

INVENTILLINOIS

SBIR FUNDING ASSISTANCE



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Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs

- Supports R&D and financing of cutting edge technologies
- ~\$2.5 billion annual set aside
- ~160,000 awards granted
- www.sbir.gov

Mission of the SBIR and STTR Programs

“ To support scientific excellence and technological innovation through the investment of Federal research funds in critical American priorities to build a strong national economy... one small business at a time ”

4 Goals of the Program

- Meet **Federal research and development needs**
- Increase private-sector commercialization of innovation derived from Federal research and development funding
- Stimulate technological **innovation**
- Foster and encourage participation in innovation and entrepreneurship by **socially and economically disadvantaged persons**

- **SBIR programs have awarded over \$43 billion to research-intensive American small businesses**
- **The 450,000 engineers and scientists involved are one of the largest STEM talent concentrations in the world**
- **Key catalysts for tens of thousands of small businesses**

Why We work on America's Seed Fund?

<https://www.sbir.gov/news/testimonials>



iRobot



Symantec

QUALCOMM

**MADE
IN SPACE**

The Small Business Innovation Research (SBIR) Program

- A set-aside program for small business to engage in Federal R&D with potential for commercialization
- 3.0% of the extramural research budget (FY2015 ~2.0 Billion in summation) for all agencies with a budget greater than \$100M per year. Growing to 3.2% by 2017

FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
2.5%	2.6%	2.7%	2.8%	2.9%	3.0%	3.2%

