

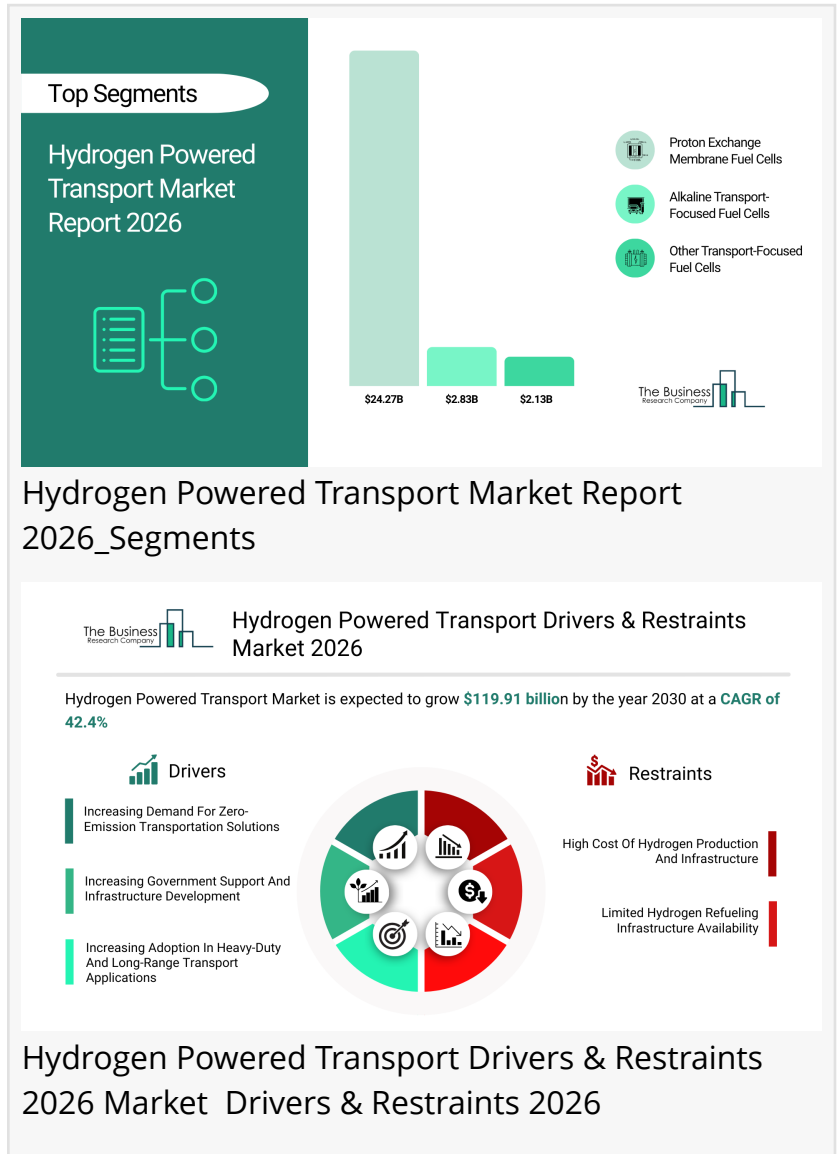
Hydrogen Powered Transport Market Size To Reach \$119.91 Billion By 2030 At A CAGR Of 42.4%

The Business Research Company's Hydrogen Powered Transport Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035

LONDON, GREATER LONDON, UNITED KINGDOM, June 22, 2026 /EINPresswire.com/ -- "[Hydrogen Powered Transport market](#) to surpass \$120 billion in 2030. In comparison, the Motor Vehicles market, which is considered as its parent market, is expected to be approximately \$3,972 billion by 2030, with Hydrogen Powered Transport to represent around 3% of the parent market. Within the broader Transport industry, which is expected to be \$9,400 billion by 2030, the Hydrogen Powered Transport market is estimated to account for nearly 1% of the total market value.

Which Will Be The Biggest Region In The Hydrogen Powered Transport Market In 2030?

