





MISSION SUCCESS...132 AND COUNTING!

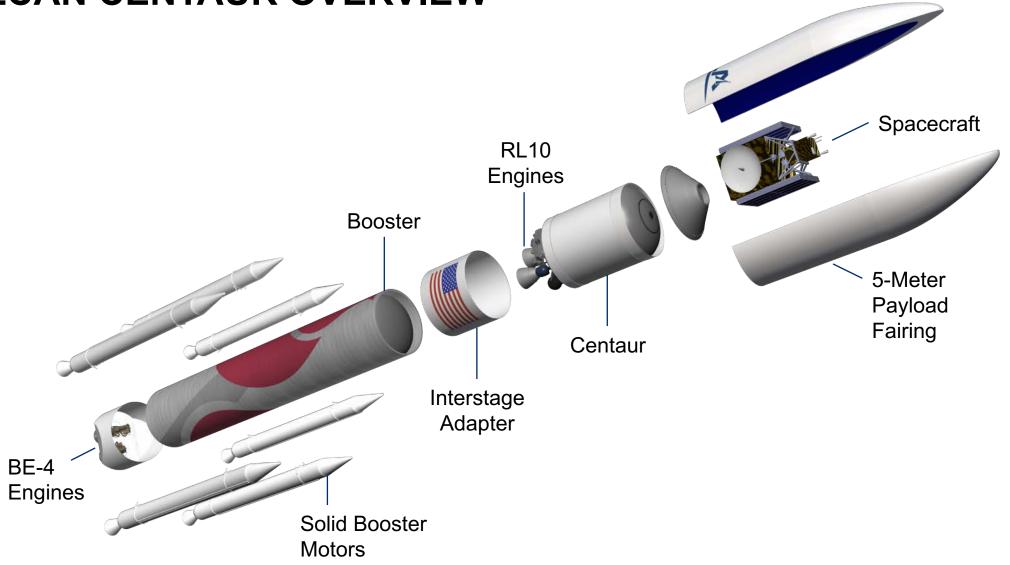






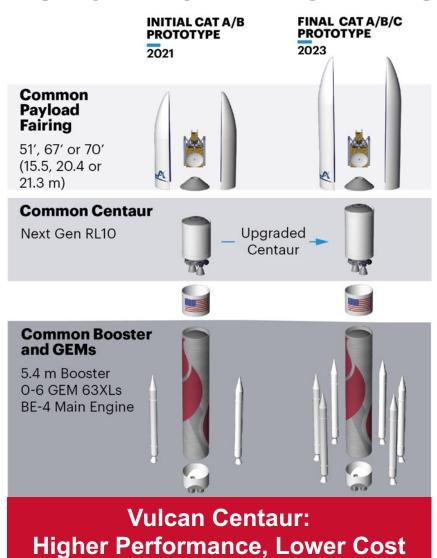


VULCAN CENTAUR OVERVIEW





VULCAN CENTAUR LAUNCH SYSTEM







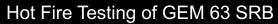


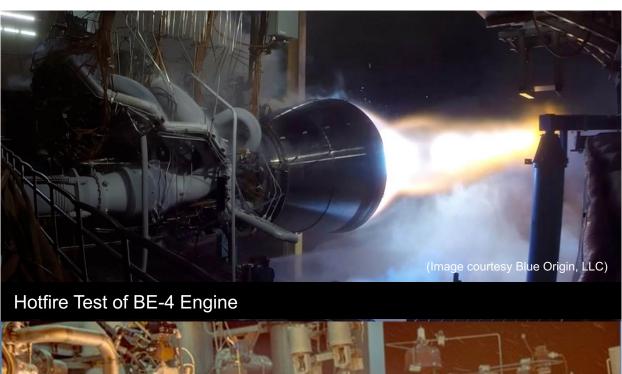
ULA Know-How: 132 Mission Successes MASSIVE CAPITAL
IMPROVEMENTS
COMPLETE
UP TO 20 VULCAN
VEHICLES PER
YEAR



ADVANCED ENGINE & MOTOR DEVELOPMENT



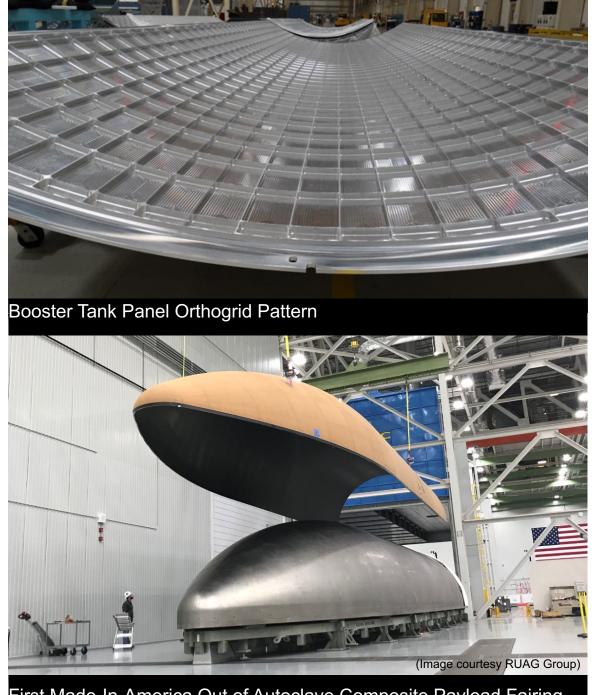




(Image courtesy Aerojet Rocketdyne)

