Overview
Spacecraft need thorough testing before they fly, and that requires reproducing the space environment on the ground, faithfully and rigorously.

At Vencore, it all starts with understanding the mission. Proper testing and integration can ensure that something that works down here will also work up in space. We have the highest clean room expertise for testing all types of robotic spacecraft.

Vencore provides a suite of solutions for simulating a space environment and testing essential technology through the Environmental Test and Integration Services (ETIS) contract.

This includes:
- Environmental testing – thermal, vacuum chamber, structural, electromagnetic, space simulation
- Mechanical integration
- Advanced manufacturing
- Recertification
- Optical integration
- Facility acquisition or modification, facility maintenance, clean room operations and contamination control
- Development of electrical cable harness and thermal blankets
- Engineering and computer systems management
- Procurement, logistics and equipment/property control

When human life, large investments, and irreplaceable assets are on the line, environmental testing and integration reduce the unknowns. And when the unexpected happens during a mission, reproduction of the space environment helps show the way to mission assurance.

Why Vencore
An independent, innovative defense and security technology solutions provider, Vencore's legacy of customer intimacy and proven performance continues in our globally honored technological capabilities and solutions. We have a long record of working with government customers to provide: microgravity research, development, and operations; independent verification and validation for evolved expendable launch vehicles; environmental test and integration; expendable launch vehicle integrated support (ELVIS); information management and communications; and systems engineering and integration.