Asia-Pacific will be the largest region in the hydrogen powered transport market in 2030, valued at \$47 billion. The market is expected to grow from \$8 billion in 2025 at a compound annual growth rate (CAGR) of 43%. The exponential growth can be attributed to rapid deployment of hydrogen refueling infrastructure, strong government decarbonization targets and net-zero commitments, large-scale pilot projects for hydrogen fuel cell vehicles, increasing investments in hydrogen production through electrolysis and green hydrogen initiatives, growing collaboration between automotive manufacturers and

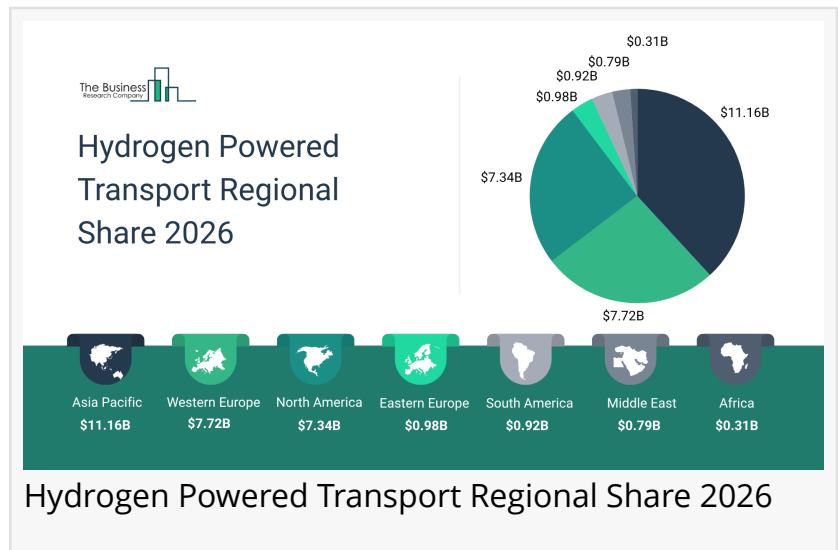


energy companies, and rising focus on reducing dependency on fossil fuels across transport and logistics networks in countries such as China, Japan, South Korea, and India.

Which Will Be The Largest Country In The [Global Hydrogen Powered Transport Market](#) In 2030?

The USA will be the largest country in the hydrogen powered transport market in 2030, valued at \$30 billion.

The market is expected to grow from \$4 billion in 2025 at a compound annual growth rate (CAGR) of 47%. The exponential growth can be attributed to rapid expansion of hydrogen-powered freight and long-haul trucking applications, increasing private sector investments in clean transportation fleets, development of hydrogen production hubs linked with industrial clusters, growing deployment of fuel cell technology in heavy-duty vehicles and public transport systems, expansion of strategic partnerships between energy providers and mobility companies, and rising focus on energy diversification across commercial transportation networks in the country.



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What Will Be The Largest Segment In The Hydrogen Powered Transport Market In 2030?

The hydrogen powered transport market is segmented by fuel cell technology type into proton exchange membrane fuel cells, alkaline transport-focused fuel cells, and other transport-focused fuel cells. The proton exchange membrane fuel cells market will be the largest segment of the hydrogen powered transport market segmented by fuel cell technology type, accounting for 87% or \$104 billion of the total in 2030. The proton exchange membrane fuel cells market will be supported by the superior power density and fast start-up capability suitable for mobility applications, increasing deployment in heavy-duty transport and long-distance logistics vehicles, continuous improvements in membrane durability and cost efficiency, strong compatibility with compact vehicle architectures, rising investments in next-generation fuel cell stack manufacturing, and expanding commercialization of fuel cell electric vehicles across commercial and public transportation fleets.

The hydrogen powered transport market is segmented by vehicle type into cars, buses, trucks, and other vehicles.

The hydrogen powered transport market is segmented by end use into passenger vehicle, and commercial vehicle.

What Is The Expected CAGR For The Hydrogen Powered Transport Market Leading Up To 2030?
The expected CAGR for the hydrogen powered transport market leading up to 2030 is 42%.

