

Decarbonization Market Size, Share & Trends Analysis Report By Technology (Renewable Energy Technologies, Energy Efficiency Solutions, Electric Vehicles (EVs)), By Services, By Deployment, By End-user, By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/D75A398968CEEN.html>

Date: January 2025

Pages: 100

Price: US\$ 5,950.00 (Single User License)

ID: D75A398968CEEN

Abstracts

This report can be delivered to the clients within 4 Business Days

Decarbonization Market Growth & Trends

The global decarbonization market size is estimated to reach USD 4.06 trillion by 2030, registering a CAGR of 11.7% from 2025 to 2030, according to a new report by Grand View Research, Inc. Decarbonization is about reducing CO2 emissions resulting from human activity, with the eventual goal of eliminating them. Technologies for decarbonization are advancing quickly. Sector-specific energy efficiency and demand-side policies will continue to impact and primarily coincide with investment and retrofit cycles. In hard-to-decarbonize industries, CCUS (Carbon capture, utilization, and storage) and hydrogen will co-exist and play a crucial balancing role with effects seen after 2030.

The transition to Net Zero will involve many dimensions covering infrastructure, technology, capital, and above all people who will need to act together to make this happen. To accelerate the transformation required to reach Net Zero by 2050, the Climate Ambition Alliance was formed ahead of the 2021 United Nations Climate Change Conference, also known as COP26, to align decarbonization efforts by countries, corporations, cities and further facilitate the countries to submit their enhanced nationally determined contributions (NDCs), targeting the emission reduction requirements. As of September 2020, more than 120

countries have committed to Net Zero targets through the Climate Ambition Alliance.

Globally, an increasing number of companies have made climate change mitigation commitments chart a path towards decarbonization. A larger number of companies are now going for public disclosure on their emissions and setting ambitious targets for themselves. Several initiatives including science-based targets initiative, UN – Global Impact, Business Ambition for 1.5°C, and B-Corps commitment to reach Net Zero, have witnessed enhanced corporate participation in recent years.

Significant initiatives by governments are fueling the market growth. For instance, The government of Japan has set goals for reaching carbon neutrality by 2050 and cutting carbon emissions by 50% by 2030. For instance, in September 2022, GE Renewable Energy declared the company had been chosen as the provider for the Fukaura Wind Farm in Japan by GPI (Green Power Investment). The project is GE's third with GPI in Japan and will include 19 units of the 4.2-117 onshore wind turbine. A 10-year full-service contract with the option of an extension is also included in the agreement. Tohoku Electric Power Co., Inc. is assisting the project as a strategic partner in GPI's efforts in the Tohoku region.

Decarbonization Market Report Highlights

Based on technology, the renewable energy technologies segment led the market and accounted for over 70.7% share of the global revenue in 2024. Renewable energy plants in regions have increased owing to the stringent government regulations regarding emissions. The power scenario in the country has been witnessing a change with the increased adoption of gas-based and renewable power sources as compared to coal-based power generation

Based on service, the sustainable transportation services segment led the market in 2024. Sustainable transportation services refer to options and solutions that prioritize environmental sustainability, reduce carbon emissions, minimize resource consumption, and promote social and economic well-being

Based on deployment, the cloud segment is expected to grow

at the fastest CAGR over the forecast period. Deploying decarbonization over the cloud is cost-effective, highly scalable, and provides easier execution, maintenance, and upgrades. This is expected to bode well for the growth of the segment

The oil and gas end-use industry contributes significantly to global greenhouse gas emissions through the extraction, production, and use of fossil fuels. Decarbonization in the oil and gas sector refers to attempts to minimize the industry's carbon footprint and transition to a more sustainable and low-carbon energy future

The expanding installation of solar power projects in China and India is driving the demand for renewable energy solutions in the Asia Pacific.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Research Methodology
 - 1.2.1. Information Procurement
- 1.3. Information or Data Analysis
- 1.4. Methodology
- 1.5. Research Scope and Assumptions
- 1.6. Market Formulation & Validation
- 1.7. Country Based Segment Share Calculation
- 1.8. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. DECARBONIZATION MARKET VARIABLES, TRENDS, & SCOPE

