

Hydrogen Fuel Cell Train Market to Reach \$26.41 Billion by 2035 | Growing at a CAGR of 28.2% (2025-2035)

PORTLAND, OREGAON, UNITED STATES, April 26, 2024 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Hydrogen Fuel Cell Train Market](#)," The hydrogen fuel cell train market is expected to be valued at \$2.67 billion in 2025, and is estimated to reach \$26.41 billion by 2035, growing at a CAGR of 28.2% from 2026 to 2035.



Europe is expected to dominate the market, in terms of revenue, followed by Asia-Pacific, North America, and LAMEA. Increase in government support for zero emission transportation and increase in investments from [rolling stock](#) manufacturers for development of hydrogen fuel cell technology propels growth of the hydrogen fuel cell train market in the region.

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There are prominent key factors that drive growth of the [hydrogen fuel cell train market size](#), such as increase in investment in railways infrastructure development, increase in environmental concern, and increase in demand for public transport services. Fuel cell trains are expected to play a key role in transition to a zero-emission economy. Hydrogen powered trains are poised to disrupt the rail industry as a high performing, zero-emission alternative to diesel.

The hydrogen fuel cell train market is segmented basis of application, technology, component, rail type, and region. By application, the market is divided into passenger train, freight train, and others. By technology, it is segmented proton membrane exchange, phosphoric acid fuel cell, and others. By component, it is divided into hydrogen fuel cell, batteries, electric traction motors, and others. By rail type, it is divided into passenger rail, commuter rail, light rail, trams, freight, and others. By region, the market is analyzed across North America, Europe, Asia-Pacific and

LAMEA.

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Spread of COVID-19 has already negatively influenced the global train market, which impacted growth of the fuel cell train market, globally. For instance, major rolling stock manufacturers such as Stadler Rail AG and Alstom have announced suspension of production, owing to decline in demand, supply chain bottlenecks, and to protect safety of their employees in France, Germany, Italy, the U.S., and Spain during the COVID-19 pandemic.

The COVID-19 outbreak forced governments across the globe to implement stringent lockdown and ban import-export of essential raw material items for most of 2020, and few months in 2021. This led to sudden decline in demand for passenger rail vehicles, further impacting growth of the rolling stock industry.

The COVID-19 pandemic not only affected operations of the rolling stock industry, but economic crisis also led to reduction in expenditure on next-generation technologies, for instance, hydrogen trains.

The demand for rolling stock experienced recovery in 2021 as operations of manufacturing companies and factories resumed, initiating continuation of railway projects around the world. Leading market players are taking various measures to deal with the negative effects of the outbreak of COVID-19. For instance, CRRC (China) is using the current market scenario to further strengthen its position by making strategic future-oriented investments and following a strict cost management program

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- Passenger Train
- Freight Train
- Others

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- Proton Exchange Membrane Fuel Cell
- Phosphoric Acid Fuel Cell
- Others

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Hydrogen fuel cell Pack
Batteries
Electric traction motors
Others

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Passenger Rail
Commuter Rail
Light Rail
Trams
Freight
Others

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North America : (U.S., Canada, Mexico)
Europe : (Germany, France, Netherlands, U.K., Poland, Spain, Rest of Europe)
Asia-Pacific : (China, India, Japan, South Korea, Asean, Rest of Asia-Pacific)
LAMEA : (Brazil, UAE, Saudi Arabia, South Africa, Rest of LAMEA)

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Alstom,
Ballard Power Systems.,
BNSF Railway Company,
Construcciones Y Auxiliar De Ferrocarriles,
S.A. (CAF),
CRRC Corporation Limited,
Engie,
Hitachi Ltd.,
Hyundai Corporation,
IHI Corporation,
Kawasaki Heavy Industries, Ltd.,
PESA Group,
Progress Rail (Subsidiary of Caterpillar),
Siemens,
Stadler Rail AG,
Talgo,
Toyota Motor Corporation,
Wabtec Corporation.

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By application, the freight train segment is expected to register a significant growth during the forecast period.

By technology, the proton exchange membrane fuel cell segment is projected to lead the global hydrogen train market

By component, the hydrogen fuel cell pack segment is projected to lead the global hydrogen train market

By rail type, the passenger rail segment is projected to lead the global hydrogen train market

Region-wise, Europe is anticipated to register the highest CAGR during the forecast period.

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