

# Green Technology & Sustainability Market by Offering (Solutions, and Services), Technology (IOT, Al & ML, Cloud Computing, Edge Computing, Digital Twin, Blockchain), Vertical (Manufacturing, Energy & Utilities) and Region - Global Forecast to 2030

Market Report | 2024-02-12 | 311 pages | MarketsandMarkets

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# Report description:

The global market for green technology and sustainability is projected to grow from USD 28.6 billion in 2024 to USD 134.9 billion by 2030, at a CAGR of 29.5% during the forecast period. Global businesses are undergoing a significant transformation by embracing green technology and sustainability initiatives. Key drivers include increasing environmental awareness, stringent regulations, and the pursuit of cost efficiencies. Companies are incorporating eco-friendly practices across their operations, from supply chain management to product development. Renewable energy adoption, waste reduction strategies, and sustainable sourcing are becoming standard practices. Moreover, businesses are recognizing the competitive advantage of portraying a green image, attracting environmentally conscious consumers and investors. This shift towards sustainability is reshaping industries, fostering innovation, and aligning businesses with the growing global emphasis on environmental responsibility.

"The retail & consumer goods vertical is projected to hold the largest CAGR during the forecast period."

The retail and consumer goods sector is poised for significant growth in the green technology and sustainability space. This growth is driven by several key factors. There is a substantial increase in consumer demand for eco-friendly and sustainable products, particularly among the younger generations. This demand is pushing retailers to offer more sustainable options. Also, regulatory pressure is mounting, compelling retailers to integrate sustainability practices across their supply chains. Additionally, technological advancements and the adoption of sustainability-enhancing technologies are playing a pivotal role in making the retail sector more sustainable. These factors collectively point to a robust growth trajectory for the retail & consumer goods sector in the green technology & sustainability domain.

"Among technology, IoT to account for the largest market during the forecast period."

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The Internet of Things (IoT) is significantly impacting the green technology and sustainability market. IoT is emerging as a viable technology for environmental sustainability solutions due to its ability to offer efficiency, accessibility, and real-time monitoring and control of environmental conditions. IoT devices can collect and share data, enabling the automation of smart decisions to reduce waste and environmental impact. In the context of green technology and sustainability, IoT is being used in various applications such as smart grids for optimizing electricity distribution, monitoring soil conditions in agriculture, and promoting sustainable farming practices. The IoT segment held a dominant market share in the green technology and sustainability market, and its ability to enhance resource efficiency and environmental monitoring positions it as a key player in driving the market's growth.

"Among Services, professional services is anticipated to account for the largest market share during the forecast period." Professional services firms are playing a crucial role in driving the growth of the green technology and sustainability market. According to SAP Insights, professional services firms are prioritizing measures that help them run more efficiently and reduce their environmental impact, such as office utilization and travel. They are also connecting sustainability to their overall service delivery and innovation strategies. Additionally, professional and managed services, including consulting, integration, deployment, support, and maintenance, are among the big growth areas in the market. Green IT consulting firms can help organizations mitigate transition risks in green IT and software adoption, and by nurturing a collaborative ecosystem of stakeholders within the value chain, organizations can benefit from green IT and software.

"North America to account for the largest market size during the forecast period."

The region's growth can be attributed to its initiatives and investments in promoting sustainable policies and the purchase of sustainable products and services. Major players in the green technology and sustainability market, such as Microsoft, GE, IBM, Oracle, Engie Impact, and many more are based in North America. These companies are expanding their business presence globally by embracing various corporate mergers and partnerships. The North American Climate, Energy, and Environment Partnership encourages the adoption of sustainable policies and the purchase of sustainable products and services, prioritizing soil health, biodiversity, and ecosystem services. Overall, North America's leadership in green technology & sustainability is driving the market's growth and setting a global example for other regions to follow.

#### Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), innovation and technology directors, system integrators, and executives from various key organizations operating in the Green technology and sustainability market.

- -□By Company: Tier I: 35%, Tier II: 45%, and Tier III: 20%
- By Designation: C-Level Executives: 35%, Directors: 25%, and Others: 40%
- -□By Region: North America: 40%, Europe: 20%, APAC: 30%, MEA: 5%, Latin America: 5%

Major vendors offering Green technology and sustainability solutions and services across the globe are GE (US), IBM (US), Salesforce (US), Microsoft (US), Schneider Electric (France), Sensus (US), Wolters Kluwer (Netherlands), SAP (Germany), Siemens (Germany), Oracle (US), Engie Impact (US), AWS (US), Google (US), ABB (Switzerland), Huawei (China), BT Group (UK), AMCS Group (Ireland), Cority (Canada), Intelex (Canada), Treeni (India), IsoMetrix (US), ConsenSys (US), CropX Technologies (Israel), Hortau (US), Pycno (UK), Wint (US), Envirosoft (Canada), Trace Genomics (US), Taransi (US), Oizom (India), Treevia Forest Technologies (Brazil), Factlines (Norway), ENECHANGE (Japan), EcoCart (US), AquiPor Technologies (US).

### Research Coverage

The market study covers Green technology and sustainability across segments. It aims to estimate the market size and the growth potential across different segments, such as offering, technology, vertical, and region. It includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

# Key Benefits of Buying the Report

The report would provide the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market for Green technology and sustainability and its subsegments. It would help stakeholders understand the competitive landscape and gain more insights to position their business and plan suitable go-to-market strategies. It also helps stakeholders understand the pulse of the market and provides them with information on key market drivers,

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restraints, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of key drivers (Growing awareness and concern towards the environment, Increase in government initiatives for low-carbon policies, Increasing consumer and industrial interest for use of clean energy resources to conserve the environment, Rising demand for Al-driven recycling technologies to fuel green innovations and sustainability), restraints (High costs for the deployment of green technology and sustainability solutions, Lack of robust infrastructure), opportunities (Transformation of IT and telecom infrastructure for low carbon emission, Adoption of advanced technologies, such as Al, IoT, and big data, across industries, Rising initiatives to tackle climate change and air pollution), and challenges (Lack of tailored solutions to address unique environmental issues, Lack of regulations for green technology, Dynamic nature of consumer preferences)
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new solutions & service launches in the Green technology and sustainability market.
- Market Development: Comprehensive information about lucrative markets? the report analyses the Green technology and sustainability market across varied regions.
- Market Diversification: Exhaustive information about new solutions & services, untapped geographies, recent developments, and investments in Green technology and sustainability market strategies; the report also helps stakeholders understand the pulse of the Green technology and sustainability market and provides them with information on key market drivers, restraints, challenges, and opportunities.
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players such as GE (US), IBM (US), Salesforce (US), Microsoft (US), Schneider Electric (France), Sensus (US), Wolters Kluwer (Netherlands), SAP (Germany), Siemens (Germany), Oracle (US), and others in the Green technology and sustainability market.

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