

Green Carbon Market Poised for Strong Growth and High Returns Through 2031

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WILMINGTON, DE, UNITED STATES, March 10, 2025 /EINPresswire.com/ -- The global [green carbon market](#) is experiencing significant growth, driven by increasing demand for consumer goods, rising emissions from transportation and industrial sectors, surging population, and accelerating urbanization and industrialization.



Allied Market Research has released a report titled "Green Carbon Market by Source (Biomass, Environmental), by Application (Supercapacitor, Fuel Cell, Lithium-ion Batteries, Others): Global Opportunity Analysis and Industry Forecast, 2025-2031." According to the report, the market was valued at \$16.8 million in 2025 and is projected to reach \$32.9 million by 2031, growing at a CAGR of 11.9% from 2022 to 2031. The study offers an in-depth analysis of market dynamics, key segments, investment opportunities, value chains, regional insights, and competitive landscapes.

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Market Drivers and Challenges:

The growth of the green carbon market is fueled by:

- Increasing awareness of sustainable practices.
- Rising adoption of Li-ion batteries.
- Advancements in research & development.

However, high production costs and a lack of skilled labor pose challenges to market expansion. Despite this, growing investments in green technologies and renewable energy solutions offer lucrative opportunities.

Key Market Segments:

Biomass Leads the Source Segment

- Accounted for over 80% of market revenue in 2025.
- Expected to maintain dominance with an 11.9% CAGR during the forecast period.
- Growth driven by increasing focus on sustainable energy sources.

Lithium-Ion Batteries Dominate the Application Segment

- Held nearly 60% of market share in 2025.
- Projected to expand at a 12.1% CAGR.
- Increasing use in renewable energy storage and electric vehicles driving demand.

Regional Insights: Europe Takes the Lead

- Europe is set to maintain its dominance, contributing to over 40% of market revenue in 2025 and exhibiting a 12.6% CAGR through 2031.
- Germany emerges as a key player due to its significant biomass production.
- A 2021 Germany Bioenergy report states that 55% of the country's renewable energy comes from biomass, ensuring raw material availability for green carbon production.

Key Market Players

The global green carbon market is highly competitive, with major players adopting strategic expansions, product innovations, and partnerships to strengthen their market presence.

Leading Companies:

- Babcock & Wilcox Enterprises, Inc.
- Clean Energy Systems
- Enviva
- Alstrom
- Orsted A/S
- Drax
- Charm Industrial
- Mitsui Chemicals, Inc.
- TEIJIN LIMITED

- Vattenfall AB

The green carbon market is positioned for remarkable growth, driven by sustainability initiatives, technological advancements, and increasing adoption across various industries.

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About Us

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. 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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