

Space Robotics Market to See Competition Rise | USD 8 Billion by 2031 With CAGR of 6.9%

The regulatory implementations by several space regulatory authority is expected to limit the growth

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by Solution (Remotely Operated Vehicles, Remote Manipulator System, Software, Services), by Application (Deep Space, Near Space, Ground), by End User (Commercial, Government): Global Opportunity Analysis and Industry Forecast, 2021-2031"

According to the report, the space robotics industry generated \$4.3 billion in 2021 and is estimated to reach \$8 billion by 2031, witnessing a CAGR of 6.9% from 2022 to 2031. The report offers a detailed analysis of changing market trends, top segments, key investment pockets, value chains, regional landscapes, and competitive scenarios.



The graphic features a Mars rover on a reddish surface with the planet Mars in the background. Text on the left includes: 'SPACE ROBOTICS MARKET', 'OPPORTUNITIES AND FORECAST, 2021 - 2031', 'Space robotics market is expected to reach \$8 Billion in 2031', 'Growing at a CAGR of 6.9% (2022-2031)', and 'Report Code: A07165, www.alliedmarketresearch.com'. The Allied Market Research logo is in the top right corner.

Space Robotics Market

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The capability and the suppleness to reconfigure a space robot that is now in orbit are being demanded by the operatives. The ability to tweak the space robots and spaceship to the varying needs of the market is important for the operators of GEO (Geostationary Orbit) satellites that have a lifespan of more than 15 years. This may include switching its functionality from TV broadcasting to internet connectivity or moving a satellite and its robotic arm into a different position, which would be difficult with the traditional hardware-defined space robots.

Market Segments & Regional Analysis

The report covers the market for space robotics across different regions, including North America, Europe, Asia-Pacific, and Latin America. It also identifies key players in the market and their competitive strategies.

By application, the near space segment accounted for nearly three-fifths of the global [space robotics market revenue](#) in 2021 and is projected to rule the roost by 2031. The growing need for continuous servicing & maintenance of active satellites, inflowing government investments, and increasing number of space research & exploration projects across the world are the factors driving the growth of the segment. The ground segment, on the other hand, display the fastest CAGR of 9.6% throughout the forecast period. The rising R&D activities have boosted the demand for space robots in ground applications, thus driving the segment growth.

For more information on the global space robotics market, visit our website: <https://www.alliedmarketresearch.com/space-robotics-market/purchase-options>

The report analyzes these key players in the global space robotics market. These players have adopted various strategies such as expansion, new product launches, partnerships, and others to increase their market penetration and strengthen their position in the industry. The report helps determine the business performance, operating segments, developments, and product portfolios of every market player.

The rise of threats in military security have been ultimately fostering the need for satellite communication services as a part of ensuring reconnaissance, surveillance, and intelligence application areas. This further adds up to the necessity toward launching missiles, space crafts and many others to increase security standards and services within the defense & military units.

Likewise, the military or defense organizations supports the positioning of different types of satellites including surveillance satellites, communication satellites and many others towards monitoring or tracking of future security threats, thereby impacting the growth of space robotics in commercial markets. Such factors are further set to support the [growth of space robotics market](#) in the coming years.

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This shows the entry of the leading companies into software-defined space robotics that rely on flexible software, generic hardware, and a distributed & advanced space on-board computing platform to identify their missions. With its automated on-board computing platform, software-defined technology offers the suppleness they need and could also decrease the costs in the future. Though, the operators and manufacturers have now introduced partially software-defined space robots for MEO and LEO constellations. Thus, software-defined technology is designed to create opportunities for the space robotics market.

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By solution, the remotely operated vehicles segment is projected to dominate the global space robotics market in terms of growth rate.

By application, the ground segment is projected to dominate the global space robotics market in terms of growth rate.

By end user, the government segment is projected to dominate the global space robotics market in terms of growth rate.

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