

# Demand for Space Habitat Technology Market is forecasted to reach a value of US \$3.77 billion by 2029

LONDON, GREATER LONDON, UNITED KINGDOM, August 28, 2025

/EINPresswire.com/ -- How Large Will The [Space Habitat Technology Market](#) Be By 2025?

Rapid expansion has been observed in the space habitat technology market in the recent past. The market size is projected to escalate from \$1.57 billion

in 2024 to reach \$1.87 billion in the following year, registering a compound annual growth rate (CAGR) of 19.5%. This significant growth in the preceding period can be credited to the enhanced government funding in space missions, increasing interest in prolonged human space travel, surging requirements for life support systems in space, increased demand for microgravity research amenities, and heightened public consciousness about space exploration.



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Anticipations are high for a rapid expansion in the space habitat technology market size over the next few years. Estimated to leap to \$3.77 billion by 2029, this suggests a compound annual growth rate (CAGR) of 19.2%. Factors contributing to the growth during the forecast period include an escalating demand for lunar and martian settlements, an increased interest in space tourism, a surge in asteroid mining and space-focused industries, a

pressing necessity for radiation shielding technologies, and an expanding need for artificial gravity research modules. The forecast period also foresees trends such as the evolution of closed-loop systems, fusion of modular habitat units, incorporation with orbital infrastructures, advancements in compact living spaces, and breakthroughs in emergency response systems.

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## What Are The Major Driving Forces Influencing The Space Habitat Technology Market Landscape?

The rise in space exploration investments is anticipated to boost the space habitat technology market's growth expansion. Space exploration entails the examination and exploration of outer space through the use of astronomy, robotic spacecraft, and human space flights. This rise in investments in space exploration is mainly due to concerns about national security and geopolitical competition, as nations strive for strategic superiority in space-based defense, surveillance, and technical supremacy. Space habitat technology assists in space exploration by supporting a sustainable human presence beyond Earth, utilizing cutting-edge life support and structural systems. It improves mission effectiveness by ensuring the safety, comfort, and usability of the crew in severe space conditions. For example, in September 2023, as per Novaspaces, a French space governance provider, government expenditure on space exploration hit \$27 billion in 2023 and is expected to escalate to nearly \$31 billion by 2034. As a result, the upsurge in space exploration investments is bolstering the growth of the space habitat technology market.

## Who Are The Top Players In The Space Habitat Technology Market?

Major players in the Space Habitat Technology Global Market Report 2025 include:

- RTX Corporation
- Airbus SE
- The Boeing Company
- Lockheed Martin Corporation
- Northrop Grumman Corporation
- Honeywell International Inc.
- BAE Systems plc
- Thales Group
- Space Exploration Technologies Corp.
- ICON Technology Inc.

## What Are The Key Trends Shaping The Space Habitat Technology Industry?

Big corporations active in the field of space habitat technology are concentrating on creating cutting-edge solutions, such as expandable space habitats, which pave the way for a sustainable, scalable human presence in outer space. These expandable habitats are inflatable units that enlarge once they are launched into space, offering astronauts a lightweight, compact, and roomy setting to live in. For instance, Max Space Inc., an American aerospace technology company, introduced its unique expandable habitat architecture in April 2024, designed to provide lightweight, scalable environments for living and working in orbit. It incorporates an inflatable, scalable design that can extend to the size of a stadium or beyond, while maintaining structural stability and dependability. This imaginative approach greatly increases the available interior space while lowering the weight and cost in comparison to traditional rigid modules, laying the groundwork for mass production and more cost-effective space habitation.

## Market Share And Forecast By Segment In The Global Space Habitat Technology Market

The space habitat technology market covered in this report is segmented –

- 1) By Component: Life Support Systems, Habitat Structures, Power Systems, Thermal Control Systems, Communication Systems, Other Components
- 2) By Habitat Type: Orbital, Surface
- 3) By Application: Commercial, Government, Research

Subsegments:

- 1) By Life Support Systems: Atmosphere Control And Supply, Water Recycling And Management, Waste Management Systems, Food Production Systems, Environmental Monitoring Systems
- 2) By Habitat Structures: Modular Habitat Units, Inflatable Habitat Structures, Radiation Shielding Materials, Structural Frames And Panels, Interior Furnishings And Layout
- 3) By Power Systems: Solar Power Generation, Energy Storage Systems, Power Distribution Units, Backup Power Systems, Thermal-To-Electric Conversion Systems
- 4) By Thermal Control Systems: Active Thermal Control, Passive Thermal Control, Thermal Monitoring Sensors, Phase Change Materials, Heat Rejection Systems
- 5) By Communication Systems: Satellite Communication Terminals, Wireless Communication Networks, Data Transmission Equipment, Antennas And Transceivers, Communication Software And Protocols
- 6) By Other Components: Navigation And Guidance Systems, Robotics And Automation Components, Safety And Emergency Systems, Environmental Sensors And Instruments, Maintenance And Repair Tools

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<https://www.thebusinessresearchcompany.com/report/space-habitat-technology-global-market-report>

Space Habitat Technology Market Regional Insights

In 2024, North America dominated the global market for space habitat technology. The Space Habitat Technology Global Market Report 2025 encompasses a variety of regions including Asia-Pacific, Western Europe, Eastern Europe, South America, Middle East, and Africa.

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