

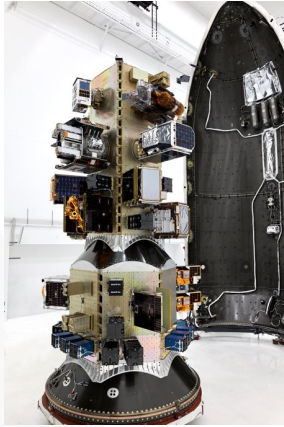
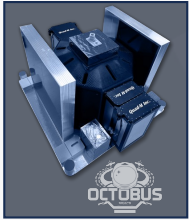
SEOPS Update | Q2 2025

End-to-End Space Access And Mobility



SEOPS

RESPONSIVE SPACE SOLUTIONS AND SERVICES SINCE 2018



Most Flexible Options for Space Access and Experienced Integration Team

- Rideshare & Dedicated Launch Vehicles / All Destinations.
 - LEO, GTO, Cis-Lunar, Lunar.
 - Pre-purchased Capacity and Multi-Launch Agreements in place.
- SEOPS excels in payload aggregation and integration for USG customers.
 - TS-SCI Cleared team for management and integration.
 - Adherence to the highest standards of mission assurance, security and data protection.

Flight Qualified and Flexible Advanced Hardware Solutions

- TRL 9 Hardware: Proven, on-orbit systems provide reliable deployment solutions.
- Next-Gen Hardware: Keystone Separation System and Orbital Transfer Vehicles ensure reliable access and superiority in space.

Provide Early Mission Design and Consultation for Mission Success

- Comprehensive mission planning and tailored to enhance mission success rates and optimize costs.
- Strategic guidance from design to deployment, ensuring efficient and effective mission execution.

Multiple Government Contract Vehicles – Excellent Pricing:

- NASA VADR (Prime), GSA (No Ceiling), DoD STP, NASA JSC IDIQ, and NRO RODIO

SEOPS
SPACE

SEOPS | Q2 2025 Highlights

Meeting Access Needs - Rideshare & Dedicated Capacity

- LaunchLock Program
- Growing LVP Partnerships
- Regular Cadence Rideshare (Pre-purchased Cubesat and Microsat Locations)
- Dedicated GTO (2028)

Alliances Win Wars – New Partnerships

- **Maverick Space Systems** : Expands integration & test facilities, fills capacity, & extends access to US-made dispensing hardware and cleared personnel
- **ISISPACE**: Extends global reach and options, provides insight on international business intelligence
- **Benchmark Space Systems**: (MOU) Use of TRL 9 and New Propulsions Systems (S/C and Upper Stage)

R&D Progress – Low Cost, Reliable Systems

- Keystone Sep System | 8' 15" 24" 32"
 - Low Cost | Rapid Production Timeline

Coast to Coast Facilities – Ease of Integration

- R&D: Gidding TX, Processing: Vandenberg, CA, Cape Canaveral, FL; Manufacturing: Detroit, MI

SPACEX

STOKE



FIREFLY
SPACE SYSTEMS

INTUITIVE
MACHINES

MAVERICK
space systems

ISISPACE

SEOPS
SPACE

SEOPS | LAUNCH CAPACITY

DARKSTAR – 1 | *GTO Rideshare*
&
LaunchLock Program



GTO RIDESHARE

BY **SEOPS** via SPACEX FALCON 9

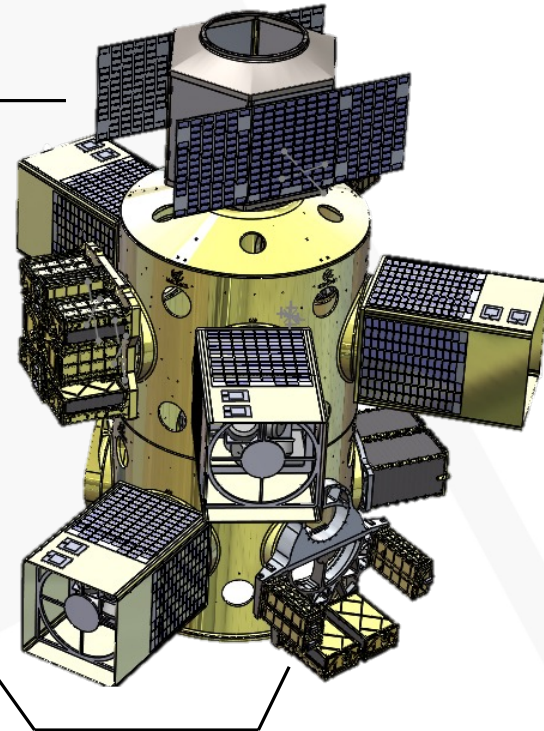
LAUNCHING H2: 2028

Nominal Configuration

- (1x) Cake Topper
- (10x) XL Port Equivalent
- Dual Port Adaptor Available

Initial Orbit Parameters

- Perigee Altitude: 300 ± 15 km.
- Apogee Altitude: $35,786 \pm 360$ km.
- Inclination: $27.6 \pm 0.1^\circ$.



