

**Air Traffic Control (ATC) Simulation & Training Market Research Report Information
By Training Module (Communication Systems, Navigation Systems, Surveillance
Systems and Automation Systems), By Component (Hardware and Software), By
Application (Commercial and Military) And by Region (North America, Europe,
Asia-Pacific, And Rest of the World) Market Forecast Till 2035**

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Report description:

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Overview of the Market

Growing air traffic demand, technical advancements, and the pressing need to address controller shortages are driving the market for air traffic control (ATC) simulation and training worldwide. ATC systems are under unprecedented strain, with the FAA forecasting 82.8 million passengers in October 2024 alone and the International Air Transport Association (IATA) projecting 8.2 billion passengers by 2037. This increase highlights how important sophisticated simulation and training tools are to maintaining aviation efficiency and safety, especially considering deteriorating infrastructure and a 39% manning shortfall in U.S. Air Force ATC units.

The aviation industry, which is driving the market CAGR for air traffic control (ATC) simulation and training, has lately experienced a spike in demand for new pilots due to the airline industry's ongoing global lack of qualified pilots.

As the size of the aircraft fleet continues to grow globally, several airline carriers have been compelled to reduce the number of flight schedules due to a scarcity of pilots. This is happening in concert with the rising annual growth rate of the demand for passengers on the world's airways. The number of people on board was restricted due to a pilot shortage, which increased the

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frequency of flight cancellations.

The difficult and costly application procedure to become an airline pilot, in particular the requirement that pilots obtain their own FAA certifications, is one of the factors contributing to the present pilot shortage.

Perspectives on Market Segments

Communication, navigation, surveillance, and automation systems are all included in the training module-based market segmentation for Air Traffic Control (ATC) simulation and training.

Hardware and software are included in the component-based market segmentation.

The Air Traffic Control (ATC) Simulation & Training Market data is separated into commercial and military sectors based on application.

Regional Perspectives

The analysis offers market insights for North America, Europe, Asia-Pacific, and the rest of the world by region. North America is expected to increase at the highest rate throughout the projected period and hold the largest share, valued at USD 3.15 billion in 2019.

Due to significant investments in the modernization of traditional systems, Europe holds the second-largest market share in the air traffic control (ATC) simulation and training industry. Furthermore, throughout the projection period, the European market will be driven by the growing need for smart and environmentally friendly airports as well as the growing technological advancements in information systems.

Over the course of the review period, the Asia-Pacific Air Traffic Control (ATC) Simulation & Training Market is anticipated to expand at the quickest CAGR. This is a result of higher defense-related spending. Additionally, the market for air traffic control simulation and training is anticipated to develop because of the rise of both military and commercial aircraft.

Key Players

The International Air Transport Association (IATA) in Canada, Global ATS Ltd. in the UK, NATS Limited in the US, Edda Systems AS in Norway, Saab AB in Sweden, EIZO Corporation in the US, UFA in the US, Advanced Simulation Technology Inc. in the US, and Tern Systems in Iceland are the major participants in the market.

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