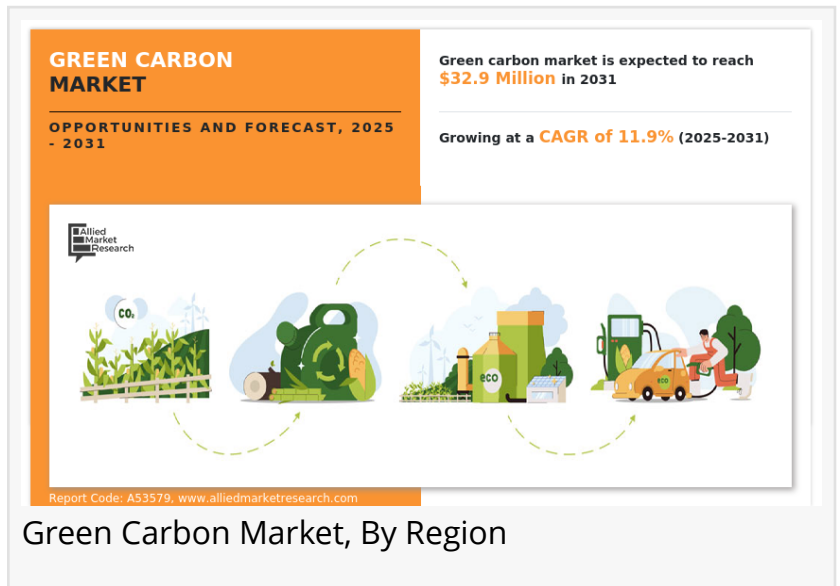


Green Carbon Market 2025 Innovative Report On New Business Developments and Top Key Companies

This growth is driven by the rising awareness of sustainable energy practices and the ongoing shift toward renewable and eco-friendly energy sources.

WILMINGTON, DE, UNITED STATES, November 3, 2025 /EINPresswire.com/ -- The global [green carbon market](#) is witnessing robust expansion, driven by the rising demand for consumer goods, growing emissions of toxic chemicals and gases from vehicles and industries, rapid urbanization, and increasing industrial activity worldwide.



According to a new report published by Allied Market Research, titled “Green Carbon Market by Source (Biomass, Environmental) and by Application (Supercapacitor, Fuel Cell, Lithium-ion Batteries, Others): Global Opportunity Analysis and Industry Forecast, 2025–2031”, the global green carbon industry generated \$16.8 million in 2025 and is projected to reach \$32.9 million by 2031, registering a CAGR of 11.9% from 2022 to 2031.

For more information, contact Allied Market Research at info@alliedmarketresearch.com:

<https://www.alliedmarketresearch.com/request-sample/A53579>

Key Market Drivers

The growth of the global green carbon market is primarily fueled by:

- The increasing release of toxic gases from transport vehicles and industrial processes.
- Rapid industrialization and urban development.
- Rising population and consumer demand.

However, the market faces challenges such as high production costs and a shortage of skilled labor. Despite these restraints, the increasing use of Li-ion batteries across multiple sectors and continuous R&D advancements are expected to unlock significant growth opportunities in the coming years.

Segment Insights:-

By Source: Biomass Segment Leads the Market

- The biomass segment accounted for over four-fifths of the global green carbon market revenue in 2025 and is expected to maintain its dominance through 2031. It is also forecast to register the highest CAGR of 11.9% during the forecast period.
- This growth is driven by the rising awareness of sustainable energy practices and the ongoing shift toward renewable and eco-friendly energy sources.

By Application: Lithium-ion Batteries Segment Dominates

- The lithium-ion batteries segment held nearly three-fifths of the global market share in 2025 and is projected to retain its leading position throughout the forecast period, with an estimated CAGR of 12.1%.
- The segment's growth is attributed to the increasing adoption of Li-ion batteries in renewable energy systems and the rising demand for plug-in electric vehicles (PEVs).

Regional Analysis:-

Europe to Retain Market Leadership:

- Europe dominated the global green carbon market in 2025, contributing to over two-fifths of total revenue, and is projected to sustain this lead through 2031, with a CAGR of 12.6%.
- Among European nations, Germany stands out as a key growth hub due to its extensive biomass production capacity. According to Germany Bioenergy (2021), approximately 55% of the country's renewable energy is derived from biomass sources, ensuring a reliable supply of raw materials for green carbon production in the region.

Leading Market Players:-

Key companies operating in the global green carbon market include:

- Babcock & Wilcox Enterprises, Inc.
- Clean Energy Systems

- Enviva
- Alstrom
- Orsted A/S
- Drax
- Charm Industrial
- Mitsui Chemicals, Inc.
- TEIJIN LIMITED
- Vattenfall AB

These market leaders are adopting strategic initiatives such as business expansion, partnerships, product innovations, and new technology development to strengthen their global presence and competitive positioning.

For more information on the Green Carbon Market, visit our website:

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

About Us

Allied Market Research 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.

Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. 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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