

# AR and VR in Automotive Industry: Research & Development Segment to Value \$162.39 Billion by 2025

*Automotive AR and VR Market by Type, Application, Global Opportunity Analysis and Industry Forecast, 2018 - 2025*

PORTLAND, OREGON, UNITED STATES, August 14, 2022 /EINPresswire.com/ -- The growth of the global automotive AR & VR market is driven by the advent of technological advancements in connectivity such as introduction of 5G and growing prevalence of 4G around the world. Also, the use of AR and VR in designing & assembling phase is benefitting automotive companies significantly. For example, designing and visualizing the vehicle in AR and VR technology assists designers in visualizing the body structure of a vehicle to improve efficiency, safety, and durability.

Allied Market Research recently published a report, titled, "[Automotive AR and VR Market](#) by Type (Augmented Reality (AR) and Virtual Reality (VR)) and Application (Research & Development, Manufacturing & Supply, Marketing & sales, Aftersales, Support Functions, and Product): Global Opportunity Analysis and Industry Forecast, 2018 - 2025". According to the report, the [global automotive AR and VR market](#) was valued at \$213.0 million in 2017 and is expected to reach \$673.60 billion by 2025, growing at a CAGR of 175.7% during the forecast period.

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However, for efficient functioning of AR and VR there is a requirement of continuous internet connectivity. In some countries especially in developing economies the internet speed is not fast enough for smooth functioning of AR and VR. Further, AR & VR systems pose a serious health issues to various individuals. For instance, AR and VR systems are known to cause eye strain, headaches, and, in some cases, nausea. These factors hinders the growth of automotive AR & VR market to its fullest potential. Nonetheless, the development of HUD systems to enhance safety and the formation of mixed reality (MR) by integrating AR and VR are expected to create lucrative opportunities for the market players in the near future.

Augmented Reality (AR) segment to assert its dominance throughout the forecast period

Based on type, the augmented reality (AR) segment occupied more than three-fifths share of the

global automotive AR and VR market in 2017 and is anticipated to maintain its dominance through 2025, owing to its ability to provide access of real-life environments through smartphones, tablet screens, and smart goggles & headsets to the user. However, the virtual reality (VR) segment is projected to register the fastest CAGR of 178.0% during the forecast period, due to the increased adoption of multi-sensory computer-generated simulated environment that saves time and money on costly iterations.

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Research & Development segment poised to generate the highest revenue through 2025

Based on application, the research & development segment accounted for a quarter of the global revenue in 2017. The segment is expected to continue the trend during the forecast period and attain \$162.39 Billion by 2025, due to a surge in the usage of both AR and VR in automotive R&D to develop concepts, identify problems, and test prototypes. However, the product segment is anticipated to exhibit the fastest growth rate during the forecast period, a CAGR of 185.0%, due to the increased demand for autonomous vehicles that implement AR and VR as a product in their vehicle.

Asia-Pacific to encounter the fastest growth from 2018 to 2025

Throughout the forecast period, Asia-Pacific is projected to witness the highest CAGR of 183.7%, on account of significant rise in government investments and initiative in emerging economies such as China and India for the adoption of AR & VR technology in automotive and digital manufacturing. Meanwhile, North America is projected to continue its dominance and occupy more a quarter of the global market through 2025, owing to the wide usage of 4G in AR and VR application and the early launch of 5G connectivity.

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Key market players

The key players analyzed in the [AR and VR in Automotive Industry](#) report include Continental, Microsoft, Visteon Corporation, Volkswagen, Unity, Bosch, DAQRI, HTC, Hyundai Motor, and Wayray. They have adopted different strategies including collaborations, joint ventures, partnerships, expansions, mergers & acquisitions, and others to gain a strong position in the industry.

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