

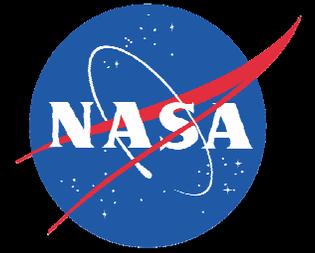
NASA and the Next Space Age



Program Analysis and Evaluation (PA&E)

NASA Headquarters

Dr. Michael Hawes



NASA and the Next Space Age



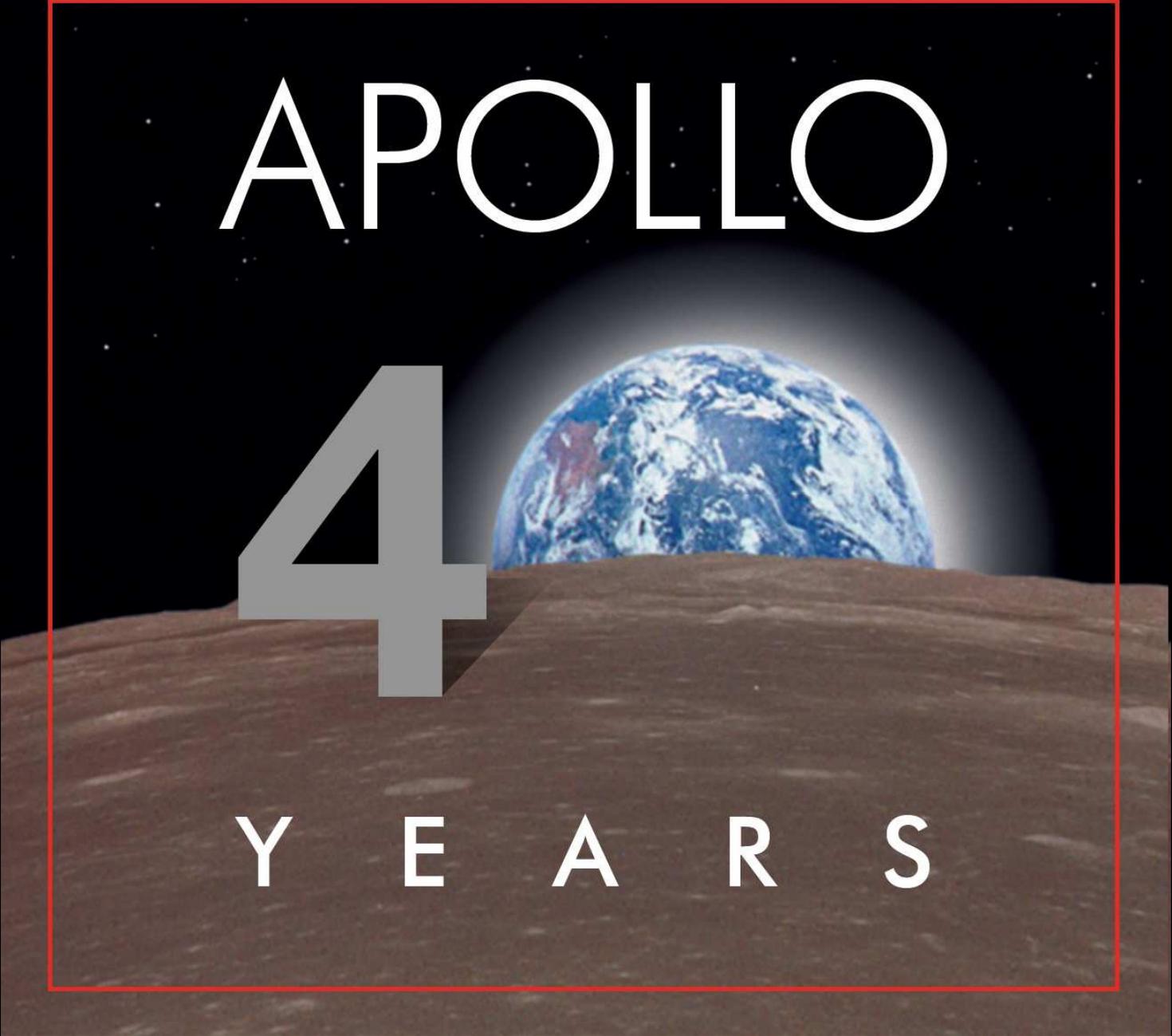
Exploration Systems Mission Directorate

NASA Headquarters

Dr. John Olson

Transitions: Mobile Launch Platform (MLP-1)



