

# Asia-Pacific Green Hydrogen Market: Focus on Application, Technology, Renewable Energy Source, and Country - Analysis and Forecast, 2023-2033

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## Abstracts

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### Introduction to Asia-Pacific (APAC) Green Hydrogen Market

The Asia-Pacific green hydrogen market was valued at \$321.5 million in 2023, and it is expected to grow with a CAGR of 66.99% during the forecast period 2023-2033 to reach \$54,214.9 million by 2033. Green hydrogen market growth is expected to be driven by low variable renewable energy (VRE) electricity costs, global plans for net-zero emissions by 2050, and increased awareness of green hydrogen.

### Market Introduction

The Asia-Pacific (APAC) green hydrogen market is quickly becoming a key player in the global energy transition. Driven by the region's growing emphasis on sustainability and carbon reduction, APAC is investing heavily in green hydrogen production, leveraging its abundant renewable energy resources, particularly solar and wind power. Countries such as Japan, South Korea, and Australia are leading the way with ambitious green hydrogen initiatives aimed at decarbonizing industries, transportation, and electricity generation. Government policies, international partnerships, and advancements in electrolyzer technology are all expected to drive significant market growth. As demand for cleaner energy alternatives grows, the APAC green hydrogen market is poised to play a critical role in meeting global climate targets.

## Market Segmentation

### Segmentation 1: by Application

Oil and Gas

Industrial Feedstock

Ammonia

Methanol

Steel

Others

Mobility

Power Generation

Others

### Segmentation 2: by Technology

Proton Exchange Membrane (PEM) Electrolyzer

Alkaline Electrolyzer

Anion Exchange Membrane

Solid Oxide Electrolyzer

### Segmentation 3: by Renewable Energy Source

Wind Energy

Solar Energy

Others

#### Segmentation 4: by Country

China

India

Japan

Australia

South Korea

Rest-of-Asia-Pacific

How can this report add value to an organization?

**Product/Innovation Strategy:** In the realm of the APAC green hydrogen market, technological advancements are transforming agricultural landscapes to create winning products, choose the right unmet needs, target the right customer group, and compete with substitute products. The product segment helps the readers understand the different types of technology used for the green hydrogen market. Also, the study provides the readers with a detailed understanding of the APAC green hydrogen market based on application and product.

**Growth/Marketing Strategy:** The APAC green hydrogen market has witnessed remarkable growth strategies by key players. Business expansions, collaborations, and partnerships have been pivotal. Companies are venturing into APAC markets, forging alliances, and engaging in research collaborations to enhance their technological prowess. Collaborative efforts between hydrogen manufacturers and suppliers' experts are driving the development of cutting-edge monitoring tools. Additionally, strategic joint ventures are fostering the integration of diverse expertise, amplifying the market presence of these solutions. This collaborative approach is instrumental in developing a comprehensive, user-friendly, and efficient green hydrogen market.

**Competitive Strategy:** In the competitive landscape of the green hydrogen market, manufacturers are diversifying their product portfolios to cover various applications. Market segments include application, technology, and renewable energy sources. Competitive benchmarking illuminates the strengths of market players, emphasizing their unique offerings and regional strengths. Partnerships with research institutions and agricultural organizations are driving innovation.

## Contents

Executive Summary  
Scope and Definition

### 1 MARKETS

- 1.1 Trends: Current and Future Impact Assessment
  - 1.1.1 Trends: Current and Future Impact Assessment
  - 1.1.2 Trend 1: Decarbonization on the Horizon
  - 1.1.3 Trend 2: Infrastructure Development
  - 1.1.4 Trend 3: Falling Renewable Energy Costs
- 1.2 Supply Chain Overview
  - 1.2.1 Market Map
- 1.3 Research and Development Review
  - 1.3.1 Patent Filing Trend (by Country and Company)
- 1.4 Regulatory Landscape
  - 1.4.1 Consortiums and Associations
  - 1.4.2 Regulatory Bodies
  - 1.4.3 Government Programs
  - 1.4.4 Programs by Research Institutions and Universities
- 1.5 Start-Up Landscape
  - 1.5.1 Key Start-Ups in the Ecosystem
- 1.6 Impact Analysis for Key Global Events: COVID-19
- 1.7 Market Dynamics: Overview
  - 1.7.1 Market Drivers
    - 1.7.1.1 Low Variable Renewable Energy (VRE) Electricity Cost
    - 1.7.1.2 Global Plans for Net-Zero Emissions by 2050
    - 1.7.1.3 Increasing Awareness Regarding Green Hydrogen
  - 1.7.2 Market Restraints
    - 1.7.2.1 High Cost of Production
    - 1.7.2.2 Limited Dedicated Transport Infrastructure
  - 1.7.3 Market Opportunities
    - 1.7.3.1 Wide Application of Green Hydrogen
    - 1.7.3.2 Scaling Up of Technologies

