



# U.S. Air Force

## Small Business Innovation Research

## Small Business Technology Transfer

### What is the Small Business Innovation Research Program?

The SBIR program was established by Congress in 1982 to fund research and development (R&D) through small businesses of 500 or fewer employees. Eleven federal agencies participate in the program, including the Department of Defense .

The Small Business Technology Transfer (STTR) program was established in 1992 to fund cooperative R&D projects with small businesses and non-profit U.S. research institutions, such as universities.

Both programs focus on projects with the potential to develop into a product for defense or commercial markets.

### How is the program structured?

- Air Force participates in DoD's SBIR.1 and STTR.A solicitations
- Phase I award
  - Feasibility study
  - \$150K and nine months
- Phase II award
  - Full R&D effort
  - Up to \$750K for Air Force and 2 years
- Phase III award
  - Final development/production
  - External non-SBIR funding (public sector and/or government sources)

### Who is eligible?

To participate, a company must qualify as a small business , including size and ownership requirements.

To participate in SBIR, small business must:

- Be the primary employer of principal investigator (PI)
- Perform two-thirds of the research in Phase I and one-half in Phase II
- Perform the work in the United States

To participate in STTR:

- Small business must perform at least 40% of work
- U.S. research institution must perform at least 30% of work
- Work must be performed in the United States
- PI must be employed at small business or research institution

### How are proposals evaluated?

Air Force experts in a particular topic area evaluate proposals on:

- Soundness, technical merit and innovation of proposed approach
- Qualifications of the principal/key investigators and supporting staff
- Potential of technology for commercial application (government or public sector)

### Need more information?

- [www.afsbirsttr.com](http://www.afsbirsttr.com)
- 1-800-222-0336/info@afsbirsttr.com



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## SBIR/STTR Points of Contact

### Air Force SBIR/STTR Program Office

[www.afsbirsttr.com](http://www.afsbirsttr.com)

1-800-222-0336

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### Air Force Research Laboratory

Leads discovery, development and integration of war-fighting technologies for air, space and cyberspace forces

**Aerospace Systems:** Alternative fuels, unmanned vehicles, hypersonic vehicles, collision avoidance

- Barbara Scenters, [barbara.scenters@us.af.mil](mailto:barbara.scenters@us.af.mil)
- Angela Harris, [angela.harris.23@us.af.mil](mailto:angela.harris.23@us.af.mil)

**Air Force Office of Scientific Research:** Basic research, material and life sciences, math, physics

- Raheem Lawal, [raheem.lawal@us.af.mil](mailto:raheem.lawal@us.af.mil)

**Directed Energy:** Laser systems, high power electromagnetics, weapons modeling and simulation

- Trevor Levan, [trevor.levan@us.af.mil](mailto:trevor.levan@us.af.mil)

**Human Effectiveness:** Training, decision making, forecasting, performance

- Sabrina Davis, [sabrina.davis@us.af.mil](mailto:sabrina.davis@us.af.mil)

**Information:** Advanced computing architectures, cyber operations, information exploitation

- Jan Norelli, [janis.norelli@us.af.mil](mailto:janis.norelli@us.af.mil)

**Materials and Manufacturing:** Materials and advanced manufacturing technologies for aircraft, spacecraft, missiles, rockets, and ground-based systems

- Deborah Shaw, [deborah.shaw.3@us.af.mil](mailto:deborah.shaw.3@us.af.mil)

**Munitions:** Explosives, weapons integration, guidance, fuses, navigation, control

- Shirley Schmieder, [shirley.schmieder@us.af.mil](mailto:shirley.schmieder@us.af.mil)

**Sensors:** Antennas, radar, reconnaissance, electronic warfare, microelectronics

- Claudia Duncan, [claudia.duncan@us.af.mil](mailto:claudia.duncan@us.af.mil)

**Space Vehicles:** Spacecraft technology, battlespace awareness, experiment integration and evaluation

- Shannon Molina, [shannon.molina@us.af.mil](mailto:shannon.molina@us.af.mil)

### Air Force Sustainment Center

Provides depot maintenance, supply chain management and installation support

- Edwin Kincaid, [edwin.kincaid@us.af.mil](mailto:edwin.kincaid@us.af.mil)

### Air Force Test Center

Conducts developmental test and evaluation of air, space and cyber systems

- Douglas Hoffelt, [douglas.hoffelt.1@us.af.mil](mailto:douglas.hoffelt.1@us.af.mil)

### Air Force Life Cycle Management Center

Acquires and supports aircraft, engines, munitions, electronics, and cyber weapon systems and sub-systems

- James Sweeney, [james.sweeney.6@us.af.mil](mailto:james.sweeney.6@us.af.mil)

### Air Force Nuclear Weapons Center

Acquires and sustains affordable, timely and effective nuclear weapon systems

- Joe Morris, [joseph.morris.21@us.af.mil](mailto:joseph.morris.21@us.af.mil)

### F-35 Joint Strike Fighter Program Office

Defines affordable, next-generation strike aircraft weapon systems for the Navy, Air Force, Marines, and U.S. allies.

- Amanda Gentry, [amanda.gentry@us.af.mil](mailto:amanda.gentry@us.af.mil)

### Space and Missile Systems Center

Develops, acquires, fields and sustains military space systems

- Amanda Cordes, [amanda.cordes.1@us.af.mil](mailto:amanda.cordes.1@us.af.mil)

### Small Business Resources

#### AFRL Small Business Office:

[www.wpafb.af.mil/library/factsheets/factsheet.asp?id=5809](http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=5809)

#### Air Force Small Business Office:

[www.airforcesmallbiz.org](http://www.airforcesmallbiz.org)

#### Air Force Tech Transfer:

[www.wpafb.af.mil/library/factsheets/factsheet.asp?id=6026](http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=6026)

#### Defense Innovation Marketplace:

[www.defenseinnovationmarketplace.mil](http://www.defenseinnovationmarketplace.mil)

#### Federal Government Business Opportunities:

[www.fbo.gov](http://www.fbo.gov)