

Global Hydrogen Electrolyzer Market (Value, Volume) – Analysis By Product, 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 Hydrogen Electrolyzer Market in terms of Value was USD xx Million and in terms of Volume xx Megawatt in year 2020 with North America leading regional market share. Increasing demand for highly efficient and low-space utilizing energy storage systems to handle the electricity produced from solar, wind and hydropower generation units are primary factors driving the global hydrogen electrolyzers market during forecast period. Moreover, increasing establishments of renewable power generation units across the globe coupled with growing investments by the organization in future sustainable technologies are contributing to the growth of hydrogen electrolyzer market during forecast period.

Among the Product segment in the Hydrogen Electrolyzer market (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer and 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 Plants, Energy Storage, Industrial Gases, Power to Gas and Others), Power Plants segment gains a considerable share. Electrolyzers are mainly used for the production of hydrogen with the help of electrolysis of water. They are widely used in the automotive industry for fuel cell electric vehicles as hydrogen can store large amounts of energy and release it when needed for industrial use.

The North America Region dominates the Hydrogen Electrolyzer market. In North America, collective government investments to boost the activities of renewable energy production units and decrease the production of electricity from coal-powered stations is expected to boost huge market demand for hydrogen electrolyzer during forecast period.

SCOPE OF THE REPORT

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

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

The report analyses the Hydrogen Electrolyzer market by Application (Power Plants, Energy Storage, Industrial Gases, Power to Gas, Others).

The Global Hydrogen Electrolyzer Market has been analysed by Region (North America, Europe, and 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, product 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 Nel Hydrogen, Hydrogenics, McPhy, ITM Power, Plug Power, Giner, Inc., AREVA H2Gen, ERGOSUP, Green Hydrogen Systems and Loop Energy Inc.

The report presents the analysis of Hydrogen Electrolyzer market for the

historical period of 2016-2020 and the forecast period of 2021-2026.

KEY TARGET AUDIENCE

Hydrogen Electrolyzer Companies

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 HYDROGEN ELECTROLYZER MARKET: PRODUCT OUTLOOK

4. GLOBAL HYDROGEN ELECTROLYZER 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 HYDROGEN ELECTROLYZER MARKET SEGMENTATION BY PRODUCT (BY VALUE, BY VOLUME)

- 5.1 Competitive Scenario of Global Hydrogen Electrolyzer Market: By Product
- 5.2 Proton Exchange Membrane Electrolyzer– Market Size and Forecast (2016-2026)
- 5.3 Alkaline Electrolyzer– Market Size and Forecast (2016-2026)
- 5.4 Solid Oxide Electrolyzer– Market Size and Forecast (2016-2026)

6. GLOBAL HYDROGEN ELECTROLYZER MARKET SEGMENTATION BY APPLICATION (BY VALUE, BY VOLUME)

- 6.1 Competitive Scenario of Global Hydrogen Electrolyzer Market: By Application
- 6.2 Power Plants– Market Size and Forecast (2016-2026)
- 6.3 Energy Storage– Market Size and Forecast (2016-2026)
- 6.4 Industrial Gases– Market Size and Forecast (2016-2026)
- 6.5 Power to Gas– Market Size and Forecast (2016-2026)
- 6.6 Others– Market Size and Forecast (2016-2026)

7. GLOBAL HYDROGEN ELECTROLYZER MARKET: REGIONAL ANALYSIS

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

8. NORTH AMERICA HYDROGEN ELECTROLYZER MARKET (VALUE, VOLUME): AN ANALYSIS (2016-2026)

- 8.1 North America Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value
- 8.2 North America Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume
- 8.3 North America Hydrogen Electrolyzer Market – Prominent Companies
- 8.4 Market Segmentation By Product (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer and Solid Oxide Electrolyzer.)
- 8.5 Market Segmentation By Application (Power Plants, Energy Storage, Industrial Gases, Power to Gas and Others.)
- 8.6 North America Hydrogen Electrolyzer Market: Country Analysis
- 8.7 Market Opportunity Chart of North America Hydrogen Electrolyzer Market - By Country, By Value (Year-2026)
- 8.8 Competitive Scenario of North America- By Country
- 8.9 United States Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value
- 8.10 United States Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume
- 8.11 United States Hydrogen Electrolyzer Market Leading Companies
- 8.12 United States Hydrogen Electrolyzer Market Segmentation By Product and Application.
- 8.13 Canada Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value
- 8.14 Canada Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume
- 8.15 Canada Hydrogen Electrolyzer Market Segmentation By Product and Application.

