

Global Green Hydrogen Market (Value, Volume) – Analysis By Technology, Application, By Region, By Country (2021 Edition): Market Insights, Covid-19 Impact, Competition and Forecast (2021-2026)

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Abstracts

EXECUTIVE SUMMARY

According to a research report published by Azoth Analytics, the global Green Hydrogen Market in terms of Value was USD 908.15 Million and in terms of Volume xx Thousand Tonnes in year 2020 with Europe leading regional market share. Green hydrogen is produced by electrolysis of water for which electric power is utilised, which is generated by renewable energy sources, such as wind or solar energy.

The major factors driving the growth of the global green hydrogen market is the growing demand for renewable energy resources. The adoption rate of green hydrogen is increasing significantly due to the increasing government investments and subsidies promoting clean fuel usage, including hydrogen. These resources are being considered as eco-friendly alternatives to fossil fuel, which is likely to drive the global market during the forecast period.

Among the Technology segment in the Green Hydrogen market (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer, Solid Oxide Electrolyzer), Alkaline Electrolyzer segment leads the market. Alkaline electrolyzer operate by the principle of transportation of hydroxide ions via the electrolyte. These are transferred from the cathode to the anode, while hydrogen is generated on the cathode side during the process. These electrolyzer use potassium or sodium hydroxide based liquid alkaline solution as an electrolyte. This type of electrolyzer is supplied by many companies, such as Tianjin Mainland Hydrogen Equipment Co., Ltd. (THE), one of the leading suppliers

of this equipment.

Based on Application (Power Generation, Transport and Others), Power Generation segment gains a considerable share. Power demand has been increasing to a noteworthy extent. An increase in the global population, rapid industrialisation in emerging economies, and the migration of population into urban areas are likely to drive the demand for energy and power. The European Region dominates the Green Hydrogen market. The region has an extensive oil and gas infrastructure, which has tremendous potential to be converted into infrastructure for hydrogen production, storage, and transportation while also creating job opportunities.

SCOPE OF THE REPORT

The report analyses the Green Hydrogen market By Value and By Volume.

The report analyses the Green Hydrogen market by Technology (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer, Solid Oxide Electrolyzer).

The report analyses the Green Hydrogen market by Application (Power Generation, Transport, Others).

The Global Green Hydrogen Market has been analysed by Region (North America, Europe, Asia Pacific) and by Country (United States, Canada, Germany, Italy, France, United Kingdom, China, Japan, India, Australia).

Also, the attractiveness of the market has been presented by region, technology and application. Also, trends, drivers, challenges of the industry has been analysed in the report.

The report tracks competitive developments, strategies, recent industry developments and mergers & acquisitions. The companies analysed in the report include Linde plc, Air Liquide, Siemens, Air Products & Chemicals, Plug Power, Nel Hydrogen, Green Hydrogen Systems, Solena Group, ERGOSUP, Loop Energy Inc.

The report presents the analysis of Green Hydrogen market for the historical period of 2016-2020 and the forecast period of 2021-2026.

KEY TARGET AUDIENCE

Green Hydrogen Manufacturers

Investors/Investment Bankers

Distributors

Government and Research Organizations

Associations and Industry Bodies

Contents

1. REPORT SCOPE AND METHODOLOGY

- 1.1 Scope of the Report
- 1.2 Research Methodology
- 1.3 Executive Summary

2. STRATEGIC RECOMMENDATIONS

3. GLOBAL GREEN HYDROGEN MARKET PRODUCT OUTLOOK

4. GLOBAL GREEN HYDROGEN MARKET: AN ANALYSIS

- 4.1 Market Size, By Value, Year 2016-2026
- 4.2 Market Size, By Volume, Year 2016-2026
- 4.3 Market Growth Rate, Year 2016-2026

5. GLOBAL GREEN HYDROGEN MARKET SEGMENTATION BY TECHNOLOGY (BY VALUE, BY VOLUME)

- 5.1 Competitive Scenario of Global Green Hydrogen Market: By Technology
- 5.2 Proton Exchange Membrane Electrolyzer Market - Size and Forecast (2021-2026)
- 5.3 Alkaline Electrolyzer Market -Size and Forecast (2021-2026)
- 5.4 Solid Oxide Electrolyzer - Market Size and Forecast (2021-2026)

