Sierra Space Overview

Dr. Janet Kavandi, President

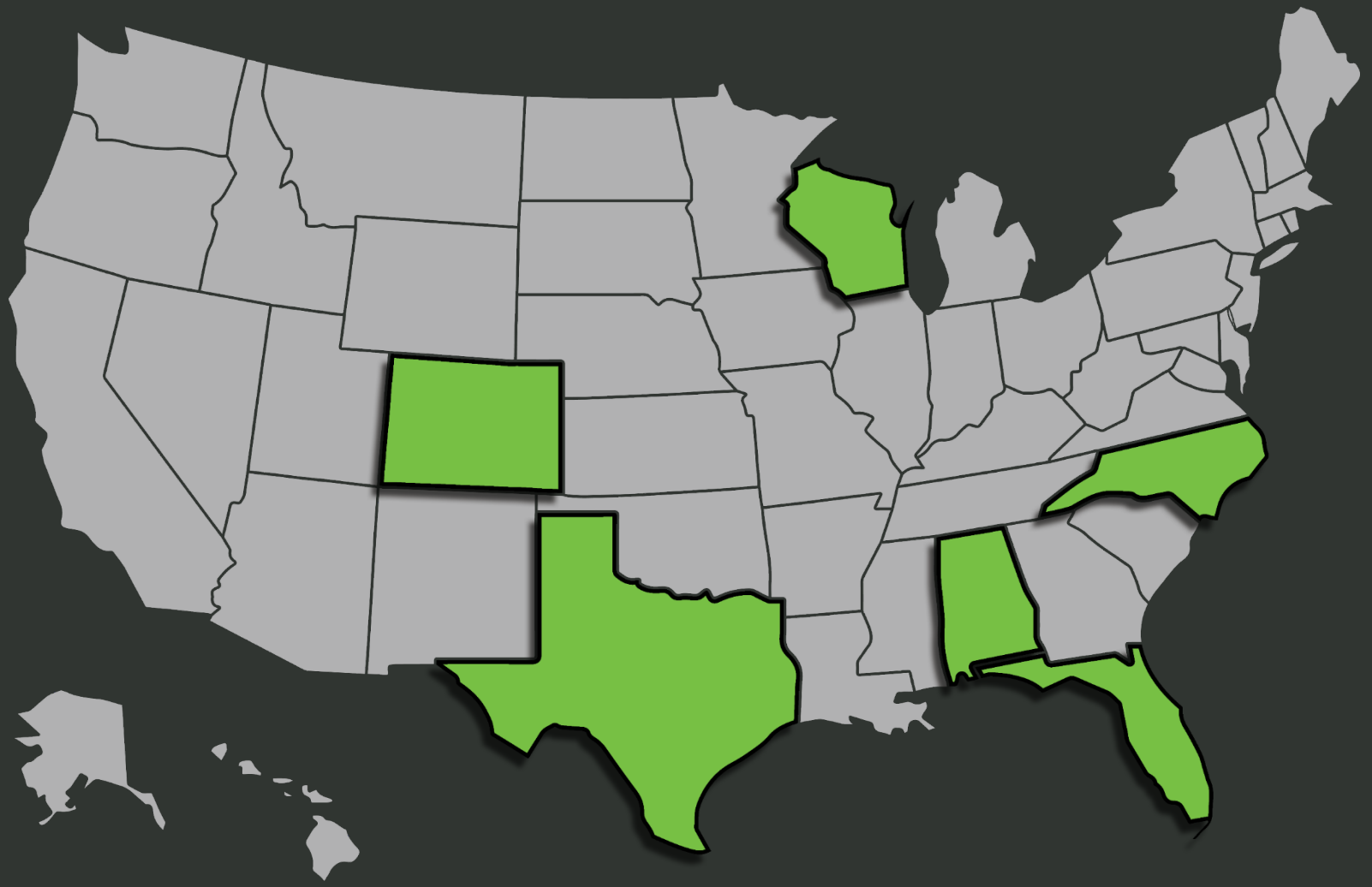
WARNING: Exports, sales, and offerings of the products and technologies discussed herein are subject to U. S. Government approval.

Sierra Space Overview

- **Established in 2021through a carve-out of Sierra Nevada Corporation's (SNC) Space Systems Business Area**
  - Better position for success in commercial space
  - All product lines, personnel, and contracts under SNC Space Systems transferred to Sierra Space
  - Over 1,000 people and a multi-$B backlog of contracts
- **30+ years of proven spaceflight heritage**
  - Have provided more than 4,000 space systems, subsystems and components to customers worldwide
  - Have participated in over 500 missions to space, including Mars
- **Leveraging breakthrough technologies such as:**
  - *Dream Chaser*® spaceplane
  - Expandable *LIFE*® habitat
- **Offers Space as a Service (SPaaS) Business Model**
  - Shift in the way products and services are provided, where Sierra Space provides the products and services needed by a customer to utilize space according to their needs without owning the infrastructure

