

Air Traffic Management Market by Application (Communication, Navigation, Surveillance, Automation), End Use (Commercial, Military), Airspace, Investment Type, Offering, Service, Airport Size and Region - Global Forecast to 2027

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Abstracts

The air traffic management market is projected to grow from USD 8.0billion in 2022 to USD 11.8 billion by 2027, at a CAGR of 8.1%.

Air traffic management manufacturers, service and solution providers are focusing on innovating equipment and components for air traffic management due to the increasing demand for technologically advanced traffic management systems from airport operators, air navigation service providers globally. Maintaining and funding innovations and managing fluctuations in new airport build-rates are expected to result in the dynamic growth of the air traffic management market in the long term, particularly for the more fragmented parts of the supply chain and highly capital-intensive air traffic management segments.

Based on Application, Communication segment is estimated to be the largest growing market

An automatic terminal information system (ATIS) is a mission-critical ATC system that helps air traffic controllers to transfer meteorological and operational information to pilots when an aircraft approaches an airport for landing. The ATIS also helps broadcast airport-related information, including weather conditions and active runways, to the pilot and flight crew. The ATIS system is connected to a server, which communicates with outside systems and devices, such as meteorological data sources, telephone lines, radio transmitters, and client workstations, where the ATIS message is created. ATIS

users, such as air traffic control officers, use client software interfaces to initiate, compose, review, and publish ATIS messages.

In November 2020, ACAMS Airport Tower Solutions (Norway) was chosen to supply ATIS systems to Saudi Air Navigation Service (SANS). The ACMS delivery involves new hardware and software for 13 systems, supplied with the latest ACAMS ATIS technology and functionality. The systems run on ACAMS i6 software and include an upgraded speech engine and database.

Rising use of amplifiers in surveillance systems to drive offering segment demand

Amplifiers are used in communication and navigation systems. The systems and modules offer competitive output powers from 5 – 5,000 watts, spanning frequencies from 0.01 – 6,000 MHz. Teseo SpA (Italy) delivers military and air traffic control amplifiers, which are recognized worldwide as the leading amplifiers for RF systems. Empower RF (US) is a major supplier of amplifiers in L-band for long-range air traffic control and surveillance (IFF) as well as S-band for moderate-range surveillance and long-range weather.

In February 2022, Taiwan Air Navigation and Weather Service (ANWS) selected Thales Group (France) to replace 3 airport surveillance systems in Taitung, Hualien, and Songshan (Taiwan) with the STAR NG primary surveillance radars, combined with the RSM NG secondary radars. The upgrade would expand the air traffic control capacity of ANWS by offering a wider range of capabilities and functions and bolster confidence in the safety and reliability of air travel.

China to lead Asia Pacific air traffic management market

China is witnessing rapid growth in terms of air passenger traffic. According to IATA forecasts, China is likely to become the largest civil aviation market globally by 2025. The air passenger volume of the civil aviation market is expected to reach 1.6 billion by 2037 in China. Thus, an increase in air traffic has propelled the demand for air traffic management equipment. The Civil Aviation Administration of China (CAAC) aims to construct 216 new airports by 2035 to meet the growing demands for air travel. The primary factors for the aviation sector growth are an expanding middle class and government policy. China is planning to build airports in the Beijing-Tianjin-Hebei region, Yangtze River Delta region, the Guangdong-Hong Kong-Macau Greater Bay Area, as well as in the cities of Chongqing and Chengdu.

The break-up of the profile of primary participants in the air traffic management market:

By Company Type: Tier 1 – 77%, Tier 2 – 15%, and Tier 3 – 8%

By Designation: C Level – 16%, Director Level – 5%, and Others – 79%

By Region: North America – 9%, Europe – 15%, Asia Pacific – 51%, Middle East & Africa – 16%, Latin America – 9%.

Key Market Players

The air traffic management market is dominated by a few globally established players such as Thales Group (France), Raytheon Technologies Corporation (US), L3Harris Technologies, Inc. (US), Indra Sistemas, S.A. (Spain) and Saab AB (Sweden) among others.

Research Coverage:

This market study covers air traffic management market across various segments and subsegments. It aims at estimating the size and growth potential of this market across different segments based on airspace, investment type, application, offering, service, end use, airport size, and region. This study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their product and business offerings, recent developments undertaken by them, and key market strategies adopted by them.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall air traffic management market. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on air traffic managementsystems offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the air traffic management market

Market Development: Comprehensive information about lucrative markets – the report analyses the air traffic management market across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the air traffic management market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the air traffic management market.

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