

Global Industrial By-product Hydrogen Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Industrial By-product Hydrogen market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

Industrial by-product hydrogen production refers to a hydrogen production method that uses hydrogen-rich industrial tail gas (such as chlor-alkali tail gas, coke oven gas, etc.) as raw material, and separates and purifies the hydrogen through pressure swing adsorption and other technologies. This situation usually occurs in some industrial processes where hydrogen is inevitably generated and can be efficiently recovered and utilized.

The Global Info Research report includes an overview of the development of the Industrial By-product Hydrogen industry chain, the market status of Energy Production (Coke Oven Gas By-product Hydrogen, Chlor-alkali By-product Hydrogen), Petrochemical (Coke Oven Gas By-product Hydrogen, Chlor-alkali By-product Hydrogen), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Industrial By-product Hydrogen.

Regionally, the report analyzes the Industrial By-product Hydrogen markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Industrial By-product Hydrogen market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Industrial By-product Hydrogen market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Industrial By-product Hydrogen industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., Coke Oven Gas By-product Hydrogen, Chlor-alkali By-product Hydrogen).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Industrial By-product Hydrogen market.

Regional Analysis: The report involves examining the Industrial By-product Hydrogen market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Industrial By-product Hydrogen market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Industrial By-product Hydrogen:

Company Analysis: Report covers individual Industrial By-product Hydrogen manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Industrial By-product Hydrogen This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Energy Production, Petrochemical).

Technology Analysis: Report covers specific technologies relevant to Industrial By-product Hydrogen. It assesses the current state, advancements, and potential future developments in Industrial By-product Hydrogen areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Industrial By-product Hydrogen market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Industrial By-product Hydrogen market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Coke Oven Gas By-product Hydrogen

Chlor-alkali By-product Hydrogen

Propane Dehydrogenation By-product Hydrogen

Hydrogen produced by ethane cracking

Market segment by Application

Energy Production

Petrochemical

Aerospace

Food Processing

Others

Major players covered

China Petrochemical Corporation

Air Liquide

Linde

Praxair

Hydrogenics

Japan Gas

Oriental Energy Co., Ltd.

Grand Resource Co., Ltd.

Guangxi Iron and Steel Group Co., Ltd.

Satellite Chemical Co., Ltd.

Xinpu Chemical Industrial (Taixing) Co., Ltd.

Hanwha TotalEnergies Petrochemical

Shanxi Meijin Energy Co.,Ltd.

Henan Silane Technology Development Co.,LTD.

Shanghai Chlor-alkali Chemical Co.,Ltd.

Guangdong Baohydrogen Technology Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Industrial By-product Hydrogen product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Industrial By-product Hydrogen, with price, sales, revenue and global market share of Industrial By-product Hydrogen from 2018 to 2023.

Chapter 3, the Industrial By-product Hydrogen competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Industrial By-product Hydrogen breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Industrial By-product Hydrogen market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Industrial By-product Hydrogen.

Chapter 14 and 15, to describe Industrial By-product Hydrogen sales channel, distributors, customers, research findings and conclusion.

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