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Global Hydrogen Pipeline Market Size study & Forecast, by Type (Mobile Pipelines, Fixed Pipelines), by Distance (Upto 300 Km, More than 300 Km), by Hydrogen Form (Gas, Liquid), by Pipeline Structure (Metal, Plastics & Composites) and Regional Analysis, 2023-2030

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Abstracts

Global Hydrogen Pipeline Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% during the forecast period 2023-2030. Hydrogen pipeline is a dedicated infrastructure designed for transporting hydrogen from production facilities to distribution points or end-users. Hydrogen pipelines are a crucial component of the hydrogen supply chain, enabling the efficient and cost-effective movement of hydrogen over long distances. These pipelines are typically made of materials that can safely contain and transport hydrogen gas. The key factors driving the market growth are cohesive government support and policies for hydrogen projects, growing usage of hydrogen in a wide range of applications and rising use of hydrogen fuel cells to generate electricity in the automotive sector and power plants that are anticipated to support the market growth during the forecast period 2023-2030.

Additionally, cohesive government initiative and investment in the development of hydrogen infrastructure globally is anticipated to support the market growth. For instance, In November 2022, The German government is launching two funds totalling 550 million euros to boost the global hydrogen economy, focusing on collaboration with emerging and developing nations. The PtX Development Fund, with 250 million euros, anticipated to encourage hydrogen investments in these countries, while the PtX Growth Fund, backed by 300 million euros, anticipated to support German companies

and accelerate global green hydrogen infrastructure development. Both funds anticipated to oversee projects throughout the value chain through the state-owned development bank KfW. These initiatives complement existing support, including the H2 Global auction scheme, aiming to combat climate change by harnessing renewable electricity to produce hydrogen for emissions-intensive sectors. Moreover, the rising initiatives in decarbonization to reduce the impact of climate change, and government net emission targets lead to an enhanced focus on green hydrogen which are anticipated to create lucrative opportunities for the market over the projected period. However, the risk of accidents and explosions due to the high flammability of hydrogen stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Hydrogen Pipeline Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Europe dominated the market in 2022 owing to the cohesive government initiatives and investment in hydrogen infrastructure development, increasingly focusing on hydrogen as a clean fuel for transportation, particularly in the context of fuel cell vehicles and hydrogen-powered trains, ongoing research, and innovation in hydrogen technologies, including pipeline materials and construction techniques, and presence of key market players. Whereas, the Asia Pacific is expected to grow with the highest CAGR over the forecast period, owing to factors such as strong government support through policies, incentives, and funding, rising investing in renewable energy sources, and growing collaboration between countries in Asia Pacific region and global partners can accelerate the growth of the hydrogen economy.

Major market player included in this report are:

Cenergy Holdings (Belgium)

SoluForce B.V. (The Netherlands)

Salzgitter AG (Germany)

Gruppo Sarplast S.r.l (Italy)

Hexagon Purus (Norway)

Pipelife International GmbH (Austria)

Europe Technologies (France)

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H2 Clipper, Inc. (US)

GF Piping Systems (Switzerland)

Jindal Saw Limited (India)

Recent Developments in the Market:

In March 2021, Salzgitter AG formed a collaborative alliance with seven companies—BP, Evonik, Nowega, OGE, RWE, and Thyssengas—with the shared objective of constructing a transnational hydrogen infrastructure. This collaboration spans the entire hydrogen value chain, encompassing the production of green hydrogen, its transportation, and its utilization in industrial applications. The overarching goal of this partnership is to establish the foundational framework for a pan-European green hydrogen infrastructure.

Global Hydrogen Pipeline Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type, Distance, Hydrogen Form, Pipeline Structure, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Mobile Pipelines

Fixed Pipelines

By Distance:

Upto 300 Km

More than 300 Km

By Hydrogen Form:

Gas

Liquid

By Pipeline Structure:

Metal

Plastics & Composites

By Region:

North America

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U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

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Saudi Arabia

South Africa

Rest of Middle East & Africa

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