

Civil Aerospace Simulation and Training Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global civil aerospace simulation and training market size reached US\$ 5.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 6.2 Billion by 2028, exhibiting a growth rate (CAGR) of 4% during 2023-2028.

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 2023-2028. 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 2022?
2. What is the expected growth rate of the global civil aerospace simulation and training market during 2023-2028?
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?

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