

Hydrogen Electrolyzer Industry Research Report 2023

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Abstracts

Highlights

The global Hydrogen Electrolyzer market is projected to reach US\$ million by 2029 from an estimated US\$ million in 2022, at a CAGR of % during 2023 and 2029.

North American market for Hydrogen Electrolyzer is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Asia-Pacific market for Hydrogen Electrolyzer is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

The major global companies of Hydrogen Electrolyzer include 718th Research Institute of CSIC, Suzhou Jingli, Proton On-Site, Cummins, Siemens, Teledyne Energy Systems, EM Solution, McPhy and Nel Hydrogen, etc. In 2022, the world's top three vendors accounted for approximately % of the revenue.

The global market for Hydrogen Electrolyzer in Power Plants is estimated to increase from \$ million in 2022 to \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Considering the economic change due to COVID-19 and Russia-Ukraine War Influence, Traditional Alkaline Electroliser, which accounted for % of the global market of Hydrogen Electrolyzer in 2022, is expected to reach million US\$ by 2029, growing at a revised CAGR of % from 2023 to 2029.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Hydrogen Electrolyzer, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Hydrogen Electrolyzer.

The Hydrogen Electrolyzer market size, estimations, and forecasts are provided in terms of output/shipments (Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Hydrogen Electrolyzer market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Hydrogen Electrolyzer manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2018-2023. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

718th Research Institute of CSIC

Suzhou Jingli

Proton On-Site

Cummins

Siemens

Teledyne Energy Systems

EM Solution

McPhy

Nel Hydrogen

Toshiba

TianJin Mainland

Yangzhou Chungdean Hydrogen Equipment

Elogen

Erredue SpA

Kobelco Eco-Solutions

ITM Power

Idroenergy Spa

ShaanXi HuaQin

Beijing Zhongdian

Elchemtech

H2B2

Verde LLC

Product Type Insights

Global markets are presented by Hydrogen Electrolyzer type, along with growth forecasts through 2029. Estimates on production and value are based on the price in the supply chain at which the Hydrogen Electrolyzer are procured by the manufacturers.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

Hydrogen Electrolyzer segment by Type

Traditional Alkaline Electroliser

PEM Electroliser

Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors impacting the Hydrogen Electrolyzer market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the Hydrogen Electrolyzer market.

Hydrogen Electrolyzer segment by Application

Power Plants

Steel Plant

Electronics and Photovoltaics

Industrial Gases

Energy Storage or Fueling for FCEV's

Power to Gas

Others

Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast value for 2029.

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to

business. Specialists have also laid their focus on the upcoming business prospects.

COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the Hydrogen Electrolyzer market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Hydrogen Electrolyzer market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of Hydrogen Electrolyzer and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the Hydrogen Electrolyzer industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Hydrogen Electrolyzer.

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Hydrogen Electrolyzer manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Hydrogen Electrolyzer by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Hydrogen Electrolyzer in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find

the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Hydrogen Electrolyzer by Type
 - 2.2.1 Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)
 - 1.2.2 Traditional Alkaline Electroliser
 - 1.2.3 PEM Electroliser
- 2.3 Hydrogen Electrolyzer by Application
 - 2.3.1 Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)
 - 2.3.2 Power Plants
 - 2.3.3 Steel Plant
 - 2.3.4 Electronics and Photovoltaics
 - 2.3.5 Industrial Gases
 - 2.3.6 Energy Storage or Fueling for FCEV's
 - 2.3.7 Power to Gas
 - 2.3.8 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Hydrogen Electrolyzer Production Value Estimates and Forecasts (2018-2029)
 - 2.4.2 Global Hydrogen Electrolyzer Production Capacity Estimates and Forecasts (2018-2029)
 - 2.4.3 Global Hydrogen Electrolyzer Production Estimates and Forecasts (2018-2029)
 - 2.4.4 Global Hydrogen Electrolyzer Market Average Price (2018-2029)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Hydrogen Electrolyzer Production by Manufacturers (2018-2023)
- 3.2 Global Hydrogen Electrolyzer Production Value by Manufacturers (2018-2023)
- 3.3 Global Hydrogen Electrolyzer Average Price by Manufacturers (2018-2023)
- 3.4 Global Hydrogen Electrolyzer Industry Manufacturers Ranking, 2021 VS 2022 VS 2023
- 3.5 Global Hydrogen Electrolyzer Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Hydrogen Electrolyzer Manufacturers, Product Type & Application
- 3.7 Global Hydrogen Electrolyzer Manufacturers, Date of Enter into This Industry
- 3.8 Global Hydrogen Electrolyzer Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