- 3.1. Market Lineage Outlook
- 3.2. Market Dynamics
 - 3.2.1. Market Driver Analysis
 - 3.2.2. Market Restraint Analysis
 - 3.2.3. Industry Challenge
 - 3.2.4. Industry Opportunities
- 3.3. Decarbonization Market Analysis Tools
 - 3.3.1. Industry Analysis - Porter's
 - 3.3.1.1. Bargaining power of the suppliers
 - 3.3.1.2. Bargaining power of the buyers
 - 3.3.1.3. Threats of substitution
 - 3.3.1.4. Threats from new entrants
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political landscape
 - 3.3.2.2. Economic and Social landscape
 - 3.3.2.3. Technological landscape

CHAPTER 4. DECARBONIZATION MARKET: SERVICES ESTIMATES & TREND ANALYSIS

4.1. Segment Dashboard

4.2. Decarbonization Market: Services Movement Analysis, 2022 & 2030 (USD Billion)

4.3. Carbon Accounting and Reporting services

4.3.1. Carbon Accounting and Reporting services Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

4.4. Sustainable Transportation Services

4.4.1. Sustainable Transportation Services Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

4.5. Waste Reduction and Circular Economy Services

4.5.1. Waste Reduction and Circular Economy Services Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

CHAPTER 5. DECARBONIZATION MARKET: TECHNOLOGY ESTIMATES & TREND ANALYSIS

5.1. Segment Dashboard

5.2. Decarbonization Market: Technology Movement Analysis, 2022 & 2030 (USD Billion)

5.3. Renewable Energy

5.3.1. Renewable Energy Technologies Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

5.4. Energy Efficiency Solutions

5.4.1. Energy Efficiency Solutions Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

5.5. Electric Vehicles (EVs)

5.5.1. Electric Vehicles (EVs) Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

5.6. Carbon Removal Technologies

5.6.1. Carbon Removal Technologies Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

5.7. Carbon Capture and Storage (CCS)

5.7.1. Carbon Capture and Storage (CCS) Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

CHAPTER 6. DECARBONIZATION MARKET: DEPLOYMENT ESTIMATES & TREND

ANALYSIS

6.1. Segment Dashboard

6.2. Decarbonization Market: Deployment Movement Analysis, 2022 & 2030 (USD Billion)

6.3. Cloud

6.3.1. Cloud Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

6.4. On-premises

6.4.1. On-premises Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

CHAPTER 7. DECARBONIZATION MARKET: END USER ESTIMATES & TREND ANALYSIS

7.1. Segment Dashboard

7.2. Decarbonization Market: End User Movement Analysis, 2022 & 2030 (USD Billion)

7.3. Oil & Gas

7.3.1. Oil & Gas Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

7.4. Energy and Utility

7.4.1. Energy and Utility Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

7.5. Agriculture

7.5.1. Agriculture Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

7.6. Government

7.6.1. Government Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

7.7. Automotive & Transportation

7.7.1. Automotive & Transportation Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

7.8. Aerospace & Defense

7.8.1. Aerospace & Defense Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

7.9. Manufacturing

7.9.1. Manufacturing Market Revenue Estimates and Forecasts, 2017 - 2030 (USD Billion)

CHAPTER 8. DECARBONIZATION MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

8.1. Decarbonization Market Share, By Region, 2024 & 2030 (USD Million)

8.2. North America

8.2.1. North America Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD Million)

8.2.1.1. North America Decarbonization Market Estimates and Forecasts, by Country, 2018 - 2030 (USD Million)

8.2.1.2. North America Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.2.1.3. North America Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.2.1.4. North America Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.2.1.5. North America Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.2.2. U.S.

8.2.2.1. U.S. Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD Million)

8.2.2.2. U.S. Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.2.2.3. U.S. Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.2.2.4. U.S. Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.2.2.5. U.S. Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.2.3. Canada

8.2.3.1. Canada Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.2.3.2. Canada Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.2.3.3. Canada Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.2.3.4. Canada Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.2.4. Mexico

8.2.4.1. Mexico Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.2.4.2. Mexico Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.2.4.3. Mexico Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.2.4.4. Mexico Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.3. Europe

8.3.1. Europe Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD Million)

8.3.1.1. Europe Decarbonization Market Estimates and Forecasts, by Country, 2018 - 2030 (USD Million)

8.3.1.2. Europe Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.3.1.3. Europe Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.3.1.4. Europe Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.3.1.5. Europe Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.3.2. UK

