

# **Civil Aerospace Simulation and Training Market Report by Type (Full Flight Simulator, Flight Training Device, and Others), Aircraft Type (Regional Jets, Narrow Body Aircrafts, Wide Body Aircrafts, and Others), Platform (Fixed Wing Simulator, Rotary Wing Simulator), Application (Commercial Aviation Training, Space Training, Military Aviation Training, and Others), and Region 2024-2032**

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## **Abstracts**

The global civil aerospace simulation and training market size reached US\$ 5.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 7.1 Billion by 2032, exhibiting a growth rate (CAGR) of 3.5% during 2024-2032.

Civil aerospace simulation and training is a technological solution used for recreating aircraft flight environment artificially. It is primarily utilized for pilot training on fixed-wing and rotary-wing aircraft and consists of full flight simulators (FFS) and flight training devices (FTD). FFS simulates the airplane cockpit and FTD acts as a replica of the flight control panel and other devices. The system aids in optimizing the pilot's in-flight knowledge and familiarizing them with airplane maneuvering under emergencies, such as bad weather, loss of electronics, tire blowouts and hydraulic failures. As a result, it finds extensive applications in commercial and military aviation and satellite training.

Significant growth in the aviation sector across the globe represents one of the key factors creating a positive outlook for the market. Airlines are using innovative simulators to provide cost-effective airborne training experience to pilots in a safe environment. Furthermore, the increasing emphasis on enhancing pilot and passenger

safety in aircraft by various government and private organizations is also driving the market growth. Additionally, widespread adoption of unmanned aerial systems (UASs) and the development of virtual training solutions are acting as other growth-inducing factors. These solutions provide night-vision and real-time computer image generation facilities with optimal motion-cueing technologies to provide realistic flying experience to the pilot. Other factors, including the utilization of these systems for the investigation of aircraft accidents, along with the deployment of reconfigurable flight simulation and training systems in human space exploration programs, are anticipated to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global civil aerospace simulation and training market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, aircraft type, platform and application.

#### Breakup by Type:

- Full Flight Simulator
- Flight Training Device
- Others

#### Breakup by Aircraft Type:

- Regional Jets
- Narrow Body Aircrafts
- Wide Body Aircrafts
- Others

#### Breakup by Platform:

- Fixed Wing Simulator
- Rotary Wing Simulator

#### Breakup by Application:

- Commercial Aviation Training
- Space Training
- Military Aviation Training

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being CAE Inc, Diamond Visionics LLC, Elbit Systems Ltd, Flightsafety International Inc. (Berkshire Hathaway Inc.), Frasca International Inc., Indra Sistemas S.A, L3harris Technologies Inc., Lockheed Martin Corporation, Thales S.A and The Boeing Company.

Key Questions Answered in This Report

1. What was the size of the global civil aerospace simulation and training market in

2023?

2. What is the expected growth rate of the global civil aerospace simulation and training market during 2024-2032?
3. What are the key factors driving the global civil aerospace simulation and training market?
4. What has been the impact of COVID-19 on the global civil aerospace simulation and training market?
5. What is the breakup of the global civil aerospace simulation and training market based on the type?
6. What is the breakup of the global civil aerospace simulation and training market based on the aircraft type?
7. What is the breakup of the global civil aerospace simulation and training market based on the platform?
8. What is the breakup of the global civil aerospace simulation and training market based on the application?
9. What are the key regions in the global civil aerospace simulation and training market?
10. Who are the key players/companies in the global civil aerospace simulation and training market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL CIVIL AEROSPACE SIMULATION AND TRAINING MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY TYPE**

- 6.1 Full Flight Simulator
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Flight Training Device
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Others

- 6.3.1 Market Trends
- 6.3.2 Market Forecast

## **7 MARKET BREAKUP BY AIRCRAFT TYPE**

- 7.1 Regional Jets
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Narrow Body Aircrafts
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Wide Body Aircrafts
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Others
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast

## **8 MARKET BREAKUP BY PLATFORM**

- 8.1 Fixed Wing Simulator
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Rotary Wing Simulator
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast