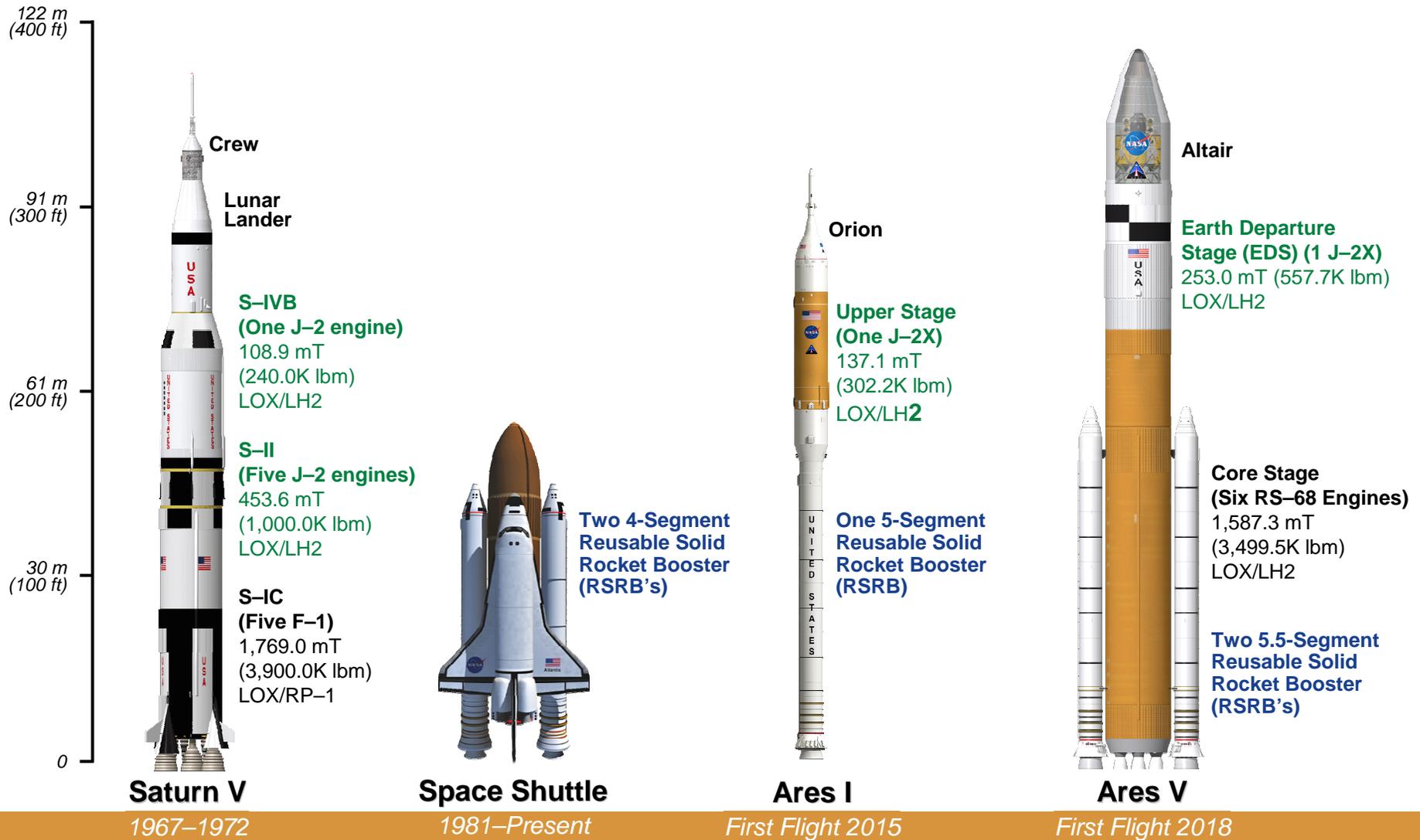


APOLLO

4

YEARS

Building on 50 Years of Proven Experience





2009: A Pivotal Year for Exploration

"The Next Space Age Has Begun"