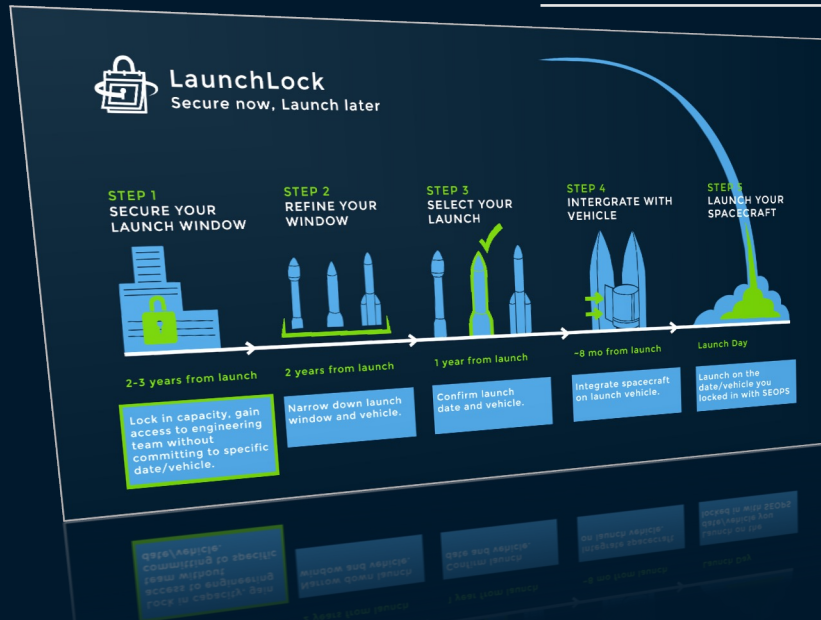
SEOPS and Maverick Space partner to offer the 1st ever GTO rideshare mission.

[Contact us](#) to reserve your spot, today!

SEOPS
SPACE

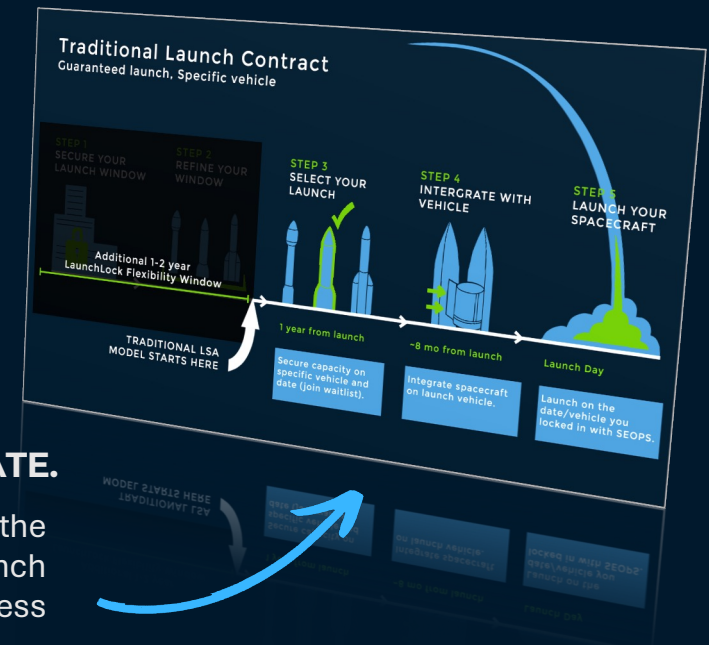
LAUNCHLOCK: MAXIMUM FLEXIBILITY WITH MINIMUM RISK.

Designed for those who need more flexibility, time, and assistance, this launch model provides a 3-year advance window to secure a launch and valuable early access to integration engineers.



TRADITIONAL: A SPECIFIC VEHICLE AND LAUNCH DATE.

