

# Expert View : [2024] 3D Graphene Market Value To Hit USD 39.1 Million, Growing at a CAGR of 31.6% by 2031

*The global 3d graphene market is projected to reach \$39.1 million by 2031, growing at a CAGR of 31.6% from 2022 to 2031.*

WILMINGTON, DELAWARE , UNITED STATES, April 16, 2024

/EINPresswire.com/ -- According to the report, the global [3D graphene industry](#) generated \$2.5 million in 2021 and is expected to generate \$39.1 million by 2031, witnessing a CAGR of 31.6% from 2022 to 2031. The rise in

the demand for graphene in the electronics sector owing to its excellent electrical mobility and permeability, the surge in the use of graphene in the energy industry, the increasing purchasing power of consumers and the rising consumer demand for electronic products, such as tablets and mobile phones drive the [global 3D graphene market](#). However, the toxic nature of graphene, risks involved in the graphene production, and the high production cost of graphene restrain the market growth. Moreover, the increased usage of 3D graphene in the healthcare sector will present new growth opportunities for the global 3D graphene market in the coming years.

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The 3D graphene market is a rapidly expanding sector within the realm of advanced materials. 3D graphene refers to graphene structures with a three-dimensional morphology, offering unique properties and applications compared to traditional two-dimensional graphene. This market is witnessing significant growth due to the material's exceptional conductivity, mechanical strength, and high surface area, which make it desirable for various industries such as electronics, energy storage, aerospace, and healthcare.

Allied Market Research published a report, titled, "3D Graphene Market by Application (Composites, Sensors, Energy storage, Others): Global Opportunity Analysis and Industry



Forecast, 2021-2031." The report offers a detailed analysis of changing market trends, top segments, key investment pockets, value chain, regional landscape, and competitive scenario.

Leading Market Players:

Integrated Graphene Ltd.

Ultrananotech Private Limited.

Graphex Group

NANOCHEMAZONE

G6 Materials Corp.

AMERICAN ELEMENTS

ACS Material

Nano Dimension

Lyten, Inc.

CVD Equipment Corporation

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The report analyzes these key players in the global 3D graphene 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.

#### KEY FINDINGS OF THE STUDY

On the basis of application, the energy storage segment was the largest revenue contributor in 2021 and is anticipated to register the highest CAGR of 31.8% during the forecast period.

On the basis of region, the Asia-Pacific segment was the largest revenue contributor, in 2021 and is anticipated to register the highest CAGR of 31.9% during the forecast period.

Want to Access the Statistical Data and Graphs, Key Players' Strategies: <https://bit.ly/4aYF6cD>

The energy storage segment to grab lion's share during the forecast period

In terms of application, the energy storage segment contributed to the largest share of more than two-fifths of the global 3D graphene industry in 2021 and is expected to maintain its leadership in terms of revenue during the forecast period. Also, the same segment is projected to witness a fastest CAGR of 31.86% from 2022 to 2031. The growth is attributed to the properties of 3D graphene like high conductivity, high resistance, and others. The report also discusses composites, sensors, and others segments.

Access Full Summary Report: <https://www.alliedmarketresearch.com/3d-graphene-market-A53670>

Asia-Pacific to achieve the largest revenue by 2031

Based on region, Asia-Pacific held the highest market share in terms of revenue in 2021, accounting for nearly two-fifths of the global 3D graphene market and is likely to dominate the market during the forecast period. The same region would portray the highest CAGR of 31.9% from 2022 to 2031. This is due to the highly developed electronic sector in China and the continuous investments done in the region through the years to advance the electronic sector. The report also analyzes markets in North America, Europe, and LAMEA regions.

For More Details: <https://www.prnewswire.com/news-releases/3d-graphene-market-to-garner-39-1-million-globally-by-2031-at-31-6-cagr-says-allied-market-research-301786757.html>

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