

Near Space Robotics Market Key Players, Industry Analysis, Potential Growth, Forecast by 2032

Near Space Robotics Market by Solution, by Application and, by End User : Global Opportunity Analysis and Industry Forecast, 2023-2032.

WILMINGTON, DE, UNITED STATES, September 19, 2025 /EINPresswire.com/ -- Space robots are self-controlled device consisting of mechanical, electrical, and electronic components, which can function in place of a living agent. Space robots are capable of surviving harsh environment of space and can perform functions such as construction, maintenance, exploration, servicing of spatial satellites, etc. Remotely operated vehicles (ROV) and remote manipulator system (RMS) are the two major types of space robots. The space robotics industry is achieving high growth due to its benefits such as better productivity, cost effectiveness, and the ability to perform in harsh situations as a human substitute. Space robotics possesses features such as mobility (can move quickly & accurately between two points without collision), manipulation (using arms to contact worksite elements safely, accurately without accidentally contact unintended objects), time delay (allowing a distant human to effectively command the robot to do useful work), and environments (able to operate despite intense heat or cold).

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COVID-19 Scenario analysis:

Due to COVID-19 situation, the satellite launch plans and other activities such as servicing of existing satellites in near space have been extended by the several space agencies of the world. Such extension has resulted in decrease in demand of near space robots which were to use in servicing of satellites.

The research & development (R&D) in near space robotics technology has been adversely affected due to the declared lockdowns and travel restrictions due to COVID-19.

Business development possibility of near space robotics companies has been adversely affected due to overall shortage in demand of space robots & its components due to COVID-19 pandemic.

Demand in [near space robotics market](#) may rise in future as worldwide governments has started to loosen up the restrictions.

Backlogs of several space projects have been created due to COVID-19. Such projects are

expected to get into shape post COVID-19 situation, which will contribute to considerable rise in demand in the near space robotics market.

Top impacting factors: market scenario analysis, trends, drivers and impact analysis
Need for continuous maintenance & servicing of the existing satellites, inflowing government investments, and increasing number of space research & exploration projects across the globe are the factors which drive the near space robotics market. However, regulatory implementations by several space regulatory authorities is expected to limit the growth of the near space robotics market. Contrarily, rising investments in private companies of space robotics is expected to boost the growth of the market further.

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Need for continuous maintenance & servicing of the existing satellites
Satellites tends to breakdown & requires maintenance when exposed to harsh environment of space. Moreover, in space, satellites are subjected to face varying temperatures, high radiation, ultra-vacuum, etc. Due to such harsh environment, satellites require maintenance frequently. Hence, to meet the maintenance and other requirements such as repairing and servicing of existing satellites, near space robotics demand has been increasing and thereby driving the growth of the near space robotics market.

Key benefits of the report:

This study presents the analytical depiction of the near space robotics industry along with the current trends and future estimations to determine the imminent investment pockets.

The report presents information related to key drivers, restraints, and opportunities along with detailed analysis of the global near space robotics market share.

The current market is quantitatively analysed to highlight the global near space robotics market growth scenario.

Porter's five forces analysis illustrates the potency of buyers & suppliers in the market.

The report provides a detailed global near space robotics market analysis based on competitive intensity and how the competition will take shape in coming years.

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Key Players:-

Maxar Technologies

ASTROBOTIC

iSpace

Altius Space

Made In Space

Space Applications Services
Motiv Space Systems Inc'
Honeybee Robotics
Northrop Grumman Corporation
Effective Space Solutions Limited

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