

# Aviation Fuel Market to Reach \$238.5 Billion by 2026, Driven by Civil and Military Aviation Demand

*Global Aviation Fuel Market Forecast: Sustainable Fuel Innovation Fuels \$238.5 Billion Growth by 2026*

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The [aviation fuel market](#) is witnessing strong growth, driven by the expansion of the global aviation industry, rising disposable incomes, and increasing investments in air transportation infrastructure.

According to Allied Market Research, the global aviation fuel market size was valued at \$179.2 billion in 2018 and is projected to reach \$238.5 billion by 2026, growing at a CAGR of 3.5% from 2019 to 2026.

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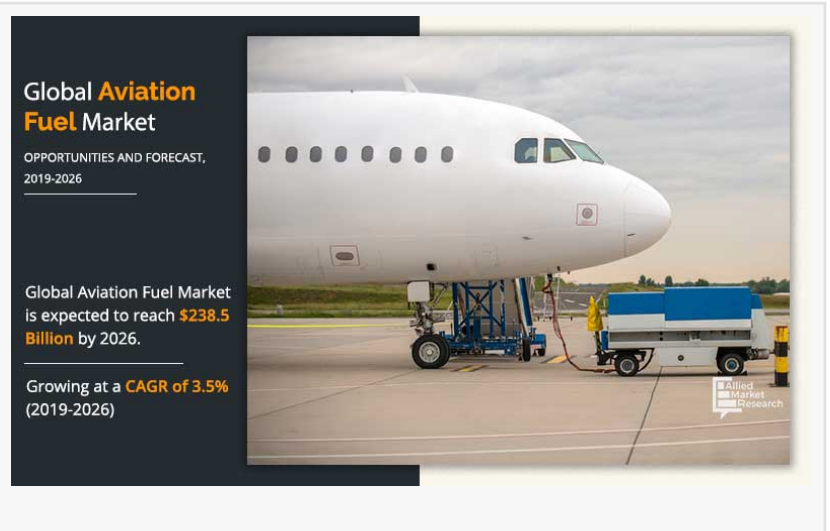
Aviation fuel market to hit \$238.5B by 2026, fueled by civil & military aviation demand, SAF adoption, and rising air travel.”

*Allied Market Research*

aviation.

## □ Key Findings

The global aviation fuel market is expected to grow to \$238.5 billion by 2026 at a CAGR of 3.5%.



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Aviation fuel, a high-quality petroleum-based product, is designed to power aircraft engines efficiently while minimizing risks such as icing or overheating. It plays a critical role in ensuring safety, operational efficiency, and cost-effectiveness across commercial, private, and military

Civil aviation leads in demand, supported by tourism and rising disposable income.

India is the fastest-growing market (CAGR 4.6%), while North America holds the largest current share.

[Sustainable aviation fuel \(SAF\)](#) is set to transform the industry by lowering carbon emissions.

## □ Market Drivers

Several factors are shaping the growth of the aviation fuel industry:

**Military demand:** With nations strengthening their defense capabilities, the demand for efficient, low-cost military-grade fuels is on the rise.

**Boom in air travel:** Rising disposable incomes and the growing tourism industry have accelerated air passenger traffic, creating strong demand for aviation fuel.

**Infrastructure development:** Government investments in constructing new airports and introducing new flight routes further boost fuel consumption.

However, challenges such as fluctuating crude oil prices and environmental concerns related to carbon emissions pose restraints. Stringent emission regulations by global authorities are forcing the industry to adapt.

## □ Rise of Sustainable Aviation Fuel (SAF)

One of the most transformative opportunities in the aviation fuel market is the adoption of sustainable aviation fuel (SAF). SAF is produced from renewable feedstocks such as:

Used cooking oil and non-palm [waste oils](#)

Agricultural and municipal solid waste (packaging, paper, textiles, food scraps)

Other bio-based alternatives

SAF not only reduces carbon emissions but also supports the aviation industry's goal of achieving net-zero emissions. As airlines and governments push for greener alternatives, SAF is expected to become a key growth driver for the aviation fuel market in the coming decade.

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## □ Market Segmentation

The aviation fuel market is segmented based on fuel type, aircraft type, end user, and region.

#### By Fuel Type

Jet A & Jet A1 (dominant, with Jet A1 expected to grow at a higher CAGR)

Jet B

JP 5

JP 8

Avgas

Biofuels

#### By Aircraft Type

Fixed Wing Aircraft (largest share in 2018, continues dominance)

Rotorcraft

Others

#### By End User

Civil Aviation (largest and fastest-growing segment, CAGR 3.6%)

Military

Private

Sports & Recreational

#### By Region

North America: Leading market in 2018 due to high air traffic and established aviation infrastructure.

Asia-Pacific: Expected to grow fastest, driven by emerging economies such as India and China.

Europe and LAMEA: Steady demand supported by tourism and regional airlines.

Notably, India is projected to register the highest CAGR of 4.6%, while the U.S. accounted for 4.1% of global share in 2018.

#### □ Key Market Players

The aviation fuel industry is highly competitive, with major oil & gas corporations and refiners driving supply. Key players include:

BP p.l.c.

Chevron Corporation

ExxonMobil Corporation

Gazprom

Indian Oil Corporation Limited

Petrobras

Royal Dutch Shell plc

Sinopec Group

Total S.A.

Oman Oil Company SAOC

These companies are investing in refining capacity, SAF development, and strategic collaborations with airlines to secure long-term market share.

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#### □ Conclusion

The aviation fuel market is poised for robust growth, supported by rising air travel, strong defense fuel demand, and expanding aviation infrastructure. While crude oil price volatility and environmental regulations remain key challenges, the rapid adoption of sustainable aviation fuel (SAF) offers promising opportunities. As airlines, governments, and fuel producers align toward greener solutions, the aviation fuel market will play a pivotal role in shaping the future of global air transportation.

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David Correa

Allied Market Research

+ +1 800-792-5285

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