9. EUROPE HYDROGEN ELECTROLYZER MARKET (VALUE, VOLUME): AN ANALYSIS (2016-2026)

- 9.1 Europe Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value
- 9.2 Europe Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume
- 9.3 Europe Hydrogen Electrolyzer Market – Prominent Companies
- 9.4 Market Segmentation By Product (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer and Solid Oxide Electrolyzer.)
- 9.5 Market Segmentation By Application (Power Plants, Energy Storage, Industrial Gases, Power to Gas and Others.)
- 9.6 Europe Hydrogen Electrolyzer Market: Country Analysis

9.7 Market Opportunity Chart of Europe Hydrogen Electrolyzer Market - By Country, By Value (Year-2026)

9.8 Competitive Scenario of Europe - By Country

9.9 Germany Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value

9.10 Germany Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume

9.11 Germany Hydrogen Electrolyzer Market Segmentation By Product and Application.

9.12 Italy Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value

9.13 Italy Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume

9.14 Italy Hydrogen Electrolyzer Market Segmentation By Product and Application.

9.15 United Kingdom Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value

9.16 United Kingdom Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume

9.17 United Kingdom Hydrogen Electrolyzer Market Segmentation By Product and Application.

9.18 France Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value

9.19 France Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume

9.20 France Hydrogen Electrolyzer Market Segmentation By Product and Application.

10. ASIA PACIFIC HYDROGEN ELECTROLYZER MARKET (VALUE, VOLUME): AN ANALYSIS (2016-2026)

10.1 Asia Pacific Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value

10.2 Asia Pacific Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume

10.3 Asia Pacific Hydrogen Electrolyzer Market – Prominent Companies

10.4 Market Segmentation By Product (Proton Exchange Membrane Electrolyzer, Alkaline Electrolyzer and Solid Oxide Electrolyzer.)

10.5 Market Segmentation By Application (Power Plants, Energy Storage, Industrial Gases, Power to Gas and Others.)

10.6 Asia Pacific Hydrogen Electrolyzer Market: Country Analysis

10.7 Market Opportunity Chart of Asia Pacific Hydrogen Electrolyzer Market - By Country, By Value (Year-2026)

10.8 Competitive Scenario of Asia Pacific- By Country

10.9 China Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value

10.10 China Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume

10.11 China Hydrogen Electrolyzer Market Segmentation By Product and Application.

- 10.12 Japan Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value
- 10.13 Japan Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume
- 10.14 Japan Hydrogen Electrolyzer Market Segmentation By Product and Application.
- 10.15 India Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value
- 10.16 India Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume
- 10.17 India Hydrogen Electrolyzer Market Segmentation By Product and Application.
- 10.18 Australia Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Value
- 10.19 Australia Hydrogen Electrolyzer Market: Size and Forecast (2016-2026), By Volume
- 10.20 Australia Hydrogen Electrolyzer Market Segmentation By Product and Application.

11. GLOBAL HYDROGEN ELECTROLYZER MARKET DYNAMICS

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

12. MARKET ATTRACTIVENESS AND STRATEGIC ANALYSIS

- 12.1 Market Attractiveness
 - 12.1.1 Market Attractiveness Chart of Global Hydrogen Electrolyzer Market – By Product, By Value (Year-2026)
 - 12.1.2 Market Attractiveness Chart of Global Hydrogen Electrolyzer Market – By Application, By Value (Year-2026)
 - 12.1.3 Market Attractiveness Chart of Global Hydrogen Electrolyzer 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 Nel Hydrogen
- 14.2 Hydrogenics
- 14.3 Mcphy
- 14.4 ITM Power
- 14.5 Plug Power
- 14.6 Giner, Inc.
- 14.7 AREVA H2Gen
- 14.8 ERGOSUP
- 14.9 Green Hydrogen Systems
- 14.10 Loop Energy Inc.

