

Aviation Fuel - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 125 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Aviation Fuel Market size is estimated at USD 212.01 billion in 2025, and is expected to reach USD 302.81 billion by 2030, at a CAGR of 7.39% during the forecast period (2025-2030).

Key Highlights

- Over the medium term, the increasing demand for air travel and an increasing fleet of aircraft is expected to drive the market during the forecasted period.
- On the other hand, the increasing environmental concerns for air pollution are expected to hinder the growth of the market during the forecasted period.
- Nevertheless, the increasing advancements in sustainable aviation fuel technology are expected to create huge opportunities for the aviation fuel market.
- Asia-Pacific is expected to be a dominant aviation fuel market region due to the increasing air travel and aircraft fleets in the region.

Aviation Fuel Market Trends

Aviation Turbine Fuels Expected to Dominate the Market

- Aviation Turbine Fuel (ATF), commonly known as jet fuel, is a petroleum-derived fuel with a composition resembling kerosene. It is available in different grades globally, including Jet A, Jet A-1, and Jet B, with Jet A-1 being the most commonly utilized. Jet A-1 is

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

compatible with a wide range of aircraft turbine engines. It exhibits a minimum flash point of 38 degrees Celsius (100F) and a maximum freeze point of -47 degrees Celsius.

- Aviation turbine fuels are used in various aircraft, including commercial airliners, military, and business jets. Most aircraft in service today, especially larger commercial aircraft, rely on jet fuel as their primary energy source. The widespread usage of jet fuel in various aircraft types contributes to its dominance in the market.
- Moreover, jet engines, prevalent in commercial and military aviation, require aviation turbine fuels to operate efficiently. These engines are designed to utilize jet fuel's energy content and combustion properties. As long as jet engines remain the dominant propulsion technology in the aviation industry, the demand for aviation turbine fuels will continue to be significant.
- For instance, according to the United States Energy Information Administration, the consumption of jet fuel in the United States increased by almost 14% between 2022 and 2021, signifying the increasing air travels and fuel consumption.
- Aviation turbine fuels have a higher energy density than other fuels, such as avgas used in piston-engine aircraft. This means that jet fuel can provide more energy per unit of volume, which is crucial for long-haul flights and larger aircraft. The high energy density of aviation turbine fuels makes them ideal for powering jet engines and allows for efficient and extended flight operations.
- In January 2023, The Indian Oil Corporation (IOC) initiated the export of aviation fuel, catering to the requirements of small aircraft and unmanned aerial vehicles (UAVs). This move allows India to enter the global market, valued at approximately USD 2.7 billion, by venturing into petroleum exports. The Jawaharlal Nehru Port Trust (JNPT) facilitated the shipment of the first consignment comprising 80 barrels of aviation fuel to Papua New Guinea. Each barrel has a capacity of 16 kiloliters, enabling the transport of a significant quantity of aviation gas.
- Therefore as per the points discussed, aviation turbine fuel is expected to diminish the market during the forecasted period.

Asia-Pacific Expected to Dominate the Market

- The Asia-Pacific region is experiencing significant economic growth, with countries like China, India, and Southeast Asian nations driving this expansion. As economies grow, there is a corresponding increase in air travel demand, directly translating to higher aviation fuel consumption. The region's robust economic growth fuels the dominance of the aviation fuel market.
- The Asia-Pacific region has a flourishing airline industry with numerous carriers and a growing fleet of aircraft. Airlines in the region continuously expand their operations, adding new routes and increasing flight frequencies. This expansion necessitates a higher demand for aviation fuel, contributing to the dominance of the market in the region.
- Moreover, rapid urbanization in the Asia-Pacific region and the rise of the middle-class population has led to a surge in air travel. As more people in the region access air transportation, the demand for aviation fuel grows. The increasing urbanization and a burgeoning middle-class population are key factors driving the dominance of the market in the Asia-Pacific region.
- Furthermore, Asia-Pacific region has witnessed the emergence and growth of low-cost carriers (LCCs). These airlines offer affordable airfares, attracting a larger segment of the population and stimulating air travel demand. LCCs typically operate with higher load factors, leading to increased fuel consumption and subsequently driving the aviation fuel market's dominance in the region.
- Additionally, many countries in the Asia-Pacific region are investing heavily in airport infrastructure development. New airports are being built, and existing ones are undergoing expansion and modernization. These infrastructure investments create favorable conditions for increased air traffic and fuel consumption, further contributing to the region's dominance in the aviation fuel market.
- For instance, in May 2023, Indian Oil Corp. intends to construct a sustainable aviation fuel (SAF) plant worth USD 122 million due to the substantial shortfall in global supplies required by airlines to achieve decarbonization targets. The planned facility will have the capability to manufacture 88,000 tons of SAF annually.
- Therefore as per the above-mentioned points the Asia-Pacific region is expected to dominate the market during the forecasted period.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Aviation Fuel Industry Overview

