

North America Automotive Fuel Cell Market 2021-2031 by Electrolyte Type (PEMFC, DMFC, AFC, PAFC, Others), Component (Fuel Stack, Fuel Processor, Power Conditioner, Air Compressor, Humidifier), Vehicle Type (Passenger Cars, LCV, Buses, Trucks, Others), Fuel Type (Hydrogen, Methanol), Power Output (250 KW), Operating Miles (Below 250 Miles, 250-500 Miles, above 500 Miles), and Country: Trend Forecast and Growth Opportunity

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# **Abstracts**

North America automotive fuel cell market is projected to grow by 31.4% annually in the forecast period and reach \$3,745.7 million by 2031, driven by the increasing demand for zero-emission vehicles and government subsidies as tax benefits to promote fuel cell vehicles, the growing concerns for environmental pollution, the quick fuel fill-up time compared to battery-based electric vehicles, and advanced technologies to improve the vehicle efficacy.

Highlighted with 25 tables and 52 figures, this 112-page report "North America Automotive Fuel Cell Market 2021-2031 by Electrolyte Type (PEMFC, DMFC, AFC, PAFC, Others), Component (Fuel Stack, Fuel Processor, Power Conditioner, Air Compressor, Humidifier), Vehicle Type (Passenger Cars, LCV, Buses, Trucks, Others), Fuel Type (Hydrogen, Methanol), Power Output (250 KW), Operating Miles (Below 250 Miles, 250-500 Miles, Above 500 Miles), and Country: Trend Forecast and Growth Opportunity" is based on a comprehensive research of the entire North America automotive fuel cell market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary



and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2018-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

**Emerging Product Trends & Market Opportunities** 

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America automotive fuel cell market in every aspect of the classification from perspectives of Electrolyte Type, Component, Vehicle Type, Fuel Type, Power Output, Operating Miles, and Country.

Based on Electrolyte Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Proton-Exchange Membrane Fuel Cell (PEMFC)

Direct Methanol Fuel Cell (DMFC)

Alkaline Fuel Cell (AFC)

Phosphoric Acid Fuel Cell (PAFC)

Other Electrolyte Types



Based on Component, the North America market is segmented into the following submarkets with annual revenue (\$ mn) for 2021-2031 included in each section.

Fuel Stack	
Fuel Processor	
Power Conditioner	
Air Compressor	
Humidifier	
By Vehicle Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.	
Passenger Cars	
Light Commercial Vehicles (LCV)	
Buses	
Trucks	
Other Commercial Vehicles	
By Fuel Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.	
Hydrogen	
Methanol	

By Power Output, the North America market is segmented into the following submarkets with annual revenue (\$ mn) for 2021-2031 included in each section.



150-250 KW

>250 KW

By Operating Miles, the North America market is segmented into the following submarkets with annual revenue (\$ mn) for 2021-2031 included in each section.

Below 250 Miles

250-500 Miles

Above 500 Miles

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Electrolyte Type, Vehicle Type and Operating Miles over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

Ballard Power Systems Inc.

BorgWarner Inc.

Ceres Power Holdings PLC



Cummins Inc.
Doosan Fuel Cell Co., Ltd.
Elringklinger AG
Horizon Fuel Cell Technologies Pte. Ltd.
Hydrogenics Corporation
Intelligent Energy Limited
ITM Power PLC
Nedstack Fuel Cell Technology BV
Nuvera Fuel Cells LLC
Oorja Corporation
Plug Power Inc.
PowerCell Sweden AB
Proton Motor Fuel Cell GmbH
SFC Energy AG
Watt Fuel Cell Corporation
(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)



# **Contents**

#### 1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
  - 1.1.1 Industry Definition
  - 1.1.2 Research Scope
- 1.2 Research Methodology
  - 1.2.1 Overview of Market Research Methodology
  - 1.2.2 Market Assumption
  - 1.2.3 Secondary Data
  - 1.2.4 Primary Data
  - 1.2.5 Data Filtration and Model Design
- 1.2.6 Market Size/Share Estimation
- 1.2.7 Research Limitations
- 1.3 Executive Summary

## **2 MARKET OVERVIEW AND DYNAMICS**

- 2.1 Market Size and Forecast
  - 2.1.1 Impact of COVID-19 on World Economy
  - 2.1.2 Impact of COVID-19 on the Market
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

#### 3 SEGMENTATION OF NORTH AMERICA MARKET BY ELECTROLYTE TYPE

- 3.1 Market Overview by Electrolyte Type
- 3.2 Proton-Exchange Membrane Fuel Cell (PEMFC)
- 3.3 Direct Methanol Fuel Cell (DMFC)
- 3.4 Alkaline Fuel Cell (AFC)
- 3.5 Phosphoric Acid Fuel Cell (PAFC)
- 3.6 Other Electrolyte Types

# 4 SEGMENTATION OF NORTH AMERICA MARKET BY COMPONENT

4.1 Market Overview by Component



- 4.2 Fuel Stack
- 4.3 Fuel Processor
- 4.4 Power Conditioner
- 4.5 Air Compressor
- 4.6 Humidifier