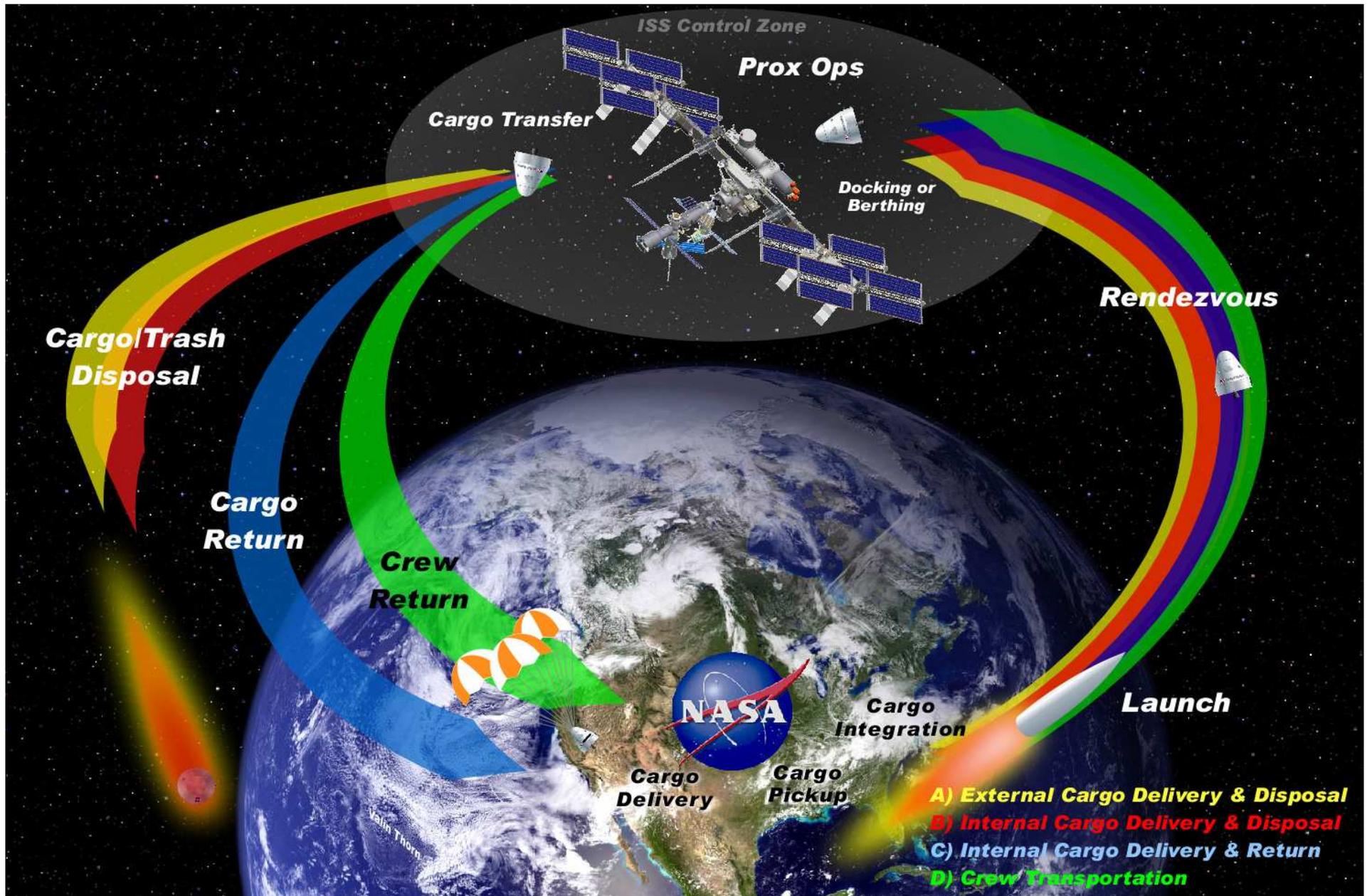


- Development, Test & Operations
- Architecture and Acquisition Planning
- Partnerships: International & Commercial
- Science and Technology Evolution

Global Exploration Driven by a Strategy



NASA Commercial Crew/Cargo Project Commercial Orbital Transportation Services



Global Exploration Strategy



Human Civilization



Scientific Knowledge



Exploration Preparation



Global Partnerships



Economic Expansion



Public Engagement

Why Do We Explore?



- **Inspiration**

- Inspire students to explore, learn, contribute to our nation’s economic competitiveness, and build a better future



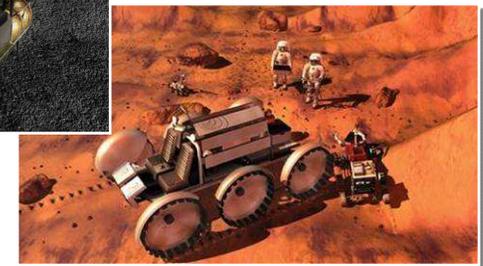
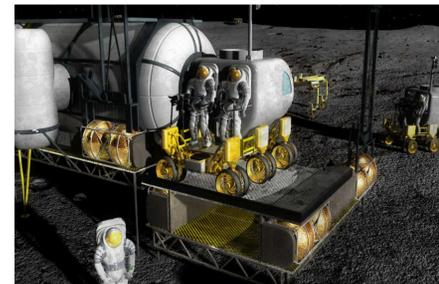
- **Innovation**