List Of Figures

LIST OF FIGURES

- Figure 1: Global Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)
- Figure 2: Global Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)
- Figure 3: Global Hydrogen Electrolyzer Market Growth Rate, 2016-2026 (%)
- Figure 4: Cumulative installed capacity vs. 2020-2025 project pipeline (MW)
- Figure 5: Largest proposed hydrogen producing sites in 2020, with expected installed capacity by 2025, (in megawatts)
- Figure 6: Cost of Hydrogen from Electrolysis , Euro Per Megawatt Hours of electricity used
- Figure 7: Global Electricity Production, in 2019 (in %)
- Figure 8: Annual Growth for Renewable Electricity Generation by Source – 2018 - 2020
- Figure 9: Forecasted cumulative final energy demand change due to COVID-19 impact worldwide from 2020 to 2050
- Figure 10: Estimated cost of producing green hydrogen via electrolysis (2020 – 2050 (E average)
- Figure 11: Demand for pure hydrogen worldwide from 2010 to 2019 by industrial consumer, in metric tons
- Figure 12: Global Hydrogen Electrolyzer Market, By Product, 2020, 2026
- Figure 13: Global Hydrogen Electrolyzer Market- By Proton Exchange Membrane Electrolyzer, By Value (USD Thousand), 2016-2026
- Figure 14: Global Hydrogen Electrolyzer Market- By Proton Exchange Membrane Electrolyzer, By Volume (Megawatt), 2016-2026
- Figure 15: Global Hydrogen Electrolyzer Market- By Alkaline Electrolyzer, By Value (USD Thousand), 2016-2026
- Figure 16: Global Hydrogen Electrolyzer Market- By Alkaline Electrolyzer, By Volume (Megawatt), 2016-2026
- Figure 17: Global Hydrogen Electrolyzer Market- By Solid Oxide Electrolyzer, By Value (USD Thousand), 2016-2026
- Figure 18: Global Hydrogen Electrolyzer Market- By Solid Oxide Electrolyzer, By Volume (Megawatt), 2016-2026
- Figure 19: Global Hydrogen Electrolyzer Market, By Application, 2020, 2026
- Figure 20: Global Hydrogen Electrolyzer Market- By Power Plants, By Value (USD Thousand), 2016-2026
- Figure 21: Global Hydrogen Electrolyzer Market- By Power Plants, By Volume (Megawatt), 2016-2026

Figure 22: Global Hydrogen Electrolyzer Market- By Energy Storage, By Value (USD Thousand), 2016-2026

Figure 23: Global Hydrogen Electrolyzer Market- By Energy Storage, By Volume (Megawatt), 2016-2026

Figure 24: Global Hydrogen Electrolyzer Market- By Industrial Gases, By Value (USD Thousand), 2016-2026

Figure 25: Global Hydrogen Electrolyzer Market- By Industrial Gases, By Volume (Megawatt), 2016-2026

Figure 26: Global Hydrogen Electrolyzer Market- By Power to Gas, By Value (USD Thousand), 2016-2026

Figure 27: Global Hydrogen Electrolyzer Market- By Power to Gas, By Volume (Megawatt), 2016-2026

Figure 28: Global Hydrogen Electrolyzer Market- By Others, By Value (USD Thousand), 2016-2026

Figure 29: Global Hydrogen Electrolyzer Market- By Others, By Volume (Megawatt), 2016-2026

Figure 30: Global Hydrogen Electrolyzer Market, By Region, 2020, 2026

Figure 31: North America Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 32: North America Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 33: North America Solar Power Installed Capacity in MW, 2014 - 2019

