

# Human Spaceflight Market Size, Share, Competitive Landscape and Trend Analysis Report

*The Business Research Company's  
Human Spaceflight Global Market Report  
2025 – Market Size, Trends, And Global  
Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED  
KINGDOM, August 25, 2025  
/EINPresswire.com/ -- How Large Will  
The [Human Spaceflight Market](#) Be By  
2025?

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The [human spaceflight market size](#) has seen notable growth in the past few years. This market is predicted to boost from \$4.69 billion in 2024 to \$5.28 billion in 2025, showing a compound

annual growth rate (CAGR) of 12.7%. The expansion during the historic phase can be traced back to a surge in space tourism, amplified launcher dependability, growing dependence on space-based systems, an augmented demand for satellite services and overall increasing customer demand.



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Anticipated to see fast-paced expansion in the upcoming years, the human spaceflight market is projected to surge to \$8.40 billion in 2029, with a compound annual growth rate (CAGR) of 12.3%. This growth within the predicted

period could be due to factors such as enhanced interest in manned missions, an increase in disposable incomes, government initiatives, growing fascination with space exploration, and a growing requirement for satellite-dependent services. Significant trends during this forecast period may include the integration of artificial intelligence, progress in reusable rocket technology and space technology, technological enhancements in spaceflight, as well as innovative spacecraft.

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## What Are The Major Driving Forces Influencing The Human Spaceflight Market Landscape?

The increase in space tourism is predicted to boost the expansion of the human spaceflight market. Space tourism involves sending private people, who aren't professional astronauts, into space for pleasure, leisure, or adventure. This spike in interest in space tourism mainly originates from affluent individuals looking for unique and adventurous journeys beyond the usual luxury locations. By demonstrating that space travel is both safe and feasible for those without professional astronaut training, human spaceflight reinforces space tourism and enhances public trust, which in turn, increases commercial demand for travel to space. As an illustration, the Pew Research Center, an organization based in the U.S., reported in July 2023 that by 2073, most Americans (55%), will view space tourism as a routine event. This reflects the increasing positivity about the development and accessibility of commercial space tourism. As such, the growing popularity of space tourism is fueling the expansion of the human spaceflight market.

## Who Are The Top Players In The Human Spaceflight Market?

Major players in the Human Spaceflight Global Market Report 2025 include:

- The Boeing Company
- Northrop Grumman Corporation
- Space Exploration Technologies Corp.
- Blue Origin LLC
- Sierra Space Corporation
- Redwire Corporation
- Relativity Space Inc.
- Rocket Lab USA Inc.
- Axiom Space Inc.
- Orbital Express Launch Ltd.

## What Are The Key Trends Shaping The Human Spaceflight Industry?

Major corporations in the human spaceflight market are centering their endeavors around pioneering missions such as polar-orbit manned flights. These are designed to show their global reach and to verify systems under harsh orbital circumstances. A polar-orbit manned flight is a space mission carried out by humans which transverses over Earth's poles. This path allows the spacecraft to move over almost every section of the globe as it spins underneath. For example, Space Exploration Technologies Corp, an American manufacturing firm, embarked on the Fram2 mission in April 2025. This marked the inaugural occasion of a human spaceflight orbiting over Earth's polar regions. This privately sponsored mission saw four astronauts undertake a journey over a few days on a polar-orbit flight, undertaking 22 experimental studies. These ranged from the first-ever x-ray imaging in microgravity to research on bone and muscle health, as well as mushroom growing. This mission also collected data from high latitude atmospheres and tested

the first recovery operation involving a SpaceX Dragon crew capsule splash landing in the Pacific. This showcased the recent advances in commercial human spaceflight.

## Market Share And Forecast By Segment In The Global Human Spaceflight Market

The human spaceflight market covered in this report is segmented –

- 1) By Mission Type: Orbital, Sub-Orbital
- 2) By Vehicle Type: Crewed Spacecraft, Spaceplanes
- 3) By Application: Space Tourism, Space Exploration, International Space Station (ISS) Services, Other Applications
- 4) By End-User: Government, Commercial

Subsegments:

- 1) By Orbital: Low Earth Orbit (LEO) Missions, Medium Earth Orbit (MEO) Missions, Geostationary Orbit (GEO) Missions, Lunar Missions, International Space Station (ISS) Missions
- 2) By Sub-Orbital: Space Tourism Flights, Research And Microgravity Flights, Military And Defense Test Flights, Technology Demonstration Flights, Commercial Sub-Orbital Payload Flights

View the full human spaceflight market report:

<https://www.thebusinessresearchcompany.com/report/human-spaceflight-global-market-report>

## Human Spaceflight Market Regional Insights

In the 2024 Human Spaceflight Global Market Report, North America emerged as the leading region. However, predictions for the year 2025 suggest that the Asia-Pacific region will witness the speediest growth. The report analyzes several regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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