



## Lunar Evacuation System

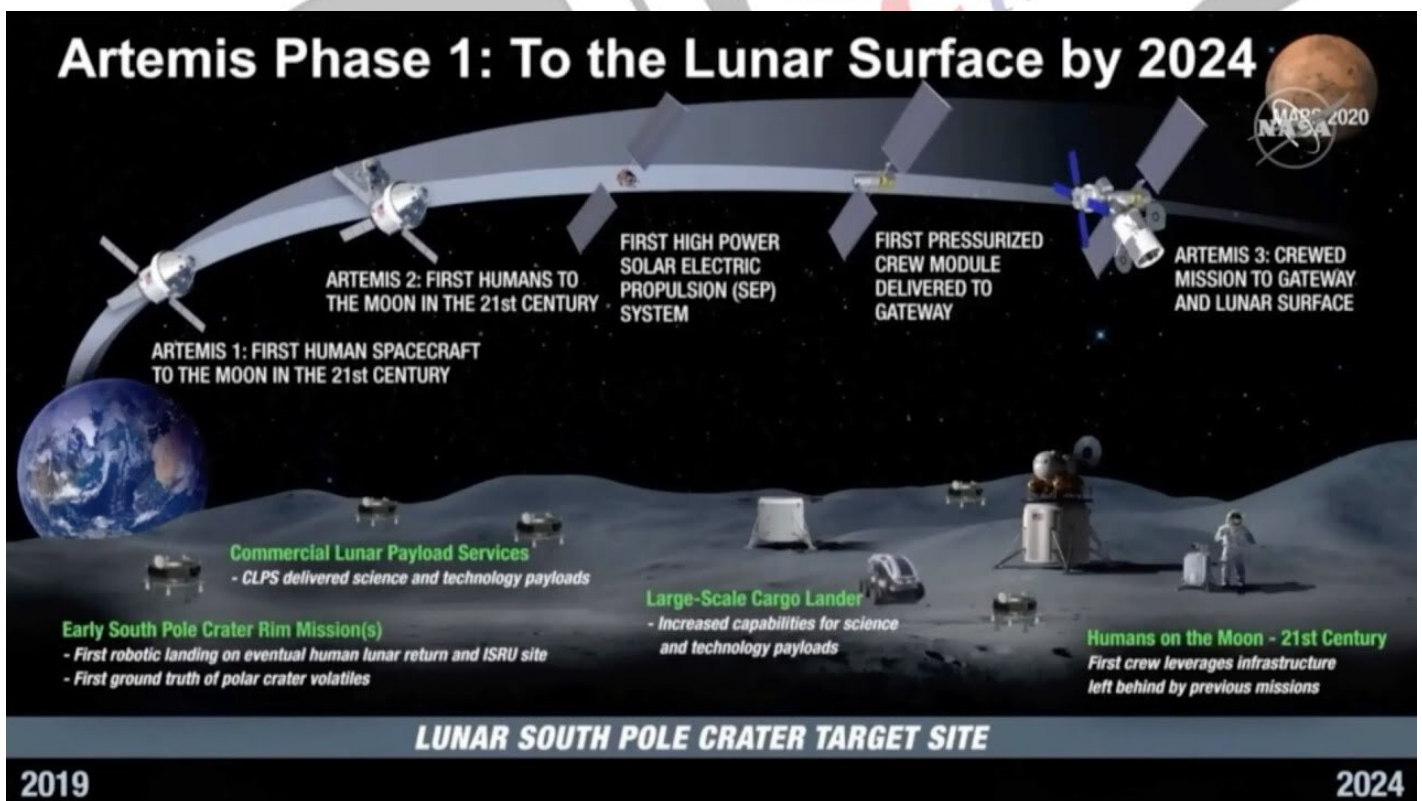
Under the preparations for **NASA's 2024 Moon mission**, a device called **Lunar Evacuation System Assembly (LESA)** has been tested.

- LESA developed by the **European Space Agency (ESA)**, is a pyramid-like structure used for rescuing an **injured astronaut** on the lunar surface.
- Astronauts could not carry their fallen crewmate over their shoulder while wearing a **heavy extravehicular activity (EVA) suit**.
- LESA enables an astronaut to lift their crewmate onto a **mobile stretcher** in less than 10 minutes, before carrying them to the safety of a nearby pressurized lander.

### National Aeronautics and Space Administration

- It is an independent agency of the United States Federal Government responsible for the civilian space program, as well as aeronautics and aerospace research.
- Headquartered in **Washington, D.C, United States**.

### NASA's 2024 Moon mission or Artemis' program



//

- ARTEMIS stands for '**Acceleration, Reconnection, Turbulence, and Electrodynamics** of the Moon's interaction with the Sun.

- Artemis program that will return astronauts to the Moon for the first time (including the **first woman** and the next man) in half a century, including eight scheduled launches and a **mini-station in lunar orbit** by 2024.
- As a result of Artemis, NASA will be able to establish a **sustainable human presence on the Moon by 2028** to uncover new scientific discoveries, demonstrate new technological advancements, and lay the foundation for private companies to build a lunar economy.

PDF Refernece URL: <https://www.drishtias.com/printpdf/lunar-evacuation-system>