- 4.1 718th Research Institute of CSIC
 - 4.1.1 718th Research Institute of CSIC Hydrogen Electrolyzer Company Information
 - 4.1.2 718th Research Institute of CSIC Hydrogen Electrolyzer Business Overview
 - 4.1.3 718th Research Institute of CSIC Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 4.1.4 718th Research Institute of CSIC Product Portfolio
 - 4.1.5 718th Research Institute of CSIC Recent Developments
- 4.2 Suzhou Jingli
 - 4.2.1 Suzhou Jingli Hydrogen Electrolyzer Company Information
 - 4.2.2 Suzhou Jingli Hydrogen Electrolyzer Business Overview
 - 4.2.3 Suzhou Jingli Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 4.2.4 Suzhou Jingli Product Portfolio
 - 4.2.5 Suzhou Jingli Recent Developments
- 4.3 Proton On-Site
 - 4.3.1 Proton On-Site Hydrogen Electrolyzer Company Information
 - 4.3.2 Proton On-Site Hydrogen Electrolyzer Business Overview
 - 4.3.3 Proton On-Site Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 4.3.4 Proton On-Site Product Portfolio
 - 4.3.5 Proton On-Site Recent Developments
- 4.4 Cummins
 - 4.4.1 Cummins Hydrogen Electrolyzer Company Information
 - 4.4.2 Cummins Hydrogen Electrolyzer Business Overview
 - 4.4.3 Cummins Hydrogen Electrolyzer Production, Value and Gross Margin

(2018-2023)

4.4.4 Cummins Product Portfolio

4.4.5 Cummins Recent Developments

4.5 Siemens

4.5.1 Siemens Hydrogen Electrolyzer Company Information

4.5.2 Siemens Hydrogen Electrolyzer Business Overview

4.5.3 Siemens Hydrogen Electrolyzer Production, Value and Gross Margin

(2018-2023)

4.5.4 Siemens Product Portfolio

4.5.5 Siemens Recent Developments

4.6 Teledyne Energy Systems

4.6.1 Teledyne Energy Systems Hydrogen Electrolyzer Company Information

4.6.2 Teledyne Energy Systems Hydrogen Electrolyzer Business Overview

4.6.3 Teledyne Energy Systems Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)

4.6.4 Teledyne Energy Systems Product Portfolio

4.6.5 Teledyne Energy Systems Recent Developments

4.7 EM Solution

4.7.1 EM Solution Hydrogen Electrolyzer Company Information

4.7.2 EM Solution Hydrogen Electrolyzer Business Overview

4.7.3 EM Solution Hydrogen Electrolyzer Production, Value and Gross Margin

(2018-2023)

4.7.4 EM Solution Product Portfolio

4.7.5 EM Solution Recent Developments

4.8 McPhy

4.8.1 McPhy Hydrogen Electrolyzer Company Information

4.8.2 McPhy Hydrogen Electrolyzer Business Overview

4.8.3 McPhy Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)

4.8.4 McPhy Product Portfolio

4.8.5 McPhy Recent Developments

4.9 Nel Hydrogen

4.9.1 Nel Hydrogen Hydrogen Electrolyzer Company Information

4.9.2 Nel Hydrogen Hydrogen Electrolyzer Business Overview

4.9.3 Nel Hydrogen Hydrogen Electrolyzer Production, Value and Gross Margin

(2018-2023)

