

# Global Methane Pyrolysis Hydrogen Production Technology Market Growth (Status and Outlook) 2025-2031

<https://marketpublishers.com/r/GC9D9010D7F9EN.html>

Date: August 2025

Pages: 98

Price: US\$ 3,660.00 (Single User License)

ID: GC9D9010D7F9EN

## Abstracts

According to this study, the global Methane Pyrolysis Hydrogen Production Technology market size will reach US\$ 11.7 million by 2031.

Methane pyrolysis hydrogen production technology is a technology that directly produces hydrogen and solid carbon by high-temperature decomposition of methane (CH<sub>4</sub>). Compared with traditional hydrogen production methods (such as steam methane reforming), this technology avoids carbon dioxide emissions and is considered a potential low-carbon or zero-carbon hydrogen production path.

United States market for Methane Pyrolysis Hydrogen Production Technology is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Methane Pyrolysis Hydrogen Production Technology is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Methane Pyrolysis Hydrogen Production Technology is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Methane Pyrolysis Hydrogen Production Technology players cover Monolith Materials, Hazer Group, Ekona Power, C-Zero, BASF, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LPI (LP Information)' newest research report, the “Methane Pyrolysis Hydrogen Production Technology Industry Forecast” looks at past sales and reviews total world Methane Pyrolysis Hydrogen Production Technology sales in 2024, providing a comprehensive analysis by region and market sector of projected Methane Pyrolysis Hydrogen Production Technology sales for 2025 through 2031. With Methane Pyrolysis Hydrogen Production Technology sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Methane Pyrolysis Hydrogen Production Technology industry.

This Insight Report provides a comprehensive analysis of the global Methane Pyrolysis Hydrogen Production Technology landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Methane Pyrolysis Hydrogen Production Technology portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Methane Pyrolysis Hydrogen Production Technology market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Methane Pyrolysis Hydrogen Production Technology and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Methane Pyrolysis Hydrogen Production Technology.

This report presents a comprehensive overview, market shares, and growth opportunities of Methane Pyrolysis Hydrogen Production Technology market by product type, application, key players and key regions and countries.

Segmentation by Type:

Plasma Pyrolysis

Electrical Heating Pyrolysis

Catalytic Pyrolysis

### Segmentation by Application:

Industry

Energy Storage

Transportation

Others

### This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Monolith Materials

Hazer Group

Ekona Power

C-Zero

BASF

Graforce

PyroGenesis

HiiROC

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Figure 74. Egypt Methane Pyrolysis Hydrogen Production Technology Market Size 2026-2031 (\$ millions)

Figure 75. South Africa Methane Pyrolysis Hydrogen Production Technology Market Size 2026-2031 (\$ millions)

Figure 76. Israel Methane Pyrolysis Hydrogen Production Technology Market Size 2026-2031 (\$ millions)

Figure 77. Turkey Methane Pyrolysis Hydrogen Production Technology Market Size 2026-2031 (\$ millions)

Figure 78. Global Methane Pyrolysis Hydrogen Production Technology Market Size Market Share Forecast by Type (2026-2031)

Figure 79. Global Methane Pyrolysis Hydrogen Production Technology Market Size Market Share Forecast by Application (2026-2031)

Figure 80. GCC Countries Methane Pyrolysis Hydrogen Production Technology Market

Size 2026-2031 (\$ millions)

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