

# THE ARTEMIS PROGRAM

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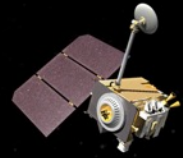
Artemis is the twin sister of Apollo and goddess of the Moon in Greek mythology. Now, she personifies our path to the Moon as the name of NASA's program to return astronauts to the lunar surface by 2024.

When they land, Artemis astronauts will step foot where no human has ever been before: the Moon's South Pole.

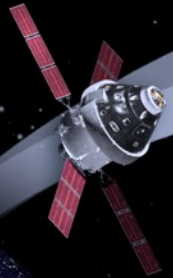
With the horizon goal of sending humans to Mars, Artemis begins the next era of exploration.



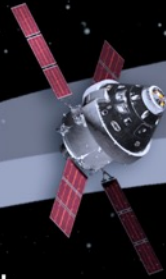
# ARTEMIS: LANDING HUMANS ON THE MOON IN 2024



Lunar Reconnaissance Orbiter: Continued surface and landing site investigation



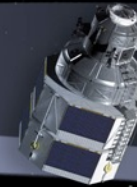
Artemis I: First human spacecraft to the Moon in the 21st century



Artemis II: First humans to orbit the Moon and rendezvous in deep space in the 21st Century



Gateway begins science operations in lunar orbit with launch of Power and Propulsion Element and Habitation and Logistics Outpost



Initial human landing system delivered to lunar orbit



Artemis III: Orion and crew dock to human landing system for crew expedition to the surface



## Early South Pole Robotic Landings

Science and technology payloads delivered by Commercial Lunar Payload Services providers



## Volatiles Investigating Polar Exploration Rover

First mobility-enhanced lunar volatiles survey



## Humans on the Moon - 21st Century

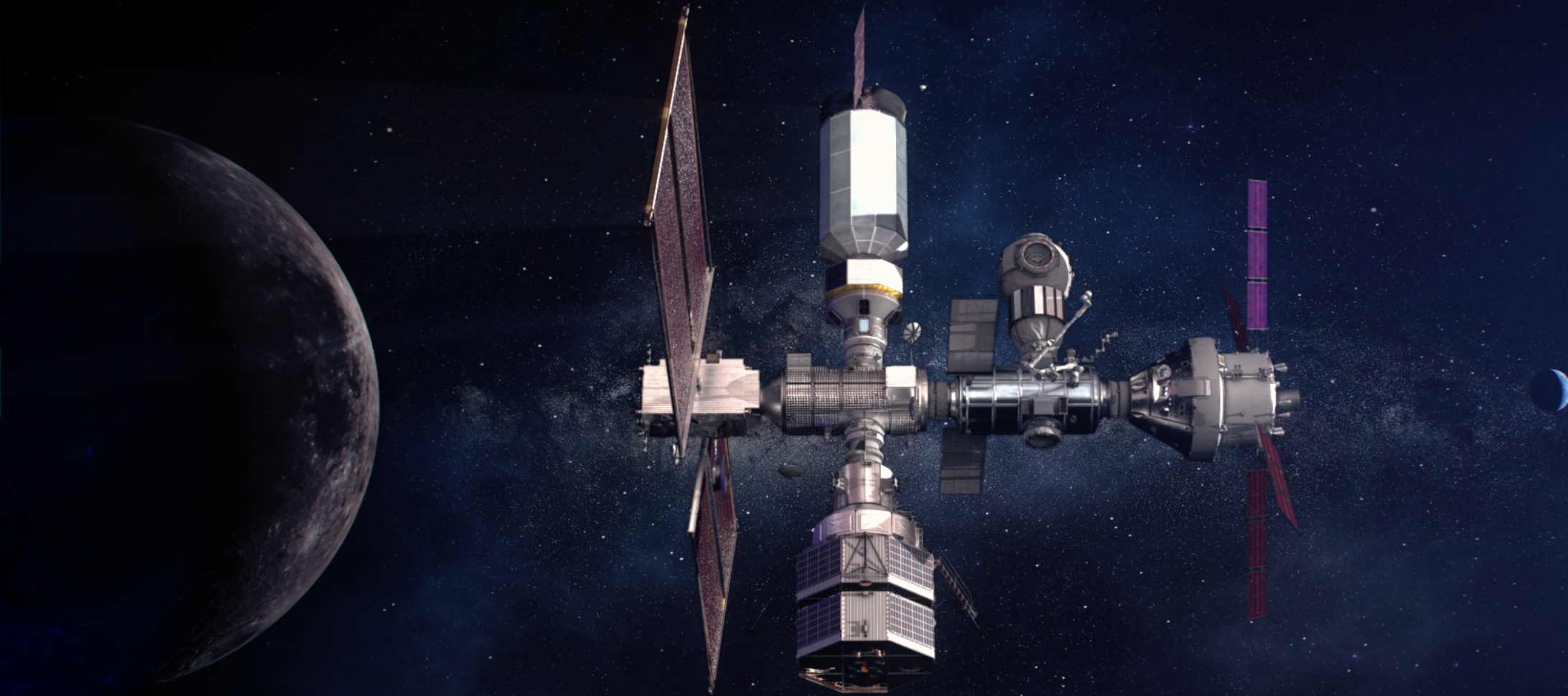
First crew leverages infrastructure left behind by previous missions



**LUNAR SOUTH POLE TARGET SITE**



# THE ARTEMIS GATEWAY



An outpost in lunar orbit that will be a staging point for human and robotic exploration in deep space and will serve as a technology test bed for Mars



# GATEWAY DEEP SPACE LOGISTICS

## SPACEX

- SpaceX selected as the first U.S. commercial provider under the Gateway Logistics Services contract to deliver cargo, experiments and other supplies to the Gateway in lunar orbit
- Multiple supply missions are planned in which the cargo spacecraft will stay at the Gateway for 6-12 months at a time
  - 5 MT delivered cargo capability
    - Food, clothing, consumables, spacesuits, medical equipment, scientific experiments
  - Power to internal and external payloads
  - Trash removal
  - Automated RPOD (docking/undocking)

