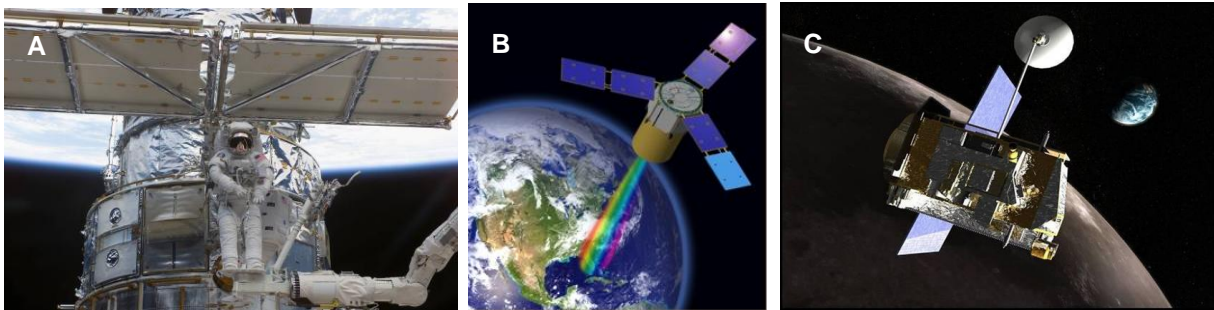


Space Engineering Services – NASA Goddard Space Flight Center, Naval Research Laboratory, Applied Physics Laboratory

Description

The NASA Goddard Space Flight Center (GSFC) in Greenbelt, Maryland, the Naval Research Laboratory (NRL) in Washington, DC, and the Johns Hopkins University/Applied Physics Laboratory (JHU/APL) in Laurel, Maryland play a vital role in the United States of America's space program. In collaboration with other NASA Centers, the Department of Defense, and the Department of Homeland Security, these centers collectively support all aspects of America's investment in space, be it understanding our environment, protecting our nation or maintaining our technological edge in space.



(A) Hubble Space Telescope (B) TacSat-3 (C) Lunar Reconnaissance Orbiter

Hubble Space Telescope (HST)

On every HST servicing mission, ATK has been instrumental in keeping the telescope running smoothly by providing tools and handling aids for exchanging scientific instruments and fine guidance sensors, installing new solar arrays and re-routing electrical harnesses. On the HST Servicing Mission 4 (SM4) in May 2009, the challenges were more difficult. Devices that were never designed for maintenance needed repair. ATK answered the call with a suite of 180 tools that tackled previously insurmountable tasks and took astronaut capabilities to new levels.

Lunar Reconnaissance Orbiter (LRO)

Thanks to the support of almost a quarter million hours of engineering services from ATK Space Services, LRO is currently in lunar orbit and beginning to provide key data sets that identify lunar resources.

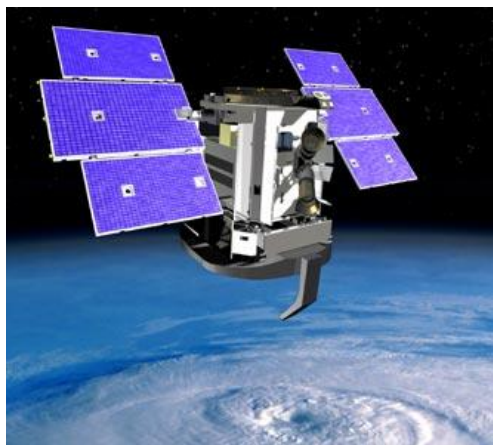
Other Programs

ATK continues to provide high-quality, low-risk engineering support services and enabling technologies to NASA GSFC, NRL, and JHU/APL in the execution of its missions. Over the past twenty years, ATK Space Services has made significant and positive contributions to every mission at GSFC. We have provided significant contributions to several key programs at both the NRL and APL and currently provide key engineering services to support the NRL's Solar Orbiter mission and thermal engineering design and analysis for APL's Solar Probe mission.

JPL Mechanical and Thermal Support Services (MTESS)

Description

Caltech/NASA Jet Propulsion Laboratory has been at the forefront of spaceflight instrument development to monitor pollution and improve our understanding of climate change.



Artist rendering of CloudSat

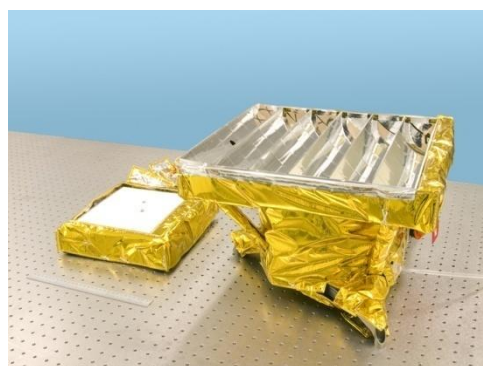


EOS Aura during integration

Recent efforts in both airborne and spaceflight spectral imaging instruments developed at JPL have advanced the state-of-the-art in foliage and mineral mapping. The exceptional uniformity of the spectral and spatial data will allow scientists to map natural resources, determine the chemistry and diversity of rainforests, and monitor surface water quality.



**Artist rendering of Soil Moisture
Active and Passive (SMAP)**



**Moon Mineralogy Mapper
Hyperspectral Imager**

ATK Spacecraft Systems & Services is currently under subcontract to JPL through the MTESS vehicle to provide broad engineering, design, and analytical support to a variety of programs. The rapid response capability of MTESS has also been used to develop and procure hardware components and turn-key subsystems for the aforementioned programs as well as numerous other JPL endeavors.