What Will Be The Growth Driving Factors In The Global Hydrogen Powered Transport Market In The Forecast Period?

The rapid growth of the global hydrogen powered transport market leading up to 2030 will be driven by the following key factors that are expected to accelerate demand for zero-emission transportation solutions, strengthen government support and hydrogen infrastructure development, and expand adoption of hydrogen technologies across heavy-duty and long-range transportation applications worldwide.

Increasing Demand For Zero-Emission Transportation Solutions - The increasing demand for zero-emission transportation solutions is expected to become a key growth driver for the hydrogen powered transport market by 2030. The growing need to reduce carbon emissions from transport is a major driver for hydrogen-powered vehicles. Based on the definition, hydrogen fuel cells produce only water as a byproduct, making them highly aligned with global decarbonization goals. Governments and industries are actively promoting zero-emission alternatives, especially in heavy transport segments such as buses, trains, and ships. This accelerates adoption across multiple vehicle categories included in the market scope. As regulatory pressure intensifies, hydrogen transport becomes a viable long-term clean mobility solution. As a result, the increasing demand for zero-emission transportation solutions is anticipated to contribute to 2.2% annual growth in the market.

Increasing Government Support And Infrastructure Development - The increasing government support and infrastructure development is expected to emerge as a major factor driving the expansion of the hydrogen powered transport market by 2030. Government policies, subsidies, and investments in hydrogen infrastructure significantly drive market growth. As per the definition, the market includes multiple transport modes, all of which require fueling networks and ecosystem support. Countries are investing in hydrogen refueling stations, pilot projects for trains and buses, and national hydrogen strategies. These initiatives reduce adoption barriers and improve commercial viability for manufacturers and fleet operators. As infrastructure expands, hydrogen-powered transport becomes more scalable and accessible. Consequently, the increasing government support and infrastructure development is projected to contribute to around 1.7% annual growth in the market.

Increasing Adoption In Heavy-Duty And Long-Range Transport Applications - The increasing adoption in heavy-duty and long-range transport applications is expected to act as a key growth catalyst for the hydrogen powered transport market by 2030. Hydrogen technology is particularly suited for heavy-duty and long-distance transport such as trucks, ships, and trains. Based on the definition, these segments are core components of the hydrogen transport market. Compared to batteries, hydrogen offers faster refueling and longer range, making it ideal for commercial and industrial applications. This drives demand from logistics, public transport, and

defense sectors. As these high-consumption segments adopt hydrogen, they significantly contribute to overall market expansion. Therefore, the increasing adoption in heavy-duty and long-range transport applications is projected to contribute to approximately 1.5% annual growth in the market.

Access The Detailed Hydrogen Powered Transport Market Report Here

https://www.thebusinessresearchcompany.com/report/hydrogenpowered-transport-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Jun_PR

What Are The Key Growth Opportunities In The Hydrogen Powered Transport Market In 2030?

The most significant growth opportunities are anticipated in the proton exchange membrane fuel cells market, the alkaline transport-focused fuel cells market, and the other transport-focused fuel cells market. Collectively, these segments are projected to contribute over \$99 billion in market value by 2030, driven by rapid scaling of hydrogen refueling infrastructure for mobility applications, increasing deployment of fuel cell systems in commercial trucking and intercity transport, growing investments in hydrogen production linked to renewable energy integration, expanding pilot programs for fuel cell-powered buses and rail systems, rising collaboration between automotive OEMs and clean energy developers, and accelerating commercialization of hydrogen-based mobility solutions across freight, logistics, and public transportation networks. This surge reflects the accelerating focus on decarbonizing transportation, enhancing energy efficiency, and supporting large-scale clean mobility transition, fuelling transformative growth within the broader hydrogen-powered transport industry.

The proton exchange membrane fuel cells market is projected to grow by \$87 billion, the alkaline transport-focused fuel cells market by \$8 billion, and the other transport-focused fuel cells market by \$4 billion over the next five years from 2025 to 2030.

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- Market hotspots infographics
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