

# **Attitude and Heading Reference System Market Size, Share, and Outlook, 2025 Report- By Type (Analog, Digital), By Application (Platform Stabilization, Avionics, Robotic Systems Control, Others), By Aviation (Commercial Aviation, Military Aviation, Marine, Unmanned Vehicle), By Product (Conventional, Air Data, GPS-aided), 2018-2032**

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## **Abstracts**

### Attitude and Heading Reference System Market Outlook

The Attitude and Heading Reference System Market size is expected to register a growth rate of 6.7% during the forecast period from \$954.38 Million in 2025 to \$1502.7 Million in 2032. The Attitude and Heading Reference System market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Attitude and Heading Reference System segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (Analog, Digital), By Application (Platform Stabilization, Avionics, Robotic Systems Control, Others), By Aviation (Commercial Aviation, Military Aviation, Marine, Unmanned Vehicle), By Product (Conventional, Air Data, GPS-aided). Over 70 tables and charts showcase findings from our latest survey report on Attitude and Heading Reference System markets.

### Attitude and Heading Reference System Market Insights, 2025

The global attitude and heading reference system (AHRS) market is experiencing

growth due to rising demand in aerospace, defense, and autonomous vehicle applications. Key players like Honeywell, Northrop Grumman, and Collins Aerospace are advancing MEMS (Micro-Electro-Mechanical Systems)-based AHRS technology, enabling lightweight, high-precision motion tracking. In commercial aviation, AHRS systems are replacing traditional gyroscopes in cockpit instrumentation, improving accuracy and reliability. The expanding drone industry is also driving demand for compact, low-power AHRS modules that enhance flight stability and navigation. Additionally, the rise of augmented reality (AR) and virtual reality (VR) applications in military training and simulation is opening new opportunities for AHRS integration.

### Five Trends that will define global Attitude and Heading Reference System market in 2025 and Beyond

A closer look at the multi-million market for Attitude and Heading Reference System identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Attitude and Heading Reference System companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Attitude and Heading Reference System vendors.

### What are the biggest opportunities for growth in the Attitude and Heading Reference System industry?

The Attitude and Heading Reference System sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

### Attitude and Heading Reference System Market Segment Insights

The Attitude and Heading Reference System industry presents strong offers across categories. The analytical report offers forecasts of Attitude and Heading Reference System industry performance across segments and countries. Key segments in the

industry include%li%By Type (Analog, Digital), By Application (Platform Stabilization, Avionics, Robotic Systems Control, Others), By Aviation (Commercial Aviation, Military Aviation, Marine, Unmanned Vehicle), By Product (Conventional, Air Data, GPS-aided). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Attitude and Heading Reference System market size outlook is provided for 22 countries across these regions.

### Market Value Chain

The chapter identifies potential companies and their operations across the global Attitude and Heading Reference System industry ecosystem. It assists decision-makers in evaluating global Attitude and Heading Reference System market fundamentals, market dynamics, and disruptive trends across the value chain segments.

### Scenario Analysis and Forecasts

Strategic decision-making in the Attitude and Heading Reference System industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

### Asia Pacific Attitude and Heading Reference System Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

### The State of Europe Attitude and Heading Reference System Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Attitude and Heading Reference System with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Attitude and Heading Reference System market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Attitude and Heading Reference System market Insights%li%Vendors are exploring new opportunities within the US Attitude and Heading Reference System industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Attitude and Heading Reference System companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Attitude and Heading Reference System market.

Latin American Attitude and Heading Reference System market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Attitude and Heading Reference System Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing

population base is attracting new investments in the Middle East and African Attitude and Heading Reference System markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Attitude and Heading Reference System markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Attitude and Heading Reference System companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Honeywell International Inc, Inertial Labs, iXblue, Meggitt plc, Moog Inc, Northrop Grumman Corp, Parker-LORD MicroStrain, Rockwell Collins, Safran S.A., Sparton Navigation and Exploration, VectorNav Technologies.

Attitude and Heading Reference System Market Segmentation

By Type

Analog

Digital

By Application

Platform Stabilization

Avionics

Robotic Systems Control

Others

By Aviation

Commercial Aviation

Military Aviation

Marine

Unmanned Vehicle

By Product

Conventional

Air Data

GPS-aided

Leading Companies

Honeywell International Inc

Inertial Labs

iXblue

Meggitt plc

Moog Inc

Northrop Grumman Corp

Parker-LORD MicroStrain

Rockwell Collins

Safran S.A.

