

Transversal competencies
Orbital systems
Ground segments
Balloons



SPARTAN SPACE is developing habitation systems for extreme environments and human spaceflight.

The company also develops equipment for ergonomic tests and analogue trials for human and robotic spaceflight.

COMPETENCIES & CAPABILITIES

Engineering support in the fields of human spaceflight and robotic space exploration:

- Habitation systems (orbital, surface and analogue)
- Life-Support Systems
- Space Suit technology
- Robotics (IV, EV and human-robot interaction)
- Space validation and test equipment design (e.g. Vacuum Chamber with lunar regolith; "dirty" vacuum chambers)



EUROHAB habitat platform during tests in Luxembourg.

SPARTAN SPACE

PRODUCTS & SERVICES

SPARTAN SPACE provides systemic solutions for space habitation systems. These include life-support systems, energy management, airlock developments and robotics.

SPARTAN SPACE is also active in the development of platforms for ergonomic tests and analogue missions for human and robotic space exploration.

SPARTAN SPACE personnel is qualified in space and maritime engineering and can support the transition of technologies from the space sector to the maritime sector and reverse.

MAJOR SPACE PROJECTS & REFERENCES

EUROHAB: A lunar surface secondary habitat conceived as a payload to a robotic lander. The system was developed as a full-scale mock-up to serve as test platform for technology validation and analogue tests.

I-HAB: Human In The Loop (HITL) test model to validate the internal layout and perform fit-check for internal partners equipment's (JAXA and NASA).

LDE: Mock-up of the ESA EL3 lander for simulations and tests. The system is located at the European Astronaut Centre EAC, Cologne.

LISE: Development of a lunar surface habitat concept in cooperation with CNES.

DTVC: Dirty-Vacuum Chamber for an ESA Facility in Luxembourg. The system will provide a lunar surface test environment (with regolith simulant)

POINT OF CONTACT

ADDRESS 167 Plage de l'Estaque
13016 Marseille France

WEBSITE www.spartan-space.com

PHONE +33 (0)6 27 21 49 01

POINT-OF-CONTACT : Peter WEISS, Founder and CEO

TURNOVER 0,5 M€

WORK FORCE 4 employees

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