Agencies that Participate in the SBIR Program

**Department of
Agriculture
(USDA)**

**Department of
Commerce
(DoC)**

**Department of
Defense
(DoD)**

**Department of
Education
(ED)**

**Department of
Energy
(DOE)**

**Department of
Health and Human
Services
(HHS)**

**Department of
Homeland Security
(DHS)**

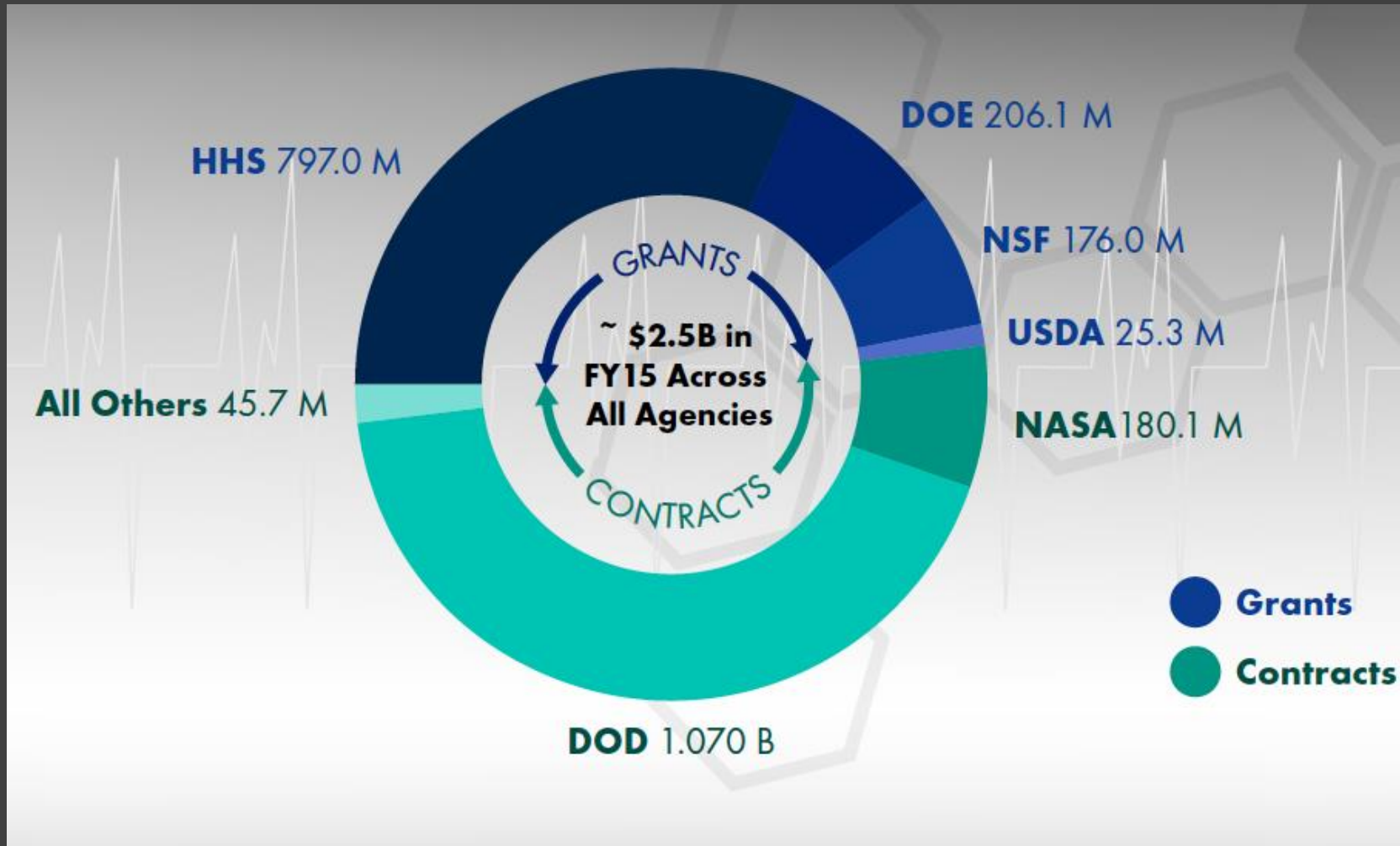
**Department of
Transportation
(DOT)**

**Environmental
Protection Agency
(EPA)**

**National
Aeronautics and
Space
Administration
(NASA)**

**National Science
Foundation
(NSF)**

FY15 Combined SBIR/STTR Budget



SBIR/STTR is a Gated Process w/ Three Phases

Phase I

Concept Development
6 months
> \$150,000

Phase II

Prototype Development
24 months
>\$1,000,000

Phase III

Commercialization
No SBIR funding

Who Qualifies as a Small Business?

- Organized as for-profit U.S. business
- 500 or fewer employees including affiliates
- Work must be done in the U.S. (with few exceptions)
- Greater than 50% U.S.-owned by individuals and independently operated with some exceptions

Principal Investigator (PI)

- Must be employed by the SBC at **time of award**
- Is **not** required to have a Ph.D./M.D.
- Is required to have appropriate expertise to oversee project scientifically and technically



- Application **may be** submitted to **different agencies** for similar work
- Awards may **NOT** be accepted from different agencies **for duplicative projects**