For those who have confidence in spacecraft readiness and know the launch vehicle and date they want to fly, SEOPS provides traditional Launch Service Agreements (LSAs). These are efficient and streamlined but are less flexible and carry possible financial penalties if delays precipitate.



SEOPS + BENCHMARK

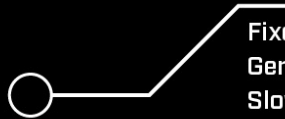
Anywhere. Any Orbit. On Your Schedule.



SEOPS.space



Train is like
Rideshare



Fixed Schedule, Fixed Stops
Generalized Drop-Off
Slow Last-Mile



Bus is like
an OTV



Limited Flexibility
Group Delivery
Heavy Spacecraft



Car is like
Kickstage Delivery



Full Autonomy
Direct Delivery
Fast, Flexible, Scalable



+



ENABLING DIRECT-TO-ORBIT MOBILITY FOR EVERY SATELLITE.

FROM SHARED TRANSIT TO

PERSONAL SPACE MOBILITY

Like the automobile revolutionized terrestrial travel, SEOPS + Benchmark's autonomous kickstage unlocks true orbital freedom — letting spacecraft choose when and where they deploy.

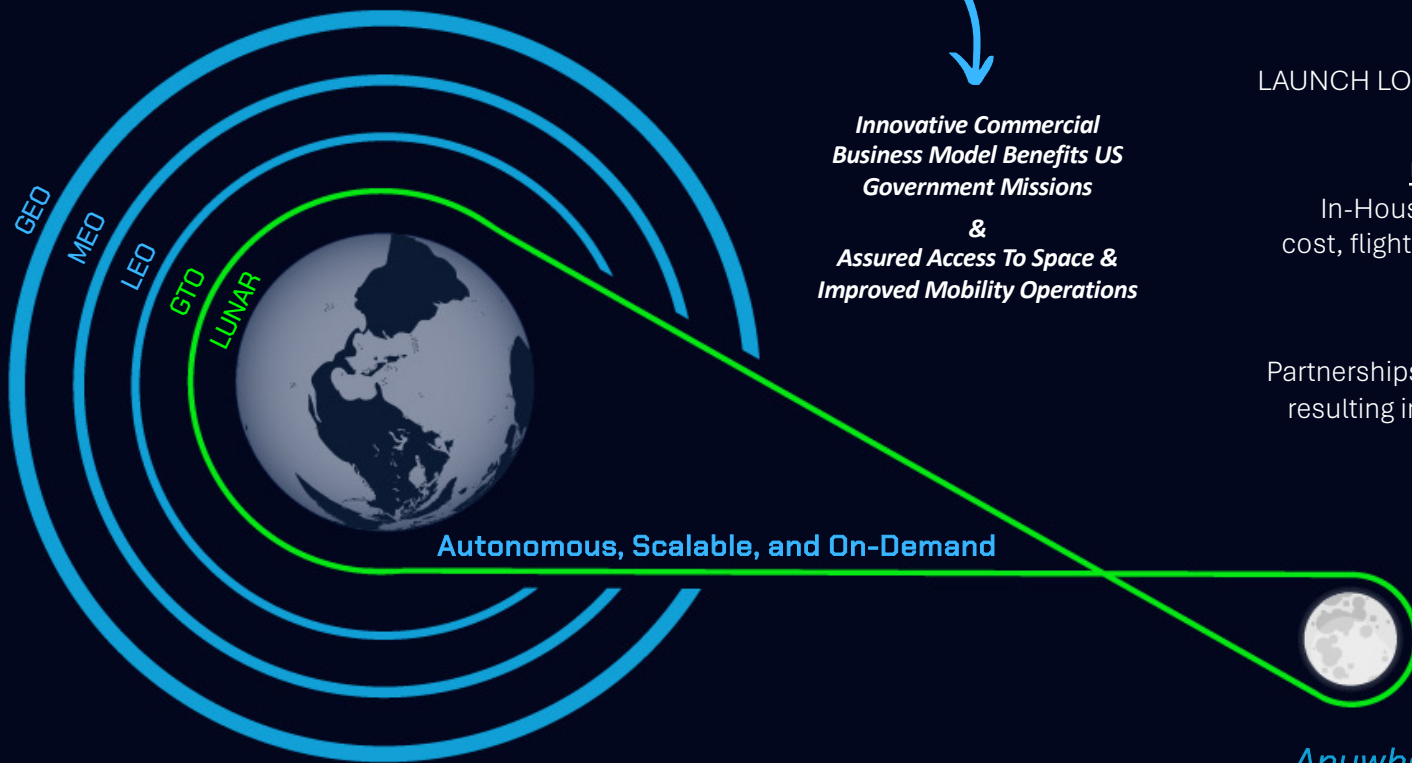


SEOPS.space

A NEW ERA OF SPACE MOBILITY



+



*Innovative Commercial
Business Model Benefits US
Government Missions*
&
*Assured Access To Space &
Improved Mobility Operations*

