Washington Headquarters Services
- Space Development Agency

EXAMPLE OFFICES: OTHER CIVILIAN AGENCIES

National Aeronautics & Space Administration
$913M
- Glenn Research Center
- Shared Services Center
- Marshall Space Flight Center

Department of Homeland Security
$87M
- Domestic Nuclear Detection Office
- Countering Weapons of Mass Destruction Office
- DHS Office of Health Affairs

Department of Health and Human Services
$4,960M
- Centers for Disease Control & Prevention Office of Acquisition Services
- National Institute of Allergy and Infectious Diseases
- National Center for Advancing Translational Sciences

Department of Transportation
$53M
- Volpe National Transportation Systems Center
- Office of Research, Demonstration & Innovation
- Intelligent Transportation Systems JPO

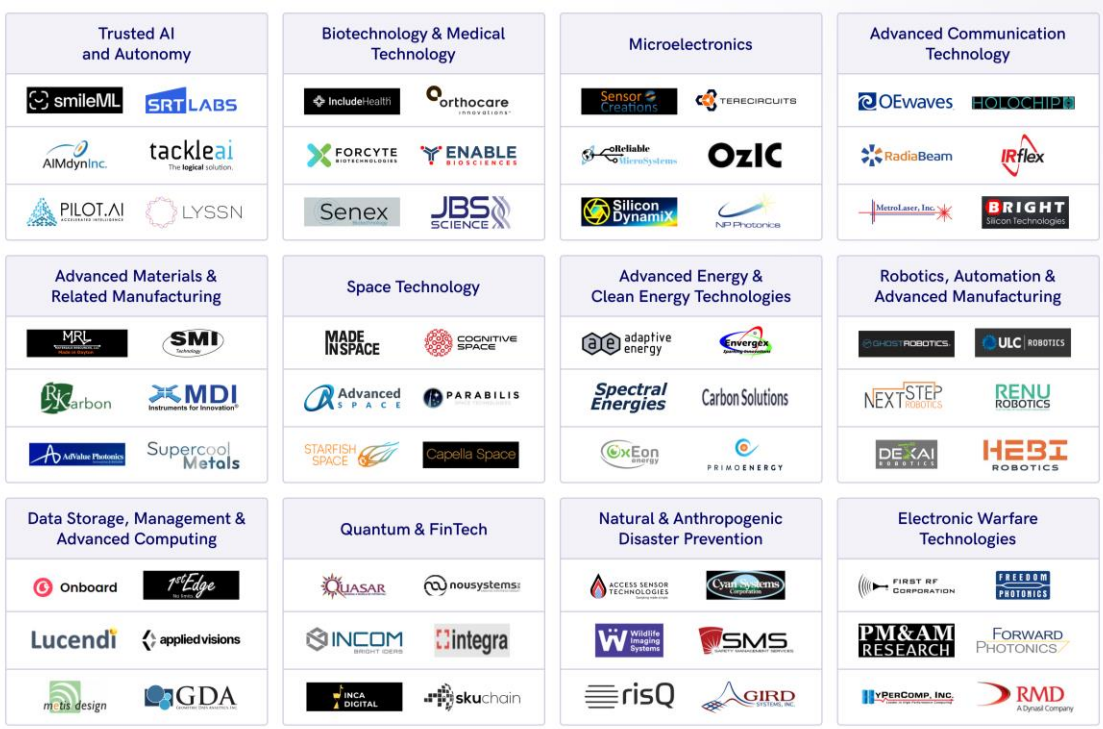
Environmental Protection Agency
$26M
- Office of Research and Development
- Office of Air and Radiation
- Office of Water

COMPANIES

Find out which companies, emerging and/or underserved, are winning. Determine which companies are progressing and scaling.

Suppliers' Information					Experience			
Company Name	Headquarters (City/State)	Under Served Status	Specialties and Expertise	Private Capital Investor Name	SBIR/STTR Awards	Other Federal Contracts	OTAs	Grants
Scale AI	San Francisco, CA	Woman Owned	Computer Vision, Autonomous Driving, Video Object Tracking, Algorithmic Matching, Generative AI Architecture	—	1 $749K	4 $39M	2 $399K	—
Beacon AI	San Francisco, CA	SDVOSB, SDB	Machine Learning, Fl Route Optimizati Sof					
JAXON, INC.	Concord, MA	—	Data Curation & La Synthetic Data, La Training, Knc					
GMATEK	Annapolis, MD	WOSB	Deep Learning, S Autonomous Vessels Event I					
Alpha Drive	Brooklyn, NY	WOSB	Artificial Intelligenc Reinforcement Le Artificial					
Neureon Incorporated	Ballston Lake, NY	WOSB	Neural Networks Machine Learning, U Neuromorp					
Modern Intelligence	Austin, TX	—	Target Recognition, Imaging, Sensor Base					
Grey Matters Defense Solutions	Aurora, CO	8(a)	Data Analytics Algor Technologies, Big D Intel					
Ghamut Corp	East Lansing, MI	Hubzone	Digital Transformat Interaction, Aut Devel					

Full set of suppliers and SBIR data available with data license.