Typical Application Process

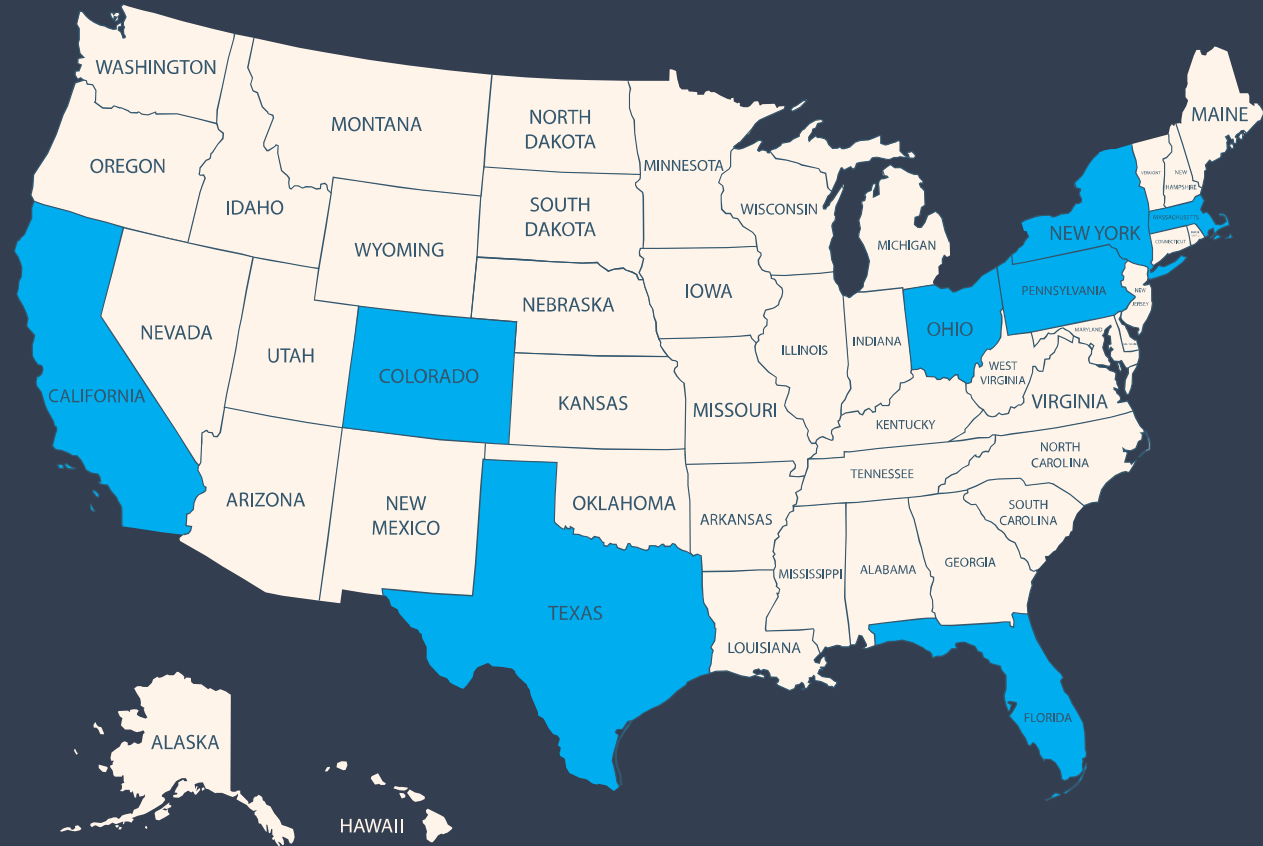


Required Registrations Vary by Agency

	NASA	HHS	NSF	DOE	DOD
DUNS	X	X	X	X	X
SAM	X	X	X	X	X
Company Registry (SBA.gov)	X	X	X	X	X
Electronic Handbook (EHB)	X				
eRA Commons		X			
Grants.gov		X		X	
NSF FastLane			X		
Portfolio Analysis and Management System (PAMS)				X	
fedconnect.net				X	
Funding Accountability and Transparency Act Sub-award Reporting System				X	
DoD Submission Website					X

**Top total
award
dollars
went
primarily
to 10
states**

- California
- Massachusetts
- Virginia
- New York
- Maryland
- Colorado
- Pennsylvania
- Texas
- Ohio
- Florida

