

Hydrogen Storage Alloys Market Forecasts to 2028 – Global Analysis By Type (AB2, AB5), Application (Cooling Devices, Rechargeable Batteries, Fuel Cells, Hydrogen Recovery Or Separation), and By Geography

https://marketpublishers.com/r/H70AC15C641AEN.html

Date: September 2021

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: H70AC15C641AEN

Abstracts

According to Stratistics MRC, the Global Hydrogen Storage Alloys Market is accounted for \$2,633.13 million in 2020 and is expected to reach \$5,402.69 million by 2028 growing at a CAGR of 9.4% during the forecast period. Some of the key factors propelling the market growth include the surge in hydrogen generation and storage systems, increasing demand of environmentally friendly technologies for the automotive industry, and growing demand for hydrogen storage alloys for electrochemical applications. However, high cost and complex nature associated with hydrogen energy storage systems is likely to hamper the market.

Hydrogen storage alloys are metallic materials which is able to reversibly absorb and release significant amounts of hydrogen from the gas phase or electrochemically. It is the most vulnerable component of Ni%li%MH cell which renders susceptibility to corrosion in the strong alkaline environment. These alloys are pulverized during charge & discharge processes due to repeated lattice expansion and shrinkage results in hydrogen absorption and desorption. These alloys are acts as a good hydrogen storage material due to its properties such as low cost, high safety and non%li%greenhouse gas.

By alloy type, titanium hydrogen storage segment is anticipated to grow at a significant rate during the forecast period, because they have high affinity for hydrogen, light in weight and react reversibly with hydrogen.



On the basis of geography, North America region is expected to have considerable market growth during the forecast period, due to rising demand of environmentally friendly technologies for the automotive industry increases exponentially, and this opens new possibilities for a novel player in the mobility sector.

Some of the key players in Hydrogen Storage Alloys Market include Liaoning Kingpowers Group, China Northern Rare Earth (Group) High-Tech, Guangdong Rising Nonferrous Metals Group, Chuo Denki Kogyo, Merck KGaA, Japan Metals & Chemicals, Whole Win (Beijing) Materials Science and Technology Company, Ajax Tocco Magnethermic Corporation, Baotou Santoku Battery Materials Co., Ltd., Xiamen Tungsten Co. Ltd, H Bank Technology, Santoku Corporation, AMG Titanium Alloys & Coatings LLC, Jiangmen Kanhoo Industry Co. Ltd, Mitsui, Lab Tech, and American Elements.

Types Covered:		
	AB2	
	AB5	
Alloy Types Covered:		
	Zirconium Hydrogen Storage	
	Rare Earth Hydrogen Storage	
	Titanium Hydrogen Storage	
	Magnesium (Mg) Hydrogen Storage	
	Iron (Fe) Hydrogen Storage	

Distributor

Sales Channels Covered:

Direct Sales







Asia Pacific		
Japan		
China		
India		
Australia		
New Zealand		
South Korea		
Rest of Asia Pacific		
South America		
Argentina		
Brazil		
Chile		
Rest of South America		
Middle East & Africa		
Saudi Arabia		
UAE		
Qatar		
South Africa		
Rest of Middle East & Africa		



What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis, etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as



per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances



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