4.9.4 Nel Hydrogen Product Portfolio

4.9.5 Nel Hydrogen Recent Developments

4.10 Toshiba

4.10.1 Toshiba Hydrogen Electrolyzer Company Information

- 4.10.2 Toshiba Hydrogen Electrolyzer Business Overview
- 4.10.3 Toshiba Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
- 4.10.4 Toshiba Product Portfolio
- 4.10.5 Toshiba Recent Developments
- 7.11 TianJin Mainland
 - 7.11.1 TianJin Mainland Hydrogen Electrolyzer Company Information
 - 7.11.2 TianJin Mainland Hydrogen Electrolyzer Business Overview
 - 4.11.3 TianJin Mainland Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.11.4 TianJin Mainland Product Portfolio
 - 7.11.5 TianJin Mainland Recent Developments
- 7.12 Yangzhou Chungdean Hydrogen Equipment
 - 7.12.1 Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyzer Company Information
 - 7.12.2 Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyzer Business Overview
 - 7.12.3 Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.12.4 Yangzhou Chungdean Hydrogen Equipment Product Portfolio
 - 7.12.5 Yangzhou Chungdean Hydrogen Equipment Recent Developments
- 7.13 Elogen
 - 7.13.1 Elogen Hydrogen Electrolyzer Company Information
 - 7.13.2 Elogen Hydrogen Electrolyzer Business Overview
 - 7.13.3 Elogen Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.13.4 Elogen Product Portfolio
 - 7.13.5 Elogen Recent Developments
- 7.14 Erredue SpA
 - 7.14.1 Erredue SpA Hydrogen Electrolyzer Company Information
 - 7.14.2 Erredue SpA Hydrogen Electrolyzer Business Overview
 - 7.14.3 Erredue SpA Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.14.4 Erredue SpA Product Portfolio
 - 7.14.5 Erredue SpA Recent Developments
- 7.15 Kobelco Eco-Solutions
 - 7.15.1 Kobelco Eco-Solutions Hydrogen Electrolyzer Company Information
 - 7.15.2 Kobelco Eco-Solutions Hydrogen Electrolyzer Business Overview
 - 7.15.3 Kobelco Eco-Solutions Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)

- 7.15.4 Kobelco Eco-Solutions Product Portfolio
- 7.15.5 Kobelco Eco-Solutions Recent Developments
- 7.16 ITM Power
 - 7.16.1 ITM Power Hydrogen Electrolyzer Company Information
 - 7.16.2 ITM Power Hydrogen Electrolyzer Business Overview
 - 7.16.3 ITM Power Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.16.4 ITM Power Product Portfolio
 - 7.16.5 ITM Power Recent Developments
- 7.17 Idroenergy Spa
 - 7.17.1 Idroenergy Spa Hydrogen Electrolyzer Company Information
 - 7.17.2 Idroenergy Spa Hydrogen Electrolyzer Business Overview
 - 7.17.3 Idroenergy Spa Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.17.4 Idroenergy Spa Product Portfolio
 - 7.17.5 Idroenergy Spa Recent Developments
- 7.18 ShaanXi HuaQin
 - 7.18.1 ShaanXi HuaQin Hydrogen Electrolyzer Company Information
 - 7.18.2 ShaanXi HuaQin Hydrogen Electrolyzer Business Overview
 - 7.18.3 ShaanXi HuaQin Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.18.4 ShaanXi HuaQin Product Portfolio
 - 7.18.5 ShaanXi HuaQin Recent Developments
- 7.19 Beijing Zhongdian
 - 7.19.1 Beijing Zhongdian Hydrogen Electrolyzer Company Information
 - 7.19.2 Beijing Zhongdian Hydrogen Electrolyzer Business Overview
 - 7.19.3 Beijing Zhongdian Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.19.4 Beijing Zhongdian Product Portfolio
 - 7.19.5 Beijing Zhongdian Recent Developments
- 7.20 Elchemtech
 - 7.20.1 Elchemtech Hydrogen Electrolyzer Company Information
 - 7.20.2 Elchemtech Hydrogen Electrolyzer Business Overview
 - 7.20.3 Elchemtech Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.20.4 Elchemtech Product Portfolio
 - 7.20.5 Elchemtech Recent Developments
- 7.21 H2B2
 - 7.21.1 H2B2 Hydrogen Electrolyzer Company Information

- 7.21.2 H2B2 Hydrogen Electrolyzer Business Overview
- 7.21.3 H2B2 Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
- 7.21.4 H2B2 Product Portfolio
- 7.21.5 H2B2 Recent Developments
- 7.22 Verde LLC
 - 7.22.1 Verde LLC Hydrogen Electrolyzer Company Information
 - 7.22.2 Verde LLC Hydrogen Electrolyzer Business Overview
 - 7.22.3 Verde LLC Hydrogen Electrolyzer Production, Value and Gross Margin (2018-2023)
 - 7.22.4 Verde LLC Product Portfolio
 - 7.22.5 Verde LLC Recent Developments

