

South & Central America Green Hydrogen Market Forecast to 2030 – Regional Analysis – by Technology (Alkaline Electrolysis and PEM Electrolysis), Renewable Source (Wind Energy and Solar Energy), and End-Use Industry (Chemical, Power, Food & Beverages, Medical, Petrochemicals, and Others)

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Abstracts

The South & Central America green hydrogen market is expected to grow from US\$ 73.26 million in 2022 to US\$ 1,144.72 by 2030. It is estimated to grow at a CAGR of 41.0% from 2022 to 2030.

Increasing Investment in Green Hydrogen Projects Drives South & Central America Green Hydrogen Market

Governments of various across the globe are recognizing the potential of green hydrogen as a clean and sustainable energy solution. They are taking proactive measures to support its development and deployment across various sectors. The increasing focus on decarbonization and climate change mitigation is prompting governments to prioritize investments in green hydrogen as a means to reduce carbon emissions. Additionally, the transportation sector in South & Central America has shown a growing interest in the adoption of green hydrogen solutions. Countries such as Brazil and Argentina have been exploring the use of green hydrogen in fuel cells for public transport as well as long-haul trucks. This shift toward hydrogen-powered vehicles is driven by the need to reduce greenhouse gas emissions and enhance energy security. Thus, increasing investments in green hydrogen projects are expected to create lucrative opportunities for market expansion in the coming years.

South & Central America Green Hydrogen Market Overview

The South & Central America green hydrogen market in South & Central America has witnessed remarkable growth and has become increasingly significant in the region's

energy landscape. Several factors have contributed to this expansion, including a growing awareness of climate change, the need for sustainable energy sources, and supportive government policies promoting renewable energy. Through the development of green hydrogen, South & Central America is poised to play a crucial role in the global energy transformation. The region has the potential to become a leader in green hydrogen production and utilization due to the availability of renewable energy resources.

Additionally, partnerships between governments and private entities have played a crucial role in supporting the growth of the green hydrogen market. Several countries in South & Central America have collaborated with international companies possessing expertise in hydrogen technologies. This has facilitated technology transfer and accelerated the implementation of green hydrogen initiatives across the region. For instance, in March 2023, Acciona, a Spanish engineering firm, and Nordex, a Germany-based company, collaborated to develop green hydrogen projects within the next 10 years in the US, South & Central America, and Africa. Under the joint venture, these companies are expected to build their first projects by 2027, with a manufacturing capacity of 500,000 tonnes of green hydrogen per year.

South & Central America Green Hydrogen Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Green Hydrogen Market Segmentation

The South & Central America green hydrogen market is segmented into technology, renewable source, end-use industry, and country.

Based on technology, the South & Central America green hydrogen market is bifurcated into alkaline electrolysis and PEM electrolysis. The alkaline electrolysis segment accounted a larger share of the South & Central America green hydrogen market in 2022.

By renewable source, the South & Central America green hydrogen market is divided into wind energy and solar energy. The solar energy segment held a larger share of the South & Central America green hydrogen market in 2022.

By end-use industry, the South & Central America green hydrogen market is segmented into chemical, power, food & beverages, medical, petrochemicals, and others. In 2022, the power segment held a largest share of the South & Central America green hydrogen market.

Based on country, the South & Central America green hydrogen market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the share of the South & Central America green hydrogen market in 2022.

Air Products & Chemicals Inc, Cummins Inc, Engie SA, L'Air Liquide SA, Linde Plc, Siemens Energy AG, and Toshiba Energy Systems & Solutions Corp are some of the leading companies operating in the South & Central America green hydrogen market.

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