+357 96 030922
info@marketpublishers.com

Carbon Credit Trading Market Forecasts to 2032 – Global Analysis By Type (Compliance Carbon and Voluntary Carbon), Project Type, Component, Trading Type, End User and By Geography

https://marketpublishers.com/r/C50A0506EB8FEN.html
Date: November 2025
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: C50A0506EB8FEN

Abstracts

According to Stratistics MRC, the Global Carbon Credit Trading Market is accounted for $16.53 billion in 2025 and is expected to reach $185.02 billion by 2032 growing at a CAGR of 41.2% during the forecast period. Carbon credit trading refers to a market mechanism that enables businesses to exchange carbon credits, each symbolizing a specific amount of permissible greenhouse gas emissions. The system promotes emission reduction by capping overall emissions and incentivizing firms to use sustainable practices. Companies that produce fewer emissions than their limit can trade or sell excess credits to those surpassing their allowed quotas, fostering environmental responsibility and economic efficiency.

Market Dynamics:

Driver:

Corporate Net-Zero & ESG pledges

Companies across industries are pledging to reduce or offset their greenhouse gas emissions to align with sustainability goals and investor expectations. These commitments are fueling demand for verified carbon credits as firms seek credible pathways to achieve neutrality. Increasing stakeholder pressure for transparency and environmental accountability is reinforcing market participation. Governments and global organizations are also encouraging corporate disclosures related to emissions and offset activities. As a result, the integration of carbon offsetting into long-term ESG strategies is significantly boosting market expansion.

Restraint:

Lack of universal standards and integrity

Variations in methodologies and certification processes lead to inconsistencies in credit valuation and reliability. This lack of integrity creates skepticism among investors and corporations, slowing large-scale participation. Disparities between compliance and voluntary market frameworks further complicate transparency and comparability. Some credits fail to represent genuine emission reductions, reducing market confidence. Without harmonized global guidelines, the credibility and scalability of carbon trading remain limited.

Opportunity:

Nature-based solutions (NBS) expansion

Initiatives such as afforestation, reforestation, and wetland restoration are gaining momentum as cost-effective methods to sequester carbon. Governments, NGOs, and corporations are increasingly investing in ecosystem-based projects to generate high-quality carbon credits. Advances in remote sensing and digital MRV (Monitoring, Reporting, and Verification) tools are enhancing the traceability of NBS projects. These initiatives not only contribute to carbon reduction but also promote biodiversity and community resilience. As sustainability financing grows, NBS-driven credits are expected to play a central role in future carbon markets.

Threat:

Stricter regulatory limits on offset use

Governments and international bodies are introducing policies that limit how much companies can rely on offsets instead of direct emission reductions. Such restrictions may reduce corporate demand for credits in compliance systems. Critics argue that overreliance on offsets can delay real decarbonization efforts, prompting stricter oversight. As a result, firms may face additional compliance burdens and need to adopt integrated emission reduction strategies. Increasing scrutiny of offset validity and double-counting risks could also constrain voluntary market flexibility.

Covid-19 Impact:

The Covid-19 pandemic disrupted carbon trading activities by slowing industrial production and reducing emissions temporarily. Lockdowns led to fluctuations in credit prices as demand from key sectors like aviation and manufacturing declined. However, the crisis renewed focus on sustainability, prompting governments and corporations to reinforce their climate action commitments. Digital platforms for carbon trading and project verification gained prominence as remote operations became necessary. Post-pandemic recovery programs have increasingly incorporated green investment and decarbonization goals.

The compliance carbon segment is expected to be the largest during the forecast period

The compliance carbon segment is expected to account for the largest market share during the forecast period, due to its critical role in meeting mandatory emission reduction targets. Governments worldwide are strengthening cap-and-trade systems that require industries to purchase credits for regulatory compliance. The demand for regulated carbon allowances remains high across power generation, manufacturing, and energy sectors. Enhanced policy frameworks such as the EU Emissions Trading System (EU ETS) and China's national carbon market are further driving growth.

The agriculture segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the agriculture segment is predicted to witness the highest growth rate, driven by practices such as regenerative farming, soil carbon storage, and agroforestry. Heightened climate concerns, supportive government programs, and corporate sustainability pledges are motivating farmers to adopt eco-friendly techniques like conservation tillage, crop diversification, and efficient irrigation. These methods cut emissions while improving soil quality, producing tradable credits. Expanding participation from smallholders, digital monitoring solutions, and rising demand for nature-based offsets are further strengthening agriculture's position in carbon markets.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, due to strong government initiatives and industrial expansion. Countries such as China, India, and Japan are implementing large-scale carbon pricing mechanisms and sustainability frameworks. Rapid urbanization and energy consumption in these economies have heightened focus on emission reduction strategies. Investments in renewable energy and reforestation projects are generating significant carbon credit volumes. Regional cooperation through cross-border carbon markets is also improving liquidity and transparency.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to advancing regulatory frameworks and corporate sustainability efforts. The U.S. and Canada are expanding their regional carbon markets and voluntary offset programs. Rising participation from technology, energy, and manufacturing sectors is strengthening the market landscape. The integration of blockchain and AI is enhancing credit traceability and authenticity. Supportive policies promoting clean energy transitions and carbon removal technologies are further propelling market adoption.

Key players in the market

Some of the key players in Carbon Credit Trading Market include Verra, S&P Global, Gold Standard, Sylvera, South Pole, BlueSource, ClimatePartner, Climate Impact X, Climate Impact Partners, Carbon Trust, EcoAct, Xpansiv, CME Group, European Energy Exchange, and Intercontinental Exchange.

Key Developments:

In November 2025, S&P Global announced the successful completion of its acquisition of ORBCOMM's Automatic Identification System (AIS) business. The AIS business is a leading provider of satellite data services used to track and monitor vessels, enhancing maritime visibility and delivering critical insights that support business intelligence and decision-making for clients worldwide.

In October 2025, Verra and Indonesia have signed an agreement that formalizes their partnership to expand the country’s access to climate finance and strengthen the integrity of its carbon markets. The Mutual Recognition Agreement (MRA) between Verra, the world’s leading standards setter for climate action and sustainable development, and Indonesia’s Ministry of Environment/Environmental Protection Agency (MoE/EPA) was signed today and is effective immediately.

Types Covered:

Compliance Carbon

Voluntary Carbon

Project Types Covered:

Renewable Energy Projects

Energy Efficiency Projects

Forestry and Land Use Projects

Waste Management Projects

Industrial Processes

Carbon Capture, Utilization, and Storage (CCUS)

Components Covered:

Platforms & Exchanges

Services

Trading Types Covered:

Spot Trading

Futures Trading

Options Trading

End Users Covered:

Power Generation

Oil & Gas

Manufacturing

Transportation

Agriculture

Construction and Real Estate

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

+357 96 030922
info@marketpublishers.com

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

10 GLOBAL CARBON CREDIT TRADING MARKET, BY GEOGRAPHY

11 KEY DEVELOPMENTS

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Carbon Credit Trading Market Forecasts to 2032 – Global Analysis By Type (Compliance Carbon and Voluntary Carbon), Project Type, Component, Trading Type, End User and By Geography

Product link: https://marketpublishers.com/r/C50A0506EB8FEN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/C50A0506EB8FEN.html