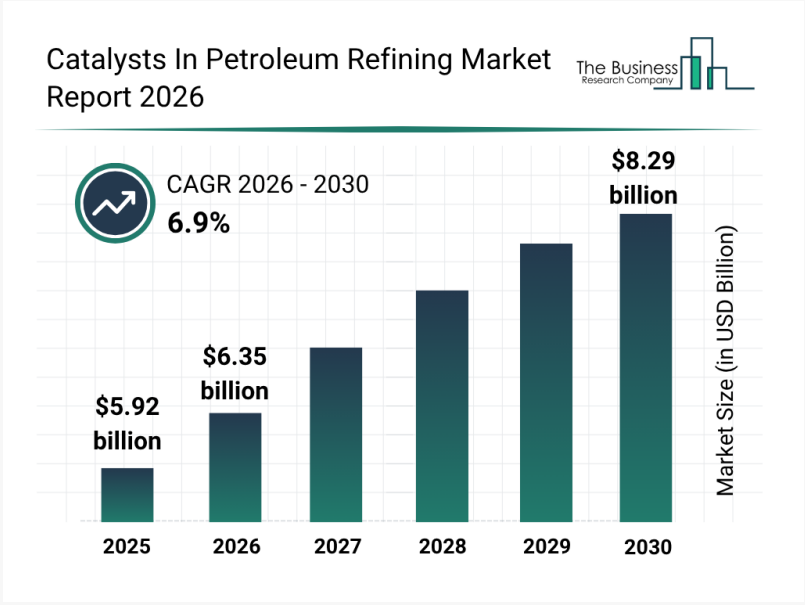
Catalysts In Petroleum Refining Market Trends And Forecast Analysis Reveal Strong Long-Term Potential

The Business Research Company's Catalysts In Petroleum Refining Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035



Catalysts In Petroleum Refining Market Size

The Business Research Company

LONDON, GREATER LONDON, UNITED KINGDOM, September 16, 2026 /EINPresswire.com/ -- The catalysts used in petroleum refining have become essential components that significantly impact the efficiency and output of refineries worldwide. As the industry advances and adapts to evolving energy demands and environmental standards, the market for these catalysts is set to experience notable growth in the coming years. Here's a detailed overview of the market size, key drivers, regional outlook, and emerging trends shaping this sector.

Market Expansion and Projections for Catalysts in Petroleum Refining

The market for catalysts in petroleum refining has shown strong growth recently, with projections indicating an increase from $5.92 billion in 2025 to $6.35 billion in 2026. This expansion corresponds to a compound annual growth rate (CAGR) of 7.3%. The gains observed in the past have mainly resulted from growth in conventional oil refining capacities, heightened demand for transportation fuels, increased petrochemical production, widespread use of standard zeolite and metal-based catalysts, and relatively lenient environmental regulations.

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Looking ahead, the market is expected to continue its upward trajectory, reaching $8.29 billion by 2030 at a CAGR of 6.9%. This forecasted growth is largely driven by stricter sulfur and emission controls, rising demand for renewable diesel and sustainable aviation fuels, greater processing of heavy and sour crude oils, adoption of AI-optimized refinery operations, and the development of refining technologies aligned with the energy transition. Key market trends during this period include AI-powered catalyst performance optimization, IoT-enabled real-time monitoring of catalyst health in reactors, innovations in hydroprocessing catalysts for ultra-low sulfur fuels, a shift towards renewable feedstock-compatible and bio-based catalysts, as well as advances in nanostructured catalysts designed for higher selectivity and efficiency.

Understanding Catalysts in Petroleum Refining and Their Role
Catalysts in petroleum refining are specialized chemicals that accelerate and improve refining reactions without being consumed in the process. Their purpose is to facilitate the conversion of crude oil fractions into more valuable petroleum products through processes like cracking, reforming, hydrotreating, hydrocracking, and isomerization. By doing so, these catalysts help increase product yields, enhance fuel quality, reduce impurities, and boost overall refinery efficiency.

View the full catalysts in petroleum refining market report:
https://www.thebusinessresearchcompany.com/report/catalysts-in-petroleum-refining-market-report?utm_source=EINPresswire&utm_medium=paid&utm_campaign=Sep_PR

Factors Propelling Demand for Catalysts in Petroleum Refining
One of the primary factors fueling demand in this market is the escalating global need for transportation fuels. These fuels—including gasoline, diesel, jet fuel, and marine fuels—are crucial for powering various vehicles, aircraft, ships, and other transportation systems. The surge in passenger travel and freight logistics worldwide leads to increased fuel consumption across road, air, and maritime networks. Catalysts enhance the refining processes by improving crude oil conversion efficiency, thereby enabling refiners to produce higher-quality fuels, increase output, and comply with strict environmental standards.

Supporting this trend, a report published by Statistics Canada in September 2024 highlighted a 2.0% increase in net gasoline sales from 2022, reaching 41.5 billion litres in 2023. Such data underscore how rising transportation fuel demand directly encourages growth within the catalysts in petroleum refining market.

Regional Market Leadership and Growth Outlook
In 2025, North America held the leading position in the catalysts in petroleum refining market. However, the Asia-Pacific region is expected to emerge as the fastest-growing market during the forecast period. The comprehensive market analysis covers several key regions including Asia-

Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a global perspective on market trends and opportunities.

What's new in our 2026 market reports:
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• Company scoring matrix graphics and tables
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