

E-Fuels Industry Report: Competitive Landscape and Future Prospects

The Business Research Company's E-Fuels Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, August 4, 2025

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E-Fuels Global Market Report 2025



What Is The Projected Market Size & Growth Rate Of The [E-Fuels Market](#)?

The market size of e-fuels has significantly amplified in the last few years. Its forecast predicts an increase from \$6.69 billion in 2024 to \$8.91 billion in 2025, with a compound annual growth rate (CAGR) of 33.2%. This growth over the historical period is due to supportive governmental regulations encouraging e-fuel usage, environmental factors, energy security issues and the expansion of the renewable energy industry.

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Over the coming years, the e-fuels market is predicted to experience a tremendous increase in its size. It is projected that by 2029, the market will swell to a valuation of \$24.86 billion, with a compound annual growth rate (CAGR) of

29.3%. This significant growth during the forecast period can be credited to the transitioning towards environmentally friendly transportation, increasing cognizance about climate change, growth in the renewable energy infrastructure, policies promoting energy transition, and corporate sustainability initiatives. Technology advancements, product innovations, major investments, and strategic partnerships are expected to be the major trends during this forecast period.

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What Is The Crucial Factor Driving The Global E-Fuels Market?

The increase in demand for the motoring industry is expected to boost the expansion of the e-fuels market. The motoring industry comprises corporations and operations linked to car design, development, manufacturing, and other associated functions. The need for cars remains strong, fueled by elements such as enhanced fuel performance, autonomous driving features, and changing consumer inclinations toward mobility solutions. E-fuels offer a potential solution to reduce emissions from internal combustion engine (ICE) vehicles and address decarbonization requirements in certain sectors where electrification is not presently viable. For instance, according to the India Brand Equity Foundation (IBEF), a government organization based in India, in December 2023, the total production of passenger vehicles, three-wheelers, two-wheelers, and quadricycles was 2.22 million units. Moreover, in November 2023, total passenger vehicle sales stood at 3,34,130, a spike of 3.7% from November 2022. Hence, the surge in the motoring industry is catalyzing the growth of the e-fuels market.

Who Are The Emerging Players In The E-Fuels Market?

Major players in the E-Fuels Global Market Report 2025 include:

- Saudi Arabian Oil Company
- ExxonMobil Corporation
- Shell plc
- Chevron Corporation
- Archer Daniels Midland Co.
- Engie Energy International
- Neste Oyj
- Audi AG
- CHS Inc.
- Porsche AG

What Are The Key Trends Shaping The [E-Fuels Industry](#)?

Leading e-fuels market participants are pursuing the development of cutting-edge technologies, such as the UOP eFinishing technology, to cater to the increasing global demand and boost their market income. This technology, UOP eFinishing, is engineered to generate low-carbon sustainable aviation fuel (SAF) by employing a methanol-to-jet fuel (MTJ) processing methodology. For instance, in May 2023, the U.S. manufacturing firm, Honeywell International Inc., introduced this ready-to-use solution, UOP eFinishing technology, for the production of low-carbon sustainable aviation fuel (SAF). This advanced technology boasts a highly synchronized design competent to process versatile feedstocks using commercially tested procedures, ensuring dependable operation, reduced capital investments, and minimal energy intensity. Moreover, the eFinishing technology can effectively decrease greenhouse gas (GHG) emissions by 88% compared to conventional jet fuel.

What Segments Are Covered In The E-Fuels Market Report?

The e-fuels market covered in this report is segmented –

- 1) By Product: E-Diesel, E-Gasoline, Ethanol, Hydrogen, E-Kerosene, E-Methane, E-Methanol,

Other Products

- 2) By Technology: Hydrogen Technology, Fischer-Tropsch, Reverse-Water-Gas-Shift (RWGS)
- 3) By State: Liquid, Gas
- 4) By End-Use: Automotive, Marine, Industrial, Railway, Aviation, Other End-Users

Subsegments:

- 1) By E-Diesel: Low-Carbon E-Diesel, Renewable E-Diesel, Synthetic E-Diesel
- 2) By E-Gasoline: Synthetic E-Gasoline, Bio-Based E-Gasoline
- 3) By Ethanol: Renewable Ethanol, Synthetic Ethanol
- 4) By Hydrogen: Green Hydrogen, Blue Hydrogen, Grey Hydrogen
- 5) By E-Kerosene: Sustainable Aviation Fuel (SAF), Renewable E-Kerosene
- 6) By E-Methane: Biomethane-Based E-Methane, Synthetic E-Methane
- 7) By E-Methanol: Bio-Based E-Methanol, Synthetic E-Methanol
- 8) By Other Products: E-LPG, E-Butanol, E-DME (Dimethyl Ether), E-Propane

View the full e-fuels market report:

<https://www.thebusinessresearchcompany.com/report/e-fuels-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global E-Fuels Market?

In 2024, Europe stood as the leading region in the e-fuels global market. The report predicts its growth trajectory up to 2025. The e-fuels market report encompasses regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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