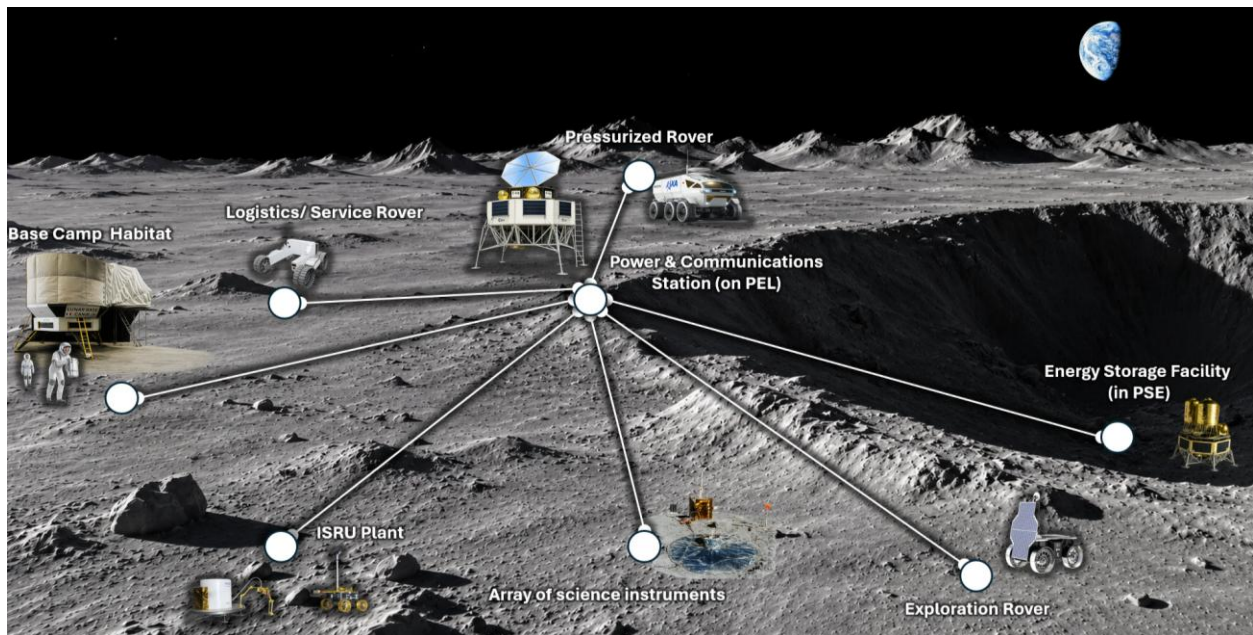




Press Release

CNES Launches LUNAR-LINK Study to Advance Lunar Surface Power and Data Connectivity

Toulouse, Septèmes-les-Vallons, France – October 02nd, 2026. The French Space Agency (CNES) and Spartan Space have launched the LUNAR-LINK (Lunar Utility Network for Autonomous Robots) study, with the successful Kick-Off Meeting held in June. The six-month project aims to investigate innovative connection technologies for the transfer of electrical power and data between fixed lunar infrastructure and autonomous robotic systems, supporting the development of future robotic and human spaceflight lunar exploration missions. As international efforts towards sustainable lunar exploration accelerate, reliable energy and communication interfaces will become essential building blocks for future surface operations. Through LUNAR-LINK, CNES seeks to evaluate and compare several connection technologies—including physical electromechanical connectors, wireless power transfer and optical communication solutions—to identify the most promising approaches for future lunar infrastructure.



The study has been awarded to SPARTAN SPACE, which will conduct a comprehensive state-of-the-art review, define operational concepts and technical specifications, and develop representative connection prototypes demonstrating the selected concepts. The work will also assess the impact of the lunar environment—including abrasive regolith, vacuum, extreme thermal cycles and autonomous robotic operations—on the proposed solutions. By addressing both power and data transfer within a common architectural framework, LUNAR-



LINK contributes to CNES' long-term vision of interoperable and resilient lunar surface systems. The project will provide recommendations for future technology developments and support the maturation of connection solutions for European and international lunar missions. The project is scheduled to conclude after six months with the delivery of prototype demonstrations and recommendations for future lunar surface utility networks

About SPARTAN SPACE

SPARTAN SPACE is an aerospace company with operations in France, Germany and the United States. The company develops advanced technologies for space exploration, defense and high-altitude operations. Its portfolio includes solutions for human and robotic spaceflight, and stratospheric platforms designed for scientific, commercial, governmental and defense applications. Through rapid prototyping, operational demonstrations and close collaboration with institutional and industrial partners, SPARTAN SPACE accelerates the development and industrialization of next-generation aerospace systems.

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