

## **Carbon Management Software: Global Market Outlook**

Market Research Report | 2023-01-05 | 58 pages | BCC Research

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### **Report description:**

Description

Report Scope:

The report provided an overview of the global market for carbon management software. Using 2021 as the base year, the report provided estimated market data for the forecast period of 2022 to 2027. Revenue forecasts for this period are segmented by solution, deployment mode, industry and geography. Market values have been estimated based on the total revenue from subscriptions of carbon management software.

The report also analyzed major market trends, future analysis and concludes with a brief profile of the major players in the market.

Report Includes:

- An overview of the global market outlook for carbon management software
- Analyses of the global and regional market trends, with historic sales data for 2021, estimates for 2022, 2023, 2025, and projections of compound annual growth rates (CAGRs) through 2027
- Estimation of the actual market size and revenue forecast for global carbon management software market in USD millions, and corresponding market share analysis based on solution, deployment mode, end-user industry, and region
- In-depth information (facts and figures) concerning the major market dynamics, technology updates, government mandates/regulations, and competitive environment of leading industry participants
- Assessment of viable technology drivers through a holistic review of various carbon emission policies in response to the demand for rapid decarbonization, and impact of COVID-19 pandemic and lockdown restrictions on global carbon emissions
- Identification of the major stakeholders and analysis of the company competitive landscape based on recent developments,

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financial performance, and segmental revenues  
- Descriptive company profiles of the industry leading players

## Executive Summary

### Summary:

Carbon management software is a tool that assists businesses in planning and implementing carbon management strategies. It also helps them accurately measure and reduce their carbon footprint, as well as meet corporate sustainability goals and government mandates. The implementation of carbon emission policies in response to the demand for rapid decarbonization is the primary driving force for the market.

Enterprises and manufacturing plants can track their carbon and greenhouse gas (GHG) emissions more accurately and in real-time with advanced software-based carbon management systems than with legacy monitoring systems. These systems aid in managing, reporting and finding unique insights to reduce emissions.

The shift toward more circular and sustainable modes of production and consumption is driving a shift toward greater energy efficiency and a smaller carbon footprint. Furthermore, the growing involvement of digital platforms is driving the development of new services and software applications that can optimize society's energy consumption, cut costs and reduce the carbon footprint.

Every business is unique, as is every carbon management strategy. Some plans are more comprehensive than others. However, monitoring and reporting on emissions will help businesses understand where they are and where they want to go in terms of sustainability. It is important for each organization to engage the workforce in discussions about sustainability goals and encourage them to consider alternative approaches to achieving net zero targets, as well as to propose previously unconsidered ideas.

Companies such as Tesla are tracking electricity and natural gas usage for their sites. The 2021 version of the impact report released by Tesla indicated that indirect GHG emissions from the generation of the electricity purchased by Tesla for site operations accounted for a quantity of REDACTED metric tons of CO<sub>2</sub>e, whereas direct GHG emissions occurring from stationary combustion, mobile combustion and process emissions stood at REDACTED metric tons CO<sub>2</sub>e. The company is planning to build out its global carbon emissions data in the future.

A go-slow approach might have made sense from a business standpoint a decade ago, but today, as the transition of the world economy to a low-carbon foundation accelerates, that strategy is risky. The temptation for leaders as they navigate this inevitable transition is to do what is expedient today and respond to key stakeholders by setting appropriate emissions reduction targets, disclosing robust and assured climate data, and adjusting their businesses to a more sustainable footing. These, combined, represent a critical focus for every business in the future.

The geographic analysis of the carbon management software market includes the current market scenario and future growth prospects across the different regions covered in this report: North America, Europe, Asia-Pacific, and Latin America, and the Middle East and Africa. The chapter that discusses the global market by region explores the main factors that drive these segments of the market and the impact that those factors are projected to have during the forecast period.

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