## **9 MARKET BREAKUP BY APPLICATION**

- 9.1 Commercial Aviation Training
  - 9.1.1 Market Trends
  - 9.1.2 Market Forecast
- 9.2 Space Training
  - 9.2.1 Market Trends
  - 9.2.2 Market Forecast
- 9.3 Military Aviation Training
  - 9.3.1 Market Trends
  - 9.3.2 Market Forecast
- 9.4 Others

9.4.1 Market Trends

9.4.2 Market Forecast

## **10 MARKET BREAKUP BY REGION**

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

10.3.1.2 Market Forecast

10.3.2 France

- 10.3.2.1 Market Trends
- 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
  - 10.3.3.1 Market Trends
  - 10.3.3.2 Market Forecast
- 10.3.4 Italy
  - 10.3.4.1 Market Trends
  - 10.3.4.2 Market Forecast
- 10.3.5 Spain
  - 10.3.5.1 Market Trends
  - 10.3.5.2 Market Forecast
- 10.3.6 Russia
  - 10.3.6.1 Market Trends
  - 10.3.6.2 Market Forecast
- 10.3.7 Others
  - 10.3.7.1 Market Trends
  - 10.3.7.2 Market Forecast
- 10.4 Latin America
  - 10.4.1 Brazil
    - 10.4.1.1 Market Trends
    - 10.4.1.2 Market Forecast
  - 10.4.2 Mexico
    - 10.4.2.1 Market Trends
    - 10.4.2.2 Market Forecast
  - 10.4.3 Others
    - 10.4.3.1 Market Trends
    - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
  - 10.5.1 Market Trends
  - 10.5.2 Market Breakup by Country
  - 10.5.3 Market Forecast

## **11 SWOT ANALYSIS**

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats



## **12 VALUE CHAIN ANALYSIS**

## **13 PORTERS FIVE FORCES ANALYSIS**

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

## **14 PRICE ANALYSIS**

## **15 COMPETITIVE LANDSCAPE**

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
  - 15.3.1 CAE Inc.
    - 15.3.1.1 Company Overview
    - 15.3.1.2 Product Portfolio
    - 15.3.1.3 Financials
    - 15.3.1.4 SWOT Analysis
  - 15.3.2 Diamond Visionics LLC
    - 15.3.2.1 Company Overview
    - 15.3.2.2 Product Portfolio
  - 15.3.3 Elbit Systems Ltd.
    - 15.3.3.1 Company Overview
    - 15.3.3.2 Product Portfolio
    - 15.3.3.3 Financials
  - 15.3.4 Flightsafety International Inc. (Berkshire Hathaway Inc.)
    - 15.3.4.1 Company Overview
    - 15.3.4.2 Product Portfolio
  - 15.3.5 Frasca International Inc.
    - 15.3.5.1 Company Overview
    - 15.3.5.2 Product Portfolio
  - 15.3.6 Indra Sistemas S.A.
    - 15.3.6.1 Company Overview

- 15.3.6.2 Product Portfolio
- 15.3.6.3 Financials
- 15.3.6.4 SWOT Analysis
- 15.3.7 L3harris Technologies Inc.
  - 15.3.7.1 Company Overview
  - 15.3.7.2 Product Portfolio
  - 15.3.7.3 Financials
- 15.3.8 Lockheed Martin Corporation
  - 15.3.8.1 Company Overview
  - 15.3.8.2 Product Portfolio
  - 15.3.8.3 Financials
  - 15.3.8.4 SWOT Analysis
- 15.3.9 Thales S.A.
  - 15.3.9.1 Company Overview
  - 15.3.9.2 Product Portfolio
  - 15.3.9.3 Financials
  - 15.3.9.4 SWOT Analysis
- 15.3.10 The Boeing Company
  - 15.3.10.1 Company Overview
  - 15.3.10.2 Product Portfolio
  - 15.3.10.3 Financials
  - 15.3.10.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: Civil Aerospace Simulation and Training Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Civil Aerospace Simulation and Training Market Forecast: Breakup by Type (in Million US\$), 2024-2032

Table 3: Global: Civil Aerospace Simulation and Training Market Forecast: Breakup by Aircraft Type (in Million US\$), 2024-2032

