

Carbon-Smart E-Commerce Checkout Offset Market: Trends, Applications, Verticals, Regions & Forecast to 2029

*The Business Research Company's
Carbon-Smart E-Commerce Checkout
Offset Market: Trends, Applications,
Verticals, Regions & Forecast to 2029*

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What Is The Estimated Industry Size Of Carbon-Smart E-Commerce Checkout Offset Market?

The size of the carbon-smart e-commerce checkout offset sector has rapidly expanded in the past few years. The prediction is that it will rise from \$1.44 billion in 2024 to \$1.75 billion in 2025, with a compound annual growth rate (CAGR) of 21.1%. This significant increase during the historic period is due to various factors: enhancing consumer understanding of climate change, escalating pressure from environmental regulation, expanding corporate social responsibility schemes, burgeoning demand for sustainable shopping, and the rising uptake of discretionary carbon offsets.

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It will grow to \$3.71 billion in 2029 at a compound annual growth rate (CAGR) of 20.7%.”

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Anticipations are high for the carbon-smart e-commerce checkout offset market, as it is predicted to experience a surging growth in the coming years. By 2029, the market is likely to hit a value of \$3.71 billion, with a compound annual growth rate (CAGR) of 20.7%. Factors contributing to this expected growth during the forecast period encompass the escalating desire for carbon-neutral delivery methods, the expansion of corporate sustainability obligations, the amplification of carbon offset programs, and the increasing adoption of green supply chain solutions. Also, the mounting pressure from stakeholders for environmentally friendly operations plays a vital role. Key developments projected in the forecast period involve advancements in carbon tracking technology, innovation in checkout offset application

programming interface (APIs), the advent of blockchain for offset transparency, and an increased investment in climate-tech startups, along with extensive research in climate impact modelling.

Download a free sample of the carbon-smart e-commerce checkout offset market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=27571&type=smp>

What Are The Major Factors Driving The Carbon-Smart E-Commerce Checkout Offset Global Market Growth?

Rising consumer consciousness concerning climate change is anticipated to fuel the expansion of the carbon-smart e-commerce checkout offset market. This term refers to extensive shifts in global or regional weather patterns, mainly attributed to human activities and the emissions of greenhouse gases. Increased greenhouse gas emissions due to human activities are exacerbating climate change, increasing heat trapped in the atmosphere and leading to a global temperature rise. Carbon-smart e-commerce checkout offset assists in combating climate change by allowing businesses and customers to counterbalance carbon emissions from online transactions through endorsing verified carbon reduction projects and endorsing environmentally friendly practices to minimize the ecological impact of digital commerce. For example, Which?, a charity entity based in the UK, reported in September 2023 that the proportion of UK adults acknowledging personal responsibility in addressing climate change had risen from 77% in June 2021 to 78% in June 2022, and subsequently spiked to 82% by June 2023. Hence, the escalating awareness about climate change is propelling the carbon-smart e-commerce checkout offset market's growth.

Who Are The Leading Companies In The Carbon-Smart E-Commerce Checkout Offset Market?

Major players in the Carbon-Smart E-Commerce Checkout Offset Global Market Report 2025 include:

- Shopify Inc.
- Ecommpay
- SDLC Corp.
- Greenly SAS
- EcoMatcher Limited
- Cool Effect Inc.
- Carbon Footprint Ltd.
- CarbonClick Limited
- CarbonSifr
- ClimateTrade Inc.

What Are The Top Trends In The Carbon-Smart E-Commerce Checkout Offset Industry?

Leading companies in the carbon-smart e-commerce checkout offset market are developing unique, innovative solutions, which include the creation of carbon offset sales schemes, to encourage more environmentally friendly purchasing habits. Such an initiative lets firms offer their customers an opportunity to counterbalance the carbon emissions resulting from their purchased goods by backing certified initiatives that either decrease or eliminate the emission of

greenhouse gases, thereby shrinking their environmental footprint. An apt illustration of this occurred in December 2024, when DevvStream Corp., a carbon credit project co-development and manufacturing company based in Canada, introduced DevvStream for Commerce – a carbon offset sales strategy. This new product range's main focus is B2B and B2B2C carbon offset sales, its inaugural application happens to be the D-PIVOT tool. D-PIVOT seamlessly integrates with Shopify stores, empowering users to voluntarily buy carbon offsets when they checkout, thereby diminishing the carbon footprint of shipping emissions. The scheme is designed to cater to corporations and individual consumers alike, and by leveraging alliances with companies like Minimus Fulfillment, it extends its reach into the e-commerce sector and manages transportation emissions, which account for nearly 30% of greenhouse gases in the U.S.

What Are The Primary Segments Covered In The Global Carbon-Smart E-Commerce Checkout Offset Market Report?

The carbon-smart e-commerce checkout offset market covered in this report is segmented

- 1) By Solution Type: Application Programming Interface Integration, Platform Plug-Ins, Custom Checkout Solutions
- 2) By Deployment Mode: Cloud-Based, On-Premises
- 3) By Application: Retail, Travel, Food Delivery, Digital Goods, Other Applications
- 4) By Distribution Channel: Direct, Third-Party Marketplaces
- 5) By End-User: Small And Medium Enterprises, Large Enterprises

Subsegments:

- 1) By Application Programming Interface Integration: Software Development Kits, Application Programming Interface Libraries, Microservices, Webhooks
- 2) By Platform Plug-Ins: E-Commerce Platform Plugins, Content Management System Plugins, Point Of Sale System Plugins, Analytics And Reporting Plugins
- 3) By Custom Checkout Solutions: Mobile Checkout Solutions, Web Checkout Solutions, In-App Checkout Solutions, Multi-Currency

View the full carbon-smart e-commerce checkout offset market report:

<https://www.thebusinessresearchcompany.com/report/carbon-smart-e-commerce-checkout-offset-global-market-report>

Which Region Is Forecasted To Grow The Fastest In The Carbon-Smart E-Commerce Checkout Offset Industry?

In 2024, North America led the global market for carbon-smart e-commerce checkout offsets. However, Asia-Pacific is predicted to witness the quickest growth during the forecast period. The report on the carbon-smart e-commerce checkout offsets market includes the following regions: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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