6. GLOBAL GREEN HYDROGEN MARKET SEGMENTATION BY END-USER (BY VALUE, BY VOLUME)

- 6.1 Competitive Scenario of Global Green Hydrogen Market: By Application
- 6.2 Power Generation Market - Size and Forecast (2021-2026)
- 6.3 Transport Market - Size and Forecast (2021-2026)
- 6.4 Others Market - Size and Forecast (2021-2026)

7. GLOBAL GREEN HYDROGEN MARKET: REGIONAL ANALYSIS

- 7.1 Competitive Scenario of Global Green Hydrogen Market: By Region

8. NORTH AMERICA GREEN HYDROGEN MARKET: AN ANALYSIS (2021-2026),

(BY VALUE, BY VOLUME)

- 8.1 North America Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 8.2 North America Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 8.3 North America Green Hydrogen Market - Prominent Companies
- 8.4 Market Segmentation By Technology (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer, Solid Oxide Electrolyzer.)
- 8.5 Market Segmentation By Application (Power Generation, Transport and Others.)
- 8.6 North America Green Hydrogen Market: Country Analysis
- 8.7 Market Opportunity Chart of North America Green Hydrogen Market - By Country, By Value (Year-2026)
- 8.8 Competitive Scenario of North America- By Country
- 8.9 United States Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 8.10 United States Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 8.11 United States Green Hydrogen Market Leading Companies
- 8.12 United States Green Hydrogen Market Segmentation By Technology and Application.
- 8.13 Canada Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 8.14 Canada Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 8.15 Canada Green Hydrogen Market Segmentation By Technology and Application.

9. EUROPE GREEN HYDROGEN MARKET: AN ANALYSIS (2021-2026), (BY VALUE, BY VOLUME)

- 9.1 Europe Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 9.2 Europe Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 9.3 Europe Green Hydrogen Market - Prominent Companies
- 9.4 Market Segmentation By Technology (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer, Solid Oxide Electrolyzer)
- 9.5 Market Segmentation By Application (Power Generation, Transport and Others.)
- 9.6 Europe Green Hydrogen Market: Country Analysis
- 9.7 Market Opportunity Chart of Europe Green Hydrogen Market - By Country, By Value (Year-2026)
- 9.8 Competitive Scenario of Europe- By Country
- 9.9 Germany Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 9.10 Germany Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 9.11 Germany Green Hydrogen Market Leading Companies
- 9.12 Germany Green Hydrogen Market Segmentation By Technology and Application.
- 9.13 Italy Green Hydrogen Market: Size and Forecast (2021-2026), By Value

- 9.14 Italy Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 9.15 Italy Green Hydrogen Market Segmentation By Technology and Application.
- 9.16 United Kingdom Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 9.17 United Kingdom Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 9.18 United Kingdom Green Hydrogen Market Segmentation By Technology and Application.
- 9.19 France Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 9.20 France Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 9.21 France Green Hydrogen Market Segmentation By Technology and Application.

10. ASIA PACIFIC GREEN HYDROGEN MARKET: AN ANALYSIS (2021-2026), (BY VALUE, BY VOLUME)

- 10.1 Asia Pacific Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 10.2 Asia Pacific Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 10.3 Asia Pacific Green Hydrogen Market - Prominent Companies
- 10.4 Market Segmentation By Technology (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer, Solid Oxide Electrolyzer)
- 10.5 Market Segmentation By Application (Power Generation, Transport and Others.)
- 10.6 Asia Pacific Green Hydrogen Market: Country Analysis
- 10.7 Market Opportunity Chart of Asia Pacific Green Hydrogen Market - By Country, By Value (Year-2026)
- 10.8 Competitive Scenario of Asia Pacific- By Country
- 10.9 China Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 10.10 China Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 10.11 China Green Hydrogen Market Segmentation By Technology and Application.
- 10.12 Japan Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 10.13 Japan Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 10.14 Japan Green Hydrogen Market Segmentation By Technology and Application.
- 10.15 India Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 10.16 India Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 10.17 India Green Hydrogen Market Segmentation By Technology and Application.
- 10.18 Australia Green Hydrogen Market: Size and Forecast (2021-2026), By Value
- 10.19 Australia Green Hydrogen Market: Size and Forecast (2021-2026), By Volume
- 10.20 Australia Green Hydrogen Market Segmentation By Technology and Application.