5 GLOBAL HYDROGEN ELECTROLYZER PRODUCTION BY REGION

- 5.1 Global Hydrogen Electrolyzer Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 5.2 Global Hydrogen Electrolyzer Production by Region: 2018-2029
 - 5.2.1 Global Hydrogen Electrolyzer Production by Region: 2018-2023
 - 5.2.2 Global Hydrogen Electrolyzer Production Forecast by Region (2024-2029)
- 5.3 Global Hydrogen Electrolyzer Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 5.4 Global Hydrogen Electrolyzer Production Value by Region: 2018-2029
 - 5.4.1 Global Hydrogen Electrolyzer Production Value by Region: 2018-2023
 - 5.4.2 Global Hydrogen Electrolyzer Production Value Forecast by Region (2024-2029)
- 5.5 Global Hydrogen Electrolyzer Market Price Analysis by Region (2018-2023)
- 5.6 Global Hydrogen Electrolyzer Production and Value, YOY Growth
 - 5.6.1 North America Hydrogen Electrolyzer Production Value Estimates and Forecasts (2018-2029)
 - 5.6.2 Europe Hydrogen Electrolyzer Production Value Estimates and Forecasts (2018-2029)
 - 5.6.3 China Hydrogen Electrolyzer Production Value Estimates and Forecasts (2018-2029)
 - 5.6.4 Japan Hydrogen Electrolyzer Production Value Estimates and Forecasts (2018-2029)

6 GLOBAL HYDROGEN ELECTROLYZER CONSUMPTION BY REGION

- 6.1 Global Hydrogen Electrolyzer Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

6.2 Global Hydrogen Electrolyzer Consumption by Region (2018-2029)

6.2.1 Global Hydrogen Electrolyzer Consumption by Region: 2018-2029

6.2.2 Global Hydrogen Electrolyzer Forecasted Consumption by Region (2024-2029)

6.3 North America

6.3.1 North America Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.3.2 North America Hydrogen Electrolyzer Consumption by Country (2018-2029)

6.3.3 United States

6.3.4 Canada

6.4 Europe

6.4.1 Europe Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.4.2 Europe Hydrogen Electrolyzer Consumption by Country (2018-2029)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.5.2 Asia Pacific Hydrogen Electrolyzer Consumption by Country (2018-2029)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.6.2 Latin America, Middle East & Africa Hydrogen Electrolyzer Consumption by Country (2018-2029)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global Hydrogen Electrolyzer Production by Type (2018-2029)

7.1.1 Global Hydrogen Electrolyzer Production by Type (2018-2029) & (Units)

7.1.2 Global Hydrogen Electrolyzer Production Market Share by Type (2018-2029)

7.2 Global Hydrogen Electrolyzer Production Value by Type (2018-2029)

7.2.1 Global Hydrogen Electrolyzer Production Value by Type (2018-2029) & (US\$ Million)

7.2.2 Global Hydrogen Electrolyzer Production Value Market Share by Type (2018-2029)

7.3 Global Hydrogen Electrolyzer Price by Type (2018-2029)

8 SEGMENT BY APPLICATION

8.1 Global Hydrogen Electrolyzer Production by Application (2018-2029)

8.1.1 Global Hydrogen Electrolyzer Production by Application (2018-2029) & (Units)

8.1.2 Global Hydrogen Electrolyzer Production by Application (2018-2029) & (Units)

8.2 Global Hydrogen Electrolyzer Production Value by Application (2018-2029)

8.2.1 Global Hydrogen Electrolyzer Production Value by Application (2018-2029) & (US\$ Million)

8.2.2 Global Hydrogen Electrolyzer Production Value Market Share by Application (2018-2029)

8.3 Global Hydrogen Electrolyzer Price by Application (2018-2029)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 Hydrogen Electrolyzer Value Chain Analysis

9.1.1 Hydrogen Electrolyzer Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Hydrogen Electrolyzer Production Mode & Process

9.2 Hydrogen Electrolyzer Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Hydrogen Electrolyzer Distributors

9.2.3 Hydrogen Electrolyzer Customers

10 GLOBAL HYDROGEN ELECTROLYZER ANALYZING MARKET DYNAMICS

10.1 Hydrogen Electrolyzer Industry Trends

10.2 Hydrogen Electrolyzer Industry Drivers

10.3 Hydrogen Electrolyzer Industry Opportunities and Challenges

10.4 Hydrogen Electrolyzer Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

List Of Tables

LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)

Table 4. Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)

Table 5. Global Hydrogen Electrolyzer Production by Manufacturers (Units) & (2018-2023)

Table 6. Global Hydrogen Electrolyzer Production Market Share by Manufacturers

Table 7. Global Hydrogen Electrolyzer Production Value by Manufacturers (US\$ Million) & (2018-2023)

