

Graphene Electronics Market Size is projected to reach \$5.2 billion by 2031 | Graphene Frontiers LLC, Graphenea

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.



graphene electronics market is expected to witness considerable growth, owing to an increase in demand for Internet of Things and electronic vehicle solutions paired with investment in semiconductors"

Allied Market Research

WILMINGTON, NEW CASTLE, DE, UNITED STATES, January 30, 2025 /EINPresswire.com/ -- Allied Market Research published an exclusive report, titled, "[Graphene Electronics Market Size, Share, Competitive Landscape and Trend Analysis Report by Product, By Industry Vertical : Global Opportunity Analysis and Industry Forecast, 2021-2031](#)".

The global graphene electronics market was valued at \$270.8 million in 2021, and is projected to reach \$5.2 billion by 2031, growing at a CAGR of 34.2% from 2022 to 2031

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Graphene is a two-dimensional allotrope of carbon used in electronics to create next-generation consumer electronics and IC solutions limited to Sci-fi. Further, graphene is used as a coating to improve the current touch screens for portable devices such as phones and tablets. Numerous industries, including the textile sector, aerospace applications, general computing, electronics, and many more, have invested in graphene-based electronics solutions; owing to its incredible strength, high thermal conductivity, and high electron mobility, graphene has the potential to revolutionize electronics sectors globally. In addition, graphene is currently best known to the world in the electronics sector due to its [extremely](#) advantageous conductive qualities.

The growth of the global graphene electronics market size is majorly driven by the surge in sales of electric vehicles coupled with the thriving portable electronics industry. Moreover, superior performance and functionalities are expected to drive market growth. However, the high cost

and lack of awareness of graphene technology are acting as prime restraints on the global market. On the contrary, the rise in government initiatives in research and development is anticipated to provide lucrative opportunities for the graphene electronics industry during the forecast period.

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The graphene electronics market size report offers an in-depth analysis of the 10 prime market players that are active in the market. Moreover, it provides their thorough financial analysis, business strategies, SWOT profile, business overview, and recently launched products & services. In addition, the report offers recent market developments such as market expansion, mergers & acquisitions, and partnerships & collaborations. The prime market players studied in the report are AMG Advanced Metallurgical Group N.V., Graphene Platform Corporation, Graphene Frontiers LLC, Graphenea S.A., Talga Group, Graphene Square, Inc., NanoXplore Inc., First Graphene, Versarien plc, and Grafen Chemical Industries Co. Ltd. .

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The graphene electronics market is segmented on the basis of Product, Industry Vertical, and Region. The report offers an in-depth study of every segment, which helps market players and stakeholders to understand the fastest growing segments and highest grossing segments in the market.

The graphene electronics market is analyzed across the globe and highlight several factors that affect the performance of the market across the various region including North America (United States, Canada, and Mexico), Europe (Germany, France, UK, Russia, and Italy), Asia-Pacific (China, Japan, Korea, India, and Southeast Asia), South America (Brazil, Argentina, Colombia), Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, and South Africa).

The graphene electronics market report provides thorough information about prime end-users and annual forecast during the period from 2022 to 2030. Moreover, it offers revenue forecast for every year coupled with sales growth of the market. The forecasts are provided by skilled analysts in the market and after an in-depth analysis of the geography of the market. These forecasts are essential for gaining insight into the future prospects of the graphene electronics industry.

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- Figure out the market dynamics altogether.
- Inspect and scrutinize the competitive scenario and the future graphene electronics market landscape with the help of different strictures including Porter's five forces.
- Understand the impact of different government regulations throughout the global health crisis

and evaluate the graphene electronics market condition in the tough time.

- Consider the portfolios of the protruding players functional in the market in consort with the thorough study of their products/services.

- Have a compact idea of the highest revenue generating segment.

The research operandi of the global graphene electronics market includes significant primary as well as secondary research. When the primary methodology encompasses widespread discussion with a plethora of valued participants, the secondary research involves a substantial amount of product/service descriptions. Furthermore, several government sites, industry bulletins, and press releases have also been properly examined to bring forth high-value industry [insights](#).

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- In 2021, the batteries segment accounted for maximum revenue and is projected to grow at a notable CAGR of 35.7% during the forecast period.
- The automotive segment was the highest revenue contributor to the market in 2021.
- The automotive and consumer electronics segments collectively accounted for around 61.1% market share in 2021.
- Asia-Pacific acquired a major share in the graphene electronics market with an industry share of 35.0% in 2021

The market study further promotes a sustainable market scenario on the basis of key product offerings. On the other hand, Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network. The report provides an explicit global graphene electronics market breakdown and exemplifies how the opposition will take shape in the new few years to come. Rendering the top ten industry players functional in the market, the study emphasizes on the policies & approaches integrated by them to retain their foothold in the industry.

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We are in professional corporate relations with various companies, and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by

us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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