

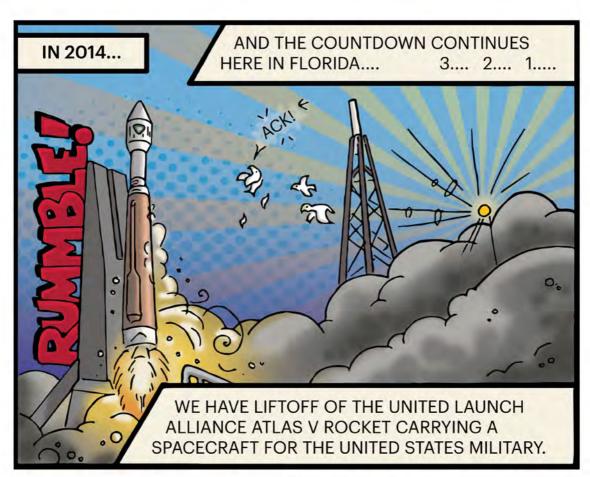
More than 60 years ago, the Atlas and Delta rockets began their tales of success, launching spacecraft on missions to their Earth-bound orbits as well as the vast reaches of space.

United Launch Alliance continued these successful rocket launch programs with the goal to save lives, explore the universe and connect the world.

In August of 2014, Tory Bruno joined the company as the president and CEO, and along with his trusty steed Indigo, began a new chapter of space launch...



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TEAM, OUR NATION RELIES ON US TO LAUNCH THESE IMPORTANT MISSIONS TO COMPLEX ORBITS IN SPACE TO PROTECT OUR NATION,

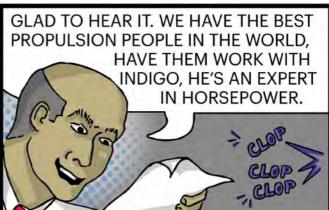
EXPLORE OUR UNIVERSE AND CONNECT OUR WORLD.

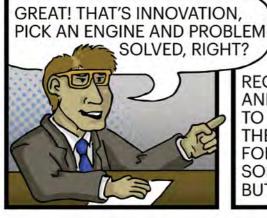






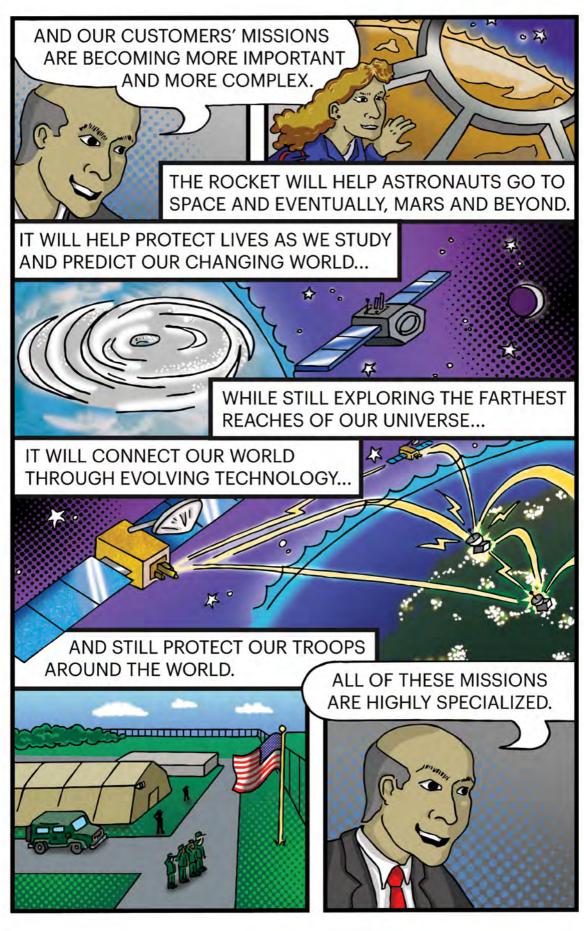






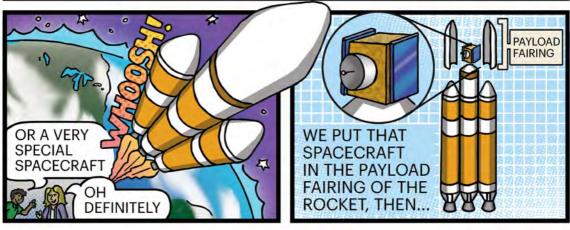
OH, NO. FIRST STAGE ENGINES ARE IMPORTANT TO GET THE ROCKET OFF THE GROUND.