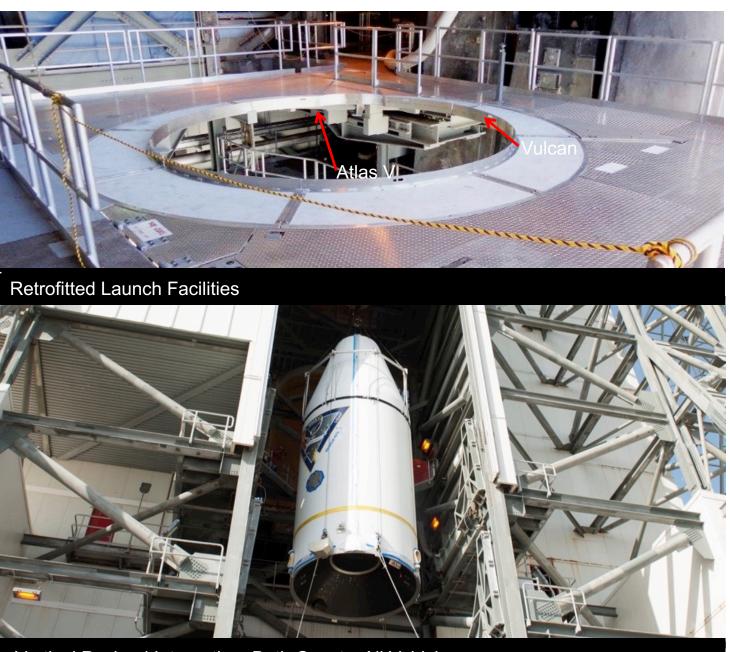
Hot Fire Test of Additively Manufactured RL10CX Combustion Chamber

INNOVATIVE DESIGN AND MANUFACTURING MORE CAPABLE AND COST EFFICIENT HARDWARE



First Made-In-America Out of Autoclave Composite Payload Fairing

PAD
MODIFICATIONS
UNDERWAY
SUPPORTING
FIRST
VULCAN
FLIGHT
IN 2021

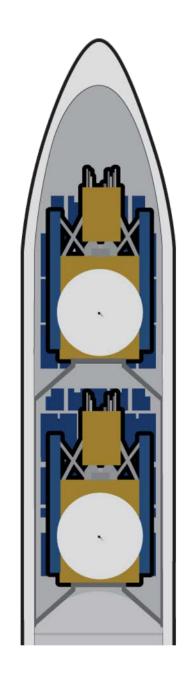


Vertical Payload Integration; Both Coasts, All Vehicles

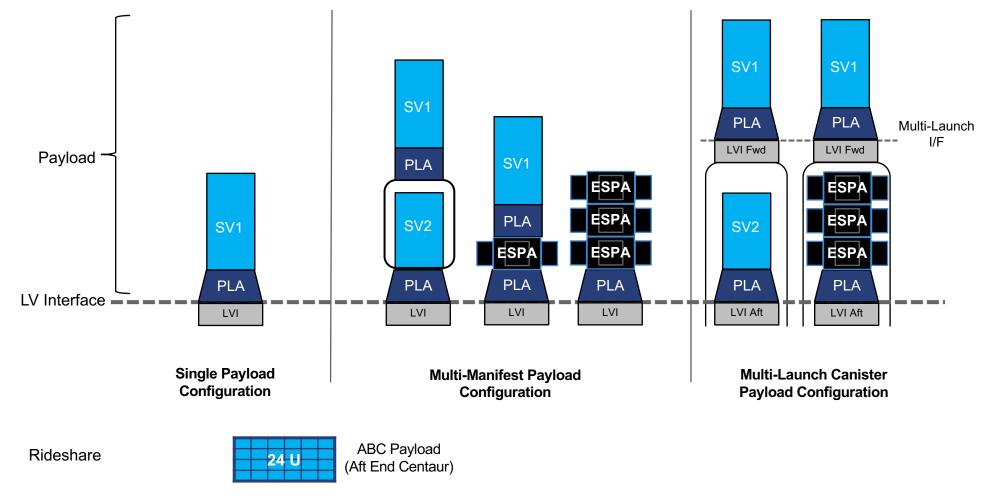
MULTI-LAUNCH CAPABILITIES

Berth-Agnostic Approach

- Conditioned Upper and Lower Berth
- Individual Instrument Purges
- Dual Re-Rad Capability
- Environments In Line w/ Single Launch Configuration
- Individual Payload Users Room
- Manifest Flexibility



POTENTIAL PAYLOAD CONFIGURATIONS



SUMMARY

Vulcan Centaur Provides the World's Best Value for Launch Services

- Innovation Hardware Solutions Provide Affordable Space Access
- Reliable Launch of Critical Customer Payloads

Leverages Atlas and Delta Experience and Mission Success

- Retains Flight Proven Systems for Optimized Orbital Insertion Accuracy
- Increased Lift Capability and Rideshare Opportunities
- Maintains Unparalleled Mission Success Record

On track for 2021 First Launch!

Vulcan Centaur is the Future of Affordable, Flexible, and Reliable Space Flight