



The Space Congress® Proceedings

2018 (45th) The Next Great Steps

Feb 27th, 1:30 PM

Sierra Nevada Corporation's Space System

John Roth

VP, Business Development, Sierra Nevada Corporation's Space Systems

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Roth, John, "Sierra Nevada Corporation's Space System" (2018). *The Space Congress® Proceedings*. 18.
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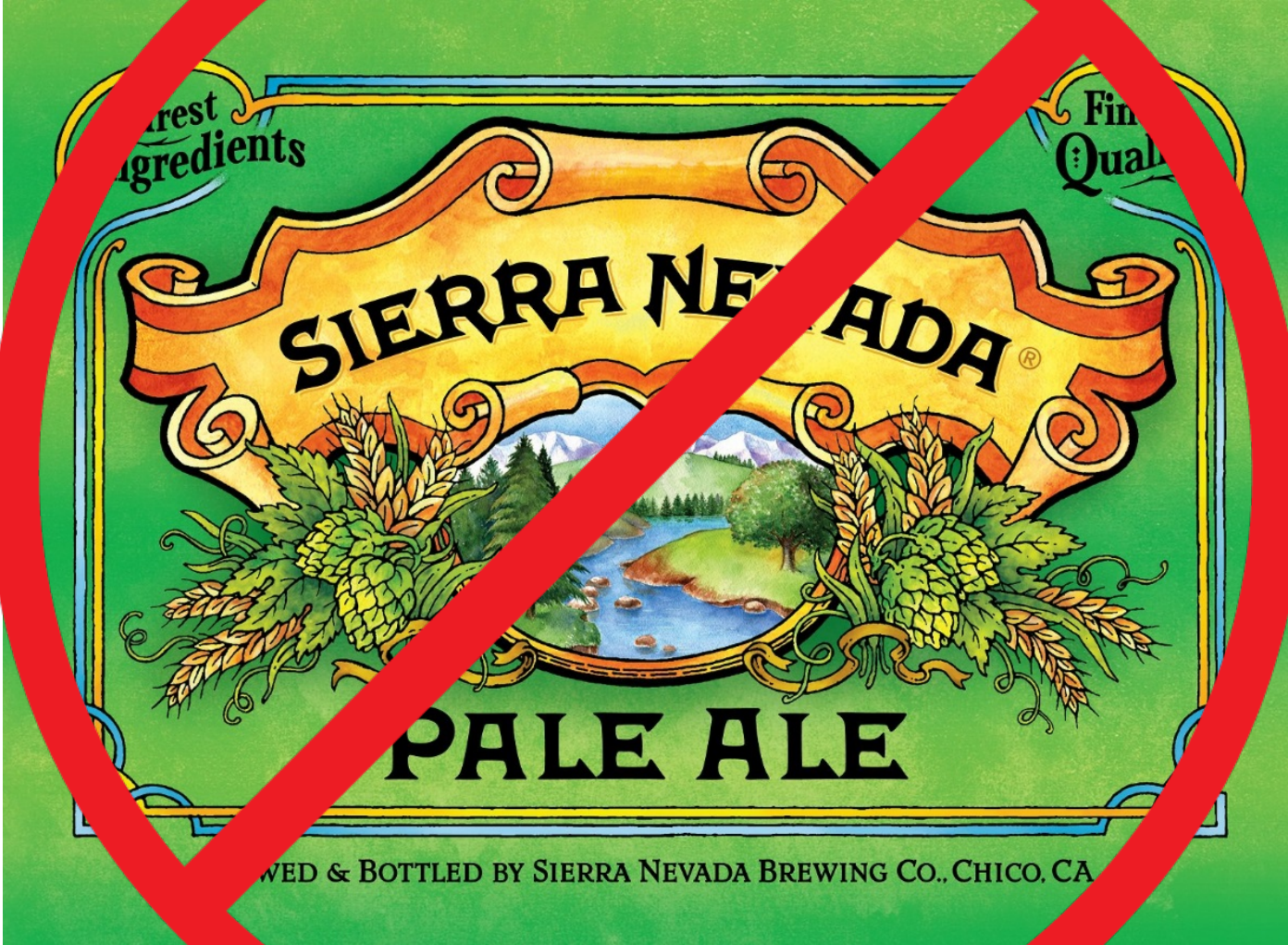