Sparton Navigation and Exploration

VectorNav Technologies

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

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## Contents

### 1. TABLE OF CONTENTS

List of Figures and Tables

### 2. EXECUTIVE SUMMARY

#### 2.1 Key Highlights

2.1.1 Attitude and Heading Reference System Market Size Outlook, 2018-2024 and 2025-2032

2.1.2 Largest Attitude and Heading Reference System Market Types and Applications

2.1.3 Fastest Growing Segments

2.1.4 Potential Markets

2.1.5 Market Concentration

#### 2.2 Market Scope and Segmentation

2.2.1 Market Scope- Segments

2.2.2 Market Scope- Countries

2.2.3 Macroeconomic and Demographic Outlook

2.2.4 Abbreviations

2.2.5 Units and Currency Conversions

### 3. RESEARCH METHODOLOGY

#### 3.1 Primary Research Surveys

#### 3.2 Secondary Data Sources

#### 3.3 Data Triangulation

#### 3.4 Forecast Methodology

#### 3.5 Assumptions and Limitations

### 4. INTRODUCTION TO GLOBAL ATTITUDE AND HEADING REFERENCE SYSTEM MARKET IN 2025

#### 4.1 Industry Panorama

#### 4.2 Leading Companies Profiled in the Study

#### 4.3 Asia Pacific Markets offer Robust Market Prospects for New Entrants

#### 4.4 Market Dynamics

4.4.1 Market Dynamics- Trends and Drivers

4.4.2 Market Dynamics- Opportunities and Challenges

- 4.5 Regional Analysis
- 4.6 Porter's Five Force Analysis
  - 4.6.1 Intensity of Competitive Rivalry
  - 4.6.2 Threat of New Entrants
  - 4.6.3 Threat of Substitutes
  - 4.6.4 Bargaining Power of Buyers
  - 4.6.5 Bargaining Power of Suppliers
- 4.7 Attitude and Heading Reference System Industry Value Chain Analysis
  - 4.7.1 Stage of Value Chain
  - 4.7.2 Key Activities of Companies
  - 4.7.3 Companies Included in Each Stage
  - 4.7.4 Key Insights

## **5. ATTITUDE AND HEADING REFERENCE SYSTEM MARKET OUTLOOK TO 2032**

- 5.1 Market Size Forecast by Type, 2021-2024 and 2025-2032
- 5.2 Market Size Forecast by Application, 2021-2024 and 2024-2032
- 5.3 Market Size Forecast by Geography, 2021-2024 and 2024-2032

### **By Type**

**Analog**

**Digital**

### **By Application**

**Platform Stabilization**

**Avionics**

**Robotic Systems Control**

**Others**

### **By Aviation**

**Commercial Aviation**

**Military Aviation**

**Marine**

**Unmanned Vehicle**

### **By Product**

**Conventional**

**Air Data**

**GPS-aided**

## **6. GLOBAL ATTITUDE AND HEADING REFERENCE SYSTEM MARKET OUTLOOK ACROSS GROWTH SCENARIOS**

- 6.1 Low Growth Scenario**
- 6.2 Base/Reference Case**
- 6.3 High Growth Scenario**

## **6. NORTH AMERICA ATTITUDE AND HEADING REFERENCE SYSTEM MARKET SIZE OUTLOOK**

### **6.1 Key Market Statistics, 2024**

### **6.2 North America Attitude and Heading Reference System Market Trends and Growth Opportunities**

#### **6.2.1 North America Attitude and Heading Reference System Market Outlook by Type**

#### **6.2.2 North America Attitude and Heading Reference System Market Outlook by Application**

### **6.3 North America Attitude and Heading Reference System Market Outlook by Country**

#### **6.3.1 The US Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **6.3.2 Canada Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **6.3.3 Mexico Attitude and Heading Reference System Market Outlook, 2021- 2032**