# **5 SEGMENTATION OF NORTH AMERICA MARKET BY VEHICLE TYPE**

- 5.1 Market Overview by Vehicle Type
- 5.2 Passenger Cars
- 5.3 Light Commercial Vehicles (LCV)
- 5.4 Buses
- 5.5 Trucks
- 5.6 Other Commercial Vehicles

#### **6 SEGMENTATION OF NORTH AMERICA MARKET BY FUEL TYPE**

- 6.1 Market Overview by Fuel Type
- 6.2 Hydrogen
- 6.3 Methanol

## 7 SEGMENTATION OF NORTH AMERICA MARKET BY POWER OUTPUT

- 7.1 Market Overview by Power Output
- 7.2 7.3 150-250 KW
- 7.4 > 250 KW

#### 8 SEGMENTATION OF NORTH AMERICA MARKET BY OPERATING MILES

- 8.1 Market Overview by Operating Miles
- 8.2 Below 250 Miles
- 8.3 250-500 Miles
- 8.4 Above 500 Miles

# 9 NORTH AMERICA MARKET 2021-2031 BY COUNTRY

- 9.1 Overview of North America Market
- 9.2 U.S.
- 9.3 Canada



### 9.4 Mexico

# 10 COMPETITIVE LANDSCAPE

10.1 Overview of Key Vendors

10.2 New Product Launch, Partnership, Investment, and M&A

10.3 Company Profiles

Ballard Power Systems Inc.

BorgWarner Inc.

Ceres Power Holdings PLC

Cummins Inc.

Doosan Fuel Cell Co., Ltd.

Elringklinger AG

Horizon Fuel Cell Technologies Pte. Ltd.

**Hydrogenics Corporation** 

Intelligent Energy Limited

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Oorja Corporation

Plug Power Inc.

PowerCell Sweden AB

Proton Motor Fuel Cell GmbH

SFC Energy AG

Watt Fuel Cell Corporation

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# **List Of Tables**

### LIST OF TABLES

- Table 1. Snapshot of North America Automotive Fuel Cell Market in Balanced Perspective, 2021-2031
- Table 2. World Economic Outlook, 2021-2031
- Table 3. World Economic Outlook, 2021-2023
- Table 4. Hydrogen Refilling Stations in Operation by Country as of Sep 2021
- Table 5. Main Product Trends and Market Opportunities in North America Automotive Fuel Cell Market
- Table 6. North America Automotive Fuel Cell Market by Electrolyte Type, 2021-2031, \$ mn
- Table 7. North America Automotive Fuel Cell Market by Component, 2021-2031, \$ mn
- Table 8. North America Automotive Fuel Cell Market by Vehicle Type, 2021-2031, \$ mn
- Table 9. Commercially Available Fuel Cell Vehicles
- Table 10. North America Automotive Fuel Cell Market by Fuel Type, 2021-2031, \$ mn
- Table 11. North America Automotive Fuel Cell Market by Power Output, 2021-2031, \$ mn
- Table 12. North America Automotive Fuel Cell Market by Operating Miles, 2021-2031, \$ mn
- Table 13. North America Automotive Fuel Cell Market by Country, 2021-2031, \$ mn
- Table 14. U.S. Automotive Fuel Cell Market by Electrolyte Type, 2021-2031, \$ mn
- Table 15. U.S. Automotive Fuel Cell Market by Vehicle Type, 2021-2031, \$ mn
- Table 16. U.S. Automotive Fuel Cell Market by Operating Miles, 2021-2031, \$ mn
- Table 17. Canada Automotive Fuel Cell Market by Electrolyte Type, 2021-2031, \$ mn
- Table 18. Canada Automotive Fuel Cell Market by Vehicle Type, 2021-2031, \$ mn
- Table 19. Canada Automotive Fuel Cell Market by Operating Miles, 2021-2031, \$ mn
- Table 20. Mexico Automotive Fuel Cell Market by Electrolyte Type, 2021-2031, \$ mn
- Table 21. Mexico Automotive Fuel Cell Market by Vehicle Type, 2021-2031, \$ mn
- Table 22. Mexico Automotive Fuel Cell Market by Operating Miles, 2021-2031, \$ mn
- Table 23. Ballard Power Systems Inc.: Company Snapshot
- Table 24. Ballard Power Systems Inc.: Business Segmentation
- Table 25. Ballard Power Systems Inc.: Product Portfolio



