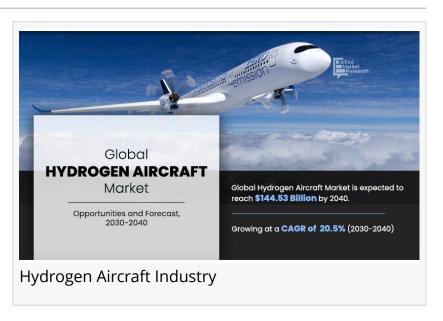


A Comprehensive Look at the Hydrogen Aircraft Market expected to Reach \$144.53 Billion by 2040

A hydrogen aircraft is an airplane that makes use of hydrogen (liquid or gas) as a power source.

OREGAON, PORTLAND, UNITED STATES , March 18, 2024 /EINPresswire.com/ -- As per the report published by Allied Market Research, the global <u>hydrogen aircraft market</u> is estimated to be valued at \$23.71 billion in 2030, and is estimated to reach \$144.53 billion by 2040, witnessing a CAGR of 20.5% from 2030 to 2040. The report offers a detailed analysis of



changing market trends, top segments, key investment pockets, value chain, regional landscape, and competitive scenario.

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A hydrogen aircraft is an airplane that makes use of hydrogen (liquid or gas) as a power source. Hydrogen energy can be harnessed in two ways for a hydrogen aircraft. It can either be burned in a jet engine or other sorts of internal combustion engines, or it can be used to power a fuel cell to generate electricity to power propeller of aircraft. Apart from aircraft propulsion, hydrogen can be used to power all flight and communication systems in the cockpit, while ensuring passenger comfort by powering lighting, heating, and all on-board services, including catering and refrigeration.

DDDDDDDDDDDDDDDDDDDD, the less than 100 segment is estimated to account for the largest share in 2030, contributing to nearly four-fifths of the total share, and is estimated to continue its lead position throughout the forecast period. However, the 101 to 200 segment is

expected to register the fastest CAGR of 23.1% from 2030 to 2040.

The factors such high suitability of hydrogen as the aviation fuel and reduced greenhouse gas emissions are expected to drive growth of the global hydrogen aircraft market during the forecast period. However, high costs associated with the production and handling of hydrogen is anticipated to obstruct the market growth during the forecast timeline. Furthermore, developing green hydrogen ecosystem, proactive government initiatives toward hydrogen powered aircraft, and growth in infrastructural development for hydrogen across the globe offer future growth opportunities for the market.

DBy passenger capacity, the 101 to 200 segment is expected to register a significant growth during the forecast period.

DDBy range, the short haul (<1,000 Km) segment dominated the global hydrogen aircraft market in 2030, in terms of revenue

DDBy application, the cargo aircraft segment is expected to register a significant growth during the forecast period, owing to the highest CAGR.

DBy power source, the hybrid <u>electric aircraft segment dominated the global hydrogen aircraft</u> <u>market</u> in 2030, in terms of revenue

<u>https://www.alliedmarketresearch.com/zero-emission-aircraft-market-A11848</u> - Global Opportunity Analysis and Industry Forecast, 2030-2040

<u>https://www.alliedmarketresearch.com/zero-emission-vehicle-market</u> - Global Opportunity Analysis and Industry Forecast, 2021-2031

<u>https://www.alliedmarketresearch.com/hydrogen-vehicle-market</u> - Global Opportunity Analysis and Industry Forecast, 2023-2032

<u>https://www.alliedmarketresearch.com/hydrogen-powered-engine-market-A07807</u> - Global Opportunity Analysis and Industry Forecast, 2030-2040

<u>https://www.alliedmarketresearch.com/hydrogen-fuel-cell-vehicle-market</u> - Global Opportunity Analysis and Industry Forecast, 2023-2032

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