BUT WE NEED NEW FUEL REQUIREMENTS, SOFTWARE, AND A DIRECT APPROACH TO MAKE SURE IT'S THE RIGHT ROCKET FOR NOT JUST SOME MISSIONS, BUT ALL OF THEM.

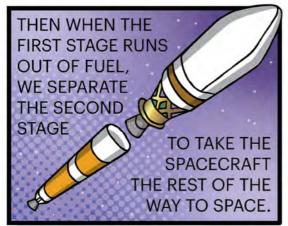






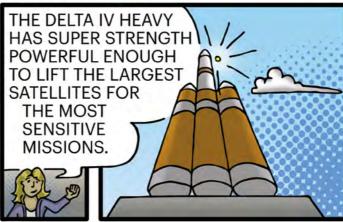












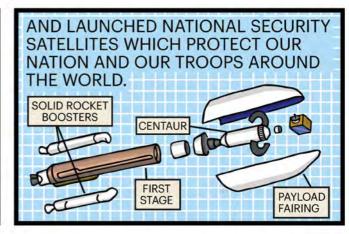


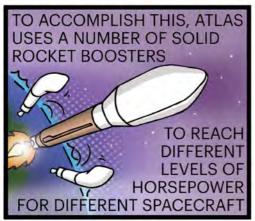


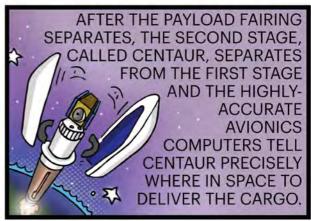


WITH CENTAUR, IT HAS LAUNCHED SPACECRAFT TO STUDY EVERY PLANET IN THE SOLAR SYSTEM,











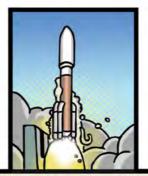






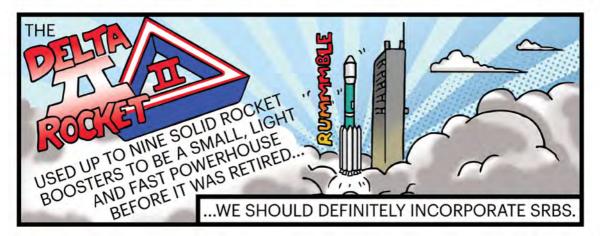


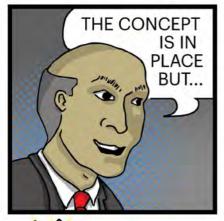






SOLID ROCKET BOOSTERS ARE EXTRA ROCKETS THAT CAN BE ADDED TO THE SIDES OF THE FIRST STAGE BOOSTER, FOR MORE POWER.





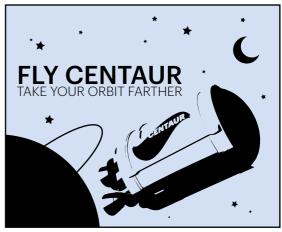
WE STILL HAVE TO DO THE WORK: DESIGN, TEST, PREPARE THE FACTORY AND LAUNCH SITES, BUILD IT, AND... WE NEED A NAME. WE HAVE A LOT TO DO!







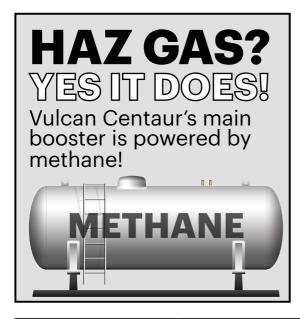






THE NEXT MISSION!

Check out our next launch

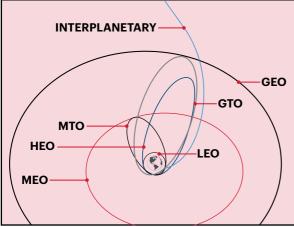


JOIN THE TEAM

Space is available on the top U.S. space team. Help us

& launch Vulcan!



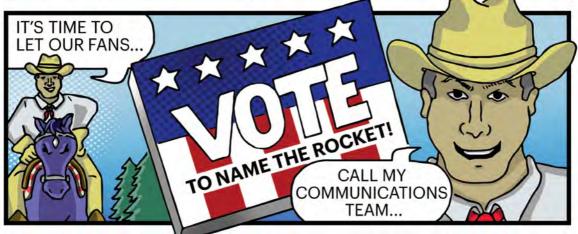


TRAVEL ABROAD!

With so many places in the galaxy to travel, why stop at LEO? Check with your Trajectory Agent today for flights departing from a launch complex near you!