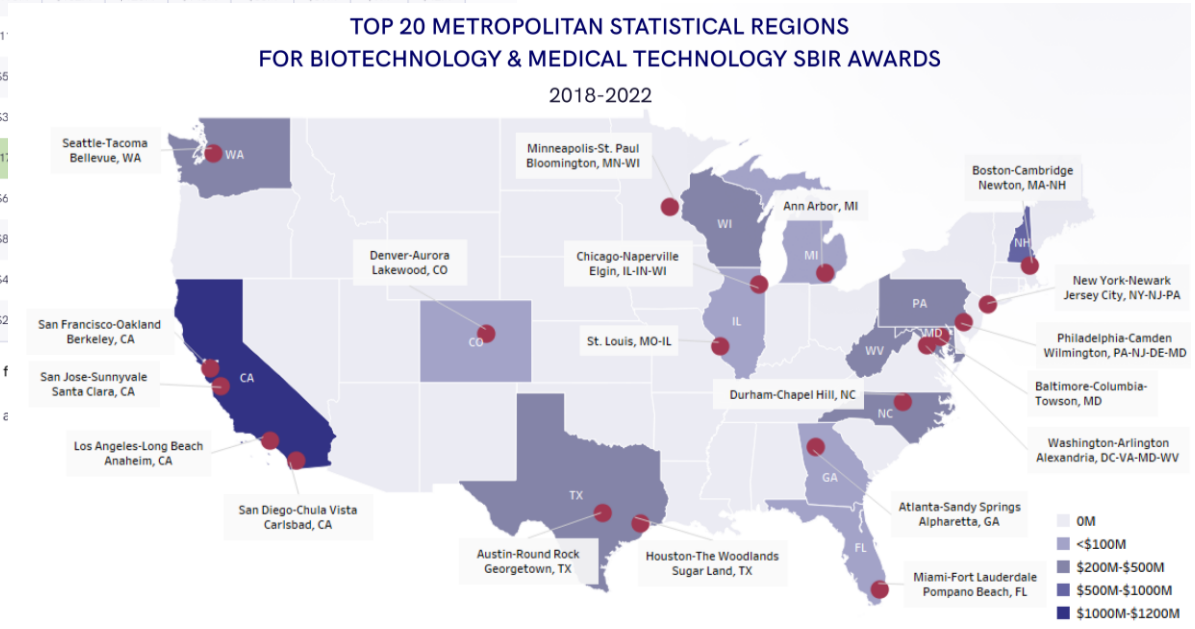
GEOGRAPHIC CLUSTERS

Identify emerging geographic clusters across the country, for specific technologies and innovations.

States	Total Funding Award	Biotech	Adv. Materials	Data Storage	Electronic Warfare	Adv. Comm.	AI & Autonomy	Space Tech	Clean Energy	Microelectronics	Natural Disaster	Robotics	Quantum Tech	FinTech	Other
CA	$3.5B	$1B	$351M	$388M	$375M	$433M	$428M	$409M	$205M	$307M	$181M	$150M	$85M	$30M	$76M
MA	$1.9B	$725M	$227M	$166M	$217M	$216M	$155M	$196M	$152M	$126M	$143M	$85M	$39M	$9M	$42M
VA	$1B	$185M	$134M	$230M	$152M	$160M	$170M	$1							
MD	$784M	$350M	$43M	$138M	$71M	$77M	$127M	$5							
NY	$771M	$330M	$58M	$121M	$57M	$77M	$96M	$3							
CO	$765M	$159M	$118M	$87M	$97M	$97M	$71M	$1							
TX	$758M	$280M	$116M	$98M	$75M	$81M	$88M	$6							
PA	$729M	$292M	$102M	$60M	$104M	$48M	$91M	$8							
OH	$664M	$163M	$154M	$97M	$89M	$59M	$65M	$4							
NC	$583M	$393M	$42M	$52M	$57M	$28M	$38M	$2							

Represents highest funding by state Represents second-highest f

Note: The funding amount will get overlapped with other critical tech areas as a



AI-Enabled
Market and Supply Chain Intelligence (AI-MI™)

What We Do:

- ✓ Deep Tech Intelligence
- ✓ Market, Ecosystem and Supply Chain Assessments
- ✓ Supplier Diagnostics and Risk Monitoring (in partnership with Resilinc)

How We Can Work with You:

- ✓ Market Reports and Insights
- ✓ Datasets and Dashboards
- ✓ Market Research and Advisory Services

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