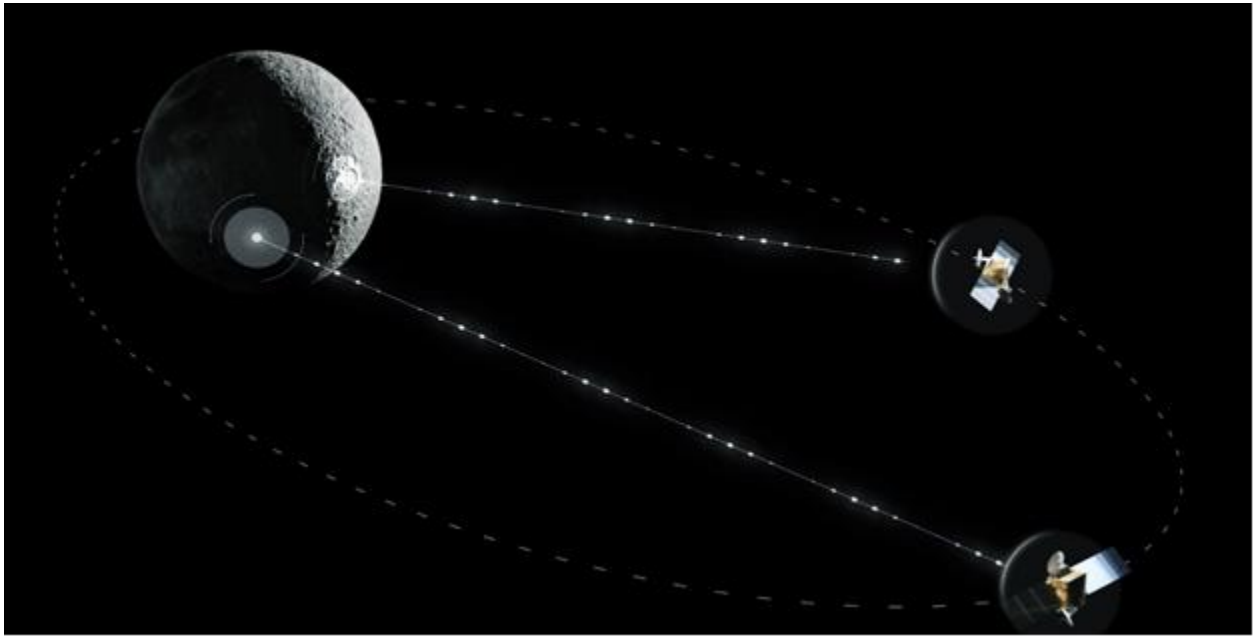


News Release

Crescent Space Communication Nodes Selected by DARPA to Support Commercial Lunar Infrastructure Study

Crescent's Modular User Surface Terminals (MUST) will offer real-time ground communications and navigation solutions on the Moon.



Caption: Crescent's terminals on the lunar surface will take advantage of the company's constellation of Parsec® communications satellites, seen here.

DENVER, Dec. 20, 2023 – The U.S. government's Defense Advanced Research Projects Agency (DARPA) has awarded [Crescent Space](#), and its supporting team, a seven-month contract as part of its [10-Year Lunar Architecture Study](#) aimed at maturing key technologies for the future lunar economy. As part of this effort, Crescent will explore how its Multi-Service Modular User Surface Terminals (MUST) help lunar missions communicate and navigate on and around the Moon.

“As the cadence of lunar missions increases, missions in orbit and on the surface will need reliable communications and navigation at all times,” said Jason Hopkins, vice president of Business Development at Crescent. “We’re excited for this opportunity to support DARPA in its efforts to advance the development of optimized technologies for future integrated infrastructure services at the Moon.”

Crescent's lunar surface terminals will seek to harness the communications and navigation services of the company's constellation of [Parsec® satellites](#), which are now slated to be in place at the Moon in 2026. This service will work to provide continuous connection between Earth and the people and missions in lunar orbit and on the surface.

The Benefits of Crescent's MUST Lunar Surface Terminals

Crescent's lunar surface terminals for communications and navigation are designed to nest within any hosting platform and seamlessly integrate with lunar services offered by Crescent



and other companies. This makes them a versatile choice for any type of user or mission at the Moon.

Having these dedicated terminals act together as part of a single mesh network regardless of surface location can simplify communications in mass-effective and cost-effective ways. This system minimizes overall mission complexity; MUST will do all of the heavy lifting, so users can focus on the task at hand, whether that be situational awareness, surface mining, manufacturing, navigating and more.

Use of these terminals will be offered under Crescent's commercial services model, making it easier for companies to initiate future lunar missions and contribute to growth of the lunar ecosystem.

Why Develop Lunar Infrastructure?

As humankind looks to expand beyond low-Earth orbit, foundational challenges are arising around how we will sustain our presence on or around the lunar surface, including questions around power, communications and navigation. To adequately address these future challenges, solutions must be spearheaded now.

DARPA's LunA-10 study seeks to progress the development of innovative and revolutionary technologies critical to the future lunar economy so that they may be shareable, scalable and interoperable. Crescent was one of several companies [selected to participate](#) in the study.

About Crescent

Crescent is a commercial services company created by Lockheed Martin that provides infrastructure-as-a-service for lunar missions operated by both commercial and government customers. The company leverages Lockheed Martin's deep technical heritage and reliability in space with the speed and agility of a commercial services platform to deliver critical services needed to operate on and around the moon. Visit www.crescentspace.com to learn more.

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