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Air Traffic Control Equipment Market by Sector (Commercial, & Defense), by Type (Communication, Navigation, & Surveillance), and by Geography (North America, Europe, Asia-Pacific, and Rest of the World) - Global Analysis and Forecast 2020

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Abstracts

“The growing need for the efficient utilization of congested airspace is driving the demand in the air traffic control equipment market”

According to the projections in this report, the air traffic control (ATC) equipment market is projected to grow from USD 4.37 billion in 2015 to USD 5.52 billion by 2020, at a CAGR of 4.79% during the forecast period of 2015 to 2020. Factors that drive the global air traffic control equipment market include the increase in the initiatives taken for modernization of airports, growing concern about safety requirements, technological advancements, and need for efficient management of airspace.

“Commercial segment to witness the highest growth during the forecast period”

The key applications considered for the market study are defense and commercial, wherein the overall air traffic control equipment market is dominated by the commercial segment. This segment is projected to grow at a higher CAGR during the forecast period of 2015 to 2020, primarily driven by the increase in spending by various aviation authorities towards modernizing their air traffic control equipment in response to the burgeoning rise in air travel and congestion of airspace.

“The Asia-Pacific region to offer significant opportunities for growth”

The APAC region is expected to exhibit the highest growth rate in the air traffic control

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equipment market during the forecast period of 2015 to 2020. This growth can be attributed to increase in government spending for infrastructure development, liberalization of regulations related to air transport, and growing GDP of the region.

Break-up of profile of primary participants for the report has been given below.

By Company Type: Tier 1 – 55 %, Tier 2 – 20%, and Tier 3 – 25%

By Designation: C level – 60%, Director level – 25%, Others – 15%

By Region: North America – 10%, Europe – 20%, APAC – 40%, RoW – 30%

The major companies profiled in the report include Indra Sistemas, S.A. (Spain), Harris Corporation (U.S.), Raytheon Corporation (U.S.), and Thales SA (France), among others.

Reasons to Buy the Report:

From an insight perspective, this research report has focused on various levels of analysis—industry analysis (industry trends), market share analysis of top players, supply chain analysis, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the air traffic control equipment market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

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

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

Market Development: Comprehensive information about lucrative emerging markets; the report analyzes the markets for air traffic control equipment across regions

Market Diversification: Exhaustive information about new products, untapped

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geographies, recent developments, and investments in the market

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

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10 COMPETITIVE LANDSCAPE

11 COMPANY PROFILE

(Overview, Financials, Products & Services, Strategy, and Developments)*

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*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted companies.

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About

Air Traffic Control (ATC) equipment enables flexible aircraft operation to improve aircraft movements, turnaround operations, efficiency, and safety, among many other important functions. The ATC supportive equipment should come pre-installed on all the aircrafts for efficient Air Traffic Management (ATM). The ATC equipment market is segmented by type, region, and country. The report offers a complete analysis of the global ATC equipment market along with forecast in terms of revenue for all the segments over the next six years. This report analyzes factors driving the market, along with identifying restraints and challenges faced. This report also profiles key competitors in the market including Indra Sistemas SA, Thales Group, Raytheon Company, Lockheed Martin Corp., Harris Corp., Northrop Grumman Corp., and Searidge Technologies Inc. It offers necessary information with regards to company overviews, their financial positions, key products, and key developments.

The primary research for comprises interviews conducted with top executives including business development directors, sales directors, vice presidents, marketing directors, and business heads of elite companies dealing with manufacturing and supply of ATC equipment and its sub-components. Extensive primary interviews with various airports authorities across the region, where passenger handling ranges between minimal-to-large volumes have also been conducted. The respondents answered queries through a questionnaire, which offer quantitative as well as qualitative inputs on their views of the overall market, the scope, the operations, as well as the latest trends, and technological developments. The data gathered from interviews has been consolidated and checked for consistency and accuracy to be collated into the MarketsandMarkets data model to arrive at the market numbers, following the top-down approach. The below figure illustrates the market research methodology applied in the report.

The market size of ATC equipment market has been estimated using both top-down and bottom-up approach for each region. The key players in the ATC equipment market have been identified by secondary sources and their market size had been determined by the study of annual reports, FACTIVA, and interviews with key opinion leaders of the top market players.

Various secondary research sources have been used, including company websites, research papers, articles, journals, white papers, and press releases to identify and collect information for an extensive technical and commercial study of the global ATC equipment market.

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The global air traffic is expected to double over the next 15 years and is estimated to grow six times over by 2050. Aircraft movements have seen steady growth, despite economic downturns; which resulted in growth for the ATC equipment market. The global ATC equipment market is estimated to be at $XX million in 2014 and expected to reach $ XX million by 2020, at a CAGR of XX %. The global air traffic control (ATC) equipment namely communication, navigation, and surveillance systems are switching to digital communication, navigation, and surveillance (DCNS) equipment. This new DCNS equipment is environment friendly and expected to improve operational safety and efficiency. The global air passenger traffic has been growing at an average of XX % for the last two decades, and is expected grow at the same pace over the forecast period.

Rapid growth in air passenger traffic by itself presents several challenges, including runway and terminal congestions. As a result of these challenges, airports are investing heavily on the infrastructure to handle future passengers smoothly. Hence, innovative technologies in ATC equipment is required for efficient and effective aircraft movements. The innovation of Air Traffic Management (ATM) is crucial for the development of a sustainable global aviation industry. The effective aircraft turnaround time or aircraft movements results in better utilization of runway capacity. The ATC is an integral part of airports, as its main purpose is to ensure consistency, effectiveness, safety, and security of aircraft.

There are different types of equipment require to ensure aircraft safety in the air and when on the ground. There needs to be sufficient equipment to control air traffic and all the ATC equipment should undergo maintenance regularly. Most importantly, ATC has to ensure that there are no aircraft collisions. The ATC also assists aircraft in bad weather conditions thereby ensuring minimum delay; which results in improved aircraft movements.

There are three types of ATC equipment being used by the air traffic controllers, namely communication, navigation, and surveillance equipment.

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