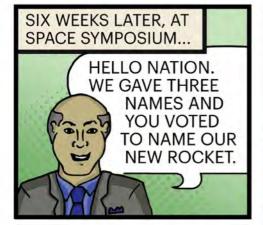














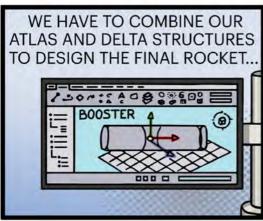










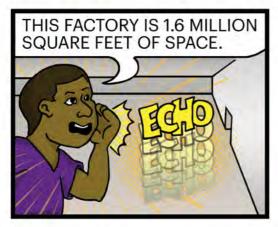


THEN AT THE SYSTEMS LEVEL, WE WORK WITH TEAMS OF ENGINEERS TO TEST EVERY PART AND LINE OF CODE TO MAKE SURE IT ALL WORKS TOGETHER... IT REALLY IS ROCKET SCIENCE. WE HAVE TO DO IT RIGHT...

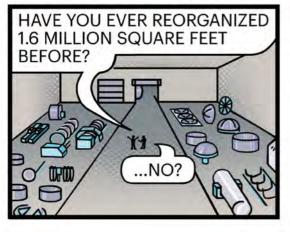




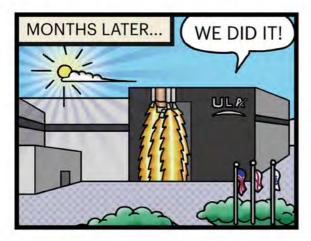


















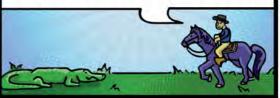








IT'S BEEN GREAT TO KEEP LAUNCHING SPACECRAFT WHILE STILL MAKING A NEW ROCKET. INDIGO, THE LAUNCH PAD NEEDS TO HANDLE VULCAN AS WELL...







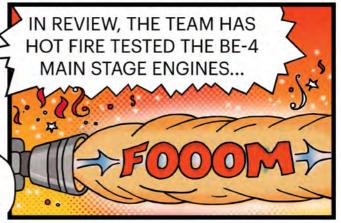


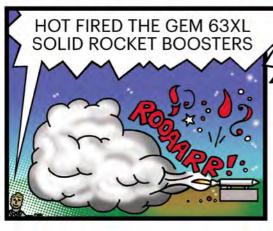










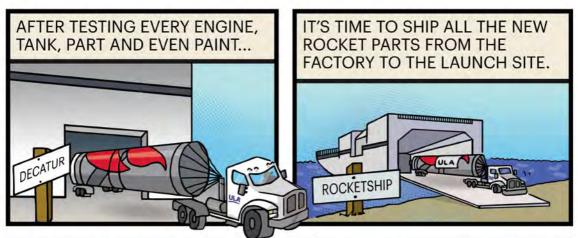


AND WE'VE SELECTED THE RL10 ENGINE FOR OUR SECOND STAGE, JUST LIKE ATLAS AND DELTA.