Table 8. Global Hydrogen Electrolyzer Production Value Market Share by Manufacturers (2018-2023)

Table 9. Global Hydrogen Electrolyzer Average Price (K US\$/Unit) of Key Manufacturers (2018-2023)

Table 10. Global Hydrogen Electrolyzer Industry Manufacturers Ranking, 2021 VS 2022 VS 2023

Table 11. Global Hydrogen Electrolyzer Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global Hydrogen Electrolyzer by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2022)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. 718th Research Institute of CSIC Hydrogen Electrolyzer Company Information

Table 16. 718th Research Institute of CSIC Business Overview

Table 17. 718th Research Institute of CSIC Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 18. 718th Research Institute of CSIC Product Portfolio

Table 19. 718th Research Institute of CSIC Recent Developments

Table 20. Suzhou Jingli Hydrogen Electrolyzer Company Information

Table 21. Suzhou Jingli Business Overview

Table 22. Suzhou Jingli Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 23. Suzhou Jingli Product Portfolio

Table 24. Suzhou Jingli Recent Developments

Table 25. Proton On-Site Hydrogen Electrolyzer Company Information

Table 26. Proton On-Site Business Overview

Table 27. Proton On-Site Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 28. Proton On-Site Product Portfolio

Table 29. Proton On-Site Recent Developments

Table 30. Cummins Hydrogen Electrolyzer Company Information

Table 31. Cummins Business Overview

Table 32. Cummins Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 33. Cummins Product Portfolio

Table 34. Cummins Recent Developments

Table 35. Siemens Hydrogen Electrolyzer Company Information

Table 36. Siemens Business Overview

Table 37. Siemens Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 38. Siemens Product Portfolio

Table 39. Siemens Recent Developments

Table 40. Teledyne Energy Systems Hydrogen Electrolyzer Company Information

Table 41. Teledyne Energy Systems Business Overview

Table 42. Teledyne Energy Systems Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 43. Teledyne Energy Systems Product Portfolio

Table 44. Teledyne Energy Systems Recent Developments

Table 45. EM Solution Hydrogen Electrolyzer Company Information

Table 46. EM Solution Business Overview

Table 47. EM Solution Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 48. EM Solution Product Portfolio

Table 49. EM Solution Recent Developments

Table 50. McPhy Hydrogen Electrolyzer Company Information

Table 51. McPhy Business Overview

Table 52. McPhy Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 53. McPhy Product Portfolio

Table 54. McPhy Recent Developments

Table 55. Nel Hydrogen Hydrogen Electrolyzer Company Information

Table 56. Nel Hydrogen Business Overview

Table 57. Nel Hydrogen Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 58. Nel Hydrogen Product Portfolio

Table 59. Nel Hydrogen Recent Developments

Table 60. Toshiba Hydrogen Electrolyzer Company Information

Table 61. Toshiba Business Overview

Table 62. Toshiba Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 63. Toshiba Product Portfolio

Table 64. Toshiba Recent Developments

Table 65. TianJin Mainland Hydrogen Electrolyzer Company Information

Table 66. TianJin Mainland Business Overview

Table 67. TianJin Mainland Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 68. TianJin Mainland Product Portfolio

Table 69. TianJin Mainland Recent Developments

Table 70. Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyzer Company Information

Table 71. Yangzhou Chungdean Hydrogen Equipment Business Overview

Table 72. Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 73. Yangzhou Chungdean Hydrogen Equipment Product Portfolio

Table 74. Yangzhou Chungdean Hydrogen Equipment Recent Developments

Table 75. Elogen Hydrogen Electrolyzer Company Information

Table 76. Elogen Business Overview

Table 77. Elogen Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 78. Elogen Product Portfolio

Table 79. Elogen Recent Developments

Table 80. Erredue SpA Hydrogen Electrolyzer Company Information

Table 81. Erredue SpA Business Overview

Table 82. Erredue SpA Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 83. Erredue SpA Product Portfolio

Table 84. Erredue SpA Recent Developments

Table 85. Erredue SpA Hydrogen Electrolyzer Company Information

Table 86. Kobelco Eco-Solutions Business Overview

Table 87. Kobelco Eco-Solutions Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 88. Kobelco Eco-Solutions Product Portfolio

