

# Unmanned Ground Vehicle Market Leading Players, Demand, Future Trends, Growth Factor, Price and Gross Margin till 2030

*Market Size – USD 3.10 Billion in 2021,  
Market Growth – at a CAGR of 7.1%,  
Market Trends – Advancements in the  
development of smart robots for warfare  
operation*

VANCOUVER, BC, CANADA, November 10, 2022 /EINPresswire.com/ -- The [Unmanned Ground Vehicle \(UGV\) market](#) size reached USD 3.10 Billion in 2021 and is expected to register a revenue CAGR of 7.1% during the forecast period to the latest analysis by Emergen Research. Increased demand

for UGVs in civilian applications is one of the key factors driving market revenue growth. Civilian services include home use and rescue missions. Cleaning floors and harvesting crops are examples of home utilization. Unmanned Ground Vehicles (UGVs) are employed in rescue missions, such as in the event of a disaster. The requirement for perimeter and border protection has raised the demand for civilian applications. In addition, autonomous UGVs are used to detect persons and analyze catastrophe damage during search and rescue operations. The environment can harm humans, such as exposure to hazardous compounds and radioactive radiation during natural disasters. Such dangerous circumstances are effectively dealt with the support of autonomous UGVs, which enable fast location of victims, rapid evaluation of losses, and prompt operations in the affected regions without risking human safety. Increasing advancement in UGVs is a key trend driving the growth of the market. The Department of Science and Technology (DST) has approved a budget of Rs. 135 crore for the establishment of India's first autonomous navigation system testbed (Terrestrial and Aerial).

However, defense budget reductions and challenge regarding bandwidth availability is the factor that is expected to hamper market revenue growth to some extent during the forecast period. Reduced defense budgets by several governments throughout the world and decreased investment in research and development hamper the market growth. Interruptions in the wireless solutions' bandwidth led the controller's reaction time to the real UGV to be delayed.



Because of the sluggish reaction time, the bandwidth impacts other networked cars. In addition, the development of UGVs remains difficult and problematic. Many variables are engaged in raising societal implications, and technological and ethical problems due to its autonomous nature. As a result of the pandemic's reduction in defense funding, countries such as India, South Korea, Russia, and Thailand have slowed or halted their defense spending in the AV industry. Moreover, one of the most significant obstacles to autonomous vehicles is technological innovation, which is still not at a point where the perception of the surroundings is completely predictable, and there are still numerous unknown risks.

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### Some Key Highlights from the Report

The wheeled segment revenue is expected to increase at a steady rate throughout the forecast period, owing to the increase in demand for wheeled mobile robots for activities where the surface is expected to be relatively even and with fewer impediments

Autonomous segment accounted for significant revenue share in 2021. The autonomous mode provides self-sufficiency, allowing them to conduct activities and carry out operations without the need for human interaction, and thus it is expected to drive revenue growth of the segment.

The small UGVs segment revenue is expected to register a steady growth rate during the forecast period. Small UGVs can be outfitted with a variety of payloads, including night-vision cameras, Chemical, Biological, Radioactive, and Nuclear (CBRN) sensors, motion detectors, manipulator arms, and grippers.

The market in the Asia Pacific is expected to register a considerably rapid growth rate in the global Unmanned Ground Vehicle (UGV) market over the forecast period as a result of the regions' increased technological progress and deployment.

Top Leading Key Players are:

Northrop Grumman Corporation, Lockheed Martin Corporation, BAE Systems plc, QinetiQ Ltd., RE2 Robotics Inc., Cobham PLC., Nexter System, ASI Mining LLC., Autonomous Solutions, Inc., and L3 Harris Technologies Inc.

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Emergen Research has segmented the unmanned ground vehicle market on the basis of mobility, operation mode, system, size, application, and region:

Mobility Outlook (Revenue, USD Billion; 2019–2030)

Wheeled

Tracked

Legged

Hybrid

Operation Mode Outlook (Revenue, USD Billion; 2019–2030)

Autonomous

Tethered

Remotely-Operated

System Outlook (Revenue, USD Billion; 2019–2030)

Payloads

Navigation System

Controller System

Power System Others

Application Outlook (Revenue, USD Billion; 2019–2030)

Military

Commercial

Law Enforcement

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Leading businesses who are looking for new sources of income will find this research to be quite helpful in understanding the market and its underlying dynamics. It will be helpful for businesses looking to diversify into new markets or increase the scope of their current operations.

How will this Report Benefit you?

A 250-page report from Emergen Research includes 194 tables and 189 charts and graphics. Anyone in need of commercial, in-depth assessments for the global Unmanned Ground Vehicle market, as well as comprehensive market segment analysis, can benefit from our new study. You can assess the whole regional and global market for Unmanned Ground Vehicle with the aid of our recent study. To increase market share, obtain financial analysis of the whole market and its various segments. We think there are significant prospects in this industry for rapidly expanding energy storage technology. Look at how you may utilise the current and potential revenue-generating prospects in this sector. The research will also assist you in making better strategic decisions, enabling you to build growth strategies, strengthen competitor analysis, and increase business productivity.

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What Questions Should You Ask before Buying a Market Research Report?

- How is the Unmanned Ground Vehicle market evolving?
- What is driving and restraining the Unmanned Ground Vehicle market?
- How will each Unmanned Ground Vehicle submarket segment grow over the forecast period

and how much revenue will these submarkets account for in 2030?

- How will the market shares for each Unmanned Ground Vehicle submarket develop from 2022 to 2030?
- What will be the main driver for the overall market from 2022 to 2030?
- Will leading Unmanned Ground Vehicle markets broadly follow the macroeconomic dynamics, or will individual national markets outperform others?
- How will the market shares of the national markets change by 2030 and which geographical region will lead the market in 2030?
- Who are the leading players and what are their prospects over the forecast period?
- What are the Unmanned Ground Vehicle projects for these leading companies?
- How will the industry evolve during the period between 2020 and 2030? What are the implications of Unmanned Ground Vehicle projects taking place now and over the next 10 years?

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