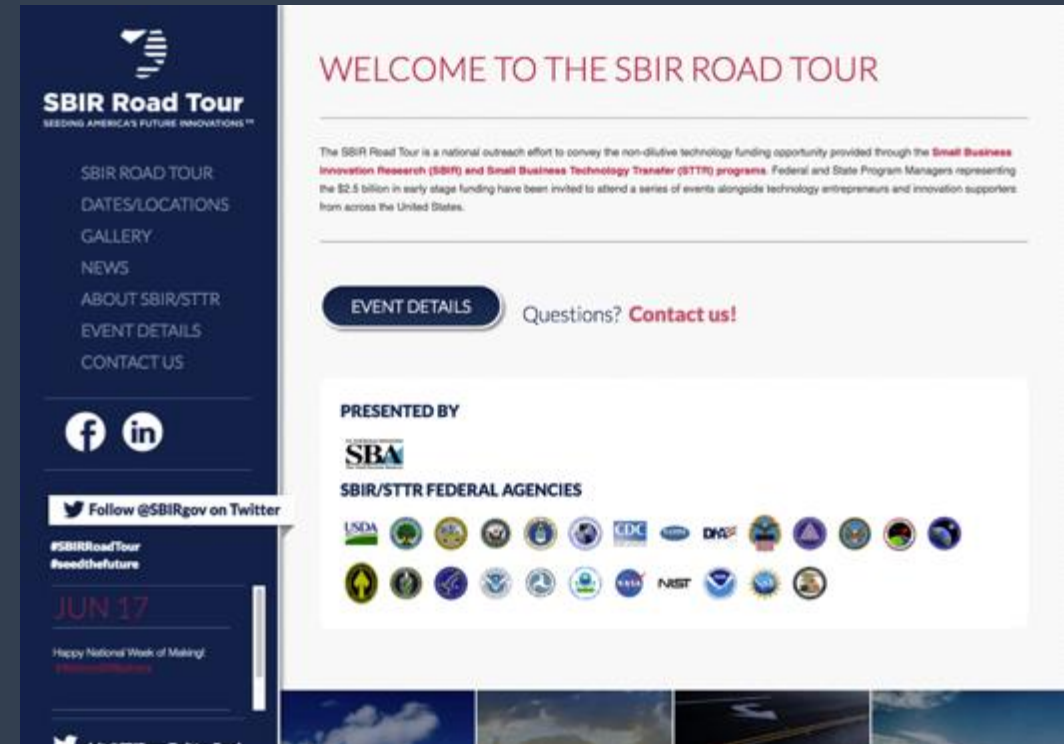


SBIR Website



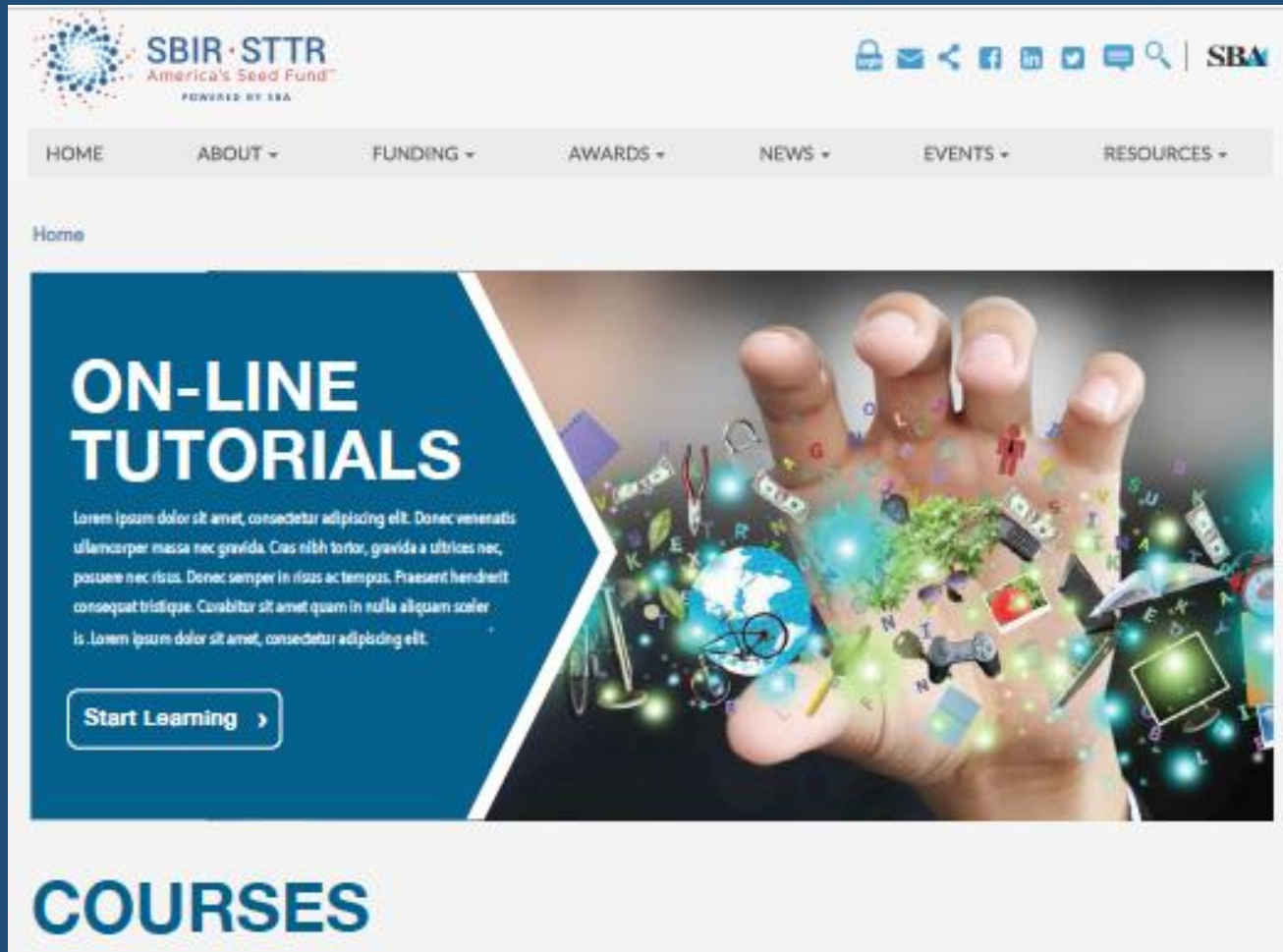
 www.sbir.gov

SBIR Road Tour



 www.sbirroadtour.com

Train the Trainer & On-line Tutorials Initiative (Released July 2016)



Target Audience:

- SBCs interested in learning more about SBIR/STTR (primarily newbies)
- Will be access from SBIR.gov
- Open to everyone
- Better prepare companies for meeting with agency personnel
- Tool for trainers
- 10 Courses

www.sbir.gov/tutorials



On-line Tutorials Course List

- Program Basics
- Finding Topics
- Agency Introductions
- Agency Solicitations
- Registration Requirements
- Proposal Preparation
- Finding Partners
- Accounting and Finance
- SBIR Data Rights
- CyberSecurity



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WOMEN'S
BUSINESS
DEVELOPMENT
CENTER

INVENT2026
technology for US

Federal and State Technology Partnership

Federal and State Technology Partnership (FAST) Program is a competitive grants program administered by the SBA and designed to *strengthen* the technological competitiveness of small businesses.

It improves the participation of small technology firms in the innovation and commercialization of new technology, thereby helping keep the United States on the cutting edge of research and development in science and technology.

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Workshops

1. Intro to SBIR Program
2. Understanding agency needs
3. Searching for topics

General Business advising

1. Pre proposal assessment
2. Agency/Technology Fit
3. 1 on1 counseling
