

# Activated Carbon Market Set to Reach \$5.8 Billion by 2030, Driven by Water Treatment and Automotive Demand

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WILMINGTON, DE, UNITED STATES, June 10, 2026 /EINPresswire.com/ -- The global [activated carbon market](#) is witnessing substantial growth, fueled by rising automobile ownership, increasing concerns over water quality, and stricter environmental regulations across industries.



Activated Carbon Market Demand

According to a recent report published by Allied Market Research titled "Activated Carbon Market by Product Type, Application, and End-use Industry: Global Opportunity Analysis and Industry Forecast, 2020–2030," the market was valued at \$3.2 billion in 2020 and is projected to reach \$5.8 billion by 2030, registering a CAGR of 6.3% from 2021 to 2030.

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<https://www.alliedmarketresearch.com/request-sample/1514>

Key Growth Drivers:-

Several factors are contributing to the expansion of the activated carbon industry:

- Growing global demand for clean and safe drinking water
- Increasing adoption of activated carbon in automotive emission control systems
- Rising industrialization and stringent environmental compliance standards
- Expanding applications in air purification and wastewater treatment

At the same time, fluctuations in raw material prices and environmental concerns related to

production processes continue to pose challenges for market participants.

#### Emerging Opportunities:

- The growing need for mercury control technologies in industrial air purification systems is expected to create significant growth opportunities in the coming years. Industries are increasingly investing in advanced emission-control solutions to meet regulatory requirements and sustainability goals.

#### Application Insights:-

##### Liquid Phase Segment Leads the Market:

The liquid phase application segment accounted for the largest market share in 2020, contributing nearly three-fifths of total revenue. Growth was driven by increasing demand for:

- Wastewater treatment
- Drinking water purification
- Groundwater remediation
- Food and beverage processing
- Chemical purification

Meanwhile, the gaseous phase segment is expected to register the fastest growth through 2030, with a CAGR of 6.8%, owing to its effectiveness in industrial air treatment and emissions control applications.

#### End-Use Industry Analysis:-

##### Water Treatment Remains the Largest Consumer:

- The water treatment sector dominated the market in 2020, accounting for more than two-fifths of global demand. Rapid urbanization, industrial expansion, and increasing water scarcity continue to drive adoption across municipal and industrial treatment facilities.

##### Automotive Segment to Witness Highest Growth:

- The automotive industry is projected to grow at the fastest rate, recording a CAGR of 7.7% during the forecast period. Activated carbon's superior adsorption capabilities and high gasoline working capacity make it a critical component in vehicle emission control systems.

#### Regional Outlook:-

##### Asia-Pacific Maintains Market Leadership:

- Asia-Pacific emerged as the largest regional market in 2020, accounting for nearly two-fifths of global revenue. The region is also anticipated to register the highest growth rate, with a CAGR of 7.5% through 2030.

Key factors driving regional growth include:

- Rapid industrialization
- Expanding automotive production
- Growing investments in water treatment infrastructure
- Strong demand from emerging economies such as India and China

North America, Europe, and LAMEA continue to present significant opportunities, supported by environmental regulations and industrial modernization initiatives.

Leading Market Participants:-

Major companies operating in the global activated carbon market include:

- CLARINEX Group
- Carbon Activated Corp.
- Cabot Corporation
- ADA-ES, Inc.
- Jacobi Carbons AB
- Siemens Water Technologies Corp.
- Kureha Corporation
- Calgon Carbon Corporation
- Carbo Tech AC GmbH
- Carbon Resources LLC

As industries worldwide prioritize sustainability, water purification, and emission control, activated carbon is expected to remain a critical material across a wide range of industrial and environmental applications, supporting steady market growth throughout the forecast period.

For more information, visit our website:

<https://www.alliedmarketresearch.com/activated-carbon-market/purchase-options>

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