2023

SIERRA SPACE

Dream Chaser Mission to ISS

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Overview

Company Background

Three Disruptive Commercial Product Lines

One innovative business platform in space

SPACE TRANSPORTATION

- Simplify transportation to and from space
- Target lowest cost cargo and crew in market segment

SPACE DESTINATIONS

- Emerge as the largest real estate developer in space
- Provide infrastructure and services

SPACE APPLICATIONS

- Next generation of differentiated technologies and services
- High-valued earth observation and on-orbit servicing constellations

World Leading Technology and Systems

DREAM CHASER®
Advanced carbon composite highly reusable spaceplane

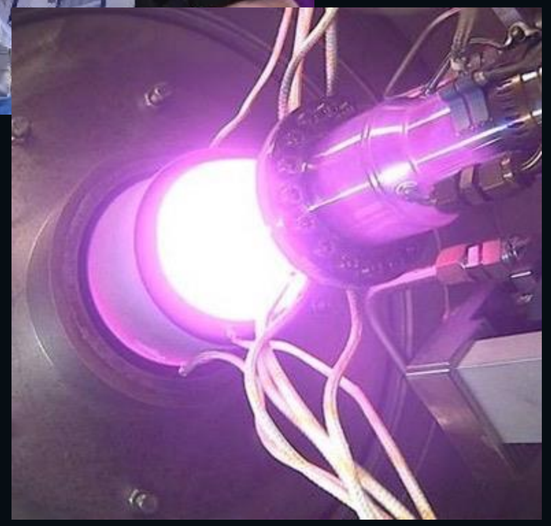
LIFE™ MODULE (LARGE INTEGRATED FLEXIBLE ENVIRONMENT
Expands to over 300 m^3 pressurized volume on-orbit

SHOOTING STAR®
Modular and versatile space vehicle

VORTEX®-COOLED LIQUID ROCKET ENGINE TECHNOLOGY
High combustion efficiency, low manufacturing costs

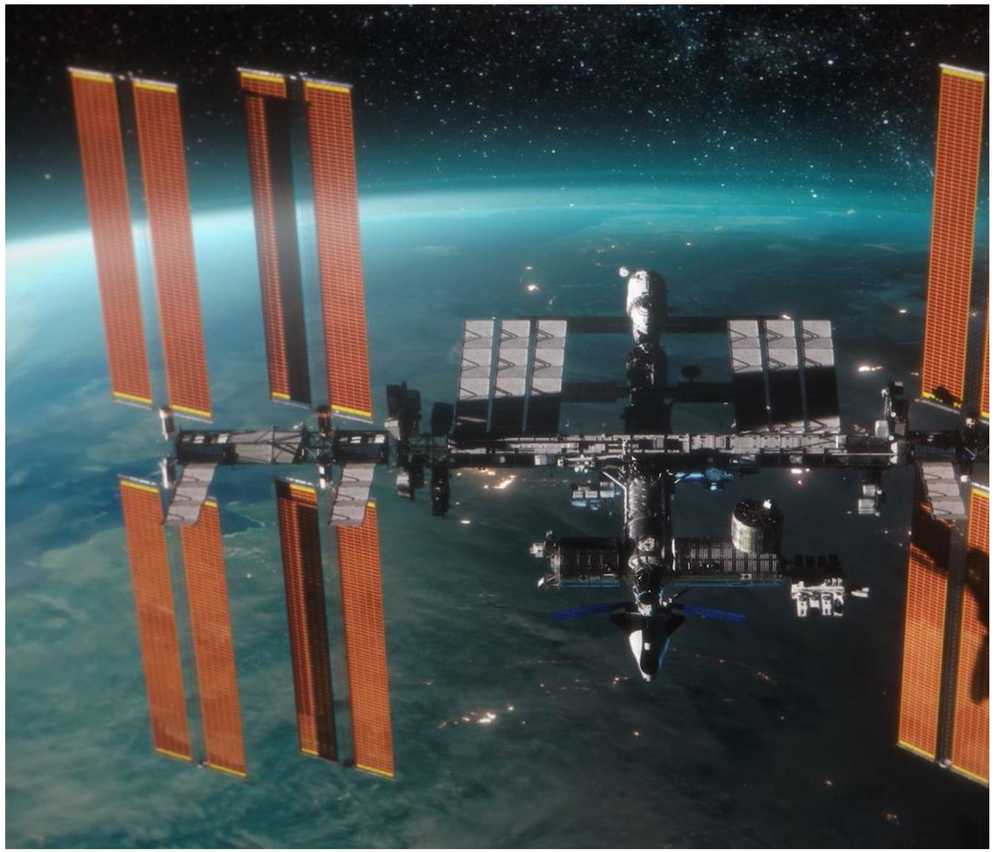
POWER GENERATION
Surface mount solar cell technology offers up to ~40% more power per unit area at significantly lower cost

