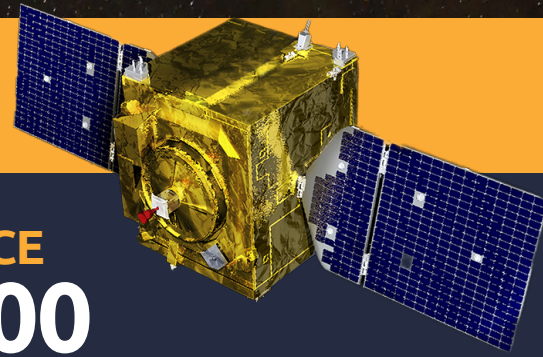


Secure Our Satellites

We depend on satellites more than may you realize

Reliance on Space

Satellites power our global economy, national security, and everyday life.



ECONOMY

Global space economy is estimated at

\$469 Billion

WORKFORCE

152,000

direct high-paying U.S. jobs – from engineers and scientists to technicians and machinists

Energy

Energy technicians rely on space for the precise monitoring, generation, and distribution of power of local grids, keeping neighborhoods powered and your lights on.



Military Strength

Space is essential to military missions across all domains including land, air, and sea. Our space assets help our forces track adversary activities, communicate across the globe, protect themselves from hostile threats, and deter future attacks.



Public Safety

Through GPS and improved communications, space helps police, firefighters, and EMTs respond more quickly and accurately.



Agriculture

Satellites provide precision data that monitor soil, moisture levels, crop development, and more to increase farm productivity and save resources.



Climate and Environment

Scientists use satellite data to better understand our planet and any changes that are occurring, including air pollution, tree canopy, and drought.



Economy and Personal Finances

From swiping your credit card to managing your investments, financial markets rely on space to provide precision timestamps for \$5 trillion in transactions a day.



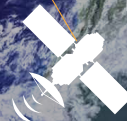
Travel and Trade

GPS receivers help you to get quickly and safely from one place to the next, and improve the efficiency and security of transportation and trade on planes, trains, ships, and vehicles worldwide.



Connecting Communities

Many rural and isolated areas depend on space for phone and internet coverage, whether for online appointments with doctors, speaking with friends and family, or connecting their businesses with the rest of the world.



Threats

Many U.S. adversaries recognize our dependence on satellites and are actively developing threats against it.



Direct –Ascent Anti-Satellite Missiles –

Missiles fired from the ground can strike satellites in space and leave behind hazardous debris.



Cyberattacks – Cyberattacks can shut down or corrupt a satellite, its operations centers, or the data it provides.



Directed Energy Weapons –

Lasers, high-powered microwaves, or electromagnetic pulse weapons can disrupt or destroy a satellite's electronics.



Electronic Warfare – Space-based or ground-based antennas can interfere with, block, or spoof signals going to or coming from a satellite.



Space Debris – Our adversaries aren't the only threat. Due to accidents, lack of care, and even deliberate destruction, there are thousands of pieces of space junk that endanger our satellites.



Co-Orbital Threats – Satellites can attack other satellites in space with weapons to disrupt or disable their targets.

Protect

To defend our satellites, we must build resilient architectures and strengthen partnerships between industry and government.