ENABLES TRUE POINT-TO-POINT IN SPACE

Modular kickstage gets payloads to custom orbits beyond LV or OTV drop-offs

CAPTURES CUSTOMERS EARLIER

LAUNCH LOCK - Maximum flexibility/Minimum Risk: 3-Yr launch window & engineering support

ONE STOP SHOP FOR MISSION SUCCESS

In-House H/W development & manufacturing for low cost, flight qualified deployers, separation systems, and adapters

ALLIANCES WIN WARS

Partnerships with Maverick Space Systems and ISI Space resulting in more capacity, facilities, technical expertise and flight proven hardware



SEOPS.space

Anywhere. Any Orbit. On Your Schedule.

A NEW ERA OF SPACE MOBILITY

Autonomous, Scalable, and On-Demand



Traditional Rideshare

Orbital Transfer Vehicle

Pinpoint Delivery via Kickstage

Autonomous Orbital Delivery

ENABLES TRUE POINT-TO-POINT IN SPACE

Modular kickstage gets payloads to custom orbits beyond LV or OTV drop-offs

CAPTURES CUSTOMERS EARLIER

LAUNCH LOCK - Maximum flexibility/Minimum Risk: 3-Yr launch window & engineering support

ONE STOP SHOP FOR MISSION SUCCESS

In-House H/W development & manufacturing for low cost, flight qualified deployers, separation systems, and adapters

ALLIANCES WIN WARS

Partnerships with Maverick Space Systems and ISISpace resulting in more capacity, facilities, technical expertise and flight proven hardware

Assured Access To Space & Improved Mobility Operations

Innovative Commercial Business Model Benefits US Government Missions



SEOPS.space

Anywhere. Any Orbit. On Your Schedule.

HARDWARE AND FACILITIES UPDATE

KEYSTONE SEP SYSTEM

OCTOBUS

DEEPHOLD

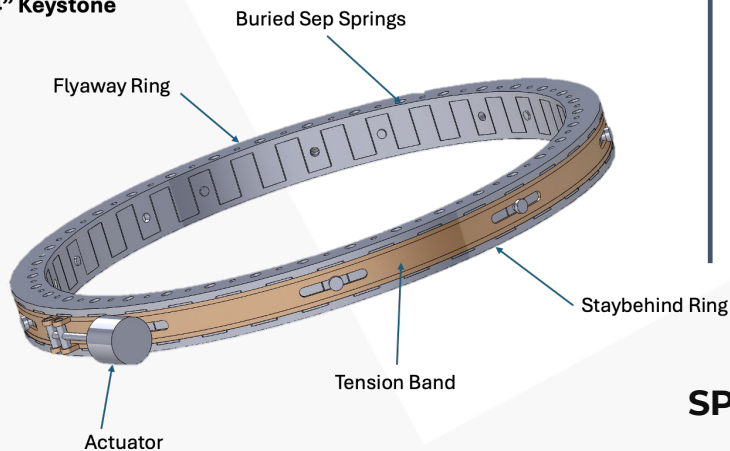
SEOPS and Partner Facilities



KEYSTONE SEP SYSTEM

A game-changing approach to satellite separation, simplifying deployment while enhancing reliability and reducing costs.

24" Keystone



Simplified Design //

Comprising only four main parts - Flyaway Ring, Stay-behind Ring, Compression Band, and Release Mechanism.

Simplified Operation //

Simplified mating/de-mating functionality for increased strength and reduced risk.

Cost-Effective //

Economical alternative to traditional systems, offering significant savings without compromising on quality.