POINTING AND MOTION CONTROL
Motion solutions that provide high precision pointing for applications such as imaging and laser communications



Mission Overview

NASA Commercial Resupply Services 2 (CRS-2)



NASA resupply missions for the International Space Station begin in 2023

Dream Chaser to provide a minimum of seven cargo service missions to and from the ISS

Can provide up to 5,500 kg of pressurized and unpressurized cargo to the space station

Can return critical cargo at less than 1.5 g’s using a runway landing

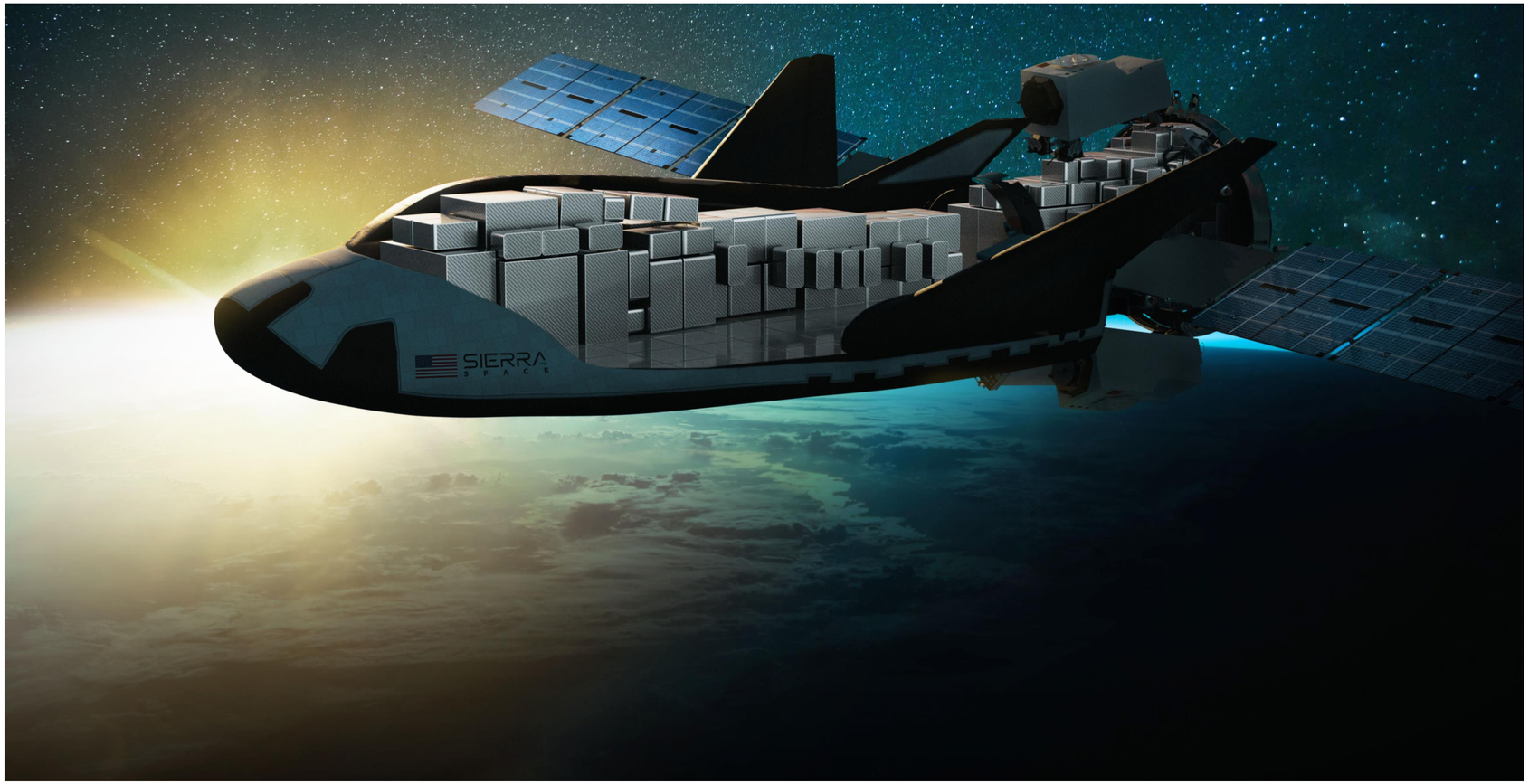
Vehicle Overview

Dream Chaser

The only commercial runway capable spaceplane

15+	6+	1.5	0
Missions – Highly Reusable	**Tons Cargo Capacity**	**Gs Force Upon Re-Entry**	**Toxic Fuels**

Compatible with a wide array of current and future launch vehicles
Designed for high reusability and quick turnarounds between missions



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DREAMS WORTH CHASING™