+357 96 030922
info@marketpublishers.com

Global Methanol-to-aviation Fuel Technology Market Growth (Status and Outlook) 2026-2032

https://marketpublishers.com/r/GA6904420BDFEN.html
Date: July 2026
Pages: 91
Price: US$ 3,660.00 (Single User License)
ID: GA6904420BDFEN

Abstracts

The global Methanol-to-aviation Fuel Technology market size is predicted to grow from US$ 35.22 million in 2025 to US$ 301 million in 2032; it is expected to grow at a CAGR of 36.3% from 2026 to 2032.

Methanol-to-aviation fuel (MTL) technology refers to a process route that uses methanol as the core platform molecule, and through a series of chemical processes such as catalytic conversion, oligomerization, and hydrogenation refining, converts methanol into synthetic hydrocarbon fuels that meet aviation kerosene standards (Jet A/Jet A-1). Essentially, it's a carbon chain reconstruction process of 'methanol ? hydrocarbon intermediates ? aviation kerosene fractions,' typically relying on molecular sieve catalysts to dehydrate methanol into olefins, which are then produced through oligomerization, isomerization, and hydrogenation steps to generate aviation fuel components in the C8?C16 range. The core advantage of this technology lies in its ability to use coal-based methanol, natural gas-based methanol, or green hydrogen + CO?-based methanol as upstream inputs, thus ensuring compatibility with renewable energy systems. It is considered one of the important pathways for 'electric fuel (ptL)' and carbon-neutral aviation fuel.

In terms of prospects, MTL technology is in the early stages of industrialization, transitioning to demonstration and scale-up. Large-scale commercial plants have not yet been established, but its growth potential is strong, driven by the demand for carbon-neutral aviation fuels. The aviation industry's pressure to reduce emissions is driving the parallel development of multiple low-carbon fuel pathways. Compared to the fatty acid ester (HEFA) route, which is limited by oil feedstocks, the MTJ route has the potential advantage of 'unlimited expansion of renewable methanol,' and is therefore considered to be an important supplementary route in the medium to long term. However, it still

+357 96 030922
info@marketpublishers.com

faces bottlenecks such as catalyst lifespan, selectivity control, reforming energy consumption, and insufficient experience in large-scale engineering.

United States market for Methanol-to-aviation Fuel Technology is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Methanol-to-aviation Fuel Technology is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Methanol-to-aviation Fuel Technology is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Methanol-to-aviation Fuel Technology players cover Honeywell, ExxonMobil, Topsoe, Johnson Matthey, Sinopec Engineering Group, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the ?Methanol-to-aviation Fuel Technology Industry Forecast? looks at past sales and reviews total world Methanol-to-aviation Fuel Technology sales in 2025, providing a comprehensive analysis by region and market sector of projected Methanol-to-aviation Fuel Technology sales for 2026 through 2032. With Methanol-to-aviation Fuel Technology sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Methanol-to-aviation Fuel Technology industry.

This Insight Report provides a comprehensive analysis of the global Methanol-to-aviation Fuel 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 Methanol-to-aviation Fuel Technology portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Methanol-to-aviation Fuel Technology market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Methanol-to-aviation Fuel 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

+357 96 030922
info@marketpublishers.com

view of the current state and future trajectory in the global Methanol-to-aviation Fuel Technology.

This report presents a comprehensive overview, market shares, and growth opportunities of Methanol-to-aviation Fuel Technology market by product type, application, key players and key regions and countries.

Segmentation by Type:

Methanol-to-Olefins - Oligopolymerization Route

Methanol-to-Gas Fuel/Jet Kerosene Co-source Route

Methanol-Syngas Coupled Reforming Route

Methanol Direct Upgrading to Medium- and Long-Chain Hydrocarbons Route

Segmentation by Methanol Sources:

Coal-to-Methanol

Natural Gas-to-Methanol

Biomass-to-Methanol

Green Hydrogen + CO? Capture to Methanol

Segmentation by Catalytic Systems:

ZSM-5 Molecular Sieve System

SAPO Molecular Sieve System

Bifunctional Catalysts

Metal-Molecular Sieve Coupled Catalytic System

+357 96 030922
info@marketpublishers.com

Segmentation by Application:

- Military Aviation
- Civil Aviation

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

+357 96 030922
info@marketpublishers.com

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.

Honeywell

ExxonMobil

Topsoe

Johnson Matthey

Sinopec Engineering Group

JGC Holdings

Hyundai Engineering

CSIR?Indian Institute of Petroleum

+357 96 030922
info@marketpublishers.com

Metafuels

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

3 METHANOL-TO-AVIATION FUEL TECHNOLOGY MARKET SIZE BY PLAYER

4 METHANOL-TO-AVIATION FUEL TECHNOLOGY BY REGION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

11 KEY PLAYERS ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Methanol-to-aviation Fuel Technology Market Growth (Status and Outlook) 2026-2032

Product link: https://marketpublishers.com/r/GA6904420BDFEN.html

Price: US$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GA6904420BDFEN.html