- Provide opportunities to develop new technologies, new jobs, and new markets

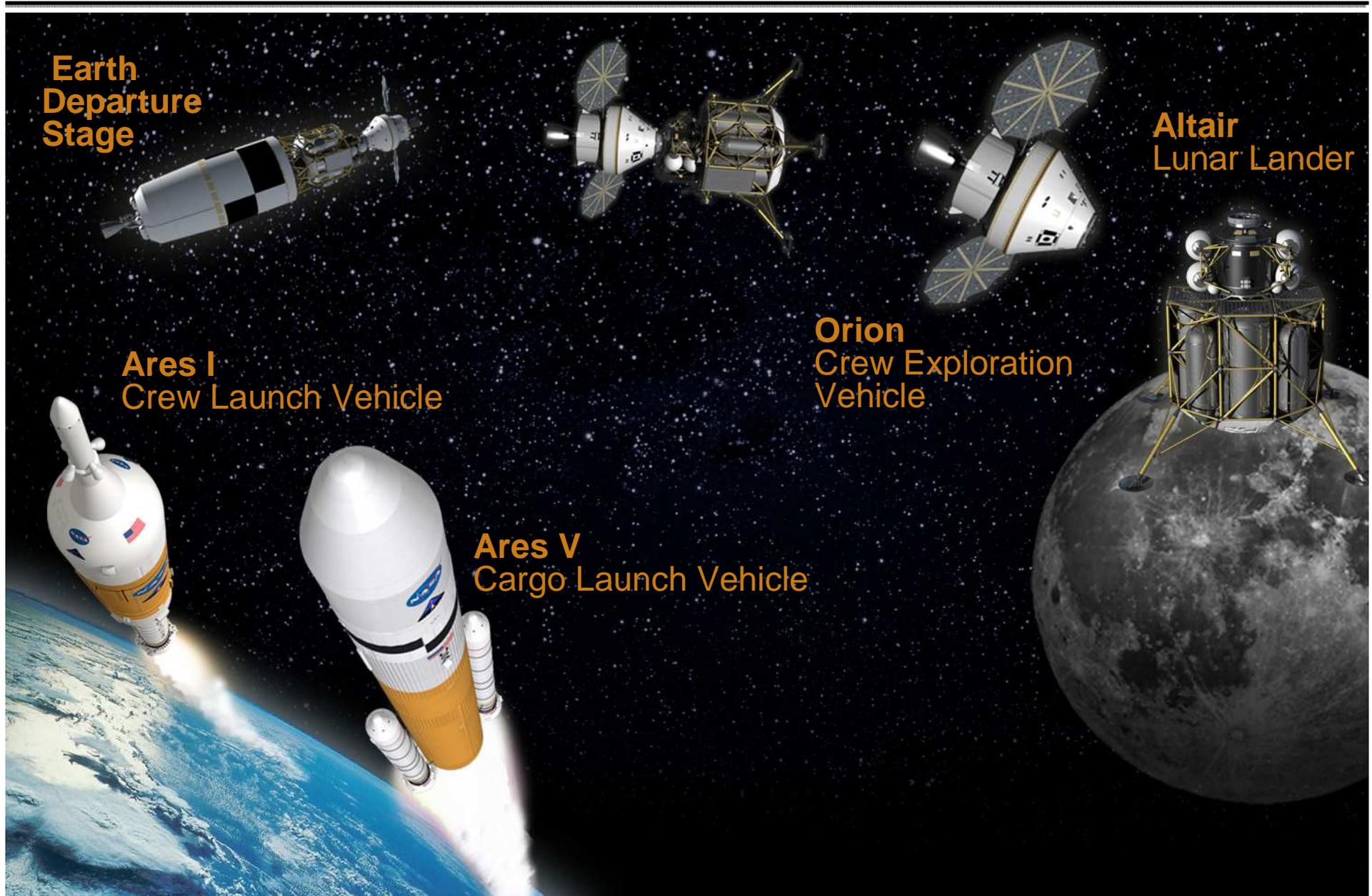


- **Discovery**

- Discover new information about ourselves, our world, and how to manage and protect it



Constellation Program Fleet of Vehicles



**Earth
Departure
Stage**

**Altair
Lunar Lander**

**Ares I
Crew Launch Vehicle**

**Orion
Crew Exploration
Vehicle**

**Ares V
Cargo Launch Vehicle**

Elements of a Lunar Outpost