Sierra Space Locations

- Colorado
- Wisconsin
- North Carolina
- Florida
- Texas
- Alabama



Full Capability Facilities For Space Manufacturing and Mission Operations

- Fully integrated production, test and inspection capabilities
- >200,000 square feet of dedicated manufacturing and test space
- Facility partnerships with NASA and launch providers at Kennedy Space Center
- Best-in-class automation and manufacturing capabilities
- Multiple large-scale test facilities to support development

State-of-the-Art Mission Control Center

Taylor Production Facility (>30k sq ft)

Louisville Production and Test Facility (>100k sq ft)

WHY SPACE; WHY NOW

Massive trend to commercialize space due to:

Innovation lowering costs of access

Increased dependence on space for U.S. economic growth & security

Increased public sector space investments

NASA desire to hand off the commercialization of LEO to the private sector

DREAM CHASER: THE MOST ADVANCED SPACEPLANE IN THE WORLD

The Only Commercial Runway Capable Spaceplane

15+ *missions per spaceplane*

6+ *tons capacity for pressurized and unpressurized cargo*

1.5 *Gs force upon re-entry*

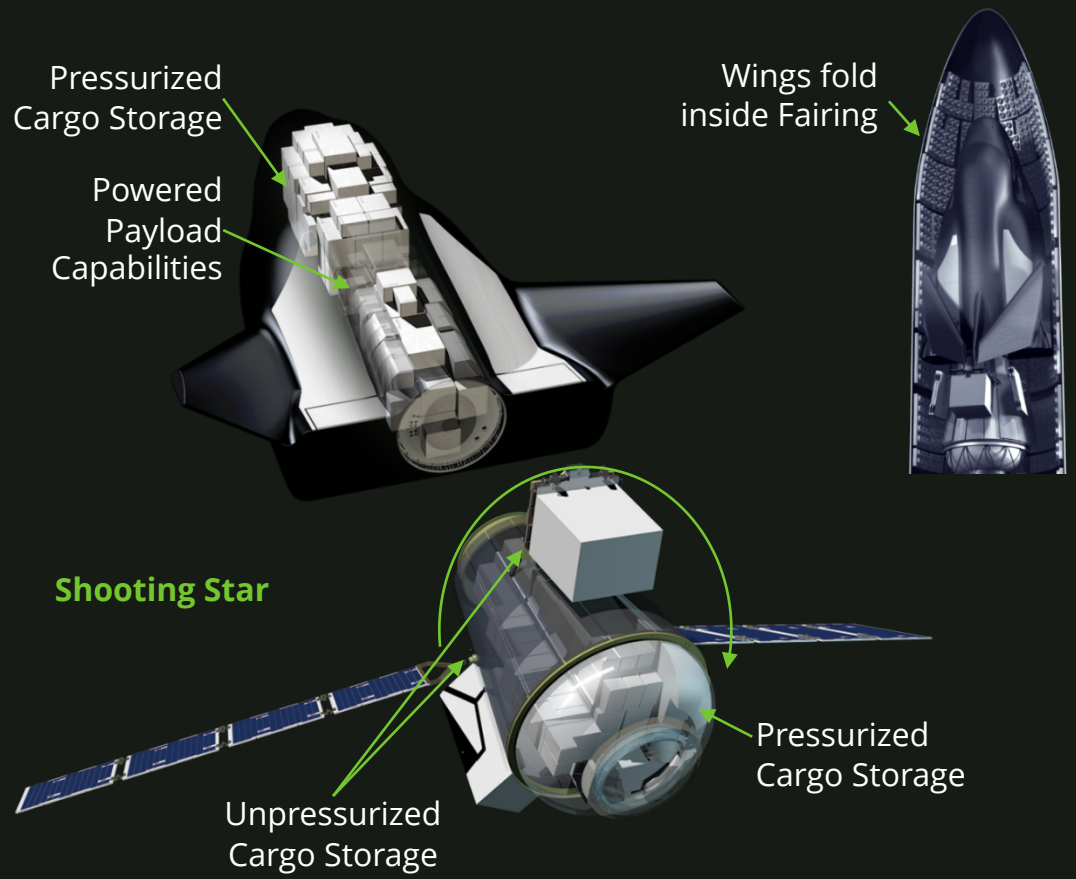
90 *day cycle for re-flight*

7 *missions contracted to ISS on CRS2 contract*

Sierra Space video

SIERRA SPACE

Uncrewed Dream Chaser (DC100)