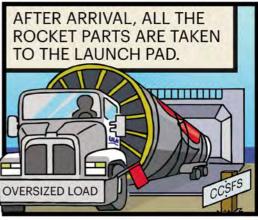






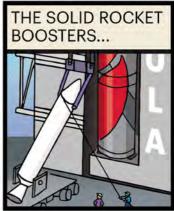




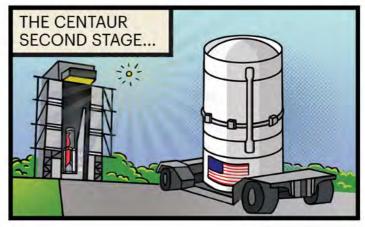


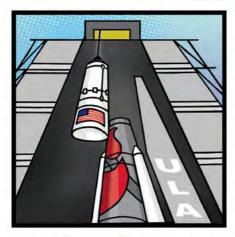


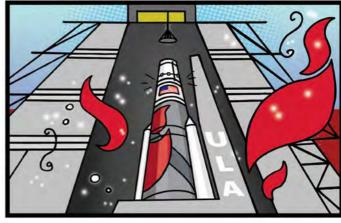




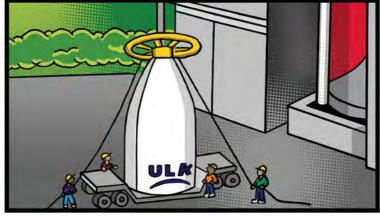




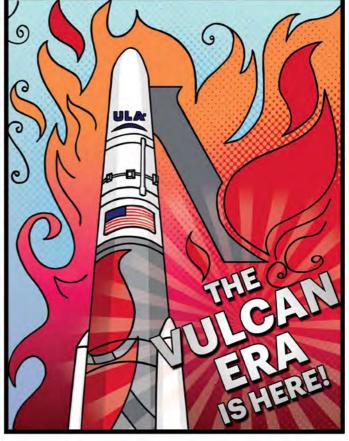


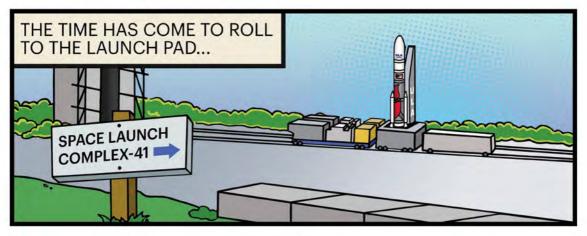


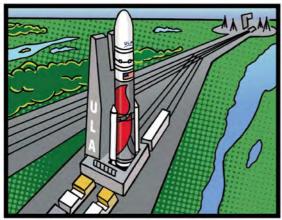


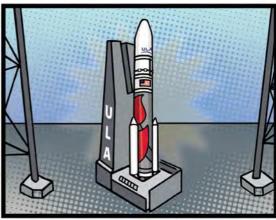


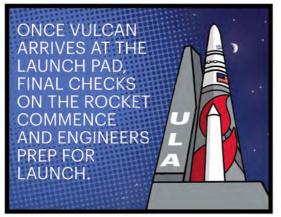




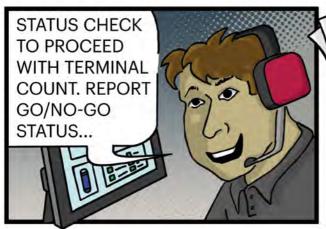


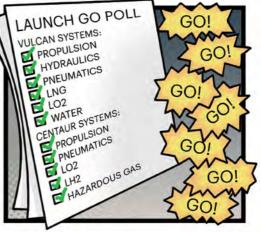








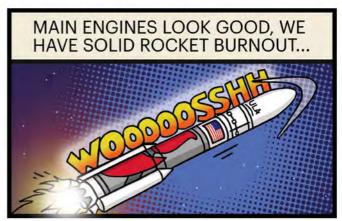


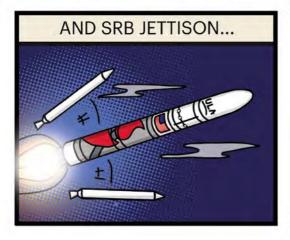


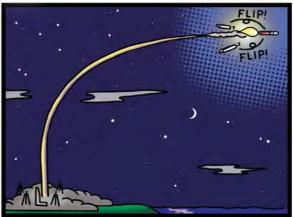


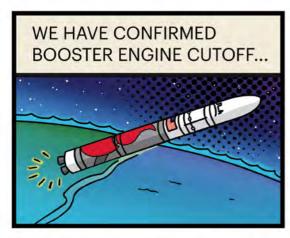


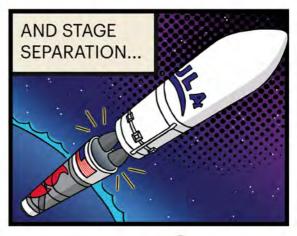


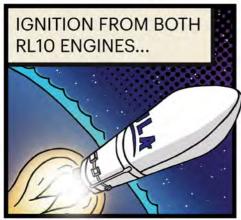


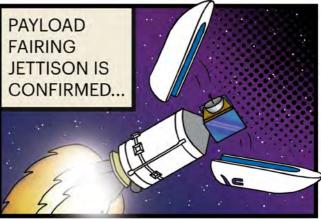


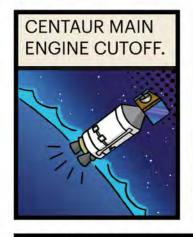






















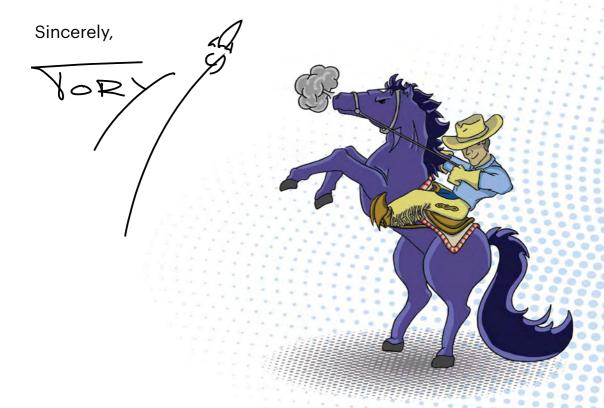
To our team, our customers, our friends and future rocket scientists—thank you!

