

# Carbon Capture, Utilization and Storage Market Size, Trends & Forecast 2032 | Industry Report & Leaders

*Carbon Capture, Utilization and Storage Market was valued at USD 4.69 Bn in 2024 grow at a CAGR of 23% from 2025 to 2032, reaching nearly USD 16.24 Bn by 2032*

SAN DIEGO, CA, UNITED STATES, October 7, 2025 /EINPresswire.com/ -- Discover the booming [Carbon Capture, Utilization and Storage \(CCUS\) Market](#), projected to grow from USD 4.69 Bn in 2024 to USD 16.24 Bn by 2032 at a 23% CAGR. Explore key trends, innovations, and opportunities driving the global net-zero transition

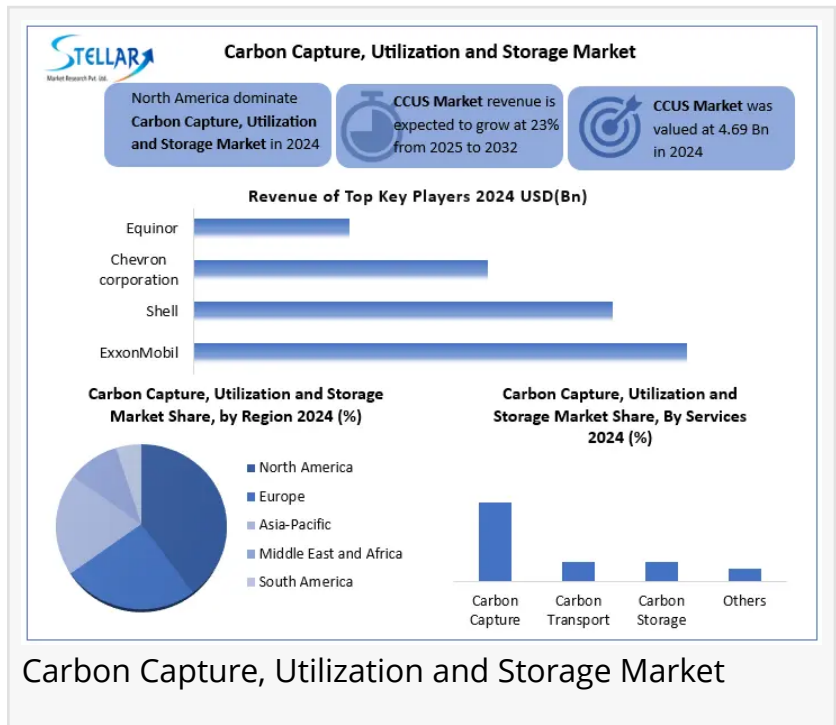
Carbon Capture, Utilization and Storage Market Overview:

The Carbon Capture, Utilization and Storage (CCUS) Market is booming, driven by stringent climate policies, rising carbon prices, and government incentives. Heavy industries like cement, steel, chemicals, and power generation are rapidly adopting carbon capture, transport, and storage solutions, unlocking high ROI through carbon credits. With North America leading via mega projects, 45Q tax credits, and advanced infrastructure, and major players like ExxonMobil, Chevron, Shell, and Equinor driving innovation and large-scale deployment, the CCUS Market is set to soar from USD 4.69 Bn in 2024 to USD 16.24 Bn by 2032 at a 23% CAGR.

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Carbon Capture, Utilization and Storage Market is surging as governments, heavy industries, and investors seize opportunities from rising carbon prices, strict climate targets”

*Dharati Raut*



How the Booming Carbon Capture, Utilization, and Storage

Market is Revolutionizing Heavy Industries and Powering the Global Net-Zero Transition

Carbon Capture, Utilization, and Storage (CCUS) Market is accelerating as governments worldwide push ambitious net-zero targets and roll out tax incentives, funding programs, and regulatory support. For hard-to-abate sectors like cement, steel, and chemicals, CCUS remains the only viable solution to slash industrial emissions. With more countries embedding carbon capture technology into official climate plans and fast-tracking projects, companies and investors are seizing unprecedented opportunities. Discover how the CCUS market is transforming heavy industries and accelerating the global net-zero transition.

Global Carbon Capture, Utilization and Storage Market Segments Covered	
By Service	Carbon capture services Carbon Transport services Carbon Storage services Others
By Technology	Post Combustion Capture Pre-Combustion Capture Oxy fuel combustion Others
By End-user	Power Generation Oil and Gas Industry Iron and Steel Industry Others
By Region	<b>North America</b> - United States, Canada, and Mexico <b>Europe</b> – UK, France, Germany, Italy, Spain, Sweden, Russia, and Rest of Europe <b>Asia Pacific</b> – China, South Korea, Japan, India, Australia, Indonesia, Philippines, Malaysia, Vietnam, Thailand, Rest of APAC <b>Middle East and Africa</b> - South Africa, GCC, Egypt, Nigeria, Rest of the Middle East and Africa <b>South America</b> – Brazil, Argentina, Rest of South America

Carbon Capture, Utilization and Storage Market Segment

☐ Access the full Research Description at: [https://www.stellarmr.com/report/req\\_sample/carbon-capture-utilization-storage-market/2817](https://www.stellarmr.com/report/req_sample/carbon-capture-utilization-storage-market/2817)

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Why Heavy Industries Are Driving the Carbon Capture, Utilization, and Storage Market to Record Growth

Industries like cement, steel, chemicals, and refining produce massive CO2 emissions and can't easily switch to clean energy. For them, CCUS technology is essential, not optional. As governments tighten climate policies and carbon prices rise, demand for carbon capture and storage solutions is skyrocketing, unlocking major opportunities for developers, technology providers, and investors. With growing adoption of carbon pricing and emission trading, captured CO2 generates valuable carbon credits, creating new revenue streams and fuelling wider CCUS Market growth.

