+357 96 030922
info@marketpublishers.com

# E-Fuel Market By Source (Wind, Solar) , By Type (E-Methane, E-Kerosene, E-Methanol, E-Ammonia, E-Diesel, E-Gasoline) By State (Gas, Liquid) By Application (Transportation, Chemcials, Power Generation) : Global Opportunity Analysis and Industry Forecast, 2024-2030

https://marketpublishers.com/r/ECA99D794466EN.html
Date: August 2024
Pages: 305
Price: US$ 2,601.00 (Single User License)
ID: ECA99D794466EN

## Abstracts

The e-fuel market was valued at $6.2 billion in 2023, and is projected to reach $48.5 billion by 2030, growing at a CAGR of 34.3% from 2024 to 2030.

E-fuel, or electrofuel, is a type of synthetic fuel produced by using renewable energy to convert carbon dioxide and water into hydrocarbons. Unlike conventional fossil fuels, e-fuels are considered a carbon-neutral energy source, as the carbon dioxide emitted during combustion is offset by the carbon dioxide used in their production. As global efforts to reduce greenhouse gas emissions intensify, e-fuels are emerging as a critical player in the transition to sustainable energy.

The growth of the global e-fuel market is majorly driven by implementation of stringent regulations to mitigate carbon emission, which encourages industries to adopt cleaner fuels like e-fuels to meet climate goals. For instance, industries such as aviation, shipping, and heavy-duty transportation are difficult to electrify. Thus, e-fuels serve as a feasible alternative to reduce carbon emissions in these sectors without requiring significant changes in existing infrastructure. The European Federation for Transport and Environment estimated in 2021 that wide adoption of e-fuels in the shipping and aviation industries could reduce global carbon emissions by up to 50% by 2050, if renewable energy infrastructure expands to support the necessary production levels. Furthermore, increase in investment in carbon capture and utilization technologies

+357 96 030922
info@marketpublishers.com

significantly contributes toward the market growth. This is attributed to the fact that these technologies enable the extraction of carbon from the atmosphere, which is essential for producing e-fuels. Moreover, rise in public awareness and pressure to combat climate change are pushing companies and consumers toward low-carbon alternatives like e-fuels, which fosters the growth of the global market. However, higher production cost of e-fuels as compared to conventional fossil fuels significantly hampers the growth of the global market. In addition, other sustainable alternatives such as battery-electric vehicles and hydrogen fuel cells are advancing rapidly and may outpace e-fuels in some applications, thereby limiting the market growth. On the contrary, advancements in renewable energy are expected to offer lucrative opportunities for the growth of the market during the forecast period. As renewable energy sources such as wind and solar become more cost-effective and widespread, the production of e-fuels using excess renewable electricity is becoming more viable and economically competitive.

The global e-fuel market is segmented into source, type, state, application, and region. By source, the market is classified into wind and solar. On the basis of the type, it is segregated into e-methane, e-kerosene, e-methanol, e-ammonia, e-diesel, and e-gasoline. By state, it is bifurcated into gas and liquid. Depending on application, it is divided into transportation, chemicals, and energy generation. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

Depending on source, the wind energy segment is expected to grow at a notable pace from 2024 to 2030.

On the basis of the type, the e-methane segment is anticipated to dominate the market throughout the forecast period.

By state, the liquid segment is projected to register the highest growth rate in the coming future.

As per application, the transportation segment is likely to lead the market by 2030.

Region wise, Europe segment dominated the market in 2023, and is expected to continue this trend during the forecast period.

Competition Analysis

+357 96 030922
info@marketpublishers.com

Competitive analysis and profiles of the major players in the global e-fuel market include Saudi Arabian Oil Co. (Saudi Aramco), AUDI AG, Siemens Energy, Sunfire GmbH, Norsk E-fuel, Mitsubishi Corporation, Repsol, S.A., Uniper SE., Porsche AG, and MAN Energy Solutions. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to sustain the intense competition and gain a strong foothold in the global market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Manufacturing Capacity

+357 96 030922
info@marketpublishers.com

Capital Investment breakdown

Upcoming/New Entrant by Regions

Technology Trend Analysis

Regulatory Guidelines

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Average Selling Price Analysis / Price Point Analysis

Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

List of customers/consumers/raw material suppliers- value chain analysis

Volume Market Size and Forecast

Key Market Segments

By Source

Wind

Solar

By Type

+357 96 030922
info@marketpublishers.com

- E-Methane
- E-Kerosene
- E-Methanol
- E-Ammonia
- E-Diesel
- E-Gasoline

By State

- Gas
- Liquid

By Application

- Transportation
- Chemcials
- Power Generation

By Region

- North America
- U.S.
- Canada
- Mexico

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

Saudi Arabian Oil Co. (Saudi Aramco)

AUDI AG

Siemens Energy

Sunfire GmbH

Norsk E-fuel

Mitsubishi Corporation

Repsol, S.A.

Uniper SE.

Porsche AG

MAN Energy Solutions

+357 96 030922
info@marketpublishers.com

# Contents

+357 96 030922
info@marketpublishers.com



## CHAPTER 5: E-FUEL MARKET, BY TYPE



## CHAPTER 6: E-FUEL MARKET, BY STATE

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com



## CHAPTER 9: COMPETITIVE LANDSCAPE

+357 96 030922
info@marketpublishers.com



## CHAPTER 10: COMPANY PROFILES

+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: E-Fuel Market By Source (Wind, Solar) , By Type (E-Methane, E-Kerosene, E-Methanol, E-Ammonia, E-Diesel, E-Gasoline) By State (Gas, Liquid) By Application (Transportation, Chemcials, Power Generation) : Global Opportunity Analysis and Industry Forecast, 2024-2030

Product link: https://marketpublishers.com/r/ECA99D794466EN.html

Price: US$ 2,601.00 (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/ECA99D794466EN.html