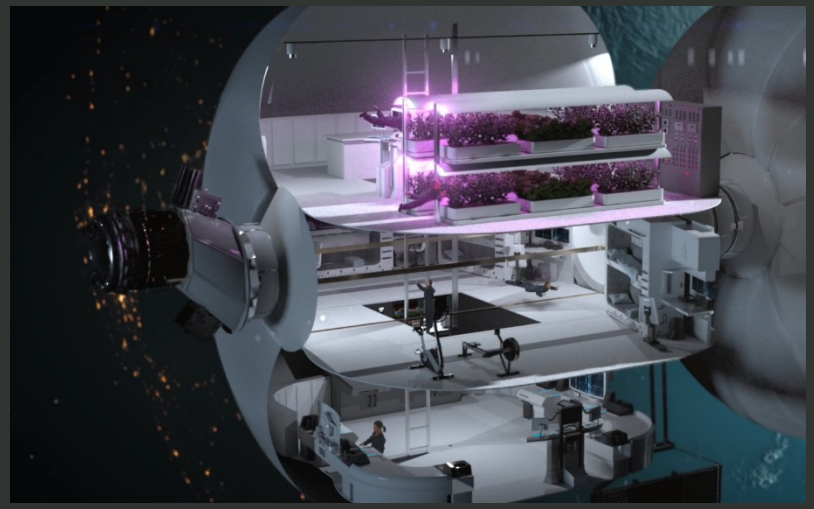


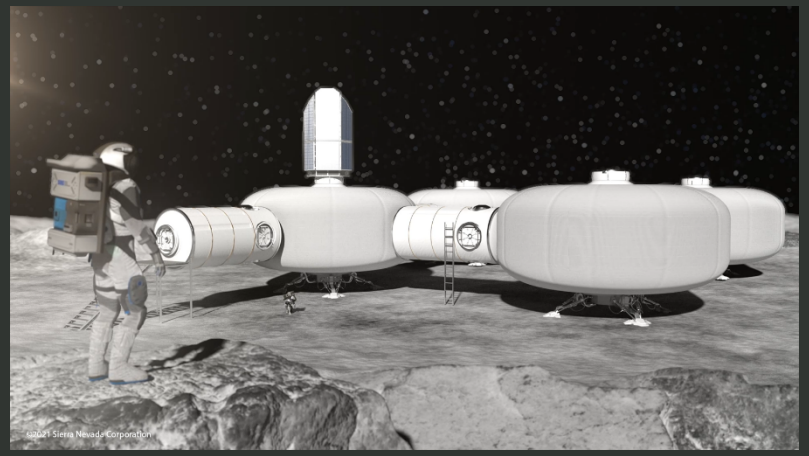
- ✓ Capable of launch from any rocket with 5m fairing
- ✓ Lifting body wing allows for re-entry flexibility vs. pre-positioned capsules

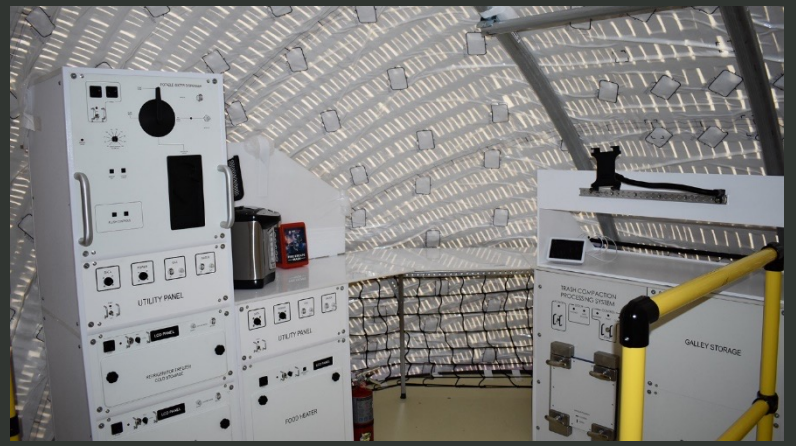
Dream Chaser Spaceplane Variants

DC100	DC200	DC300
2022	2026	2026
Uncrewed (*Emergency Crew Rescue*)	Crewed (6 astronauts)	Uncrewed
LEO	LEO	LEO, MEO, GTO
6+ Tons	1.5 Tons	3.3 Tons
ISS, Habitat, Free Flyer, National Security	ISS, Habitat, Free Flyer, National Security	Commercial, Civil National Security