### 2 REGIONS

2.1 Regional Summary

## 2.2 Drivers and Restraints

### 2.3 Asia-Pacific

#### 2.3.1 Regional Overview

#### 2.3.2 Driving Factors for Market Growth

#### 2.3.3 Factors Challenging the Market

#### 2.3.4 Application

#### 2.3.5 Product

#### 2.3.6 China

##### 2.3.6.1 Application

##### 2.3.6.2 Product

#### 2.3.7 India

##### 2.3.7.1 Application

##### 2.3.7.2 Product

#### 2.3.8 South Korea

##### 2.3.8.1 Application

##### 2.3.8.2 Product

#### 2.3.9 Australia

##### 2.3.9.1 Application

##### 2.3.9.2 Product

#### 2.3.10 Japan

##### 2.3.10.1 Application

##### 2.3.10.2 Product

#### 2.3.11 Rest-of-Asia-Pacific

##### 2.3.11.1 Application

##### 2.3.11.2 Product

## **3 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES**

### 3.1 Next Frontiers

### 3.2 Geographic Assessment

## **4 RESEARCH METHODOLOGY**

### 4.1 Data Sources

#### 4.1.1 Primary Data Sources

#### 4.1.2 Secondary Data Sources

#### 4.1.3 Data Triangulation

### 4.2 Market Estimation and Forecast

## List Of Figures

### LIST OF FIGURES

Figure 1: Green Hydrogen Market (by Region), 2022, 2026, and 2033

Figure 2: Asia-Pacific Green Hydrogen Market (by Application), \$Million, 2022, 2026, and 2033

Figure 3: Asia-Pacific Green Hydrogen Market (by Technology), \$Million, 2022, 2026, and 2033

Figure 4: Green Hydrogen, Recent Developments

Figure 5: Supply Chain and Risks within the Supply Chain

Figure 6: Patent Analysis (by Country), January 2020-December 2023

Figure 7: Patent Analysis (by Company), January 2020-December 2023

Figure 8: Impact Analysis of Market Navigating Factors, 2023-2033

Figure 9: Strategic Initiatives, 2020-2023

Figure 10: Share of Strategic Initiatives

Figure 11: Data Triangulation

Figure 12: Top-Down and Bottom-Up Approach

Figure 13: Assumptions and Limitations

## List Of Tables

### LIST OF TABLES

Table 1: Asia-Pacific Green Hydrogen Market Snapshot

Table 2: Green Hydrogen Opportunities across Regions

Table 3: Green Hydrogen Market (by Region), \$Million, 2022-2033

Table 4: Asia-Pacific Green Hydrogen Market (by Application), \$Million, 2022-2033

Table 5: Asia-Pacific Green Hydrogen Market (by Technology), \$Million, 2022-2033

Table 6: Asia-Pacific Green Hydrogen Market (by Renewable Energy Source), \$Million, 2022-2033

Table 7: China Green Hydrogen Market (by Application), \$Million, 2022-2033

Table 8: China Green Hydrogen Market (by Technology), \$Million, 2022-2033

Table 9: China Green Hydrogen Market (by Renewable Energy Source), \$Million, 2022-2033

Table 10: India Green Hydrogen Market (by Application), \$Million, 2022-2033

Table 11: India Green Hydrogen Market (by Technology), \$Million, 2022-2033

Table 12: India Green Hydrogen Market (by Renewable Energy Source), \$Million, 2022-2033

Table 13: South Korea Green Hydrogen Market (by Application), \$Million, 2022-2033

Table 14: South Korea Green Hydrogen Market (by Technology), \$Million, 2022-2033

Table 15: South Korea Green Hydrogen Market (by Renewable Energy Source), \$Million, 2022-2033

Table 16: Australia Green Hydrogen Market (by Application), \$Million, 2022-2033

Table 17: Australia Green Hydrogen Market (by Technology), \$Million, 2022-2033

Table 18: Australia Green Hydrogen Market (by Renewable Energy Source), \$Million, 2022-2033

Table 19: Japan Green Hydrogen Market (by Application), \$Million, 2022-2033

Table 20: Japan Green Hydrogen Market (by Technology), \$Million, 2022-2033

Table 21: Japan Green Hydrogen Market (by Renewable Energy Source), \$Million, 2022-2033

Table 22: Rest-of-Asia-Pacific Green Hydrogen Market (by Application), \$Million, 2022-2033

Table 23: Rest-of-Asia-Pacific Green Hydrogen Market (by Technology), \$Million, 2022-2033

Table 24: Rest-of-Asia-Pacific Green Hydrogen Market (by Renewable Energy Source), \$Million, 2022-2033

Table 25: Market Share, 2022



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