Figure 34: Electricity Generation, in Terawatt – Hours (TWh), North America, 2014 - 2019

Figure 35: North America Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 36: North America Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 37: North America Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 38: North America Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 39: Market Opportunity Chart of North America Hydrogen Electrolyzer Market By Country, By Value, (Year-2026)

Figure 40: North America Hydrogen Electrolyzer Market, By Country, 2020, 2026

Figure 41: United States Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (USD Thousand)

Figure 42: United States Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 43: Hydrogen Consumption in US Market, in 2020, (in %)

Figure 44: Forecasted production costs for hydrogen in USA in 2030, by scenario and production type (in USD Per Kg)

Figure 45: Largest electric utilities based on market value in the United States as of April 2020, in USD Billion

Figure 46: United States Energy Consumption by Sector in 2019

Figure 47: United States Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 48: United States Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 49: United States Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 50: United States Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 51: Canada Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 52: Canada Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 53: Natural Gas Based Electricity Generation, in Canada, in Terawatt Hours, 2014 - 2019

Figure 54: Canada Electricity Generation By Source, in 2018, (in %)

Figure 55: Forecast of demand for solar photovoltaic power in Canada from 2015 to 2020, in megawatts

Figure 56: Canada Electricity Energy Usage by Sector in 2017, (in %)

Figure 57: Canada Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 58: Canada Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 59: Canada Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 60: Canada Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 61: Europe Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 62: Europe Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 63: Announced Electrolyzer Projected Capacity, in Europe, in Gigawatt

Figure 64: Production volume of hydrogen in select countries (EU-28) in 2017 , (in million cubic meters)

Figure 65: EU -27 share of energy from renewable sources in total gross electricity generation, in 2018

Figure 66: EU -27 share of energy from renewable sources for energy consumption in transport, in 2018

Figure 67: Europe Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 68: Europe Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 69: Europe Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 70: Europe Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 71: Market Opportunity Chart of Europe Hydrogen Electrolyzer Market- By Country, By Value (Year-2026)

Figure 72: Europe Hydrogen Electrolyzer Market, By Country, 2020, 2026

Figure 73: Germany Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 74: Germany Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 75: Generation Mix for Germany, (in %), in 2020 and 2025

Figure 76: Net Electricity Production in Germany, in 2019, (in %)

Figure 77: Germany Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 78: Germany Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 79: Germany Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 80: Germany Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 81: Italy Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 82: Italy Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 83: Sources of Installed Power Capacity in Italy, in 2017

Figure 84: Generation Mix Expected Evolution for Italy, in 2024, in Terawatt - hours

Figure 85: Italy Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 86: Italy Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 87: Italy Hydrogen Electrolyzer Market- By Application, By Value (USD

Thousand), 2016-2026

Figure 88: Italy Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 89: United Kingdom Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 90: United Kingdom Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 91: Distribution of hydrogen production methods in the United Kingdom (UK) as of 2019

Figure 92: Renewable Electricity Generation, in Terawatt - hours, in United Kingdom, 2014 - 2019

Figure 93: United Kingdom Energy Consumption , in 2018 , in Terawatt - hours

Figure 94: United Kingdom Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 95: United Kingdom Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 96: United Kingdom Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 97: United Kingdom Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 98: France Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 99: France Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 100: Renewable Energy Installed Capacity, in Gigawatt, in France, 2015 - 2019

Figure 101: Production of electricity in France in 2019, by energy source, (in terawatt – hours)

Figure 102: France Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 103: France Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 104: France Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 105: France Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 106: Asia Pacific Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 107: Asia Pacific Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

