

Carbon Accounting Software Market Outlook 2025-2034: Market Share, and Growth Analysis By Software Type (Emission Management Software, Software For Carbon Offsetting, Software For Energy Management), By Deployment (Cloud-Based, On- Premise), By Industry

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Abstracts

The Carbon Accounting Software Market is valued at USD 18.6 billion in 2025 and is projected to grow at a CAGR of 20.2% to reach USD 97.6 billion by 2034.

Carbon Accounting Software Market

The carbon accounting software market is a rapidly growing segment within the sustainability and environmental management industry. As businesses face increasing pressure from regulators, investors, and consumers to reduce their carbon footprint, the demand for reliable, efficient, and transparent carbon accounting solutions has surged. These software platforms help organizations measure, track, and report their greenhouse gas emissions, providing actionable insights to support emission reduction goals, compliance requirements, and long-term sustainability strategies.

Recent trends in the market include the integration of artificial intelligence and machine learning to enhance data accuracy and identify reduction opportunities. Cloud-based platforms and SaaS (Software-as-a-Service) models have also gained popularity, offering scalability, flexibility, and ease of use for companies of all sizes. Furthermore, carbon accounting software now incorporates features such as scenario analysis, benchmarking, and supplier engagement tools, allowing businesses to proactively manage their emissions across complex supply chains and global operations.

Geographically, North America and Europe are the leading regions in the carbon accounting software market, driven by stringent environmental regulations, a proactive approach to sustainability, and high adoption of advanced digital tools. However, the Asia-Pacific region is quickly emerging as a key growth area due to increasing industrialization, expanding renewable energy investments, and growing awareness of corporate environmental responsibility. As more organizations recognize the value of transparent carbon accounting, this market is set to expand further, supporting the global transition to a low-carbon economy.

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Key Insights Carbon Accounting Software Market

Adoption of AI and machine learning for enhanced emission data accuracy and prediction.

Increased integration with enterprise resource planning (ERP) and financial management systems.

Development of industry-specific carbon accounting solutions.

Growing popularity of cloud-based and SaaS models for ease of deployment and scalability.

Expansion of reporting capabilities to include supply chain emissions and Scope 3 data.

Rising regulatory and compliance requirements for greenhouse gas reporting.

Growing investor and consumer demand for transparent sustainability practices.

Increased corporate commitments to carbon neutrality and net-zero goals.

Advancements in technology that make carbon accounting more accessible and cost-effective.

Complexity of gathering accurate data from diverse sources across global operations.

High initial costs for software implementation and integration with existing systems.

Inconsistencies in global carbon accounting standards and frameworks.

Carbon Accounting Software Market Segmentation

By Software Type

Emission Management Software

Software For Carbon Offsetting

Software For Energy Management

By Deployment

Cloud-Based

On-Premise

By Industry

Energy And Utilities

IT And Telecom

Healthcare

Transportation And Logistics

Retail

Construction And Infrastructure

Food And Beverages

Chemicals

Other Industry

Key Companies Analysed

Persefoni AI Inc.

SAP SE

Net0 Software Limited

Diligent Corporation

IBM Environmental Intelligence Suite

Sphera Solutions Inc.

Envizi

Emitwise Ltd.

OneTrust LLC

Carbon Analytics

Greenly Company

Carbon Clear Limited

Sinai Technologies

CarbonetiX

Salesforce Inc.

Rev-ID International Ltd.

CarbonChain Inc.

Watershed Technology Inc.

Pangolin Associates Pty. Ltd.

eValue8 B.V

Carbonstop

South Pole Group

Ecometrica

Climate Earth Inc.

TerraPass Inc

Carbon Accounting Software Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Carbon Accounting Software Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers &

acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Carbon Accounting Software market data and outlook to 2034

United States

Canada

Mexico

Europe — Carbon Accounting Software market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Carbon Accounting Software market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Carbon Accounting Software market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Carbon Accounting Software market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Carbon Accounting Software value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Carbon Accounting Software industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Carbon Accounting Software Market Report

Global Carbon Accounting Software market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Carbon Accounting Software trade, costs, and supply chains

Carbon Accounting Software market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Carbon Accounting Software market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Carbon Accounting Software market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Carbon Accounting Software supply chain analysis

Carbon Accounting Software trade analysis, Carbon Accounting Software market price analysis, and Carbon Accounting Software supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Carbon Accounting Software market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL CARBON ACCOUNTING SOFTWARE MARKET SUMMARY, 2025

- 2.1 Carbon Accounting Software Industry Overview
 - 2.1.1 Global Carbon Accounting Software Market Revenues (In US\$ billion)
- 2.2 Carbon Accounting Software Market Scope
- 2.3 Research Methodology

3. CARBON ACCOUNTING SOFTWARE MARKET INSIGHTS, 2024-2034

- 3.1 Carbon Accounting Software Market Drivers
- 3.2 Carbon Accounting Software Market Restraints
- 3.3 Carbon Accounting Software Market Opportunities
- 3.4 Carbon Accounting Software Market Challenges
- 3.5 Tariff Impact on Global Carbon Accounting Software Supply Chain Patterns