- Table 89. Kobelco Eco-Solutions Recent Developments
- Table 90. ITM Power Hydrogen Electrolyzer Company Information
- Table 91. ITM Power Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)
- Table 92. ITM Power Product Portfolio
- Table 93. ITM Power Recent Developments
- Table 94. Idroenergy Spa Hydrogen Electrolyzer Company Information
- Table 95. Idroenergy Spa Business Overview
- Table 96. Idroenergy Spa Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)
- Table 97. Idroenergy Spa Product Portfolio
- Table 98. Idroenergy Spa Recent Developments
- Table 99. ShaanXi HuaQin Hydrogen Electrolyzer Company Information
- Table 100. ShaanXi HuaQin Business Overview
- Table 101. ShaanXi HuaQin Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)
- Table 102. ShaanXi HuaQin Product Portfolio
- Table 103. ShaanXi HuaQin Recent Developments
- Table 104. Beijing Zhongdian Hydrogen Electrolyzer Company Information
- Table 105. Beijing Zhongdian Business Overview
- Table 106. Beijing Zhongdian Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)
- Table 107. Beijing Zhongdian Product Portfolio
- Table 108. Beijing Zhongdian Recent Developments
- Table 109. Elchemtech Hydrogen Electrolyzer Company Information
- Table 110. Elchemtech Business Overview
- Table 111. Elchemtech Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)
- Table 112. Elchemtech Product Portfolio
- Table 113. Elchemtech Recent Developments
- Table 114. H2B2 Hydrogen Electrolyzer Company Information
- Table 115. H2B2 Business Overview
- Table 116. H2B2 Hydrogen Electrolyzer Production (Units), Value (US\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)
- Table 117. H2B2 Product Portfolio
- Table 118. H2B2 Recent Developments
- Table 119. Verde LLC Hydrogen Electrolyzer Company Information
- Table 120. Verde LLC Business Overview
- Table 121. Verde LLC Hydrogen Electrolyzer Production (Units), Value (US\$ Million),

Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 122. Verde LLC Product Portfolio

Table 123. Verde LLC Recent Developments

Table 124. Global Hydrogen Electrolyzer Production Comparison by Region: 2018 VS 2022 VS 2029 (Units)

Table 125. Global Hydrogen Electrolyzer Production by Region (2018-2023) & (Units)

Table 126. Global Hydrogen Electrolyzer Production Market Share by Region (2018-2023)

Table 127. Global Hydrogen Electrolyzer Production Forecast by Region (2024-2029) & (Units)

Table 128. Global Hydrogen Electrolyzer Production Market Share Forecast by Region (2024-2029)

Table 129. Global Hydrogen Electrolyzer Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 130. Global Hydrogen Electrolyzer Production Value by Region (2018-2023) & (US\$ Million)

Table 131. Global Hydrogen Electrolyzer Production Value Market Share by Region (2018-2023)

Table 132. Global Hydrogen Electrolyzer Production Value Forecast by Region (2024-2029) & (US\$ Million)

Table 133. Global Hydrogen Electrolyzer Production Value Market Share Forecast by Region (2024-2029)

Table 134. Global Hydrogen Electrolyzer Market Average Price (K US\$/Unit) by Region (2018-2023)

Table 135. Global Hydrogen Electrolyzer Consumption Comparison by Region: 2018 VS 2022 VS 2029 (Units)

Table 136. Global Hydrogen Electrolyzer Consumption by Region (2018-2023) & (Units)

Table 137. Global Hydrogen Electrolyzer Consumption Market Share by Region (2018-2023)

Table 138. Global Hydrogen Electrolyzer Forecasted Consumption by Region (2024-2029) & (Units)

Table 139. Global Hydrogen Electrolyzer Forecasted Consumption Market Share by Region (2024-2029)

Table 140. North America Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 141. North America Hydrogen Electrolyzer Consumption by Country (2018-2023) & (Units)

Table 142. North America Hydrogen Electrolyzer Consumption by Country (2024-2029) & (Units)

Table 143. Europe Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 144. Europe Hydrogen Electrolyzer Consumption by Country (2018-2023) & (Units)

Table 145. Europe Hydrogen Electrolyzer Consumption by Country (2024-2029) & (Units)

Table 146. Asia Pacific Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 147. Asia Pacific Hydrogen Electrolyzer Consumption by Country (2018-2023) & (Units)

Table 148. Asia Pacific Hydrogen Electrolyzer Consumption by Country (2024-2029) & (Units)

Table 149. Latin America, Middle East & Africa Hydrogen Electrolyzer Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 150. Latin America, Middle East & Africa Hydrogen Electrolyzer Consumption by Country (2018-2023) & (Units)