Sierra Nevada Corporation's Space Systems

John Roth

VP Strategy & Business Development

One thing we don't do



Environmental Systems And Payloads



Astronaut Steve Swanson Working with a VEGGIE Unit



**Biomass Production System
with 4 Plant Chambers**



**APH
(Advance Plant
Habitat)**



**NTSAPP
(Non-thermal Sanitation by
Atmospheric Pressure Plasma)**

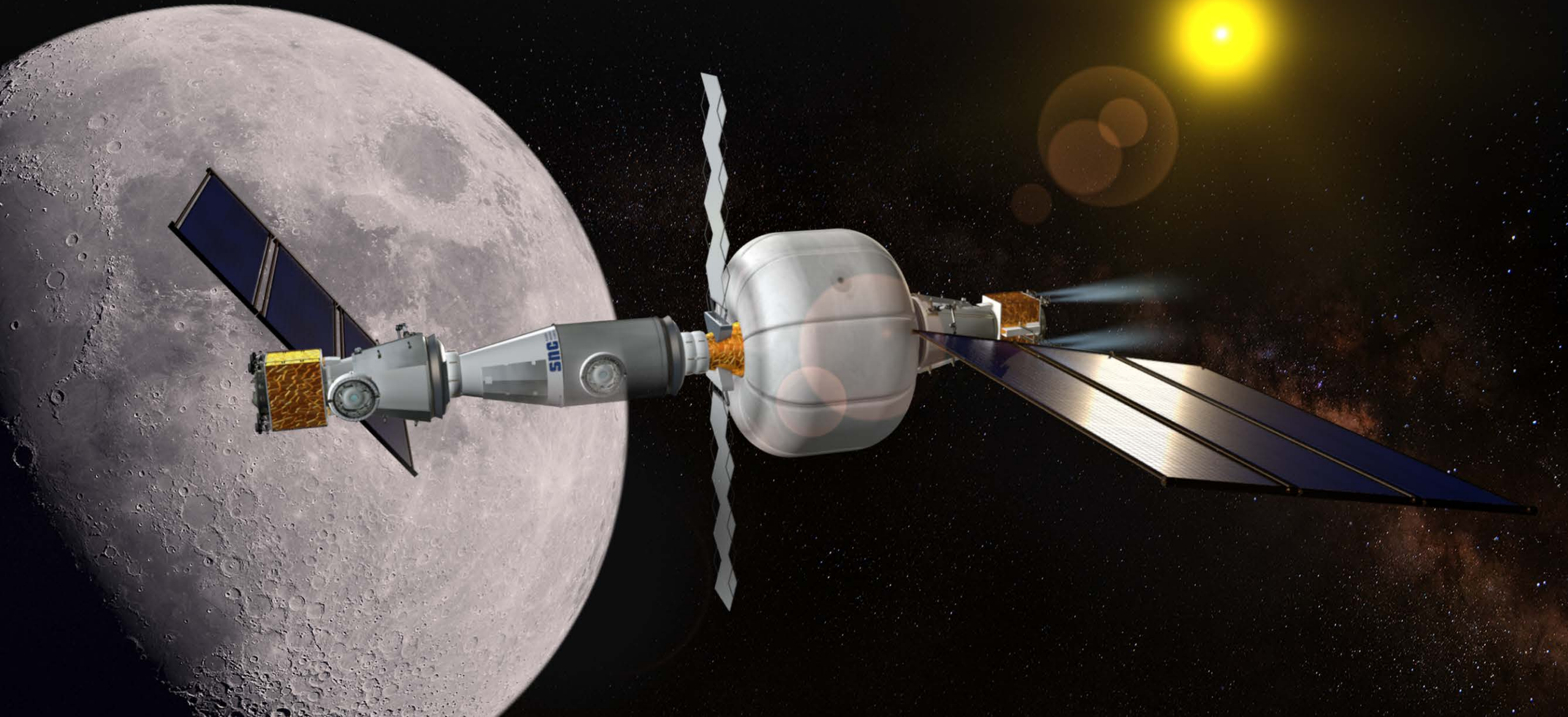


