



GLOBAL HYDROGEN MARKET

Top 10 Competitor Insights & Gap Analysis





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1 COMPETITOR BENCHMARK AND PRODUCT INSIGHT

1.1 AIR PRODUCTS & CHEMICALS

1940 Air Products Boulevard, Allentown, PA 18106-5500, USA.

Contact Number: +1-610-481-4911.

Website: www.airproducts.com

1.1.1 COMPANY OVERVIEW

Air Products & Chemicals, the world's largest hydrogen supplier, plays a critical role in the hydrogen economy, offering products and services for industrial, chemical, and mobility applications. With over 60 years of hydrogen experience, it is advancing clean hydrogen production to decarbonize heavy industries and transportation.

1.1.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION
Hydrogen Production	Produces hydrogen via steam methane reforming (SMR) and invests in blue hydrogen with CCS and green hydrogen using renewable energy.
Carbon Capture and Storage (CCS)	Operates CCS projects, such as the Port Arthur ICCS project, capturing CO2 from SMR plants to produce blue hydrogen.



Hydrogen Supply	Supplies liquid and compressed hydrogen gas in various purities through pipelines, on-site plants, and transfill facilities for global customers.
Hydrogen Refueling Stations	Designs and operates hydrogen refueling stations, including portable H2fM fuelers, for fuel cell vehicles, with 17 units in operation worldwide.
Industrial Hydrogen Applications	Provides hydrogen for oil refining (e.g., low-sulfur fuels), chemicals (e.g., hydrogenation), steelmaking, and food processing (e.g., shelf-life extension).
Hydrogen for Mobility	Supplies hydrogen for fuel cell vehicles, supporting zero-emission transportation with reliable fueling infrastructure.
Engineering and Project Management	Offers engineering services for hydrogen plant design, construction, and operation, ensuring efficient and scalable solutions.
Clean Energy Solutions	Commits to low-carbon hydrogen production and supply, targeting decarbonization of heavy industry and transport sectors.

Source: Company Website

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1.2 BALLARD POWER SYSTEMS

1.2.1 COMPANY OVERVIEW

1.2.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website

1.3 BLOOM ENERGY

1.3.1 COMPANY OVERVIEW

1.3.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website



1.4 BP

1.4.1 COMPANY OVERVIEW

1.4.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website

1.5 CUMMINS

1.5.1 COMPANY OVERVIEW

1.5.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website



1.6 GOLD HYDROGEN

1.6.1 COMPANY OVERVIEW

1.6.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website

1.7 HAZER GROUP

1.7.1 COMPANY OVERVIEW

1.7.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website



1.8 LINDE

1.8.1 COMPANY OVERVIEW

1.8.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website

1.9 PLUG POWER

1.9.1 COMPANY OVERVIEW

1.9.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website



1.10 WESTPORT FUEL SYSTEMS

1.10.1 COMPANY OVERVIEW

1.10.2 PRODUCTS / SERVICES

PRODUCTS / SERVICES	DESCRIPTION

Source: Company Website



2 GAP ANALYSIS

- Infrastructure Gaps:
- Production Scale:
- Application Diversity:



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