8.3.2.1. UK Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.3.2.2. UK Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.3.2.3. UK Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.3.2.4. UK Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.3.3. Germany

8.3.3.1. Germany Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.3.3.2. Germany Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.3.3.3. Germany Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.3.3.4. Germany Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.3.4. France

8.3.4.1. France Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.3.4.2. France Decarbonization Market Estimates and Forecasts, by Technology,

2018 - 2030 (USD Million)

8.3.4.3. France Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.3.4.4. France Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.4. Asia Pacific

8.4.1. Asia Pacific Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD Million)

8.4.1.1. Asia Pacific Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.4.1.2. Asia Pacific Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.4.1.3. Asia Pacific Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.4.1.4. Asia Pacific Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.4.2. China

8.4.2.1. China Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD Million)

8.4.2.2. China Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.4.2.3. China Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.4.2.4. China Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.4.2.5. China Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.4.3. Japan

8.4.3.1. Japan Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.4.3.2. Japan Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.4.3.3. Japan Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.4.3.4. Japan Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.4.4. India

8.4.4.1. India Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.4.4.2. India Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.4.4.3. India Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.4.4.4. India Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.4.5. South Korea

8.4.5.1. South Korea Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.4.5.2. South Korea Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.4.5.3. South Korea Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.4.5.4. South Korea Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.4.6. Australia

8.4.6.1. Australia Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.4.6.2. Australia Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.4.6.3. Australia Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.4.6.4. Australia Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.5. Latin America

8.5.1. Latin America Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD Million)

8.5.1.1. Latin America Decarbonization Market Estimates and Forecasts, by Country, 2018 - 2030 (USD Million)

8.5.1.2. Latin America Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.5.1.3. Latin America Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.5.1.4. Latin America Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.5.1.5. Latin America Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.5.2. Brazil

8.5.2.1. Brazil Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD

Million)

8.5.2.2. Brazil Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.5.2.3. Brazil Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.5.2.4. Brazil Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.5.2.5. Brazil Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.6. Middle East and Africa

8.6.1. Middle East and Africa Decarbonization Market Estimates and Forecasts, 2018 - 2030 (USD Million)

8.6.1.1. Middle East and Africa Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.6.1.2. Middle East and Africa Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.6.1.3. Middle East and Africa Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.6.1.4. Middle East and Africa Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.6.2. UAE

8.6.2.1. UAE Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.6.2.2. UAE Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.6.2.3. UAE Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.6.2.4. UAE Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.6.3. KSA

8.6.3.1. KSA Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.6.3.2. KSA Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.6.3.3. KSA Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.6.3.4. KSA Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

8.6.4. South Africa

8.6.4.1. South Africa Decarbonization Market Estimates and Forecasts, by Service, 2018 - 2030 (USD Million)

8.6.4.2. South Africa Decarbonization Market Estimates and Forecasts, by Technology, 2018 - 2030 (USD Million)

8.6.4.3. South Africa Decarbonization Market Estimates and Forecasts, by Deployment, 2018 - 2030 (USD Million)

8.6.4.4. South Africa Decarbonization Market Estimates and Forecasts, by End-Use, 2018 - 2030 (USD Million)

CHAPTER 9. COMPETITIVE LANDSCAPE

9.1. Company Categorization

9.2. Company Market Positioning

9.3. Participant's Overview

9.4. Financial Performance

9.5. Product Benchmarking

9.6. Company Heat Map Analysis

9.7. Strategy Mapping

9.8. Company Profiles/Listing

9.8.1. Deloitte

9.8.2. IBM

9.8.3. Atos SE

9.8.4. Accenture

9.8.5. Siemens

9.8.6. SAP SE

9.8.7. EcoAct

9.8.8. GE DIGITAL

9.8.9. Dakota Software.

9.8.10. EnergyCap.

9.8.11. Isometrix

9.8.12. Trinity Consultants

I would like to order

Product name: Decarbonization Market Size, Share & Trends Analysis Report By Technology (Renewable Energy Technologies, Energy Efficiency Solutions, Electric Vehicles (EVs)), By Services, By Deployment, By End-user, By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/D75A398968CEEN.html>

Price: US\$ 5,950.00 (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/D75A398968CEEN.html>