**PMWC
(Plastic Melt Waste
Compactor)
Melt Chamber**

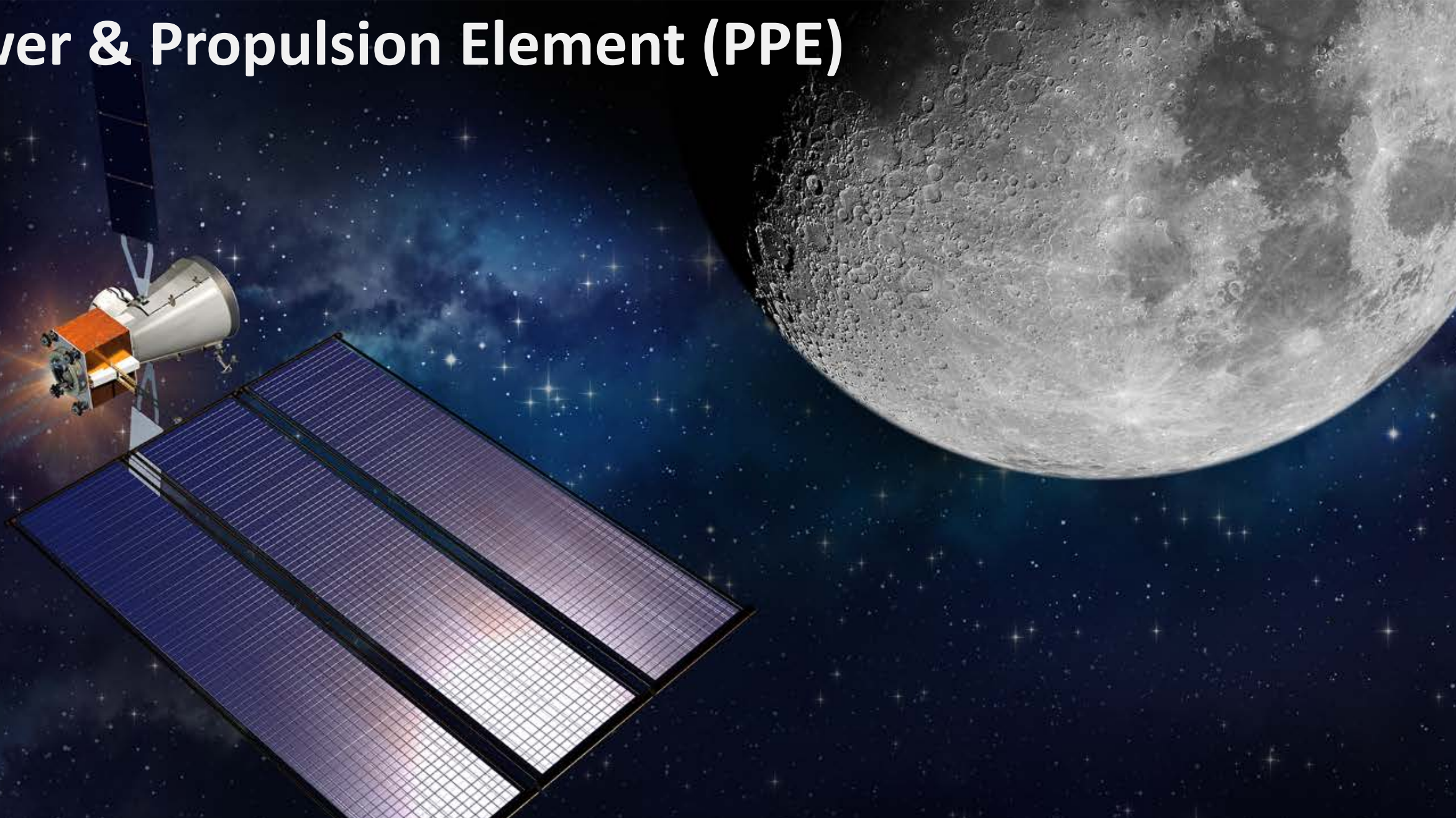
Propulsion Systems

- ACS/RSC
- Upper Stage
- Boosters

NextSTEP-2 Habitat



Power & Propulsion Element (PPE)



Trusted Subsystem Supplier to NASA for Interplanetary and Earth Observation Missions



Current Missions
Mars InSight
Mars 2020
Parker Solar Probe
OSIRIS-Rex

Dream Chaser Cargo System



Flight Video