

Green Carbon Market Analysis of Rising Business Opportunities with Prominent Investment & Forecast to 2031

The lithium-ion batteries segment contributed to the largest share of nearly three-fifths of the global green carbon market in 2025.

PORTLAND, OREGON, UNITED STATES, June 8, 2023 /EINPresswire.com/ -- The lithium-ion batteries segment contributed to the largest share of nearly three-fifths of the global [green carbon market](#) in 2025 and is expected

to maintain its dominance during the forecast period. Moreover, the same segment is projected to witness the fastest CAGR of 12.1% from 2022 to 2031. The increase in adoption of lithium-ion batteries in the renewable energy sector coupled with the rise in demand for plug-in electric vehicles has surged the demand for lithium-ion batteries where green/bio-based carbon is widely used for producing anode materials.

The report offers an extensive analysis of key growth strategies, drivers, opportunities, key segment, Porter's Five Forces analysis, and competitive landscape. This study is a helpful source of information for market players, investors, VPs, stakeholders, and new entrants to gain thorough understanding of the industry and determine steps to be taken to gain competitive advantage.

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The market in Europe was the largest in 2025, accounting for more than two-fifths of the global green carbon market and is likely to maintain its dominance during the forecast timeframe. The same segment is likely to show the fastest CAGR of 12.6% during the forecast period. Germany is the most promising country-level market in the region with increased production of biomass. According to a report published by Germany Bioenergy in 2021, around 55% of renewable energy is obtained from biomass. This may ease the green carbon producers for raw material



availability in the European region.

This makes it important to understand the practical implications of the green carbon market. To gain a competitive advantage, the players must have something unique. By tapping into the untapped market segment, they can establish a relevant point of differentiation, and this report offers an extension analysis of untapped segments to benefit the market players and new entrants to gain the market share.

The biomass segment grabbed the highest share of more than four-fifths of the green carbon market in 2025 and is expected to dominate the market in 2031. The same segment would witness the fastest CAGR of 11.9% from 2022 to 2031. The rise in awareness for eco-friendly activities coupled with rapid transition toward sustainable energy sources has surged the popularity of biomass-derived carbon owing to its environment-friendly properties.

KEY MARKET PLAYERS:

The report provides the SWOT analysis of the key market players Mitsui Chemicals, Inc., TEIJIN LIMITED, Charm Industrial, Drax, and Clean Energy Systems. which gives the business overview, financial analysis, and portfolio analysis of products and services. The latest news related to industry developments in terms of market expansions, acquisitions, growth strategies, joint ventures, collaborations, product launches, market expansions etc. are included in the report for the better understanding of the stakeholders in framing strategic decisions to gain long term profitability and market share.

Surge in population, the rise in demand for consumer goods which led to rapid urbanization and industrialization in both developed and developing economies, and the rise in release of toxic chemicals and gases from industries, transport vehicles, and others drive the green carbon market. However, the high cost of green carbon and skilled workforce needed for the production of green carbon are likely to hinder market growth during the forecast period.

NEED FOR THE REPORT:

The current situation of pandemic makes it very important for the stakeholders in the green carbon market to understand the market deeply, which will help them in taking sound decisions, to gain the competitive advantage. By exploring the unexplored areas of market, the key players can surely gain a larger market share.

According to the report, the global green carbon industry was valued at \$16.8 million in 2025 and is estimated to generate \$32.9 million by 2031, witnessing a CAGR of 11.9% from 2022 to 2031. The report offers a detailed analysis of changing market trends, top segments, key investment pockets, value chain, regional landscape, and competitive scenario.

KEY OFFERINGS OF THE REPORT:

Key drivers & Opportunities: An extensive analysis on key factors and opportunities available in different segments for strategizing.

Current trends & forecasts: A comprehensive analysis on latest trends, and forecasts for next few years to frame strategic decisions as a next step.

Segmental analysis: An extensive analysis of each segment and driving factors such as revenue and growth rate is offered.

Regional Analysis: A thorough analysis of each geographic region can help market players devise expansion strategies and gain from the opportunity.

Competitive Landscape: Useful insights on each of the leading market players for outlining competitive scenario and related strategies have been offered in the report.

Want to Access the Statistical Data and Graphs, Key Players' Strategies:

<https://www.alliedmarketresearch.com/green-carbon-market/purchase-options>

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