Table 4: Global: Civil Aerospace Simulation and Training Market Forecast: Breakup by Platform (in Million US\$), 2024-2032

Table 5: Global: Civil Aerospace Simulation and Training Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 6: Global: Civil Aerospace Simulation and Training Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: Civil Aerospace Simulation and Training Market Structure

Table 8: Global: Civil Aerospace Simulation and Training Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Civil Aerospace Simulation and Training Market: Major Drivers and Challenges

Figure 2: Global: Civil Aerospace Simulation and Training Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Civil Aerospace Simulation and Training Market: Breakup by Type (in %), 2023

Figure 4: Global: Civil Aerospace Simulation and Training Market: Breakup by Aircraft Type (in %), 2023

Figure 5: Global: Civil Aerospace Simulation and Training Market: Breakup by Platform (in %), 2023

Figure 6: Global: Civil Aerospace Simulation and Training Market: Breakup by Application (in %), 2023

Figure 7: Global: Civil Aerospace Simulation and Training Market: Breakup by Region (in %), 2023

Figure 8: Global: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 9: Global: Civil Aerospace Simulation and Training (Full Flight Simulator) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Civil Aerospace Simulation and Training (Full Flight Simulator) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Civil Aerospace Simulation and Training (Flight Training Device) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Civil Aerospace Simulation and Training (Flight Training Device) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Civil Aerospace Simulation and Training (Other Types) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Civil Aerospace Simulation and Training (Other Types) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Civil Aerospace Simulation and Training (Regional Jets) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Civil Aerospace Simulation and Training (Regional Jets) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Civil Aerospace Simulation and Training (Narrow Body Aircrafts) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Civil Aerospace Simulation and Training (Narrow Body Aircrafts)

Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Civil Aerospace Simulation and Training (Wide Body Aircrafts)

Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Civil Aerospace Simulation and Training (Wide Body Aircrafts)

Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Civil Aerospace Simulation and Training (Other Aircraft Types)

Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Civil Aerospace Simulation and Training (Other Aircraft Types)

Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Civil Aerospace Simulation and Training (Fixed Wing Simulator)

Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Civil Aerospace Simulation and Training (Fixed Wing Simulator)

Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Civil Aerospace Simulation and Training (Rotary Wing Simulator)

Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Civil Aerospace Simulation and Training (Rotary Wing Simulator)

Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: Civil Aerospace Simulation and Training (Commercial Aviation Training) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: Civil Aerospace Simulation and Training (Commercial Aviation Training) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Global: Civil Aerospace Simulation and Training (Space Training) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Global: Civil Aerospace Simulation and Training (Space Training) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Global: Civil Aerospace Simulation and Training (Military Aviation Training) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Global: Civil Aerospace Simulation and Training (Military Aviation Training) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Global: Civil Aerospace Simulation and Training (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Global: Civil Aerospace Simulation and Training (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: North America: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: North America: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: United States: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: United States: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Canada: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Canada: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Asia Pacific: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Asia Pacific: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: China: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: China: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Japan: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Japan: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: India: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: India: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: South Korea: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: South Korea: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Australia: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Australia: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Indonesia: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Indonesia: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Others: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Others: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Europe: Civil Aerospace Simulation and Training Market: Sales Value (in

Million US\$), 2018 & 2023

Figure 58: Europe: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Germany: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Germany: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: France: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: France: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: United Kingdom: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: United Kingdom: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Italy: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Italy: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Spain: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Spain: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Russia: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Russia: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Others: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Others: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Latin America: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Latin America: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Brazil: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Brazil: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Mexico: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Mexico: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 79: Others: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 80: Others: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 81: Middle East and Africa: Civil Aerospace Simulation and Training Market: Sales Value (in Million US\$), 2018 & 2023

Figure 82: Middle East and Africa: Civil Aerospace Simulation and Training Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 83: Global: Civil Aerospace Simulation and Training Industry: SWOT Analysis

Figure 84: Global: Civil Aerospace Simulation and Training Industry: Value Chain Analysis

Figure 85: Global: Civil Aerospace Simulation and Training Industry: Porter's Five Forces Analysis



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