Space/Surface Stations and LIFE Habitat







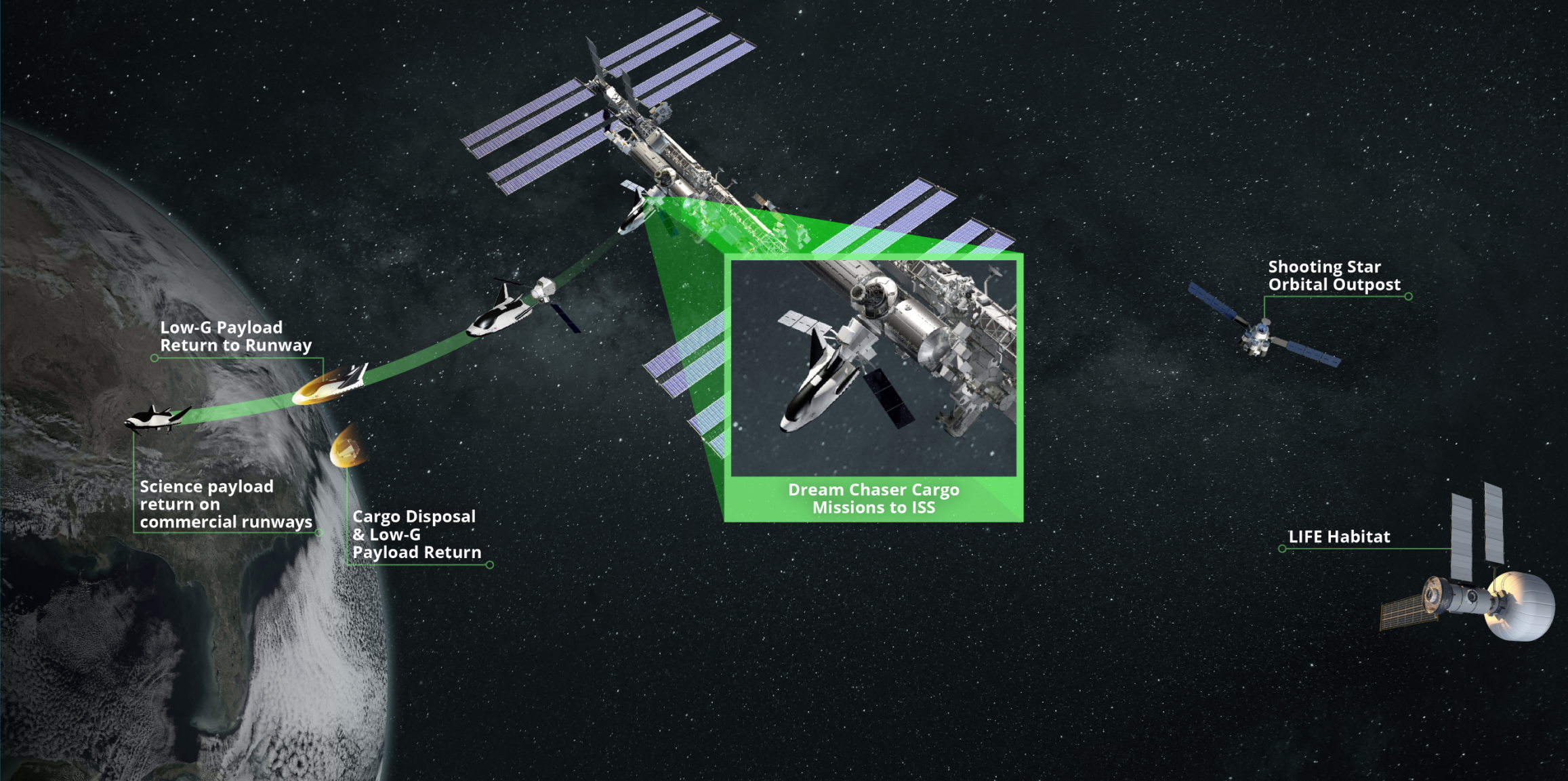
LARGEST AND ONLY EXPANDABLE COMMERCIAL HABITAT IN DEVELOPMENT

Prototype under 2017 NASA contract with applications for LEO, Lunar and Mars

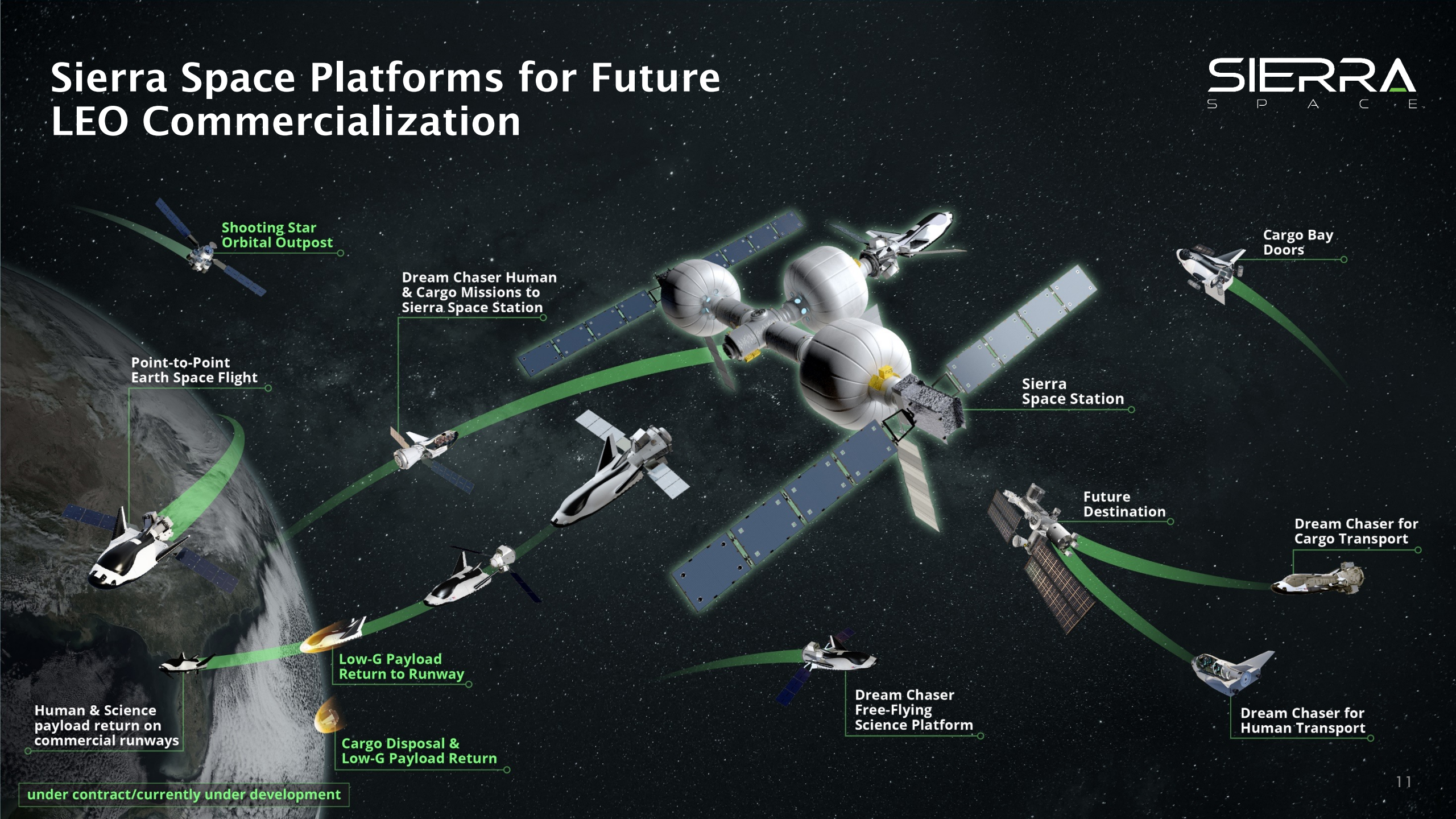
- Multi-mission platform designed for Dream Chaser docking capabilities
- Expandable structure means fewer launches needed to build useful size
- Integrated environmental control and life support systems
- Ample space for experimentation and lunar surface operations:
  - Capable of holding a crew of 12 astronauts
  - 3 stories tall and 27 feet in diameter
- Flexible design meets a variety of commercial uses and supports all functions needed for LEO, Lunar and Mars

