



Defense Threat Reduction Agency's (DTRA) Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs

Innovating Together

DTRA Mission

DTRA provides cross-cutting solutions to enable the Department of Defense, the United States Government, and international partners to **DETER** strategic attack against the United States and its allies; **PREVENT**, reduce, and counter WMD and emerging threats; and **PREVAIL** against WMD-armed adversaries in crisis and conflict.

SBIR and STTR Programs

SBIR/STTR are highly competitive programs that encourages U.S. domestic small businesses to engage in Federal Research/Research and Development with the potential for commercialization. Through a competitive awards-based program, SBIR and STTR purpose is to provide seed money to enable small businesses to explore their technological potential and provide the incentive to profit from its commercialization. By including qualified small businesses in the nation's R&D arena, high-tech innovation is stimulated, and the United States gains entrepreneurial spirit as it meets its specific research and development needs.

Central to the STTR program is the partnership between small businesses and nonprofit research institutions. The STTR program requires the small business to formally collaborate with a research institution in Phase I and Phase II. STTR's most important role is to bridge the gap between performance of basic science and commercialization of resulting innovations.

SBIRs/STTRs fuel DTRA's abilities to identify, develop and field innovative technology solutions to counter WMD & emerging threats.

DTRA anticipates participating in the 2nd SBIR /STTR Solicitation each year with 6-8 topics.

SBIR/STTR supports DTRA's robust R&D portfolio through focused innovation and technology insertion.

Contact Us

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DETER. PREVENT. PREVAIL.

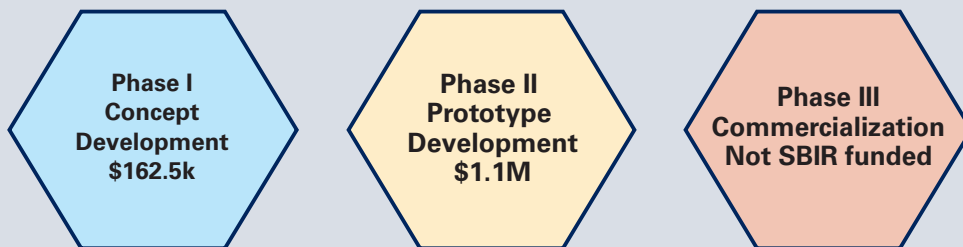


SBIR and STTR Programs

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SBIR/STTR Goals

- 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 women and socially/economically disadvantaged individuals
- Foster technology transfer through cooperative R&D between small businesses and research institutions (STTR)



Past SBIR Topics

- Edge Computing for AI/ML Based in Forward Deployed Cell Phones and Associated Equipment
- Distributed, Cooperative, Learning for Subterranean Robotic Autonomous Systems
- Global Nano Aerial Terrestrial Sensing (GNATS)
- Mathematical Models to Build Multi-radiation Detector Algorithms
- Synthetic Aperture Radar (SAR) Image Generation Data Augmentation (SIGDA)
- Modernized Low Visibility RF Radio Capability
- Augmented Reality and Virtual Reality
- Advanced Optics Based Magnetic Field Diagnostic for Nuclear Weapons Effects (NWE) Testing

For additional information – Visit the Following Websites

US Small Business Administration: www.sbir.gov
Defense SBIR/STTR Innovation Portal: www.dodsbirsttr.mil
The Defense Threat Reduction Agency (DTRA)