

Helicopter Simulation Market Can Touch Approximately USD 1.8 billion, Developing at a Rate of 6.1%

Rise in number of pilot training institutes drive the global helicopter simulation market

WILMINGTON, NEW CASTLE,
DELAWARE, UNITED STATES, June 24,
2024 /EINPresswire.com/ -- The

report provides an extensive analysis of changing market dynamics, major segments, value chain, competitive scenario, and regional landscape. The research provides detailed



segmentation of the global helicopter simulation market based on offering, simulator type, application, and region. The report discusses segments and their sub-segments in detail with the help of tables and figures. Market players and investors can strategize according to the highest revenue-generating and fastest-growing segments mentioned in the report.



This research offers a valuable guidance to leading players, investors, shareholders, and startups in devising strategies for the sustainable growth and gaining competitive edge in the market."

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The global helicopter simulation market size was valued at \$1 billion in 2021, and is projected to reach \$1.8 billion by 2031, growing at a CAGR of 6.1% from 2022 to 2031.

Based on offering, the services segment held the highest share in 2021, accounting for more than two-third of the global helicopter simulation market, and is expected to

continue its leadership status during the forecast period. This segment is expected to register the highest CAGR of 6.6% from 2022 to 2031.

Indra Sistemas, S.A., Elbit Systems Ltd., Berkshire Hathaway, Textron Inc., Lockheed Martin Corporation, ATC Flight Simulator, Thales, FLYIT Simulators, Inc., CAE Inc., Airbus

Helicopter simulation in training has become essential for pilot safety. The helicopter simulation can provide accident-free tactical and operational training for commercial and military operations. Helicopter simulations are primarily used for pilot training and testing, simulating a pilot's experience indistinguishable from real flight. Simulators provide a safe environment to study the consequences of incorrect decisions without the risk of accidents. Strict government standards and regulations for passenger safety are expected to further increase the demand for helicopter simulation.

Factors such as increase in air passenger traffic, rise in defense expenditure, increase in concern about passenger safety, and rise in number of pilot training institutes are expected to drive the <u>Helicopter Simulation Market growth</u>. However, high purchase cost, operating cost, and frequent maintenance cost hampers the market growth. Furthermore, rise in adoption of virtual reality and AI in helicopter simulation, and greater use in civil and commercial aviation are the factors expected to offer lucrative opportunities for the market growth.

The civil and commercial sector accounted for a major share of the global helicopter simulation market in 2021. In the commercial sector, helicopter simulators are utilized for training the pilots to perform numerous tasks related with VIP transportations, tourism, oil and gas, and others. In addition, helicopter simulator provides a commercial pilot with scenarios of flying within the city along with recreated weather conditions, which aids in enhancing pilot training.

Based on region, North America held the largest share in 2021, contributing to nearly half of the global <u>helicopter simulation market share</u>, and is projected to maintain its dominant share in terms of revenue in 2031. However, the Asia-Pacific region is expected to manifest the fastest CAGR of 7.9% during the forecast period.

Simulation-based training programs are conducted for helicopter and ambulance crews (paramedics, paramedics/flight nurses, pilots) to improve their technical skills and engage in rescue operations. Numerous companies develop simulators to enhance professionals' skills in helicopter emergency service. For instance, the Modular Interactive Trainer for Helicopter

Operators (MITHOS) Simulator designed by Leonardo reproduces complex and dangerous maneuvers in physical and virtual environments, enabling crews to quickly respond to emergencies.

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By offering, the services segment is anticipated to exhibit significant growth in the near future.

By simulator type, the fixed-base flight training devices segment is anticipated to exhibit significant growth in the near future.

By application, the military segment is anticipated to exhibit significant growth in the near future.

By region, Asia-Pacific is anticipated to register the highest CAGR during the forecast period.

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