4. Proposal readiness assessment

Proposal development cohort

10 week proposal development class

- In person/online blend
- Technology Review
- Product development review
- IP support
- Business Model assessment
- Proposal review/feedback

COMPANY OFFERINGS

What are you trying to do?

TEAM

Why you?

CATEGORIZING CUSTOMERS

Where's the opportunity?

DEFINING CUSTOMERS

Where's the pain?

SBIR

Team,
Company, and
Partners

Context
(Abstract)

Objectives and
Anticipated
Results

Technical Plan
(Dev, Testing,
Metrics)

Cml'zation Plan

ACCESSING CUSTOMERS/PARTNERS

How do we access the right people?

COMPETITION

What is our relative value offering?

DEVELOPMENT

How do we build out the right solution?

MODELING

How do we extract value? Timeline?

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AP DESIGNS

medication adherence device

MOHOP

3D manufacturing of custom footwear

CUMMINS FACILITIES MANAGEMENT

Nano fiber self decontaminating
material

POWDERCOIL

next generation steel processing

WIFI WISELY

wifi user demographic data analytics platform

NANOBEAST

Software coding program for grade-schoolers

IMMUWARE

Health worker immunization tracking

FORENSIC PHOTONICS

Onsite, real-time latent fingerprint detection
& analysis

Renewable and Sustainable Liquid Energy

[DISCOVER MORE](#)

Influit Energy developed a novel type of rechargeable battery that features active energy storing materials in pumpable liquid form, which essentially allows us to use batteries in the same fashion as gasoline-powered engines.

Questions