## **7. EUROPE ATTITUDE AND HEADING REFERENCE SYSTEM MARKET SIZE OUTLOOK**

### **7.1 Key Market Statistics, 2024**

### **7.2 Europe Attitude and Heading Reference System Market Trends and Growth Opportunities**

#### **7.2.1 Europe Attitude and Heading Reference System Market Outlook by Type**

#### **7.2.2 Europe Attitude and Heading Reference System Market Outlook by Application**

### **7.3 Europe Attitude and Heading Reference System Market Outlook by Country**

#### **7.3.2 Germany Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **7.3.3 France Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **7.3.4 The UK Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **7.3.5 Spain Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **7.3.6 Italy Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **7.3.7 Russia Attitude and Heading Reference System Market Outlook, 2021- 2032**

### **7.3.8 Rest of Europe Attitude and Heading Reference System Market Outlook, 2021- 2032**

## **8. ASIA PACIFIC ATTITUDE AND HEADING REFERENCE SYSTEM MARKET SIZE OUTLOOK**

### **8.1 Key Market Statistics, 2024**

### **8.2 Asia Pacific Attitude and Heading Reference System Market Trends and Growth Opportunities**

#### **8.2.1 Asia Pacific Attitude and Heading Reference System Market Outlook by Type**

#### **8.2.2 Asia Pacific Attitude and Heading Reference System Market Outlook by Application**

### **8.3 Asia Pacific Attitude and Heading Reference System Market Outlook by Country**

#### **8.3.1 China Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **8.3.2 India Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **8.3.3 Japan Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **8.3.4 South Korea Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **8.3.5 Australia Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **8.3.6 South East Asia Attitude and Heading Reference System Market Outlook, 2021- 2032**

#### **8.3.7 Rest of Asia Pacific Attitude and Heading Reference System Market Outlook, 2021- 2032**

## **9. SOUTH AMERICA ATTITUDE AND HEADING REFERENCE SYSTEM MARKET SIZE OUTLOOK**

### **9.1 Key Market Statistics, 2024**

### **9.2 South America Attitude and Heading Reference System Market Trends and Growth Opportunities**

#### **9.2.1 South America Attitude and Heading Reference System Market Outlook by Type**

#### **9.2.2 South America Attitude and Heading Reference System Market Outlook by Application**

### **9.3 South America Attitude and Heading Reference System Market Outlook by Country**

**9.3.1 Brazil Attitude and Heading Reference System Market Outlook, 2021- 2032**

**9.3.2 Argentina Attitude and Heading Reference System Market Outlook, 2021- 2032**

**9.3.3 Rest of South and Central America Attitude and Heading Reference System Market Outlook, 2021- 2032**

## **10. MIDDLE EAST AND AFRICA ATTITUDE AND HEADING REFERENCE SYSTEM MARKET SIZE OUTLOOK**

**10.1 Key Market Statistics, 2024**

**10.2 Middle East and Africa Attitude and Heading Reference System Market Trends and Growth Opportunities**

**10.2.1 Middle East and Africa Attitude and Heading Reference System Market Outlook by Type**

**10.2.2 Middle East and Africa Attitude and Heading Reference System Market Outlook by Application**

**10.3 Middle East and Africa Attitude and Heading Reference System Market Outlook by Country**

**10.3.1 Saudi Arabia Attitude and Heading Reference System Market Outlook, 2021- 2032**

**10.3.2 The UAE Attitude and Heading Reference System Market Outlook, 2021- 2032**

**10.3.3 Rest of Middle East Attitude and Heading Reference System Market Outlook, 2021- 2032**

**10.3.4 South Africa Attitude and Heading Reference System Market Outlook, 2021- 2032**

**10.3.5 Egypt Attitude and Heading Reference System Market Outlook, 2021- 2032**

**10.3.6 Rest of Africa Attitude and Heading Reference System Market Outlook, 2021- 2032**

## **11. COMPANY PROFILES**

**11.1 Leading 10 Companies**

**Honeywell International Inc**

**Inertial Labs**

**iXblue**

**Meggitt plc**

**Moog Inc**

**Northrop Grumman Corp**

**Parker-LORD MicroStrain**  
**Rockwell Collins**  
**Safran S.A.**  
**Sparton Navigation and Exploration**  
**VectorNav Technologies**  
**11.2 Overview**  
**11.3 Products and Services**  
**11.4 SWOT Profile**

## **12. APPENDIX**

**12.1 Subscription Options**  
**12.2 Customization Options**  
**12.3 Publisher Details**

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