

## PREMIER PROPULSION PROVIDER FOR THE U.S. AIR FORCE

### Leading Developer and Producer of Advanced Energetics

For more than 60 years, we've supported the Air Force in its mission to fly, fight and win in air, space and cyberspace.

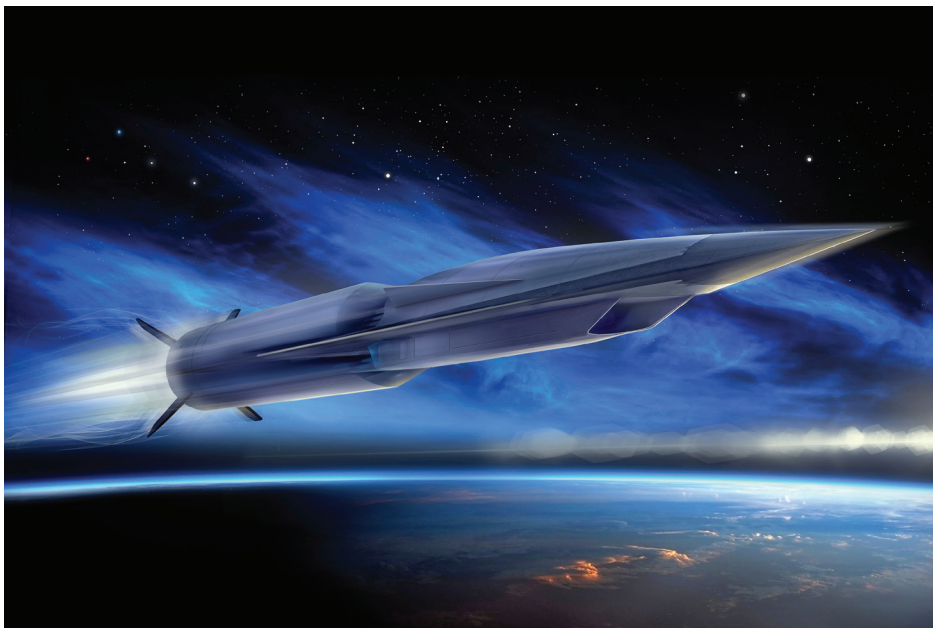
#### **POWERING DEFENSE TO PROTECT WHAT WE VALUE MOST**

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

Our reliable propulsion is a key enabler for both current and future missions, including Hypersonics and LGM-35A Sentinel, the nation's next generation ground based strategic deterrent. By developing advanced technology and employing modern manufacturing techniques,

Aerojet Rocketdyne products continue to enhance the performance and efficiency of the U.S. Air Force's strategic and tactical missile programs and launch systems that defend our country, our service members and our allies.

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



- > Top: AEHF Satellite
- > Middle: Focused Lethality Munition
- > Bottom Right: Thunderbolt II
- > Bottom Left: Hypersonic Artist Concept



## ROCKET ENGINES/MOTORS

- > AR1 - Kerosene and Liquid Oxygen
- > RL10 - Hydrogen and Liquid Oxygen
- > RS-68A - Hydrogen and Liquid Oxygen
- > A2S, A3S Minuteman
- > Sentinel - SRM and Post-Boost
- > Variable Flow Ducted Rocket (VFDR) - T3
- > Gryphon Missile Prop (AFSOC/SOCOM)
- > 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)

## RAMJET/SCRAMJET ENGINES

- > Dual Mode Ramjet/Scramjet (Historic X-51A Waverider)

## TECHNOLOGIES

- > Industry Leading Additive Manufacturing
- > Insensitive Munitions
- > Composite Cases (Focused Lethality Munition, BLU-129)
- > Specialty Metals
- > Maneuvering Projectiles and Interceptor Propulsion
- > Extreme Environment Power Generation
- > Alternate High Performance Propellant
- > Air Breathing Solid Fuel Ramjet
- > Rotating Detonation Engines
- > Advanced Warheads
- > Digital Engineering
- > Advanced Manufacturing Facilities



- > Top: RL-10
- > Left: LGM-35A Sentinel

### Air Force Sell Sheet

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**AERJET  
ROCKETDYNE**  
An L3Harris Technologies Company

1025 W. NASA Boulevard  
Melbourne, FL 32919