Environmental Control & Life Support Systems

LEO SPACE PLATFORMS IN DEVELOPMENT



Sierra Space Platforms for Future LEO Commercialization



under contract/currently under development

ISS ENDS USEFUL LIFE IN 2030 TIMEFRAME

40 launches to orbit
~$1B in annual upkeep[1]

9 launches to orbit
~$0.3B in annual upkeep

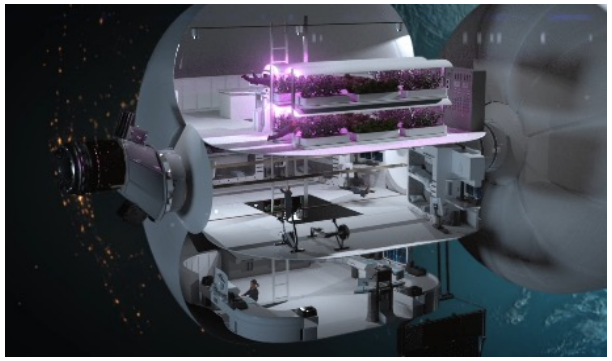
[1] *Excludes costs of crew and cargo transportation.*

Vertically Integrated

Space Transportation, Destinations, Logistics, Enabling Technologies

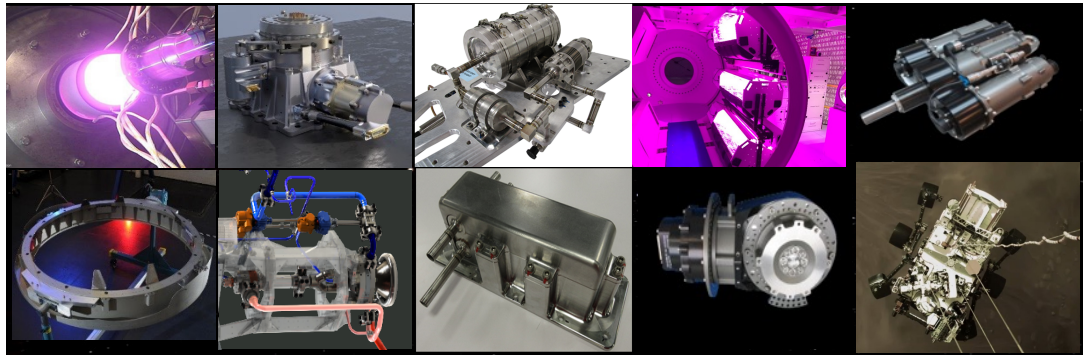
Dream Chaser

Only commercial space plane capable of runway landing Re-usable, versatile space utility vehicles designed for LEO missions



LIFE Habitat

Self-contained, multi-mission environments designed to launch on conventional rockets and expand on-orbit; capable of traveling to the Moon and Mars



Enabling Technologies

Patented Technologies Supporting our Vehicles and Platforms Including Propulsion, Power, Life Support, Docking,, Pointing, Thermal Control and more