High Costs Challenge the Carbon Capture, Utilization, and Storage Market While Incentives Drive

## Growth

Launching a CCUS project demands massive investment—hundreds of millions for carbon capture systems, transport pipelines, and secure storage sites. Ongoing operating and maintenance costs further strain budgets, slowing adoption, especially for smaller players. Despite growing climate pressure, high upfront costs remain a key barrier to scaling the carbon capture and storage market. To mitigate risks, targeted government incentives and carbon pricing mechanisms can make CCUS projects economically viable, unlocking growth for developers, technology providers, and investors.

### Carbon Capture Services Power the CCUS Market, Unlocking Rapid Growth Across Heavy Industries

CCUS Market is led by carbon capture services, the critical first step in cutting industrial CO<sub>2</sub> emissions. Without effective carbon capture technology, transport, storage, and utilization cannot proceed. Driven by power generation, oil & gas, and heavy industries, demand is rising for post-combustion, pre-combustion, and oxy-fuel capture technologies. As carbon pricing and climate policies tighten, these cost-effective solutions are unlocking rapid growth in the global CCUS Market.

**Robust Policy Backing:** Governments boost CCUS Market growth with tax credits, grants, and loans that de-risk investment and spur deployment.

**Rising Carbon Prices and Stricter Targets:** Increasing carbon costs and emission mandates enhance CCUS technology viability, driving adoption across the global Carbon Capture Market.

### Key Developments: ExxonMobil & Chevron Propel CCUS Market Growth with Major Projects and Technology Investments

April 23, 2025 – ExxonMobil Advances CCUS Growth: ExxonMobil partnered with Calpine to capture and store 2M tons of CO<sub>2</sub> annually, boosting low-carbon power in Texas.

April 4, 2024 – Chevron Boosts CCUS: Chevron invested \$45M in ION Clean Energy to scale its ICE-31 carbon capture technology for hard-to-abate emissions.

### Why North America Is Leading the CCUS Market: Mega Carbon Capture Projects and Game-Changing 45Q Incentives

The North American CCUS Market, led by the U.S. and Canada, dominates global carbon capture, utilization, and storage due to early adoption, robust policies, and advanced infrastructure. Incentives like the 45Q tax credit fuel investment and innovation, while extensive CO<sub>2</sub> pipelines and vast geological storage make the region a hub for large-scale carbon capture projects. With the highest installed capacity and the most active project pipeline, North America is setting the

pace for global CCUS growth, offering unmatched opportunities for investors and technology developers.

□ Access the full Research Description at: [https://www.stellarmr.com/report/req\\_sample/carbon-capture-utilization-storage-market/2817](https://www.stellarmr.com/report/req_sample/carbon-capture-utilization-storage-market/2817)

## CCUS Market Showdown: How Shell, ExxonMobil, Chevron, and Equinor Are Racing to Capture and Store CO<sub>2</sub> at Scale

The Carbon Capture, Utilization, and Storage (CCUS) Market is fiercely competitive, driven by energy giants, technology innovators, and agile startups racing to dominate. Major players like Shell, ExxonMobil, Chevron, and Equinor lead through large-scale projects, cutting-edge carbon capture technologies, and strategic partnerships, especially in regions with strong regulatory support. With rapid innovation and aggressive market moves, the race to capture and store CO<sub>2</sub> at scale is reshaping the global CCUS landscape, creating unprecedented opportunities for investors and technology developers.

### Carbon Capture, Utilization and Storage Market Key Players:

#### North America

ExxonMobil (United States)  
Chevron Corporation (United States)  
Occidental Petroleum (United States)  
Schlumberger (United States)  
Fluor Corporation (United States)  
Carbon Clean USA (United States)  
CarbonCure Technologies (Canada)

#### Europe

Shell (Netherlands)  
Equinor (Norway)  
Aker Solutions (Norway)  
BP (United Kingdom)  
TotalEnergies (France)  
Air Liquide (France)  
Carbon Clean (United Kingdom)  
Climeworks (Switzerland)  
Carbfix (Iceland)

#### Asia-Pacific

Mitsubishi Heavy Industries (Japan)  
JGC Corporation (Japan)  
Kawasaki Heavy Industries (Japan)  
China National Petroleum Corporation – CNPC (China)  
Sinopec (China)  
Korea Electric Power Corporation – KEPCO (South Korea)  
Woodside Energy (Australia)  
Huaneng Group Clean Energy Research Institute (China)  
Indian Oil Corporation (India)  
Oil and Natural Gas Corporation – ONGC (India)

#### Analyst Perspective:

The CCUS Market is surging, driven by global climate policies, rising carbon prices, and government incentives. Heavy industries, cement, steel, chemicals, are boosting demand for carbon capture, transport, and storage solutions to hit net-zero targets. Analysts forecast growth from USD 5.82B in 2025 to USD 17.75B by 2030, with strong ROI via carbon credits. North America leads, while ExxonMobil, Chevron, Shell, and Equinor drive innovation, partnerships, and large-scale deployment, unlocking unprecedented investment opportunities in the global net-zero transition.

#### FAQ

Q1: Why this Stellar report?

A1: Offers key insights on CCUS Market trends, growth, and investment opportunities.

Q2: How does it help my business?

A2: Identifies market potential, technologies, and strategic opportunities in CCUS.

Q3: Who leads the CCUS Market?

A3: North America leads; heavy industries like cement, steel, chemicals, and power drive adoption.

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