

Automotive Fuel Cell - Global Market Outlook (2020 -2028)

<https://marketpublishers.com/r/A900F60AC541EN.html>

Date: July 2021

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: A900F60AC541EN

Abstracts

According to Statistics MRC, the Global Automotive Fuel Cell Market is accounted for \$1.12 billion in 2020 and is expected to reach \$31.18 billion by 2028 growing at a CAGR of 51.5% during the forecast period. While the factors like fast refuelling and reduced oil dependency are propelling the market growth. However, highly flammable is hampering the market growth.

A fuel cell vehicle is a type of electric vehicle that uses a fuel cell, instead of a battery, or in combination with a battery or supercapacitor, to power in its onboard electric motor. A fuel cell is also the source of electricity to power the motor. Fuel cells generally use oxygen from the air and compressed hydrogen for their operation.

Based on the vehicle type, the passenger vehicle segment is estimated to have a lucrative growth during the forecast period. The high implementation and growing demand for personal mobility are expected to drive the fuel cell passenger vehicle segment. Plans by governments to convert ICE taxi fleets into zero-emission are expected to provide significant growth opportunities in the future.

By geography, Asia Pacific is going to have a huge demand owing to the empowering FCEV deployment goals of governments, combined with rising investments in hydrogen fueling infrastructure. Furthermore, high fuel stack built-up capacities in the region, due to the existence of different large-scale FC passenger car manufacturers, will also add to the regional landscape.

Some of the key players profiled in the Automotive Fuel Cell Market include Panasonic, Toshiba, Toyota Motor Corporation, AFCC, American Honda Motor Company Inc., Ballard Power Systems, BorgWarner Inc., Continental Industries, Cummins, Daimler

AG, Delphi Technology, Hydrogenics, Hyster Yale, Hyundai Motor Company, ITM Power, Nedstack Fuel Cell Technology, Nissan Motor Corporation, Plug Power, and Proton Motor Fuel Cell GmbH.

Vehicle Types Covered:

Passenger Vehicle

Commercial Vehicle

Multi-Purpose Vehicle

Sport Utility Vehicles (SUVs) & Crossovers

Buses and Coaches

Two Wheelers

Heavy & Special Duty Truck

Electrical Vehicles

Agricultural Vehicles

Forklift, Port Vehicle, & Internal Container Handling Vehicle

Components Covered:

Air Compressor

Fuel Cell Stack

Fuel Processor

Humidifier

Power Conditioner

Operating Miles Covered:

0-250 Miles

251-500 Miles

Above 500 Miles

Power Capacities Covered:

250 kW

Electrolyte Types Covered:

Alkaline Fuel Cell (AFC)

Direct Methanol Fuel Cell (DMFC)

Molten Carbonate Fuel Cell (MCFC)

Phosphoric Acid Fuel Cell (PAFC)

Proton Exchange Membrane Fuel Cell (PEMFC)

Solid Oxide Fuel Cell (SOFC)

Polymer Electronic Membrane Fuel Cell

Specialised Vehicle Types Covered:

Material Handling Vehicles

Auxiliary Power Unit for Refrigerated Truck

Fuel Types Covered:

Methanol

Hydrogen

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges,
Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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