70+
Customer Contracts

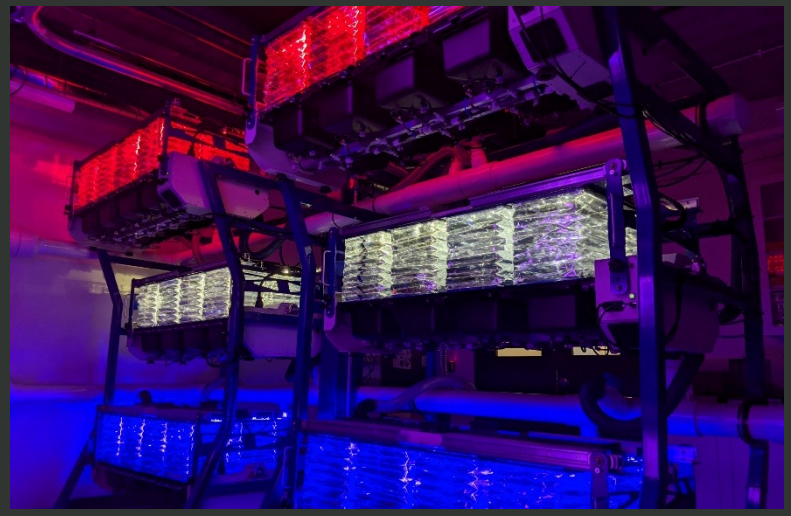
$3B+
Active Contracts

500+
Successful Space Missions Supported

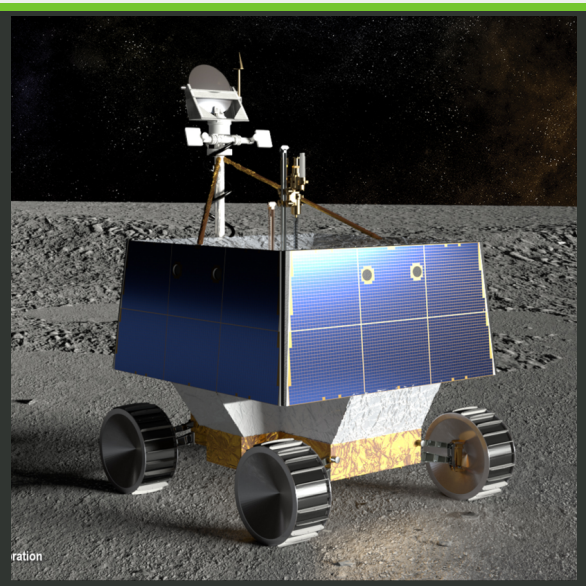
30+
Years of Spaceflight Heritage

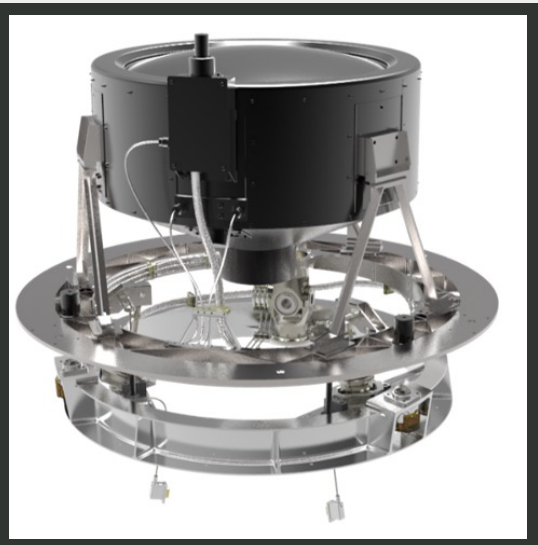
SIERRA SPACE

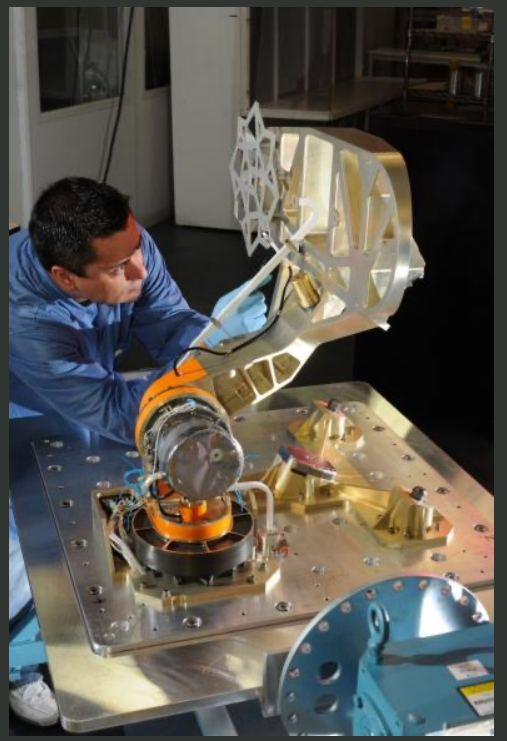
Environmental Systems and Science Payloads

