

Attitude and Heading Reference Systems Market by Type (AHRS, ADAHRS, GPS AHRS), Component (Inertial Sensors, Magnetic Sensors & Processor), End-use (Civil Aviation, Military Aviation, Unmanned Vehicles & Marine) and Region - Global Forecast to 2022

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Abstracts

“The demand for AHRS in aircraft, ships, and unmanned vehicles is one of the key factors expected to drive the growth of the attitude and heading reference systems market”

The attitude and heading reference systems market is projected to grow from USD 537.5 million in 2016 to USD 723.8 million by 2022, at a CAGR of 5.08% from 2016 to 2022. The growth of this market can be attributed to factors such as growth in aircraft deliveries and increasing demand of AHRS use in Unmanned Aerial Vehicles (UAV). However, replacement of AHRS with Inertial Reference Systems (IRS) may restrain the growth of this market.

“The civil aviation segment is estimated to lead the attitude and heading reference systems market in 2016”

Based on end-use, the civil aviation segment is estimated to lead the attitude and heading reference systems market in 2016. According to GAMA Statistical Databook 2016, the total fleet size of general aviation aircraft was 2,626. The civil aviation segment is expected to be the largest segment of the market in the coming years, owing to the high penetration and rising adoption of AHRS in general aviation.

“The GPS-aided attitude and heading reference systems segment is projected to witness highest growth during the forecast period”

Based on type, the GPS-aided attitude and heading reference systems segment is projected to witness highest growth from period 2016 to 2022. GPS-aided AHRS are highly accurate and can provide the exact geographical position.

“North America is projected to be the largest market and Asia-Pacific is projected to be the fastest-growing market for attitude and heading reference systems during the forecast period”

North America is estimated to be the largest market for attitude and heading reference systems in 2016. Some of the major aircraft and UAV manufacturers, such as Boeing (U.S.), Bombardier (Canada), Lockheed Martin (U.S.), Bell Helicopter (U.S.), and Sikorsky Aircraft (U.S.), among others are based in this region. The Asia-Pacific attitude and heading reference systems market is projected to witness highest growth during the forecast period. Asia-Pacific is the world’s largest aviation market driven by the increasing air passenger traffic in the region.

Break-up of profile of primary participants in the attitude and heading reference systems market:

By Company Type - Tier 1 – 30%, Tier 2 – 35%, and Tier 3 – 35%

By Designation – C Level – 32%, Director Level – 38%, and Others – 30%

By Region – North America - 27%, Europe – 18%, Asia-Pacific – 46%, and RoW – 9%

Major companies profiled in the report include Honeywell International, Inc. (U.S.), Safran S.A. (France), Rockwell Collins, Inc. (U.S.), Northrop Grumman (U.S.), Moog, Inc. (U.S.), Meggitt Plc (U.K.), VectorNav Technologies, LLC (U.S.), Sparton Navigation and Exploration, LLC (U.S.), Lord MicroStrain (U.S.), iXBLUE, Inc. (France), and MEMSIC, Inc. (U.S.).

Research Coverage:

This research report categorizes the attitude and heading reference systems market

based on type (conventional attitude and heading reference systems, air data attitude and heading reference systems, GPS-aided attitude and heading reference systems), component (inertial sensing unit, magnetic sensing unit, digital processing unit), and end-use (commercial aviation, military aviation, marine, unmanned vehicle). These segments and subsegments are further mapped across major regions, namely, North America, Europe, Asia-Pacific, and Rest of the World (RoW).

Reasons to buy this report:

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

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on attitude and heading reference systems offered by top players in the market

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

Market Development: Comprehensive information about lucrative markets – the report analyzes the attitude and heading reference systems market across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the attitude and heading reference systems market

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

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