TECHNICAL SPECIFICATIONS

Sizes Available: 8" | 15" | 24" ring configurations

Lead Time: As little as 2 months for delivery

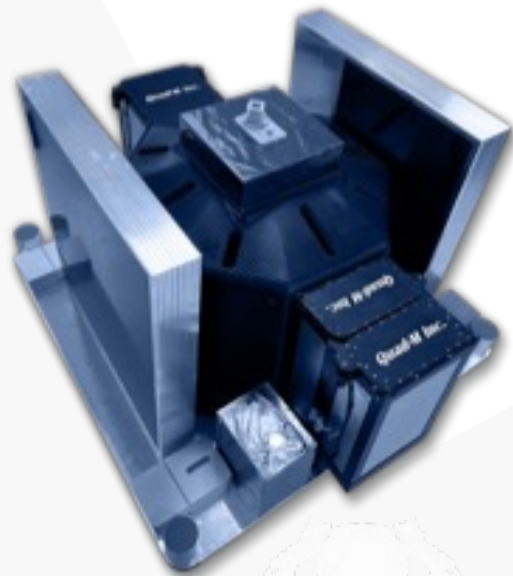
High Capacity Design: Maximizes available mass for the spacecraft

Resettable Release Mechanisms: Allows for repeatable testing

American Made: Ensuring compliance with ITAR regulation

OctoBus OTV

Simple Solutions, Sophisticated Results



Encapsulation for Secure Payloads //

Reduces the need for excessive testing by creating a stable, low-vibration environment for sensitive payloads.

Standardized Interfaces //

Universal mechanical and electrical interfaces, supporting quick integration of a wide variety of subsystems tailored to each mission.

Rapid Deployment Capabilities //

Designed for multi-orbit and multi-phase operations with a reduced need for individual payload testing, accelerating mission readiness.

Cost-Effective //

Built on the proven OctoBucket platform with low-cost manufacturing and increased payload capacity, offering unmatched value.

TECHNICAL SPECIFICATIONS

Payload Capacity: Supports up to 200kg.

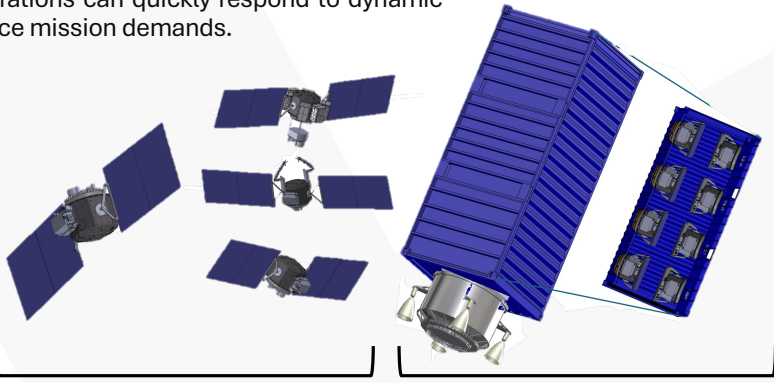
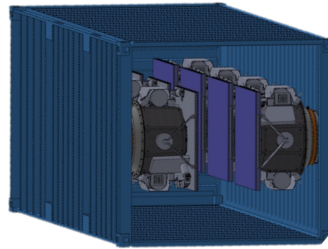
Launch Vehicle Compatibility: Designed for integration on standard 24" ports, adaptable to various launch vehicles including SpaceX Starship and smaller LVs like Pegasus.

Flight-Ready: Demo Mission in 2026-2027.

DeepHold System | Pre-positioned Storage On-Orbit

WHAT IS DEEPHOLD?

Leveraging modular space capabilities and vehicles like Starship, DeepHold enables customers to pre-position up to eight OctoBus platforms in orbit. This system allows for flexible spacecraft configurations and supports rapid deployment and activation of stored assets as needed, ensuring both defense and commercial operations can quickly respond to dynamic space mission demands.



01. Build and Configure OctoBus or other spacecraft required

02. Launch, store, maneuver up to 8x prepositions OTVs / SVs

\\ Key Capabilities //

Modular Storage System: Supports up to eight OctoBus platforms for scalable, on-demand asset deployment.

Pre-positioned Orbital Assets: Allows for rapid deployment of mission-critical assets, reducing response time for both defense and commercial missions.

High-Energy Propulsion (HELS): Powered by a high-energy monopropellant system, enabling sustained orbital operations and repositioning.

Launch Vehicle Compatibility: Integrates seamlessly with heavy-lift vehicles like SpaceX's Starship for large-scale storage and deployment.

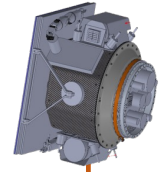
Rapid Asset Activation: Enables immediate activation and deployment of stored payloads, offering unparalleled mission flexibility.

\\ Applications //

Defense: Prepositions satellites, fuel, and critical assets for rapid tactical deployment and orbital resilience.

Commercial: Provides orbital storage and logistics support for satellite servicing, in-space manufacturing, and constellation deployments.