- Figure 108: Passenger Car Production in Asia Pacific, in 2018 (in million Units)
- Figure 109: Hydrogen Supply Potential by Countries , in Asia Pacific
- Figure 110: Asia Pacific Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026
- Figure 111: Asia Pacific Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026
- Figure 112: Asia Pacific Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026
- Figure 113: Asia Pacific Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026
- Figure 114: Market Opportunity Chart of Asia Pacific Hydrogen Electrolyzer Market- By Country, By Value (Year-2026)
- Figure 115: Asia Pacific Hydrogen Electrolyzer Market, By Country, 2020, 2026
- Figure 116: China Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)
- Figure 117: China Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)
- Figure 118: Production of motor vehicles in China (in million Units), 2015-2019
- Figure 119: Primary Energy Consumption, in Million Tons of Oil Equivalent (mtoe), China, 2014 - 2019
- Figure 120: China Total Primary Energy Consumption by fuel type , in 2019
- Figure 121: China Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026
- Figure 122: China Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026
- Figure 123: China Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026
- Figure 124: China Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026
- Figure 125: Japan Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)
- Figure 126: Japan Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)
- Figure 127: Traded volume of electricity in Japan from fiscal year 2010 to 2018, (in gigawatt hours)
- Figure 128: Japan Total Energy Consumption , in 2019
- Figure 129: Electricity Generation from industrial Waste in GWh, in Japan, 2012 - 2019
- Figure 130: Japan Carbon Dioxide Emissions in million tonnes of carbon dioxide, 2012 - 2019

Figure 131: Japan Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 132: Japan Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

Figure 133: Japan Hydrogen Electrolyzer Market- By Application, By Value (USD Thousand), 2016-2026

Figure 134: Japan Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 135: India Hydrogen Electrolyzer Market Size, By Value, 2016-2026 (USD Thousand)

Figure 136: India Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

Figure 137: Access to Electricity in India , in % of population, 2013 - 2019

Figure 138: India Total Primary Energy Consumption by fuel type , in 2019

Figure 139: India Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 140: India Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

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

Figure 142: India Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

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

Figure 144: Australia Hydrogen Electrolyzer Market Size, By Volume, 2016-2026 (Megawatt)

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 Hydrogen Electrolyzer Market- By Product, By Value (USD Thousand), 2016-2026

Figure 150: Australia Hydrogen Electrolyzer Market- By Product, By Volume (Megawatt), 2016-2026

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

Figure 152: Australia Hydrogen Electrolyzer Market- By Application, By Volume (Megawatt), 2016-2026

Figure 153: Market Attractiveness Chart of Global Hydrogen Electrolyzer Market – By Product, By Value (Year 2026)

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

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

Figure 156: Competitive Positions of Hydrogen Electrolyzer Company (2018)

Figure 157: Nel Hydrogen Annual Sales Revenue (USD Million), 2015-2019

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

Figure 159: Nel Hydrogen Sales Revenue Split, By Business Segment (%), FY2019

Figure 160: Nel Hydrogen Sales Revenue Split, By Geography Segment (%), FY2019

Figure 161: Hydrogenics Annual Sales Revenue (USD Million), 2015-2018

Figure 162: Hydrogenics Annual Net Income/Loss (USD Million), 2015-2018

Figure 163: Hydrogenics Sales Revenue Split, By Business Segment (%), FY2018

Figure 164: Hydrogenics Sales Revenue Split, By Geography Segment (%), FY2018

Figure 165: McPhy Annual Sales Revenue (USD Million), 2016-2019

Figure 166: McPhy Annual Net Income/Loss (USD Million), 2016-2019

Figure 167: ITM Power Annual Sales Revenue (USD Million), 2016-2020

Figure 168: ITM Power Annual Net Income/Loss (USD Million), 2016-2020

Figure 169: ITM Power Sales Revenue Split, By Product Segment (%), FY2020

Figure 170: ITM Power Sales Revenue Split, By Geography Segment (%), FY2020

Figure 171: Plug Power Annual Sales Revenue (USD Million), 2015-2019

Figure 172: Plug Power Annual Net Income/Loss (USD Million), 2015-2019

List Of Tables

LIST OF TABLES

Table A: Prominent Hydrogen Electrolyzer Companies operating in North America

Table B: Overview of National Hydrogen Strategies of EU Countries

Table C: Prominent Hydrogen Electrolyzer Companies operating in Europe

Table D: United Kingdom Hydrogen Electrolysis Projects

Table E: Prominent Hydrogen Electrolyzer companies operating in Asia Pacific

Table F: China Hydrogen Industry Targets

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