4. CARBON ACCOUNTING SOFTWARE MARKET ANALYTICS

- 4.1 Carbon Accounting Software Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Carbon Accounting Software Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Carbon Accounting Software Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Carbon Accounting Software Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Carbon Accounting Software Market
 - 4.5.1 Carbon Accounting Software Industry Attractiveness Index, 2025
 - 4.5.2 Carbon Accounting Software Supplier Intelligence
 - 4.5.3 Carbon Accounting Software Buyer Intelligence
 - 4.5.4 Carbon Accounting Software Competition Intelligence
 - 4.5.5 Carbon Accounting Software Product Alternatives and Substitutes Intelligence
 - 4.5.6 Carbon Accounting Software Market Entry Intelligence

5. GLOBAL CARBON ACCOUNTING SOFTWARE MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Carbon Accounting Software Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Carbon Accounting Software Sales Outlook and CAGR Growth By Software Type, 2024- 2034 (\$ billion)

5.2 Global Carbon Accounting Software Sales Outlook and CAGR Growth By Deployment, 2024- 2034 (\$ billion)

5.3 Global Carbon Accounting Software Sales Outlook and CAGR Growth By Industry, 2024- 2034 (\$ billion)

5.4 Global Carbon Accounting Software Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC CARBON ACCOUNTING SOFTWARE INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Carbon Accounting Software Market Insights, 2025

6.2 Asia Pacific Carbon Accounting Software Market Revenue Forecast By Software Type, 2024- 2034 (USD billion)

6.3 Asia Pacific Carbon Accounting Software Market Revenue Forecast By Deployment, 2024- 2034 (USD billion)

6.4 Asia Pacific Carbon Accounting Software Market Revenue Forecast By Industry, 2024- 2034 (USD billion)

6.5 Asia Pacific Carbon Accounting Software Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.5.1 China Carbon Accounting Software Market Size, Opportunities, Growth 2024-2034

6.5.2 India Carbon Accounting Software Market Size, Opportunities, Growth 2024-2034

6.5.3 Japan Carbon Accounting Software Market Size, Opportunities, Growth 2024-2034

6.5.4 Australia Carbon Accounting Software Market Size, Opportunities, Growth 2024-2034

7. EUROPE CARBON ACCOUNTING SOFTWARE MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

- 7.1 Europe Carbon Accounting Software Market Key Findings, 2025
- 7.2 Europe Carbon Accounting Software Market Size and Percentage Breakdown By Software Type, 2024- 2034 (USD billion)
- 7.3 Europe Carbon Accounting Software Market Size and Percentage Breakdown By Deployment, 2024- 2034 (USD billion)
- 7.4 Europe Carbon Accounting Software Market Size and Percentage Breakdown By Industry, 2024- 2034 (USD billion)
- 7.5 Europe Carbon Accounting Software Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)
 - 7.5.1 Germany Carbon Accounting Software Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 United Kingdom Carbon Accounting Software Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 France Carbon Accounting Software Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 Italy Carbon Accounting Software Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 Spain Carbon Accounting Software Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA CARBON ACCOUNTING SOFTWARE MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

- 8.1 North America Snapshot, 2025
- 8.2 North America Carbon Accounting Software Market Analysis and Outlook By Software Type, 2024- 2034 (\$ billion)
- 8.3 North America Carbon Accounting Software Market Analysis and Outlook By Deployment, 2024- 2034 (\$ billion)
- 8.4 North America Carbon Accounting Software Market Analysis and Outlook By Industry, 2024- 2034 (\$ billion)
- 8.5 North America Carbon Accounting Software Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)
 - 8.5.1 United States Carbon Accounting Software Market Size, Share, Growth Trends and Forecast, 2024- 2034
 - 8.5.1 Canada Carbon Accounting Software Market Size, Share, Growth Trends and Forecast, 2024- 2034
 - 8.5.1 Mexico Carbon Accounting Software Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA CARBON ACCOUNTING SOFTWARE MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Carbon Accounting Software Market Data, 2025

9.2 Latin America Carbon Accounting Software Market Future By Software Type, 2024-2034 (\$ billion)

9.3 Latin America Carbon Accounting Software Market Future By Deployment, 2024-2034 (\$ billion)

9.4 Latin America Carbon Accounting Software Market Future By Industry, 2024- 2034 (\$ billion)

9.5 Latin America Carbon Accounting Software Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Carbon Accounting Software Market Size, Share and Opportunities to 2034

9.5.2 Argentina Carbon Accounting Software Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA CARBON ACCOUNTING SOFTWARE MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Carbon Accounting Software Market Statistics By Software Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Carbon Accounting Software Market Statistics By Deployment, 2024- 2034 (USD billion)

10.4 Middle East Africa Carbon Accounting Software Market Statistics By Industry, 2024- 2034 (USD billion)

10.5 Middle East Africa Carbon Accounting Software Market Statistics by Country, 2024- 2034 (USD billion)

10.5.1 Middle East Carbon Accounting Software Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Carbon Accounting Software Market Value, Trends, Growth Forecasts to 2034

11. CARBON ACCOUNTING SOFTWARE MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Carbon Accounting Software Industry

11.2 Carbon Accounting Software Business Overview

11.3 Carbon Accounting Software Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global Carbon Accounting Software Market Volume (Tons)

12.1 Global Carbon Accounting Software Trade and Price Analysis

12.2 Carbon Accounting Software Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Carbon Accounting Software Industry Report Sources and Methodology

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