

# Strategic Partnerships Office

The Strategic Partnerships Office (SPO) at NASA's Goddard Space Flight Center connects Goddard's world-class technologies, capabilities, and expertise with industry, academia, and other government agencies. Through technology transfer, partnerships, and SBIR/STTR funding, SPO links Goddard's labs to the lives of people and organizations across the country. Learn more on SPO's website: <https://partnerships.gsfc.nasa.gov>.

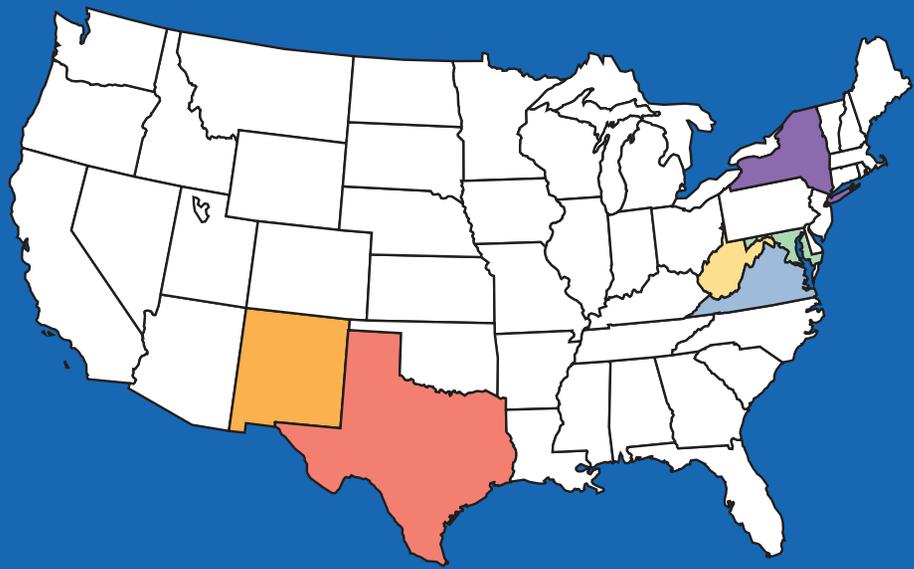
National Aeronautics and Space Administration



# NASA PARTNERSHIPS

## NASA Goddard Space Flight Center

- ONE** World-Class Science and Engineering Organization
- SIX** Distinctive Facilities & Installations



- GREENBELT MAIN CAMPUS**  
Executing NASA's most complex science missions
- WALLOPS FLIGHT FACILITY**  
Launching payloads for NASA and the nation
- COLUMBIA BALLOON FACILITY**  
Directing high altitude investigations
- GODDARD INSTITUTE FOR SPACE STUDIES**  
Understanding our planet
- WHITE SANDS TEST FACILITY GROUND STATIONS**  
Communicating with assets in Earth's orbit
- KATHERINE JOHNSON INDEPENDENT VALIDATION AND VERIFICATION FACILITY**  
Providing software assurance



@NASA  
*Goddard*

## PARTNERSHIPS AT NASA GODDARD

With 60 years' worth of space flight experience, NASA's Goddard Space Flight Center in Greenbelt, Maryland contains a wealth of knowledge and capabilities ripe for partnerships with academia, industry and other government agencies. Goddard comprises six distinct locations, all with world-class science and engineering capabilities. Many of Goddard's attributes, including state-of-the-art facilities and a wide array of subject matter experts, are available to external parties. Please contact Goddard's Strategic Partnerships Office to discuss your ideas for a partnership opportunity.

## GODDARD'S CAPABILITIES

### IN-SPACE ROBOTIC SERVICING TECHNOLOGIES

- In-house knowledge from the Satellite Servicing Projects Division, a group dedicated to extending satellite utility through in-space refueling and repairs
- Recurring industry day workshops for stakeholders to learn about Goddard satellite servicing developments

### TEST FACILITIES AT GREENBELT CAMPUS

- Thermal vacuum chambers simulate the environment of space for satellite and instrument testing
- An acoustic test chamber with 6-foot-diameter speakers that mimic the noise profile of launch vehicles for payload testing
- High-Capacity Centrifuge used to exert force on payloads simulating launch conditions



### SPACE COMMUNICATION AND NAVIGATION (SCaN)

- Providing communications support to more than 100 NASA and non-NASA missions
- Management of three NASA networks: Deep Space Network, Near Earth Network and Space Network

### END-TO-END SMALL SATELLITE MISSION DEVELOPMENT

- Support to small satellite (SmallSat) missions from pre-development to completion
- Mission Planning Lab jumpstarts SmallSat missions with a week-long concept design study, producing a CAD model, cost estimate, and systems level overview of requirements
- Combined 86 years of NASA experience with the Small Satellite Project Office

### INTEGRATED DESIGN CENTER

- Engineers and scientists available to produce detailed design studies of your mission concepts
- Mission Design Lab provides collaborative environment for developing space flight designs
- Instrument Design Lab conceptualizes the development of instruments

### WALLOPS LAUNCH CAPABILITIES

- Agile, low-cost flight and launch range services
- Wide variety of launch vehicle trajectory options
- Research airport enables testing and operations of commercial aircraft