

Global Flight Simulator Market Size study & Forecast, by Component (Hardware, Software, Services), by Platform (Narrow Body Aircrafts, Wide Body Aircrafts, Others) and by End-Use (Commercial, Defense, Others), and Regional Analysis, 2023-2030

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Abstracts

Global Flight Simulator Market is valued approximately at USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. A flight simulator serves as an intricate electrical and mechanical setup designed to replicate the intricacies of flight, aiding in the training of pilots and crew members. Its purpose lies in acquainting trainers with the nuances of real-world flight scenarios, including handling and operational procedures. Simulations within this system serve as invaluable tools for recreating various conditions or events, fostering experience and insight within the aviation realm. Crucially, simulations allow engaging with complex scenarios while mitigating potential risks. Moreover, flight simulators offer the advantage of environmental independence, facilitating repetitive practice sessions without reliance on external factors. The market growth is driven by key factors such as rapidly increasing civil aviation industry, rising demand for air travel and growing importance of aircraft safety.

The anticipated surge in air travel demand is poised to drive growth in the global flight simulator market in the foreseeable future. Advancements in flight simulator technology, particularly in motion and visual systems, are aimed at accurately mirroring real-world flying experiences, fueling market evolution. Moreover, heightened government expenditure and mounting security apprehensions, particularly within the military domain, are anticipated to catalyze substantial growth in the industry. As per Statista, the global airline industry has seen a consistent rise in flight activity since the early 2000s, peaking at 38.9 million flights in 2019. However, the advent of the coronavirus

pandemic led to a sharp decline, with only 16.9 million flights recorded in 2020. Subsequently, there was a notable rebound in flight volumes the following year, with projections indicating an anticipated increase to 34.4 million passengers by 2023. Moreover, India boasts a network of more than 400 airports and airstrips, with 136 currently operational. In the fiscal year 2023, passenger traffic at Indian airports surpassed 327 million, with nearly 57 millions of those passengers traveling internationally. However, there was a noticeable decline in both domestic and international passenger traffic in 2021, attributed to the suspension of air travel stemming from the onset of the coronavirus (COVID-19) pandemic in March 2020. However, high manufacturing costs and rising concerns over pilot training costs stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Flight Simulator Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America led the regional market with largest market share in 2022. This dominance can be attributed to the early embrace of technology by both manufacturers and consumers in the region. Meanwhile, the Asia Pacific region is expected to be the fastest growing region during the forecast period, driven by escalating demand for flight simulators, notably in burgeoning economies such as India and China. This growth trajectory in the Asia Pacific is spurred by heightened demand for air travel, buoyed by expanding trade and tourism opportunities.

Major market player included in this report are:

The DiSTI Corporation

Leonardo S.p.A.

Boeing Co

CAE Inc.

AIRBUS SE

Fidelity Technologies Corporation

Havelsan Air Electronic Industry

Kratos Defense & Security Solutions, Inc.

L3Harris Technologies, Inc.

Lockheed Martin Corporation

Recent Developments in the Market:

In June 2023, the Microsoft Flight Simulator team unveiled the latest City Update II: France, a complimentary expansion showcasing the breathtaking landscapes of five cities: Angers, Amiens, Nîmes, Nantes, and Reims. Notably, this update was unveiled as a special feature for the Paris Air Show, introducing players to the iconic Paris-Le Bourget Airport (LFPB) in both festival and standard configurations, enriching the immersive gaming experience.

In July 2022, Airbus selected L3Harris Technologies to deliver an advanced full-flight simulator for its Toulouse Training Center, specifically tailored for the A320 family. The Reality7e simulator represents a pinnacle in L3Harris' cutting-edge training technology, promising unparalleled fidelity and realism. This partnership facilitated early access to training devices, addressing the industry's increasing need for training capacity.

Global Flight Simulator Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Component, Platform, End-use, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's

working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Hardware

Software

Services

By Platform:

Narrow Body Aircrafts

Wide Body Aircrafts

Others

By End-use:

Commercial

Defense

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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