We couldn't have made it here without you. From design and assembly on the manufacturing floor to launching into orbit and following along online—in whatever way you've been involved in this journey, big or small, you are a part of the Vulcan origin story!

American ingenuity and an unrivaled commitment to mission success have long been at the heart of this organization. ULA's heritage has been the backbone of American space launch for decades, enabling our nation to protect and improve life on Earth and journey to deep space to expand our knowledge of the universe. Vulcan leverages what we've learned from more than 120 combined years of launch experience with Atlas and Delta—knowledge we continue to build on every day—to usher in a new era of space launch and further advance America's superiority in space.

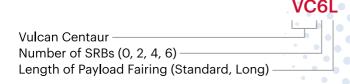
Thank you for sharing in our enthusiasm and joining us on this ride as we chart a path forward to transform the future of space launch.

Go Vulcan! Go Centaur! Go ULA!

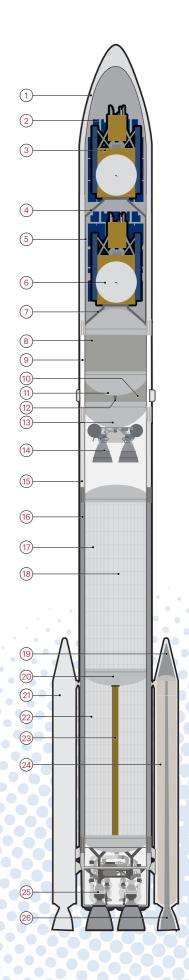


CUTAWAY VIEW

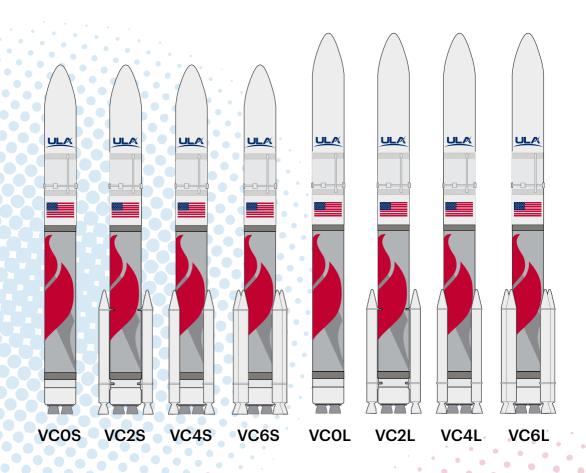
- 1. Payload Fairing
- 2. Fairing Acoustic Panels
- 3. Spacecraft
- 4. Forward Payload Attach Fitting
- 5. Multi-Launch Adapter
- 6. Spacecraft
- 7. Aft Payload Attach Fitting
- 8. Centaur Fuel (LH2) Tank
- 9. Centaur
- 10. Centaur Oxidizer (LO2) Tank
- 11. Common Bulkhead
- 12. Centaur Fuel (LH2) Feedline
- 13. Centaur Aft Bulkhead
- 14. Centaur Engine (RL10)
- 15. Interstage Adapter
- 16. Booster
- 17. Booster Oxidizer (LO2) Tank
- 18. Orthogrid Structure
- 19. Nose Cone
- 20. Common Bulkhead
- 21. Solid Rocket Booster (SRB)
- 22. Booster Fuel (Methane) Tank
- 23. Booster Oxidizer (LO2) Feedline
- 24. Solid Rocket Propellant
- 25. Booster Engine (BE-4)
- 26. Solid Rocket Booster Nozzle



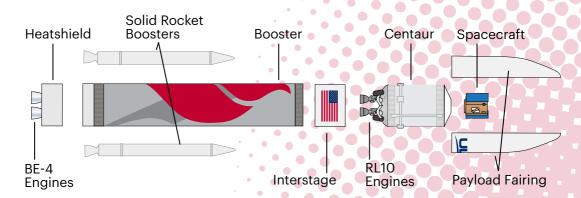
Shown in Multi-launch Configuration



CONFIGURATIONS



EXPANDED VIEW



EXAMPLE FLIGHT PROFILE