Table 151. Latin America, Middle East & Africa Hydrogen Electrolyzer Consumption by Country (2024-2029) & (Units)

Table 152. Global Hydrogen Electrolyzer Production by Type (2018-2023) & (Units)

Table 153. Global Hydrogen Electrolyzer Production by Type (2024-2029) & (Units)

Table 154. Global Hydrogen Electrolyzer Production Market Share by Type (2018-2023)

Table 155. Global Hydrogen Electrolyzer Production Market Share by Type (2024-2029)

Table 156. Global Hydrogen Electrolyzer Production Value by Type (2018-2023) & (US\$ Million)

Table 157. Global Hydrogen Electrolyzer Production Value by Type (2024-2029) & (US\$ Million)

Table 158. Global Hydrogen Electrolyzer Production Value Market Share by Type (2018-2023)

Table 159. Global Hydrogen Electrolyzer Production Value Market Share by Type (2024-2029)

Table 160. Global Hydrogen Electrolyzer Price by Type (2018-2023) & (K US\$/Unit)

Table 161. Global Hydrogen Electrolyzer Price by Type (2024-2029) & (K US\$/Unit)

Table 162. Global Hydrogen Electrolyzer Production by Application (2018-2023) & (Units)

Table 163. Global Hydrogen Electrolyzer Production by Application (2024-2029) & (Units)

Table 164. Global Hydrogen Electrolyzer Production Market Share by Application (2018-2023)

Table 165. Global Hydrogen Electrolyzer Production Market Share by Application

(2024-2029)

Table 166. Global Hydrogen Electrolyzer Production Value by Application (2018-2023) & (US\$ Million)

Table 167. Global Hydrogen Electrolyzer Production Value by Application (2024-2029) & (US\$ Million)

Table 168. Global Hydrogen Electrolyzer Production Value Market Share by Application (2018-2023)

Table 169. Global Hydrogen Electrolyzer Production Value Market Share by Application (2024-2029)

Table 170. Global Hydrogen Electrolyzer Price by Application (2018-2023) & (K US\$/Unit)

Table 171. Global Hydrogen Electrolyzer Price by Application (2024-2029) & (K US\$/Unit)

Table 172. Key Raw Materials

Table 173. Raw Materials Key Suppliers

Table 174. Hydrogen Electrolyzer Distributors List

Table 175. Hydrogen Electrolyzer Customers List

Table 176. Hydrogen Electrolyzer Industry Trends

Table 177. Hydrogen Electrolyzer Industry Drivers

Table 178. Hydrogen Electrolyzer Industry Restraints

Table 179. Authors List of This Report

List Of Figures

LIST OF FIGURES

Figure 1. Research Methodology

Figure 2. Research Process

Figure 3. Key Executives Interviewed

Figure 4. Hydrogen Electrolyzer Product Picture

Figure 5. Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)

Figure 6. Traditional Alkaline Electroliser Product Picture

Figure 7. PEM Electroliser Product Picture

Figure 8. Power Plants Product Picture

Figure 9. Steel Plant Product Picture

Figure 10. Electronics and Photovoltaics Product Picture

Figure 11. Industrial Gases Product Picture

Figure 12. Energy Storage or Fueling for FCEV's Product Picture

Figure 13. Power to Gas Product Picture

Figure 14. Others Product Picture

Figure . Global Hydrogen Electrolyzer Production Value (US\$ Million), 2018 VS 2022 VS 2029

Figure 1. Global Hydrogen Electrolyzer Production Value (2018-2029) & (US\$ Million)

Figure 2. Global Hydrogen Electrolyzer Production Capacity (2018-2029) & (Units)

Figure 3. Global Hydrogen Electrolyzer Production (2018-2029) & (Units)

Figure 4. Global Hydrogen Electrolyzer Average Price (K US\$/Unit) & (2018-2029)

Figure 5. Global Hydrogen Electrolyzer Key Manufacturers, Manufacturing Sites & Headquarters

Figure 6. Global Hydrogen Electrolyzer Manufacturers, Date of Enter into This Industry

Figure 7. Global Top 5 and 10 Hydrogen Electrolyzer Players Market Share by Production Valu in 2022

Figure 8. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022

Figure 9. Global Hydrogen Electrolyzer Production Comparison by Region: 2018 VS 2022 VS 2029 (Units)