The Aviation fuel market is fragmented. Some of the major players in the market (in no particular order) include ExxonMobil Corporation, Chevron Corporation, Shell Plc., TotalEnergies SE, and BP Plc. among others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Scope of the Study
- 1.2 Market Definition
- 1.3 Study Assumptions

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET OVERVIEW

- 4.1 Introduction
- 4.2 Market Size and Demand Forecast in USD, till 2028
- 4.3 Recent Trends and Developments
- 4.4 Government Policies and Regulations
- 4.5 Market Dynamics
 - 4.5.1 Drivers
 - 4.5.1.1 Increasing Air Travel Demand
 - 4.5.1.2 Expanding Airline Fleet
 - 4.5.2 Restraints
 - 4.5.2.1 Volatile Crude Oil Prices
- 4.6 Supply Chain Analysis
- 4.7 Porter's Five Forces Analysis
 - 4.7.1 Bargaining Power of Suppliers
 - 4.7.2 Bargaining Power of Consumers
 - 4.7.3 Threat of New Entrants
 - 4.7.4 Threat of Substitutes Products and Services
 - 4.7.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION

- 5.1 Fuel Type
 - 5.1.1 Air Turbine Fuel
 - 5.1.1.1 Jet A-1
 - 5.1.1.2 Jet A
 - 5.1.1.3 Jet B

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.1.2 Aviation Biofuel
- 5.1.3 AVGAS
- 5.2 End-User
 - 5.2.1 Commercial
 - 5.2.2 Defence
 - 5.2.3 General Aviation
- 5.3 Geography (Regional Market Analysis {Market Size and Demand Forecast till 2028 (for regions only)})
 - 5.3.1 North America
 - 5.3.1.1 United States
 - 5.3.1.2 Canada
 - 5.3.1.3 Rest of North America
 - 5.3.2 Europe
 - 5.3.2.1 Germany
 - 5.3.2.2 United Kingdom
 - 5.3.2.3 France
 - 5.3.2.4 Russia
 - 5.3.2.5 Rest of Europe
 - 5.3.3 Asia-Pacific
 - 5.3.3.1 China
 - 5.3.3.2 India
 - 5.3.3.3 Japan
 - 5.3.3.4 South Korea
 - 5.3.3.5 Rest of Asia-Pacific
 - 5.3.4 South America
 - 5.3.4.1 Brazil
 - 5.3.4.2 Argentina
 - 5.3.4.3 Chile
 - 5.3.4.4 Rest of South America
 - 5.3.5 Middle-East and Africa
 - 5.3.5.1 Saudi Arabia
 - 5.3.5.2 United Arab Emirates
 - 5.3.5.3 Egypt
 - 5.3.5.4 South Africa
 - 5.3.5.5 Rest of Middle-East and Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Strategies Adopted by Leading Players
- 6.3 Company Profiles
 - 6.3.1 Exxon Mobil Corporation
 - 6.3.2 Chevron Corporation
 - 6.3.3 Shell Plc.
 - 6.3.4 TotalEnergies SE
 - 6.3.5 BP Plc
 - 6.3.6 Gazprom Neft' PAO
 - 6.3.7 Neste Oyj
 - 6.3.8 Swedish Biofuels AB

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.3.9 Red Rock Biofuels LLC
- 6.3.10 Abu Dhabi National Oil Company
- 6.3.11 Bharat Petroleum Corp. Ltd.
- 6.3.12 Indian Oil Corporation Ltd.
- 6.3.13 Emirates National Oil Company
- 6.3.14 Valero Energy Corporation
- 6.3.15 Allied Aviation Services Inc.

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

7.1 Biofuels and Sustainable Alternatives

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Aviation Fuel - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts
(2025 - 2030)**

Market Report | 2025-04-28 | 125 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-01"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