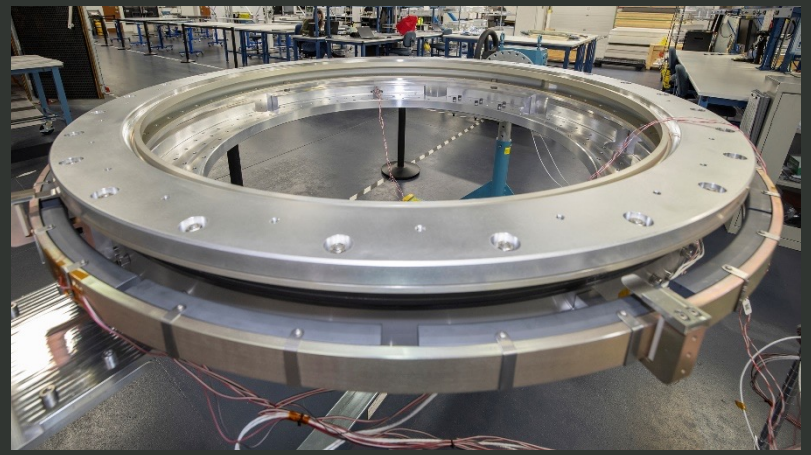


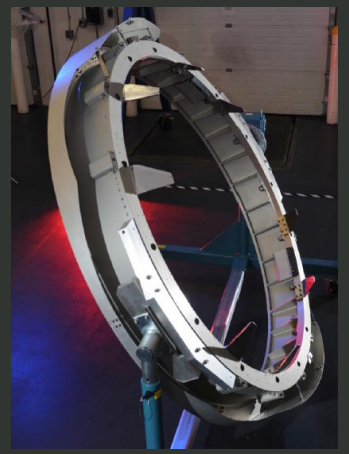
Space Technologies

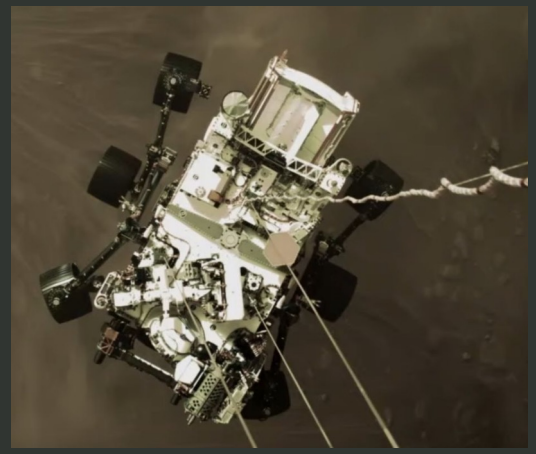




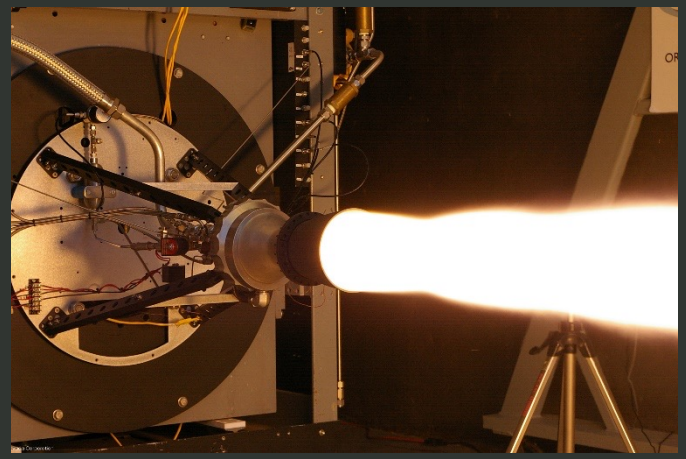


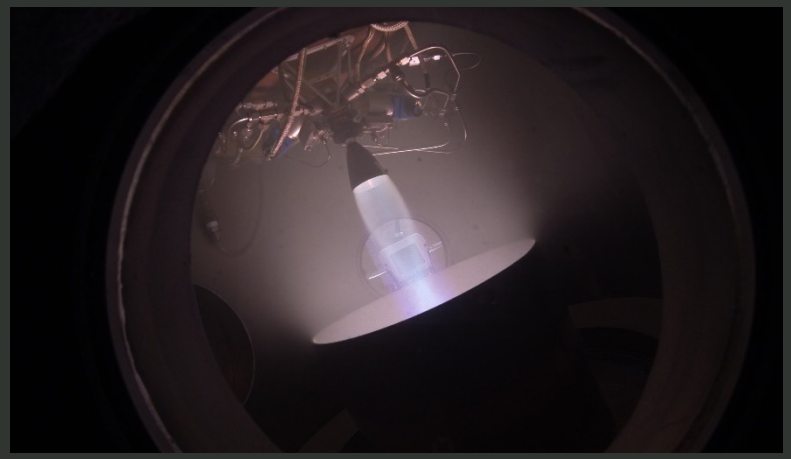