Figure 10. Global Hydrogen Electrolyzer Production Market Share by Region: 2018 VS 2022 VS 2029

Figure 11. Global Hydrogen Electrolyzer Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Figure 12. Global Hydrogen Electrolyzer Production Value Market Share by Region: 2018 VS 2022 VS 2029

Figure 13. North America Hydrogen Electrolyzer Production Value (US\$ Million) Growth

Rate (2018-2029)

Figure 14. Europe Hydrogen Electrolyzer Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 15. China Hydrogen Electrolyzer Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 16. Japan Hydrogen Electrolyzer Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 17. Global Hydrogen Electrolyzer Consumption Comparison by Region: 2018 VS 2022 VS 2029 (Units)

Figure 18. Global Hydrogen Electrolyzer Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 19. North America Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 20. North America Hydrogen Electrolyzer Consumption Market Share by Country (2018-2029)

Figure 21. United States Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 22. Canada Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 23. Europe Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 24. Europe Hydrogen Electrolyzer Consumption Market Share by Country (2018-2029)

Figure 25. Germany Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 26. France Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 27. U.K. Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 28. Italy Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 29. Netherlands Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 30. Asia Pacific Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

Figure 31. Asia Pacific Hydrogen Electrolyzer Consumption Market Share by Country (2018-2029)

Figure 32. China Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)

- Figure 33. Japan Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 34. South Korea Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 35. China Taiwan Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 36. Southeast Asia Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 37. India Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 38. Australia Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 39. Latin America, Middle East & Africa Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 40. Latin America, Middle East & Africa Hydrogen Electrolyzer Consumption Market Share by Country (2018-2029)
- Figure 41. Mexico Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 42. Brazil Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 43. Turkey Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 44. GCC Countries Hydrogen Electrolyzer Consumption and Growth Rate (2018-2029) & (Units)
- Figure 45. Global Hydrogen Electrolyzer Production Market Share by Type (2018-2029)
- Figure 46. Global Hydrogen Electrolyzer Production Value Market Share by Type (2018-2029)
- Figure 47. Global Hydrogen Electrolyzer Price (K US\$/Unit) by Type (2018-2029)
- Figure 48. Global Hydrogen Electrolyzer Production Market Share by Application (2018-2029)
- Figure 49. Global Hydrogen Electrolyzer Production Value Market Share by Application (2018-2029)
- Figure 50. Global Hydrogen Electrolyzer Price (K US\$/Unit) by Application (2018-2029)
- Figure 51. Hydrogen Electrolyzer Value Chain
- Figure 52. Hydrogen Electrolyzer Production Mode & Process
- Figure 53. Direct Comparison with Distribution Share
- Figure 54. Distributors Profiles
- Figure 55. Hydrogen Electrolyzer Industry Opportunities and Challenges

Highlights

The global Hydrogen Electrolyzer market is projected to reach US\$ million by 2028 from an estimated US\$ million in 2022, at a CAGR of % during 2024 and 2029.

North American market for Hydrogen Electrolyzer is estimated to increase from \$ million in 2022 to reach \$ million by 2028, at a CAGR of % during the forecast period of 2023 through 2028.

Asia-Pacific market for Hydrogen Electrolyzer is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

The major global companies of Hydrogen Electrolyzer include 718th Research Institute of CSIC, Suzhou Jingli, Proton On-Site, Cummins, Siemens, Teledyne Energy Systems, EM Solution, McPhy and Nel Hydrogen, etc. In 2022, the world's top three vendors accounted for approximately % of the revenue.

The global market for Hydrogen Electrolyzer in Power Plants is estimated to increase from \$ million in 2023 to \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Considering the economic change due to COVID-19 and Russia-Ukraine War Influence, Traditional Alkaline Electrolyzer, which accounted for % of the global market of Hydrogen Electrolyzer in 2022, is expected to reach million US\$ by 2029, growing at a revised CAGR of % from 2023 to 2029.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Hydrogen Electrolyzer, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Hydrogen Electrolyzer.

The Hydrogen Electrolyzer market size, estimations, and forecasts are provided in terms of output/shipments (Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Hydrogen Electrolyzer market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Hydrogen Electrolyzer manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the

different segments, by company, product type, application, and regions.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing.

This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2017-2022. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

718th Research Institute of CSIC

Suzhou Jingli

Proton On-Site

Cummins

Siemens

Teledyne Energy Systems

EM Solution

McPhy

Nel Hydrogen

Toshiba

TianJin Mainland

Yangzhou Chungdean Hydrogen Equipment

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