11. GLOBAL GREEN HYDROGEN MARKET DYNAMICS

- 11.1 Global Green Hydrogen Market Drivers
- 11.2 Global Green Hydrogen Market Restraints
- 11.3 Global Green Hydrogen Market Trends

12. MARKET ATTRACTIVENESS AND STRATEGIC ANALYSIS

12.1 Market Attractiveness

- 12.1.1 Market Attractiveness Chart of Global Green Hydrogen Market - By Technology, By Value (Year-2026)
- 12.1.2 Market Attractiveness Chart of Global Green Hydrogen Market - By Application, By Value (Year-2026)
- 12.1.3 Market Attractiveness Chart of Global Green Hydrogen Market - By Region, By Value (Year-2026)

12.2 Strategic Analysis

- 12.2.1 Mergers and Acquisitions
- 12.2.2 Recent Industry Developments

13. COMPETITIVE LANDSCAPE

- 13.1 Market Share Analysis
- 13.2 Competitive Positioning (Leaders, Challengers, Followers, Niche Players)

14. COMPANY PROFILES (BUSINESS DESCRIPTION, FINANCIAL ANALYSIS, BUSINESS STRATEGY)

- 14.1 Linde plc
- 14.2 Air Liquide
- 14.3 Siemens
- 14.4 Air Products & Chemicals
- 14.5 Plug Power
- 14.6 Nel Hydrogen
- 14.7 Green Hydrogen Systems
- 14.8 Solena Group
- 14.9 ERGOSUP
- 14.10 Loop Energy Inc.

List Of Figures

LIST OF FIGURES

Figure 1: Global Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 2: Global Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 3: Global Green Hydrogen Market Growth Rate, 2016-2026 (%)

Figure 4: Annual Growth for Renewable Electricity Generation by Source: 2018 - 2020

Figure 5: Forecasted cumulative final energy demand change due to COVID-19 impact worldwide from 2020 to 2050

Figure 6: Estimated cost of producing green hydrogen via electrolysis (2020 - 2050 (E average))

Figure 7: Demand for pure hydrogen worldwide from 2010 to 2019 by industrial consumer, in metric tons

Figure 8: Global Electricity Production, in 2019 (in %)

Figure 9: Motor vehicle production volume worldwide in 2019, by country, in million units

Figure 10: Global Green Hydrogen Market, By Technology, 2020, 2026

Figure 11: Global Green Hydrogen Market- By Proton Exchange Membrane Electrolyzer, By Value (USD Million), 2016-2026

Figure 12: Global Green Hydrogen Market- By Proton Exchange Membrane Electrolyzer, By Volume (Thousand Tonnes), 2016-2026

Figure 13: Global Green Hydrogen Market- By Alkaline Electrolyzer, By Value (USD Million), 2016-2026

Figure 14: Global Green Hydrogen Market- By Alkaline Electrolyzer, By Volume (Thousand Tonnes), 2016-2026

Figure 15: Global Green Hydrogen Market- By Solid Oxide Electrolyzer, By Value (USD Million), 2016-2026

Figure 16: Global Green Hydrogen Market- By Solid Oxide Electrolyzer, By Volume (Thousand Tonnes), 2016-2026

Figure 17: Global Green Hydrogen Market, By Application, 2020, 2026

Figure 18: Global Green Hydrogen Market- By Power Generation, By Value (USD Million), 2016-2026

Figure 19: Global Green Hydrogen Market- By Power Generation, By Volume (Thousand Tonnes), 2016-2026

Figure 20: Global Green Hydrogen Market- By Transport, By Value (USD Million), 2016-2026

Figure 21: Global Green Hydrogen Market- By Transport, By Volume (Thousand Tonnes), 2016-2026

Figure 22: Global Green Hydrogen Market- By Others, By Value (USD Million), 2016-2026

Figure 23: Global Green Hydrogen Market- By Others, By Value (USD Million), 2016-2026

Figure 24: Global Green Hydrogen Market, By Region, 2020, 2026

Figure 25: North America Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 26: North America Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 27: North America Solar Power Installed Capacity in MW, 2014 - 2019

Figure 28: Electricity Generation, in Terawatt Hours (TWh), North America, 2014 - 2019

Figure 29: North America Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 30: North America Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 31: North America Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 32: North America Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 33: Market Opportunity Chart of North America Green Hydrogen Market By Country, By Value, (Year-2026)

Figure 34: North America Green Hydrogen Market, By Country, 2020, 2026

Figure 35: United States Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 36: United States Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 37: United States Motor Vehicle Production in million units, 2015-2019