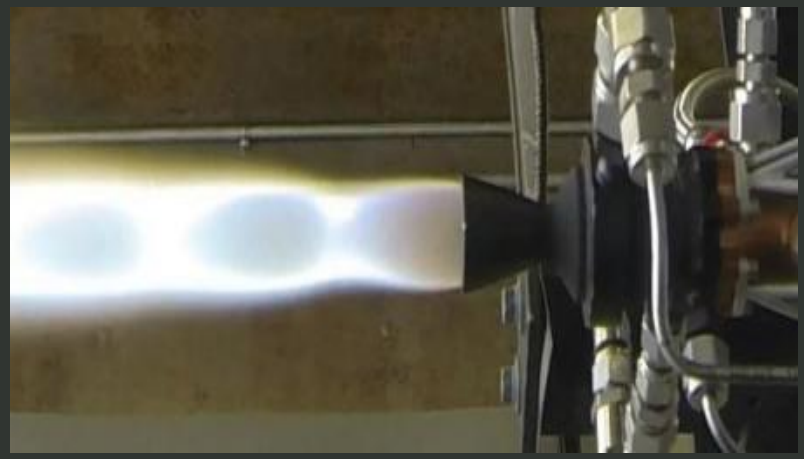




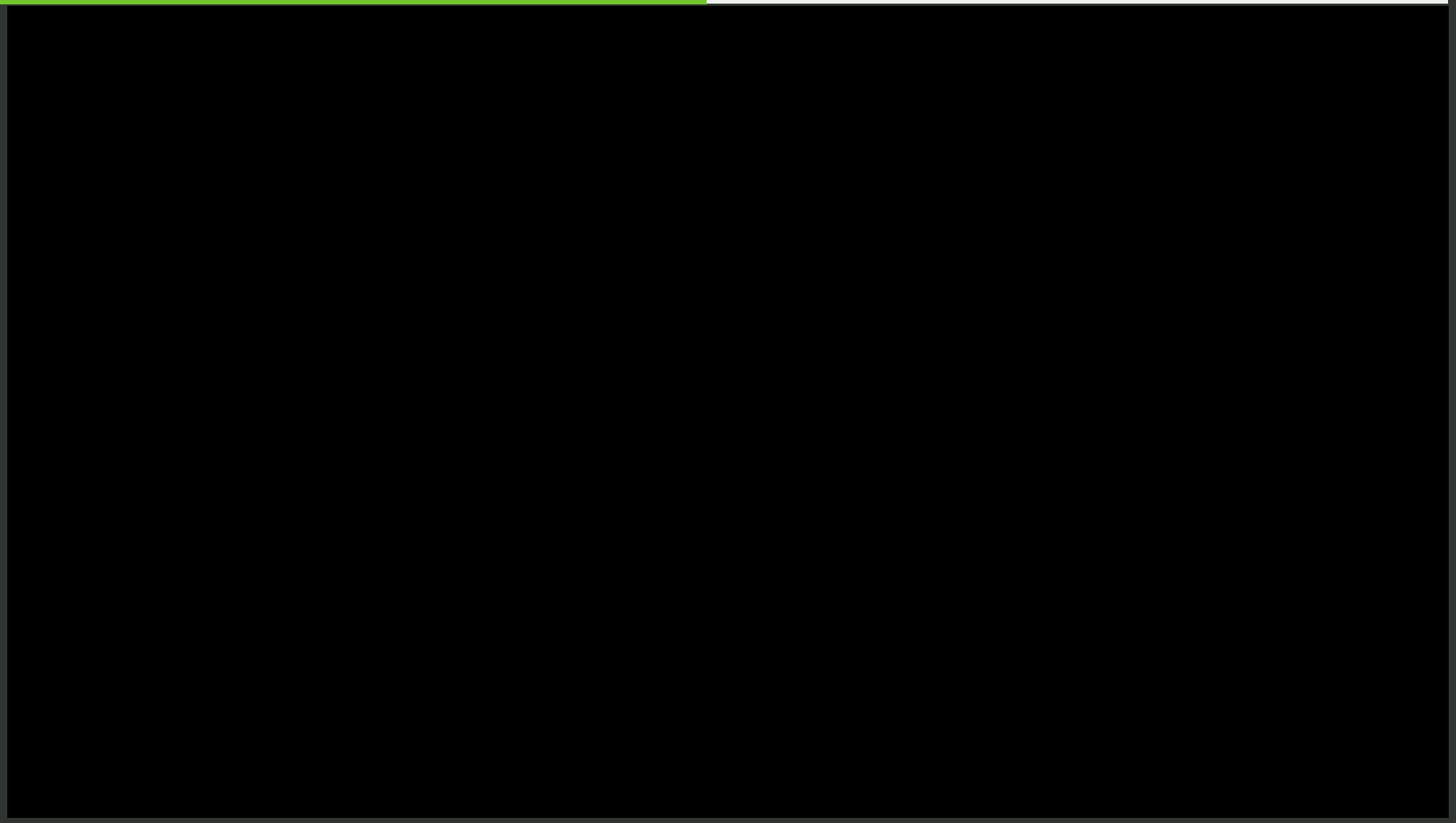
Propulsion Systems







Sierra Space Video



Questions?

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