# **List Of Figures**

### LIST OF FIGURES

- Figure 1. A Scheme of Automotive Fuel Cell System
- Figure 2. Research Method Flow Chart
- Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation
- Figure 4. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2021-2031
- Figure 5. North America Automotive Fuel Cell Market, 2021-2031, \$ mn
- Figure 6. Impact of COVID-19 on Business
- Figure 7. Primary Drivers and Impact Factors of North America Automotive Fuel Cell Market
- Figure 8. World Electric Vehicle Market, 2019-2030, \$ bn
- Figure 9. Primary Restraints and Impact Factors of North America Automotive Fuel Cell Market
- Figure 10. Investment Opportunity Analysis
- Figure 11. Porter's Fiver Forces Analysis of North America Automotive Fuel Cell Market
- Figure 12. Breakdown of North America Automotive Fuel Cell Market by Electrolyte Type, 2021-2031, % of Revenue
- Figure 13. North America Addressable Market Cap in 2022-2031 by Electrolyte Type, Value (\$ mn) and Share (%)
- Figure 14. North America Automotive Fuel Cell Market by Electrolyte Type: Proton-Exchange Membrane Fuel Cell (PEMFC), 2021-2031, \$ mn
- Figure 15. North America Automotive Fuel Cell Market by Electrolyte Type: Direct Methanol Fuel Cell (DMFC), 2021-2031, \$ mn
- Figure 16. North America Automotive Fuel Cell Market by Electrolyte Type: Alkaline Fuel Cell (AFC), 2021-2031, \$ mn
- Figure 17. North America Automotive Fuel Cell Market by Electrolyte Type: Phosphoric Acid Fuel Cell (PAFC), 2021-2031, \$ mn
- Figure 18. North America Automotive Fuel Cell Market by Electrolyte Type: Other Electrolyte Types, 2021-2031, \$ mn
- Figure 19. Breakdown of North America Automotive Fuel Cell Market by Component, 2021-2031, % of Sales Revenue
- Figure 20. North America Addressable Market Cap in 2022-2031 by Component, Value (\$ mn) and Share (%)
- Figure 21. North America Automotive Fuel Cell Market by Component: Fuel Stack, 2021-2031, \$ mn
- Figure 22. North America Automotive Fuel Cell Market by Component: Fuel Processor,



2021-2031, \$ mn

Figure 23. North America Automotive Fuel Cell Market by Component: Power Conditioner, 2021-2031, \$ mn

Figure 24. North America Automotive Fuel Cell Market by Component: Air Compressor, 2021-2031, \$ mn

Figure 25. North America Automotive Fuel Cell Market by Component: Humidifier, 2021-2031, \$ mn

Figure 26. Breakdown of North America Automotive Fuel Cell Market by Vehicle Type, 2021-2031, % of Sales Revenue

Figure 27. North America Addressable Market Cap in 2022-2031 by Vehicle Type, Value (\$ mn) and Share (%)

Figure 28. North America Automotive Fuel Cell Market by Vehicle Type: Passenger Cars, 2021-2031, \$ mn

Figure 29. North America Automotive Fuel Cell Market by Vehicle Type: Light Commercial Vehicles (LCV), 2021-2031, \$ mn

Figure 30. North America Automotive Fuel Cell Market by Vehicle Type: Buses, 2021-2031, \$ mn

Figure 31. North America Automotive Fuel Cell Market by Vehicle Type: Trucks, 2021-2031, \$ mn

Figure 32. North America Automotive Fuel Cell Market by Vehicle Type: Other Commercial Vehicles, 2021-2031, \$ mn

Figure 33. Breakdown of North America Automotive Fuel Cell Market by Fuel Type, 2021-2031, % of Revenue

Figure 34. North America Addressable Market Cap in 2022-2031 by Fuel Type, Value (\$mn) and Share (%)

Figure 35. North America Automotive Fuel Cell Market by Fuel Type: Hydrogen, 2021-2031, \$ mn

Figure 36. North America Automotive Fuel Cell Market by Fuel Type: Methanol, 2021-2031, \$ mn

Figure 37. Breakdown of North America Automotive Fuel Cell Market by Power Output, 2021-2031, % of Revenue

Figure 38. North America Addressable Market Cap in 2022-2031 by Power Output, Value (\$ mn) and Share (%)

Figure 39. North America Automotive Fuel Cell Market by Power Output: Figure 40. North America Automotive Fuel Cell Market by Power Output: 150-250 KW, 2021-2031, \$ mn

Figure 41. North America Automotive Fuel Cell Market by Power Output: > 250 KW, 2021-2031, \$ mn

Figure 42. Breakdown of North America Automotive Fuel Cell Market by Operating



Miles, 2021-2031, % of Revenue

Figure 43. North America Addressable Market Cap in 2022-2031 by Operating Miles, Value (\$ mn) and Share (%)

Figure 44. North America Automotive Fuel Cell Market by Operating Miles: Below 250 Miles, 2021-2031, \$ mn

Figure 45. North America Automotive Fuel Cell Market by Operating Miles: 250-500 Miles, 2021-2031, \$ mn

Figure 46. North America Automotive Fuel Cell Market by Operating Miles: Above 500 Miles, 2021-2031, \$ mn

Figure 47. Breakdown of North America Automotive Fuel Cell Market by Country, 2021 and 2031, % of Revenue

Figure 48. Contribution to North America 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 49. U.S. Automotive Fuel Cell Market, 2021-2031, \$ mn

Figure 50. Canada Automotive Fuel Cell Market, 2021-2031, \$ mn

Figure 51. Automotive Fuel Cell Market in Mexico, 2021-2031, \$ mn

Figure 52. Growth Stage of North America Automotive Fuel Cell Industry over the Forecast Period



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