Figure 38: Forecasted production costs for hydrogen in USA in 2030, by scenario and production type (in USD Per Kg)

Figure 39: Largest electric utilities based on market value in the United States as of April 2020, in USD Billion

Figure 40: United States Energy Consumption by Sector in 2019

Figure 41: United States Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 42: United States Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 43: United States Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 44: United States Green Hydrogen Market- By Application, By Volume

(Thousand Tonnes), 2016-2026

Figure 45: Canada Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 46: Canada Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 47: Canada Motor Vehicles Production in million units 2015-2019

Figure 48: Canada Electricity Generation By Source, in 2018, (in %)

Figure 49: Forecast of demand for solar photovoltaic power in Canada from 2015 to 2020, in megawatts

Figure 50: Canada Electricity Energy Usage by Sector in 2017, (in %)

Figure 51: Canada Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 52: Canada Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 53: Canada Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 54: Canada Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 55: Europe Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 56: Europe Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 57: Renewable Energy Installed capacity in GW, in Europe, in 2015 - 2019

Figure 58: Production volume of hydrogen in select countries (EU-28) in 2017 , (in million cubic meters)

Figure 59: European Green Hydrogen project pipeline by electricity source (projects, 2020)

Figure 60: European Green Hydrogen project pipeline by electricity source (MWs, 2020)

Figure 61: EU -27 share of energy from renewable sources in total gross electricity generation, in 2018

Figure 62: EU -27 share of energy from renewable sources for energy consumption in transport, in 2018

Figure 63: Europe Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 64: Europe Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 65: Europe Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 66: Europe Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 67: Market Opportunity Chart of Europe Green Hydrogen Market- By Country, By

Value (Year-2026)

Figure 68: Europe Green Hydrogen Market, By Country, 2020, 2026

Figure 69: Germany Green Hydrogen Market Size, By Value, 2016-2026 (USD Thousand)

Figure 70: Germany Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 71: Production of motor vehicles in Germany (in million Units), 2015-2019

Figure 72: Net Electricity Production in Germany, in 2019, (in %)

Figure 73: Germany Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 74: Germany Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 75: Germany Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 76: Germany Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 77: Italy Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 78: Italy Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 79: Production of motor vehicles in Italy (in million Units), 2015-2019

Figure 80: Generation Mix Expected Evolution for Italy, in 2024, in Terawatt - hours

Figure 81: Italy Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 82: Italy Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 83: Italy Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 84: Italy Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 85: United Kingdom Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 86: United Kingdom Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 87: Renewable Electricity Generation, in Terawatt - hours, in United Kingdom, 2014 - 2019

Figure 88: Production of motor vehicles in United Kingdom (in million Units), 2015-2019

Figure 89: United Kingdom Energy Consumption , in 2018 , in Terawatt - hours

Figure 90: United Kingdom Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 91: United Kingdom Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 92: United Kingdom Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 93: United Kingdom Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 94: France Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 95: France Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 96: Production of motor vehicles in France (in million Units), 2015-2019

Figure 97: Production of electricity in France in 2019, by energy source, (in terawatt hours)

Figure 98: Solar Power Capacity, in France, in megawatt, 2014 - 2019

Figure 99: Generation Mix Expected Evolution for France, in 2024, in Terawatt - hours

Figure 100: France Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 101: France Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 102: France Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 103: France Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 104: Asia Pacific Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 105: Asia Pacific Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 106: Passenger Car Production in Asia Pacific, in 2018 (in million Units)

Figure 107: Hydrogen Supply Potential by Countries , in Asia Pacific

Figure 108: Asia Pacific Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 109: Asia Pacific Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 110: Asia Pacific Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 111: Asia Pacific Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 112: Market Opportunity Chart of Asia Pacific Green Hydrogen Market- By Country, By Value (Year-2026)

Figure 113: Asia Pacific Green Hydrogen Market, By Country, 2020, 2026

Figure 114: China Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 115: China Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 116: Production of motor vehicles in China (in million Units), 2015-2019

Figure 117: Primary Energy Consumption, in Million Tons of Oil Equivalent (mtoe), China, 2014 - 2019

Figure 118: China Total Primary Energy Consumption by fuel type , in 2019

Figure 119: China Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 120: China Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 121: China Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 122: China Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 123: Japan Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 124: Japan Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 125: Traded volume of electricity in Japan from fiscal year 2010 to 2018, (in gigawatt hours)