PATHWAY THRU OCTOBUS



\$1.9M DEMO MSN

QUAL CORE SYSTEMS

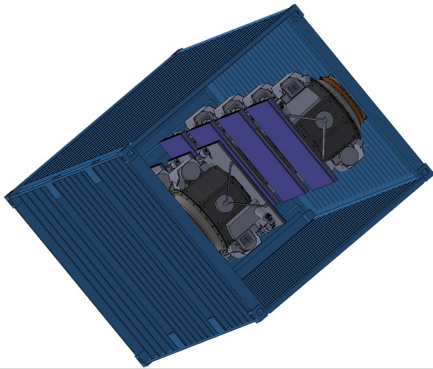
BENCHMARK MOU

LEO 2027

LEVERAGE TRL-9 COMPONENTS

SEOPS
SPACE

DeepHold System | Strategic Space Logistics Deployment Sequence



1. Launch Integration

- Modular container system
- Up to 8 OctoBus platforms
- Standardized Starship interface

2. Initial Orbit

- Automated separation sequence
- Initial health & status checks
- Container stabilization

3. Storage Configuration

- Long-duration power mode
- Thermal stabilization
- Asset monitoring

4. Alert Activation

- Secure command validation
- Rapid system activation
- Mission plan upload

5. OTV Deployment

- Selective asset deployment
- Safe separation verification
- Mission initialization

6. Mission Execution

- Independent OTV operations
- Container maintaining readiness
- Additional asset availability

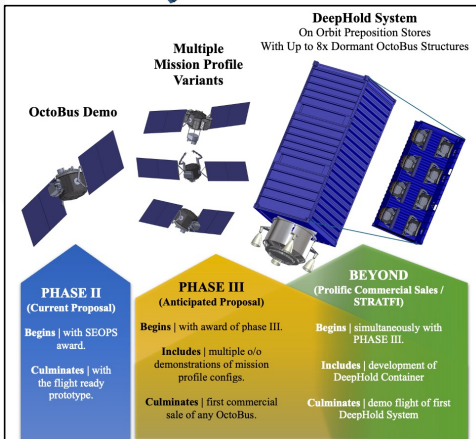
Rapid Response:
 < 24 hrs

Multiple Asset
 Storage

SpaceX Starship
 Compatible

Extended On-
 Orbit Life

Multi-Mission
 Capable



SEOPS
 SPACE

STRATEGIC FACILITIES | SUPPORTING END-TO-END SPACE SOLUTIONS



ALLIANCE PARTNER FACILITY VAFB, CA



- 10,000 sq. ft. facility in San Luis Obispo for full-stack missions with room for ~40 employees.
- Dedicated cleanroom space for flight builds and satellite processing.
- 18-foot crane hook height and 3-ton crane for ESPA-class satellite handling.
- 35,000 lbf vibration table for payload testing to SpaceX rideshare standards.
- In-house Haas VM-3 and VM-6 CNC machines for streamlined hardware production.
- Coordinate Measuring Machine (CMM) and 3D printer for prototyping and precision verification.
- In-house electrical harness fabrication for integration support.
- Turn-key launch integration and test services for customers.
- Break-over fixturing for ESPA-class satellites.



SEOPS R&D FACILITY GIDDINGS, TX



- Dedicated R&D facility with a Class 100,000 (Class 8) cleanroom for hardware prototyping.
- In-house 3D printing and prequalification testing capabilities.
- Equipped with state-of-the-art modeling tools for hardware design and simulation.
- Includes minimum operational equipment to support on-orbit satellite operations if required.

EXCLUSIVE MANUFACTURING PARTNER FACILITY DETROIT, MI

SEOPS HEADQUARTERS NASHVILLE, TN

SEOPS INTEGRATION FACILITY CAPE CANAVERAL, FL



- Florida-based offsite cleanroom with Class 100,000 (Class 8) certification.
- Facility dimensions: 12' wide x 16' long x 9' high, with 17' and 21' ceiling heights.
- Temperature and humidity-controlled environment for optimal system handling.
- 75 air exchanges per hour ensure clean and controlled conditions.
- Located within 45 minutes of vibration testing facilities for 24" ESPA-class payloads.
- Integrated vibration testing and post-test storage for seamless launch integration.
- Minimized shipping and handling of flight assemblies to reduce risk.
- Environment-controlled transport available for secure logistics.
- Close proximity to SpaceX PPF (20-minute drive).
- Streamlined support for assembly, vibration testing, storage, and integration.