

# Global Liquid Organic Hydrogen Carrier (LOHC) Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Liquid Organic Hydrogen Carrier (LOHC) market size was valued at US\$ 237 million in 2024 and is forecast to a readjusted size of USD 1585 million by 2031 with a CAGR of 29.4% during review period.

Liquid Organic Hydrogen Carriers (LOHC) are liquid compounds that can chemically bind and release hydrogen, providing a safe and reversible method for hydrogen storage and transport. The use of liquid organic hydrogen carriers (LOHC) is an alternative to transporting hydrogen without the need for pipeline infrastructure or hydrogen liquefaction. Instead, organic materials are hydrogenated at the hydrogen production source, transported to their destination, and dehydrogenated to release the hydrogen for use.

The statistic scope is Liquid Organic Hydrogen Carriers (LOHC) system, the whole market in this report.

As LOHC technology matures, there is a push towards commercialization with the development of pilot projects, demonstration plants, and partnerships between companies to bring LOHC systems to market.

This report is a detailed and comprehensive analysis for global Liquid Organic Hydrogen Carrier (LOHC) market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets.

Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Liquid Organic Hydrogen Carrier (LOHC) market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Liquid Organic Hydrogen Carrier (LOHC) market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Liquid Organic Hydrogen Carrier (LOHC) market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Liquid Organic Hydrogen Carrier (LOHC) market shares of main players, in revenue (\$ Million), 2020-2025

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Liquid Organic Hydrogen Carrier (LOHC)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Liquid Organic Hydrogen Carrier (LOHC) market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Chiyoda Corporation, Hydrogenious LOHC Technologies, H2-Enterprises, Umicore, Honeywell, Wuhan Hynertech, SLOHC, HydroTransformer, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

#### Market segmentation

Liquid Organic Hydrogen Carrier (LOHC) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Equipment

Organic Hydrogen Carriers and Catalysts

Solution

#### Market segment by Application

Transportation

Hydrogen Refueling Station

Energy Storage

Industrial

Others

#### Market segment by players, this report covers

Chiyoda Corporation

Hydrogenious LOHC Technologies

H2-Enterprises

Umicore

Honeywell

Wuhan Hynertech

SLOHC

HydroTransformer

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Liquid Organic Hydrogen Carrier (LOHC) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Liquid Organic Hydrogen Carrier (LOHC), with revenue, gross margin, and global market share of Liquid Organic Hydrogen Carrier (LOHC) from 2020 to 2025.

Chapter 3, the Liquid Organic Hydrogen Carrier (LOHC) competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Liquid Organic Hydrogen Carrier (LOHC) market forecast, by regions, by Type and by

Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Liquid Organic Hydrogen Carrier (LOHC).

Chapter 13, to describe Liquid Organic Hydrogen Carrier (LOHC) research findings and conclusion.

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