

# Non-Fossil Methanol Market is Expected to Reach a Valuation of USD 9,049 Million by 2035 | Fact.MR Report

*Non-Fossil Methanol Gains Ground as Industries Embrace Carbon Circularity: Green Hydrogen and CO<sub>2</sub> Integration Reshape Clean Fuel Landscape.*

ROCKVILLE, MD, UNITED STATES, August 15, 2025 /EINPresswire.com/ -- According to Fact.MR, a market research and competitive intelligence provider, the [non-fossil methanol market](#) was valued at USD 2,105 million in 2025 and is expected to grow at a CAGR of 15.7% during the forecast period of 2025 to 2035.



The non-fossil methanol market is gaining rapid momentum as industries seek low-carbon fuel alternatives and circular feedstock solutions. Maritime, energy, and manufacturing are among the sectors transitioning to low-carbon methanol made of biomass, captured CO<sub>2</sub>, and green hydrogen in adherence to decarbonization objectives. These solutions are compatible with the already existing infrastructure, thus, adoption is more viable and cost-effective.

Breakthroughs in gasification and CO<sub>2</sub> hydrogenation technologies are enabling scalable and cleaner production pathways. This transition is being encouraged by governments across the world through incentives, regulations and orders to use cleaner fuels. Concurrently, the market is being widened by innovative applications, such as, the use of methanol powered cells and hydrogen carriers.

Companies are investing in modular facilities, carbon recycling loops, and renewable energy integration. With sustainability the focus of industrial strategy, non-fossil methanol is emerging as a key enabler of low-emission transformation across global value chains.

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## Key Takeaways from Market Study

- The non-fossil methanol market is projected to grow at 7% CAGR and reach USD 9,049 million by 2035
- The market created an absolute \$ opportunity of USD 6,944 million between 2025 to 2035
- East Asia is a prominent region that is estimated to hold a market share of 7% in 2035
- East Asia is expected to create an absolute \$ opportunity of USD 1,963 million collectively

“Decarbonization mandates, advancements in carbon capture and green hydrogen technologies, and expanding demand for sustainable fuels across industrial sectors will drive the non-fossil methanol market,” says a Fact.MR analyst.

## Leading Players Driving Innovation in the Non-Fossil Methanol Market:

Key players in the non-fossil methanol industry include Methanex, Proman, Carbon Recycling International (CRI), Enerkem, Södra, OCI / BioMCN, HIF Global, European Energy, WasteFuel, GIDARA Energy, SunGas Renewables, and Perstorp (Project Air).

## Market Development

The non fossil methanol business is growing with strategic partnership and technology. E-methanol plants on a commercial scale, integration of CO<sub>2</sub> with methanol production and modular production systems are on the rise. Organizations are accommodating both regional sustainability initiatives and globally recognized certification requirements.

Government support, particularly in maritime and hydrogen sectors, is accelerating project execution. There is also an increasing attention on scalable solutions that use a variety of feedstocks to create both domestic and international demand of fuels of a low-carbon type.

For example, In November 2024, Hapag-Lloyd signed a long-term agreement with China's Goldwind to receive 250,000 tonnes per year of green methanol, a blend of bio- and e-methanol, starting in 2026. This supply ensures at least a 70% reduction in GHG emissions, supporting the company's net-zero strategy for sustainable maritime operations.

## Non-Fossil Methanol Industry News:

In May 2025, Denmark opened the world's first commercial-scale e-methanol plant, marking a significant step forward in sustainable energy and green shipping fuels. Powered by renewable energy and utilizing captured CO<sub>2</sub>, the facility produces carbon-neutral methanol—a scalable alternative to fossil fuels that supports global decarbonization across maritime and industrial sectors.

Earlier that year, in January 2025, Meyer Werft and its partners launched the zero4cruise project to develop methanol-powered PEM fuel cell systems for cruise ships. The hybrid system combines methanol reformers with batteries, enabling carbon-neutral operations while in port. Backed by €18.7 million in German government funding, prototype testing is already underway.

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More Valuable Insights on Offer

Fact.MR, in its new offering, presents an unbiased analysis of the non-fossil methanol market, presenting historical data for 2020 to 2024 and forecast statistics for 2025 to 2035.

The study reveals essential insights on the basis of the Feedstock Origin (Biomass, Industrial CO<sub>2</sub>, Direct Air CO<sub>2</sub>, Green Hydrogen + CO<sub>2</sub>, Municipal Solid Waste, Renewable Electricity), Production Process (Gasification, Fermentation, Electrochemical Conversion, CO<sub>2</sub> Hydrogenation, Plasma Reforming), Application (Fuel, Chemical Intermediate, Power Generation, Hydrogen Carrier, Energy Storage, Fuel Cells), and End User (Chemicals, Transportation, Power & Utilities, Hydrogen Economy, Waste Management, Maritime & Aviation, Manufacturing) across key global regions (North America, Latin America, Western Europe, Eastern Europe, East Asia, South Asia & Pacific, and Middle East & Africa).

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Fueled by shifts in decarbonization and maritime fuel use, the [green methanol market](#) is set to grow from USD 1,121 million in 2025 to USD 6,769 million by 2035, at a 19.7% CAGR.

The global [electrocatalytic methanol market](#) is expected to reach USD 2,733.8 million by 2035, up from USD 496.5 million in 2025. During the forecast period 2025 to 2035, the industry is projected to expand at a CAGR of 18.6%.

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