

Press Release

“AIRBNB On the Moon”

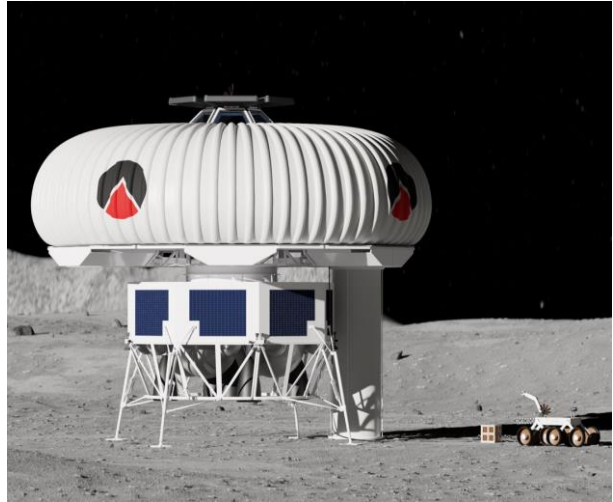
The Start-Up SPARTAN SPACE signs a contract for the development of a habitat on the lunar surface to support future ARTEMIS missions

Marseille August 25th, 2022: The French New Space Start-Up SPARTAN SPACE signed a contract with the French Space Agency Centre National d'Etudes Spatial CNES on the study and development of habitations solutions for lunar surface missions. The project has as an objective to provide concepts that can be applied in the coming years potentially in the frame of the US ARTEMIS missions.

SPARTAN SPACE is a Marseilles based Start-Up created in 2021. The company is specialised on innovative solutions for habitation systems in extreme environments. SPARTAN SPACE is working on several projects for space and underwater stations and is one of the five laureates of the CNES “[TECHTHEMOON](#)” Initiative to foster the development of innovative start-ups that work on lunar exploration. SPARTAN SPACE has developed a habitation solution called “[EUROHAB](#)” which is based on an inflatable habitat that can be brought as payload to the lunar surface. ARTEMIS astronauts will be limited to explore the environment around their lander. A system like EUROHAB can be positioned by a robotic lander on strategic locations in order to extend the exploration range of future moonwalkers. The habitat would serve as a base camp to shelter a crew on expeditions far from the lander. A prototype of EUROHAB was developed in 2021 and was exhibited during the Universal Expo in Dubai. “*EUROHAB could be an European contribution to the US ARTEMIS Program. It is important that Europe plays a significant role in future human space exploration on the lunar surface*” says Peter WEISS, CEO and Founder of SPARTAN SPACE. “*SPARTAN SPACE wishes to address this market with a New-Space approach: We do not intend to sell out habitat but we will offer it as a service - like an ‘AIRBNB on the Moon’*”.

EUROHAB will be exhibited during the ESA-ESRIC “SPACE RESSOURCE CHALLENGE”, a field-tests based challenge to identify and develop technologies for prospecting space resources - with 375.000€ ESA contracts to be awarded to the 5 winners of first field test and a larger prize pool after the second field test. The Challenge will take place in Luxembourg at [Rockhal](#), not far from the [European Space Resources Innovation Centre ESRIC](#). The final demo will take place on Friday September 9th, 2022. SPARTAN SPACE will feature the EL3 Lander mock-up and the EUROHAB prototype habitat as a payload to the lander, one on of the biggest artificial lunar analogues ever built. In the frame of the event, SPARTAN SPACE will simulate a re-supply with oxygen of the lunar habitat by a supply chain from an in-situ production plant and a mobility platform. This demo is performed in the perspective of the set-up of an end-to-end space resource utilisation value chain, as an enabler of a sustainable cis-lunar economy. Within the EURO2MOON Alliance, this operation showcases the motivation of European industry to join forces to build new transversal lunar services with a cross sectoral collaboration of complementary partners. In this first simple test, SPARTAN SPACE, AIR LIQUIDE and AIRBUS bring existing terrestrial solutions on the stage to illustrate the capacities. SPARTAN SPACE is in particular interested in space resource utilisation where the EUROHAB is an end-user to the in-situ produced products.

The new contract with CNES and the tests at ESRIC this week reinforce the strategy of SPARTAN SPACE to develop novel and innovative habitation systems. The business plan of SPARTAN SPACE is not only based on “Habitat-As-A-Service” but also intends to bring key technologies for space habitats back to Earth into normal households to improve energy consumption, water usage and CO2 emissions. The Start-up is currently searching for investors to raise funds.



(left) EUROHAB as a payload on the EL3 Lander mock-up in Istres, France and (right) artist's view of EUROHAB on the lunar South Pole as base camp to ARTEMIS astronauts (both images: SPARTAN SPACE)

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Photos and videos concerning SPARTAN SPACE and EUROHAB can be downloaded at [this link](#) (or [alternative link](#)). A video of the functionality of EUROHAB is available here on Youtube:

<https://www.youtube.com/watch?v=PaYNedOq8m8>

For further information on the ESA-ESRIC "SPACE RESSOURCE CHALLENGE" please contact:

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