

Global Bio-based Sustainable Aviation Fuel (SAF) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Bio-based Sustainable Aviation Fuel (SAF) market size was valued at USD 1221.3 million in 2023 and is forecast to a readjusted size of USD 5689.5 million by 2030 with a CAGR of 24.6% during review period.

Bio-based sustainable aviation fuel (SAF) (also called as Bio-Aviation Fuel) is the name given to advanced aviation biofuel types used in jet aircraft and certified as being sustainable by a reputable independent third-party. It is produced from renewable animal, plant or biomass raw materials. This certification is in addition to the safety and performance certification, issued by global standards body ASTM, that all jet fuel is required to meet in order to be approved for use in regular passenger flights.

In this report, Bio-based sustainable aviation fuel (SAF) is at least synonymous with these things biomass-based renewable jet fuel, (bio-based) renewable jet fuel, (bio-based) sustainable aviation fuel (SAF), biojet fuels, bio-based aviation fuel, drop-in fuel for aviation.

The key players of Bio-based Sustainable Aviation Fuel (SAF) include Neste, World Energy and TotalEnergies, etc. The top three players hold a share over 51%. Europe is the largest market, has a share about 59%. In terms of product type, HEFA is the largest segment, occupied for a share of about 93%, and in terms of application, Commercial Aircraft has a share about 94 percent.

The Global Info Research report includes an overview of the development of the Bio-based Sustainable Aviation Fuel (SAF) industry chain, the market status of Commercial

Aircraft (HEFA, G+FT), Military Aircraft (HEFA, G+FT), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Bio-based Sustainable Aviation Fuel (SAF).

Regionally, the report analyzes the Bio-based Sustainable Aviation Fuel (SAF) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Bio-based Sustainable Aviation Fuel (SAF) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Bio-based Sustainable Aviation Fuel (SAF) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Bio-based Sustainable Aviation Fuel (SAF) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., HEFA, G+FT).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Bio-based Sustainable Aviation Fuel (SAF) market.

Regional Analysis: The report involves examining the Bio-based Sustainable Aviation Fuel (SAF) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Bio-based Sustainable Aviation Fuel (SAF) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Bio-based Sustainable Aviation Fuel (SAF):

Company Analysis: Report covers individual Bio-based Sustainable Aviation Fuel (SAF) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Bio-based Sustainable Aviation Fuel (SAF). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Commercial Aircraft, Military Aircraft).

Technology Analysis: Report covers specific technologies relevant to Bio-based Sustainable Aviation Fuel (SAF). It assesses the current state, advancements, and potential future developments in Bio-based Sustainable Aviation Fuel (SAF) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Bio-based Sustainable Aviation Fuel (SAF) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Bio-based Sustainable Aviation Fuel (SAF) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

HEFA

G+FT

AtJ

Other

Market segment by Application

Commercial Aircraft

Military Aircraft

Other

Major players covered

Neste

World Energy

TotalEnergies

Honeywell

SkyNRG

LanzaJet

Swedish Biofuels AB

Eni

Virent

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio-based Sustainable Aviation Fuel (SAF) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-based Sustainable Aviation Fuel (SAF), with price, sales, revenue and global market share of Bio-based Sustainable Aviation Fuel (SAF) from 2019 to 2024.

Chapter 3, the Bio-based Sustainable Aviation Fuel (SAF) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-based Sustainable Aviation Fuel (SAF) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Bio-based Sustainable Aviation Fuel (SAF) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio-based Sustainable Aviation Fuel (SAF).

Chapter 14 and 15, to describe Bio-based Sustainable Aviation Fuel (SAF) sales channel, distributors, customers, research findings and conclusion.

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