Figure 126: Japan Total Energy Consumption , in 2019

Figure 127: Electricity Generation from industrial Waste in GWh, in Japan, 2012 - 2019

Figure 128: Japan Carbon Dioxide Emissions in million tonnes of carbon dioxide, 2012 - 2019

Figure 129: Japan Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 130: Japan Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 131: Japan Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 132: Japan Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 133: India Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 134: India Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 135: Access to Electricity in India , in % of population, 2013 - 2019

Figure 136: India Total Primary Energy Consumption by fuel type , in 2019

Figure 137: India installed power capacity by fuel , in June 2020

Figure 138: India Solar Power Installed Capacity , in GW , in 2014 - 2019

Figure 139: India Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 140: India Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 141: India Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 142: India Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 143: Australia Green Hydrogen Market Size, By Value, 2016-2026 (USD Million)

Figure 144: Australia Green Hydrogen Market Size, By Volume, 2016-2026 (Thousand Tonnes)

Figure 145: Electricity Generation in Australia National Electricity Market , in 2015

Figure 146: Electricity generation from Natural Gas , in TWh , in Australia , 2014 - 2019

Figure 147: Annual New Car Sales in Australia from 2014 to Jan 2021

Figure 148: Solar and Wind Power Installed Capacity , in MW , in Australia , 2014 - 2019

Figure 149: Australia Green Hydrogen Market- By Technology, By Value (USD Million), 2016-2026

Figure 150: Australia Green Hydrogen Market- By Technology, By Volume (Thousand Tonnes), 2016-2026

Figure 151: Australia Green Hydrogen Market- By Application, By Value (USD Million), 2016-2026

Figure 152: Australia Green Hydrogen Market- By Application, By Volume (Thousand Tonnes), 2016-2026

Figure 153: Market Attractiveness Chart of Global Green Hydrogen Market - By Technology, By Value (Year 2026)

Figure 154: Market Attractiveness Chart of Global Green Hydrogen Market - By Application, By Value (Year 2026)

Figure 155: Market Attractiveness Chart of Global Green Hydrogen Market By Region, By Value, (Year-2026)

Figure 156: Competitive Positions of Green Hydrogen Company (2019)

Figure 157: Linde plc Annual Sales Revenue (USD Million), 2015-2019

Figure 158: Linde plc Annual Net Income/Loss (USD Million), 2015-2019

Figure 159: Linde plc Sales Revenue Split, By End Market Segment (%), FY2019

Figure 160: Linde plc Sales Revenue Split, By Geography Segment (%), FY2019

Figure 161: Air Liquide Annual Sales Revenue (USD Million), 2015-2019

Figure 162: Air Liquide Annual Net Income/Loss (USD Million), 2015-2019

Figure 163: Air Liquide Sales Revenue Split, By Business Segment (USD Million), FY2019

Figure 164: Air Liquide Sales Revenue Split, By Geography Segment (%), FY2019

Figure 165: Siemens Annual Sales Revenue (USD Million), 2016-2020

Figure 166: Siemens Annual Net Income/Loss (USD Million), 2016-2020

Figure 167: Siemens Sales Revenue Split, By Business Segment (%), FY2020

Figure 168: Siemens Sales Revenue Split, By Geography Segment (%), FY2020

Figure 169: Air Products & Chemicals Annual Sales Revenue (USD Million), 2016-2020

Figure 170: Air Products & Chemicals Annual Net Income/Loss (USD Million),
2016-2020

Figure 171: Air Products & Chemicals Sales Revenue Split, By Business Segment (%),
FY2020

Figure 172: Air Products & Chemicals Sales Revenue Split, By Geography Segment
(%), FY2020

Figure 173: Plug Power Annual Sales Revenue (USD Million), 2015-2019

Figure 174: Plug Power Annual Net Income/Loss (USD Million), 2015-2019

Figure 175: Nel Hydrogen Annual Sales Revenue (USD Million), 2018-2019

Figure 176: Nel Hydrogen Annual Net Income/Loss (USD Million), 2018-2019

Figure 177: Nel Hydrogen Sales Revenue Split, By Business Segment (%), FY2019

Figure 178: Nel Hydrogen Sales Revenue Split, By Geography Segment (%), FY2019

List Of Tables

LIST OF TABLES

Table A: Prominent Green Hydrogen Companies operating in North America

Table B: Prominent Green Hydrogen Companies operating in Europe

Table C: Prominent Green Hydrogen Companies operating in Asia Pacific

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