

PREMIER PROPULSION PROVIDER FOR THE U.S. AIR FORCE AND U.S. SPACE FORCE

Leading provider of advanced energetics,
space propulsion and power systems

Supporting the U.S. Air Force in its mission to fly, fight and win, as well as enhancing the U.S. Space Force's capability to secure our nation's interests in space, from space and to space.

POWERING DEFENSE TO PROTECT WHAT WE VALUE MOST

L3Harris provides innovative power and propulsion systems to help protect our nation's most valuable assets across multiple domains—air, land, sea and space. We provide a broad range of propulsion including solid, liquid, air-breathing, electric and nuclear.

Our proven propulsion is a key enabler for both current and future missions, including space launch and maneuver, hypersonics and LGM-35A Sentinel,

the nation's next-generation ground-based strategic deterrent.

By developing advanced technology and employing modern manufacturing techniques, L3Harris products continue to enhance the performance and efficiency of the Department of the Air Force's missile programs and space launch systems that defend our country, our service members and our allies.

Our team is committed to serving the needs of the Air Force and Space Force and to powering our nation's defense.



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**PROVEN PROPULSION.
FUELED BY INNOVATION.**

- > Top: Advanced Extremely High Frequency System (AEHF) Satellite
- > Middle: Focused Lethality Munition
- > Bottom Right: Thunderbolt II
- > Bottom Left: Hypersonic Artist Concept



ROCKET ENGINES/MOTORS

- > LGM-35A Sentinel: SRM and Post-Boost
- > RS-25: Reusable Liquid Hydrogen and Oxygen (500K+ lbf)
- > RL10: Liquid Hydrogen and Oxygen (24K+ lbf)
- > Variable Flow Ducted Rocket (VFDR): T3
- > 100-lbf HiPAT Apogee (all Wideband Global Satcom, WGS, Satellites)
- > 50-lbf MR-107 (SBIRS)
- > 5-lbf MR-106 (AEHF, GPS-III, GPS-IIF, SBIRS)
- > 0.2-lbf MR-103 (AEHF, GPS-III, SBIRS)
- > 1-lbf MR-111 (GPS-IIF)
- > Bantam family of reusable, 3D printed engines (5k to 100k lbf)
- > XR-5 Electric Propulsion
- > NEXT-C Electric Propulsion

RAMJET/SCRAMJET ENGINES

- > Liquid and Solid Fuel Ramjets
- > Dual-mode Ramjets/Scramjets (Historic X-51A Waverider)

TECHNOLOGIES

- > Industry-Leading Additive Manufacturing
- > Insensitive Munitions
- > Composite Cases (Focused Lethality Munition, BLU-129)
- > Specialty Metals (Armor Piercing Incendiary round, PGU-14/B)
- > Maneuvering Projectiles and Interceptor Propulsion
- > Extreme Environment Power Generation
- > Alternate High Performance Propellant
- > Rotating Detonation Engines
- > Advanced Warheads
- > Digital Engineering
- > Advanced Manufacturing Facilities



- > Top: RL10 Long Duration, High Performance, Upper Stage Engine
- > Left: LGM-35A Sentinel Artist Concept

U.S. Air Force and U.S. Space Force

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