The SBIR and STTR Programs

Small Business Innovation Research (SBIR)
Small Business set-aside program for Federal R&D – with potential for commercialization

Small Business Technology Transfer (STTR)
A sister set-aside program to facilitate cooperative R&D between small business concerns and U.S. research institutions – with potential for commercialization

NASA’s SBIR and STTR programs have awarded more than $3.3 billion to research-intensive American small businesses

Engineers and scientists from more than 12,000 small businesses in all 50 States, DC and Puerto Rico have participated
NASA SBIR/STTR PROCESS

PHASE I
IDEA GENERATION

$125,000
SBIR 6 MONTHS
STTR 13 MONTHS

PHASE II
PROTOTYPE DEVELOPMENT

$750,000
24 MONTHS

PHASE III
INFUSION/COMMERCIALIZATION

NON-SBIR FUNDING

PHASE II-E
UP TO $375,000 FUNDING
6-TO-12 MONTH EXTENSION UNDER A MATCHING FUND ARRANGEMENT

Go to sbir.nasa.gov/guide for details
Learning about NASA’s Needs

Focus Areas
NASA’s research subtopics are organized by “Focus Areas” that group interests and related technologies.

- **Identify** the Area(s) closest to your innovation/idea
- **Go** to our website to research
- **Prepare to write** a proposal tailored to NASA’s needs

http://sbir.gsfc.nasa.gov/solicit-detail/58007

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<th>2018 Focus Areas</th>
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<td><strong>1. In-Space Propulsion Technologies</strong></td>
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<td><strong>2. Power and Energy Storage</strong></td>
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<td><strong>8. In-Situ Resource Utilization</strong></td>
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<td><strong>10. Advanced Telescope Technologies</strong></td>
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<td><strong>11. Spacecraft and Platform Systems</strong></td>
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SPECIAL MIRRORS HELP NASA DETECT PLANETS

IRIS AO, Inc., Berkley, CA

Challenge

Starlight can lower the contrast in images sent back to Earth from a telescope traveling in space, making it harder to detect planets light years away.

Innovation

IRIS AO, Inc. helped NASA to develop deformable mirror (DM) technology that can filter out direct light from stars that limit the visibility of exoplanets. The technology is a key component of starlight blocking instruments on telescopes. The DM is used to correct optical aberrations that otherwise reduce the resolution of an image.

PHASE III SUCCESS

IRIS AO products derived from SBIR funding are available for world-wide distribution by Edmund Optics - approximately $2 million revenue generated annually from the technology developed from NASA SBIR. NASA’s SBIR program invested $875,000.

SNAPSHOT

Since the first exoplanet discovery in 1995, NASA has dedicated resources to develop deformable mirrors for powerful telescopes to determine if there are signs of life beyond Earth on planets outside our solar system.

https://sbir.nasa.gov/success-stories
Contact us and let’s innovate together

Website
www.sbir.nasa.gov

Sign up for our Newsletter
https://sbir.nasa.gov/info

NASA Help Desk
301.937.0888
Small Business Innovation Research Program

Federal Small Business Summit
Honolulu, HI
August 16, 2018

Kelly Wright
Director, Technology
Partnerships Office
NOAA’s Mission:
To understand and predict changes in **climate**, **weather**, **oceans** and **coasts**.

To conserve and manage **coastal** and **marine ecosystems** and resources.

To share that knowledge and information with others.
NOAA SBIR Program

Awards
Solicitation per fiscal year
Released
Proposals due
Available via

Grants (Starting in FY19)
One
October
December/January
grants.gov / DoC Grants-Online

Typical Phase I Awards
$120K, Approximately 30

Typical Phase II Awards
$400K, Approximately 20

Commercialization Assistance
Available to Phase II awardees
NOAA SBIR Topics / Subtopics

FY2019 SBIR Phase I FFO: Subtopics TBD

*Possible Examples:
  Increased Aquaculture Production
  Recreational and Commercial Fisheries
  Extreme Weather Impacts, Forecast and Prediction
  Natural disasters / Weather events; Coastal Preparedness
  Technology Transfer

* These are just examples. Final NOAA SBIR subtopics will be published in the October Federal Funding Opportunity.
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