

National Aeronautics and
Space Administration



Opportunities for the SmallSat Community

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SMALL SPACECRAFT TECHNOLOGY & FLIGHT OPPORTUNITIES PORTFOLIO

Flight Opportunities and Small Spacecraft Technology seek to **change the pace of space** exploration, discovery and space commerce.

Portfolio speed, flexibility, and access to a wide array of commercial suborbital / orbital capabilities provides opportunity to rapidly address technology gaps and emerging needs.

WHY?

To ensure **American leadership** in space...

...and **increase the rate of scientific discoveries** within our lifetimes.



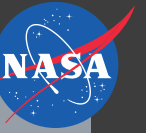
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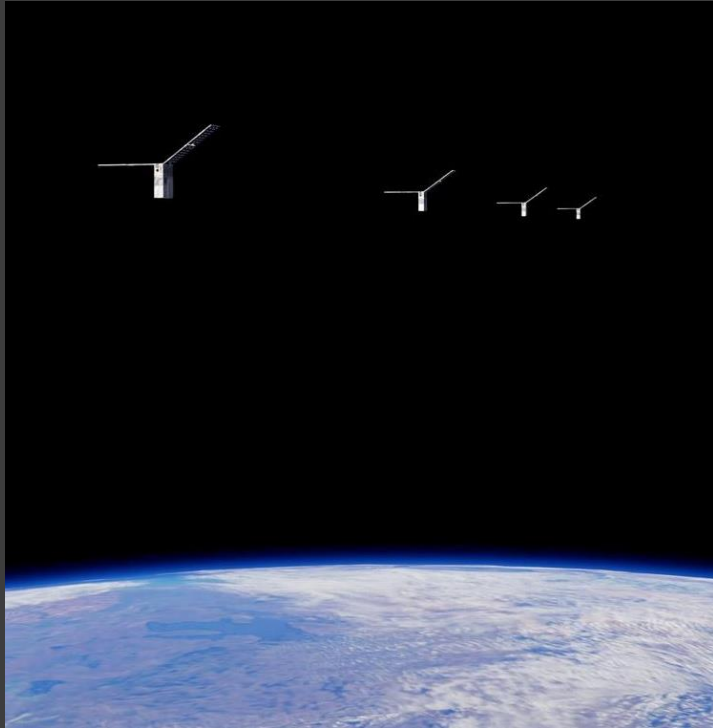
The Small Spacecraft Technology program expands the ability to execute unique missions through rapid development and demonstration of capabilities for small spacecraft applicable to exploration, science and the commercial space sector.

- ❖ Leverage commercial capabilities and best practices
- ❖ Embrace risk-informed decision making and risk tolerance
- ❖ Minimize NASA processes but leverage agency expertise
- ❖ Apply constraint-driven mission philosophy (cost / schedule)
- ❖ Rapidly move from benchtop to flight test to de-risk technology
- ❖ Maintain programmatic agility to ensure responsiveness to disruptive innovation and the changing geopolitical landscape



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Small Spacecraft Technology works with industry and academia to enable new mission architectures and expand the reach of small spacecraft to new destinations.

Technology demonstrations currently on orbit include:

- ❖ CAPSTONE
- ❖ Starling 1 / 1.5
- ❖ ACS3
- ❖ PTD-3

ADDRESS TECHNOLOGY SHORTFALLS WITH NASA

The portfolio rapidly moves innovative solutions from benchtop to flight test.

We support a wide range of innovators from:

- Academia
- Non-profit research institutes
- Industry
- Government

Including...

- Entrepreneurs
- Commercial space companies
- Small businesses
- Students



Researchers with existing U.S. government support can contact the programs directly to discuss flight testing:

Small Spacecraft Technology
ARC-SST@mail.nasa.gov

Flight Opportunities:
NASA-FlightOpportunities@mail.nasa.gov

TechPort

Match your solution to available funding opportunities:

techport.nasa.gov/opportunities

