

Graphite Market to Expand to \$27.8 Billion by 2032 as EVs and Renewable Energy Drive Demand

WIN SIVERS DRIVE, OR, UNITED STATES, February 24, 2025 /EINPresswire.com/ -- Allied Market Research has recently released a comprehensive report on the global graphite industry, providing insights to help companies better understand the changing dynamics of the industry. According to the report, the [graphite market](#) size was valued at approximately \$17.4 billion in

2023 and is projected to garner a revenue of \$27.8 billion by 2032 with a CAGR of 5.3% from 2024 to 2032.



Graphite market growth is driven by increase in demand for lithium-ion batteries and considerable manufacturing of steel through electric arc furnaces (EAF)."

Allied Market Research (AMR)

For more information, contact us at amr@alliedmarketresearch.com:

<https://www.alliedmarketresearch.com/request-sample/1965>

The industry has experienced notable growth owing to rise in demand for lithium-ion batteries for various purposes. Moreover, increase in adoption of EVs and renewable energy solutions is expected to boost the demand for this

element in the forthcoming years. In addition, rapid growth in the use of graphite-filled filaments and powders in 3D printing is expected to create growth opportunities for the industry during the forecast period. However, emerging environmental regulations and sustainability concerns hamper industry growth moderately.

Recent advancements in graphite and graphene technologies have significantly influenced various industries, particularly in energy storage, electronics, and construction. Here are some of the key developments:

Graphite is increasingly used in battery electrodes for electric vehicles, enhancing range and charging times. Companies such as Graphite One focus on developing a vertically integrated supply chain for battery-grade graphite, aiming to reduce reliance on imports, particularly from China. Graphite One's strategy includes mining high-quality graphite from its Graphite Creek project in Alaska and developing an anode manufacturing facility in Ohio. This initiative is expected to enhance domestic production capabilities and support the surge in demand for advanced materials in the EV market, ensuring a stable supply for future energy storage solutions.

Request a sample of this report: <https://www.alliedmarketresearch.com/purchase-enquiry/1965>

Recent research has demonstrated that agricultural bio-waste can be converted into high-quality graphite, providing a sustainable alternative for various applications, including supercapacitors. This process utilizes the carbon-rich content of biomass, which is abundant and renewable. However, challenges such as impurities and optimization of processing conditions need to be addressed to enhance the quality of the produced graphite. Techniques such as pyrolysis and chemical treatments are used to effectively transform agricultural waste into valuable carbon materials, paving the way for environmentally friendly solutions in energy storage and other industries.

In addition, this material is researched for its potential in advanced nuclear reactors, where it serves as a moderator and structural material. Its exceptional thermal conductivity and chemical stability contribute to safer, more efficient reactor designs, offering a cleaner energy source that enhances the sustainability of nuclear power generation.

Request a sample of this report: <https://www.alliedmarketresearch.com/request-for-customization/1965>

Report highlights

The report offers a thorough analysis of the competitive landscape within the sector, detailing the major players in the industry. It examines leading companies to assess their market share, positioning, and competitive strengths, providing valuable insights into their roles in the market.

In addition, the company profile section presents various data points, including an overview of each company, key executives, primary growth strategies, and innovative initiatives that enhance their global presence. The report covers several top entities in the market, highlighting their contributions and strategies.

Key companies profiled in the report include:

GrafTech International

Nippon Kokuen Group

Mason Resources Inc

Asbury Carbons,

Westwater Resources

Qingdao Tennry Carbon Co.,Ltd

Triton Minerals Ltd

Tokai Carbon Co

NEXTSource Materials Inc.,

Focus Graphite

In conclusion, the AMR report delivers actionable insights and intelligence on the graphite industry, equipping businesses with the information needed to enhance their presence in the sector. The valuable findings presented in the study support companies in making informed investment decisions for sustainable growth in the long term.

□□□□ □□□□ □□□□□□:

Carbon Black in Lead-Acid Battery Market

<https://www.alliedmarketresearch.com/carbon-black-in-lead-acid-battery-market-A11043>

Silver Graphite Brush Market

<https://www.alliedmarketresearch.com/silver-graphite-brush-market>

Carbon Graphite Market

<https://www.alliedmarketresearch.com/carbon-graphite-market>

Isotropic Graphite Market

<https://www.alliedmarketresearch.com/isotropic-graphite-market>

Silver Graphite Market

<https://www.alliedmarketresearch.com/silver-graphite-market>

About Us:

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP, based in Portland, Oregon. AMR provides global enterprises as well as medium and small businesses with unmatched quality of “Market Research Reports” and “Business Intelligence Solutions.” AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

David Correa

Allied Market Research

+ + 1 800-792-5285

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

[YouTube](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/788662075>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.