

# **Autopilot Systems Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028**

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## **Abstracts**

### **Market Overview:**

The global autopilot systems market size reached US\$ 4.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 6.0 Billion by 2028, exhibiting a growth rate (CAGR) of 4.9% during 2023-2028.

Autopilot refers to an electrical, mechanical or hydraulic system that is designed for aerial, marine and unmanned aerial vehicles (UAVs) to operate without requiring human assistance. It consists of a computer system, actuator and global positioning service (GPS), along with flight director control and avionic systems. These systems are designed to minimize the workload of the pilots over long travels and to improve the overall performance of the vessel. They can intercept the course, check for route deviations, control the steering wheel and maintain the assigned altitude. These systems find extensive applications across the automotive, agriculture, commercial aviation, military and aerospace industries.

The expanding aerospace and defence industries are among the key factors driving the market growth. Furthermore, a significant increase in air travel and water transportation activities, especially in the emerging economies, is also providing a boost to the market growth. Autopilot systems aid in enhancing situational awareness, navigational accuracy and the operational and fuel efficiency of the vessel. Additionally, the widespread adoption of the autopilot systems in UAVs and drones is acting as another growth inducing factor. These systems can manage Attitude & Heading Reference Systems (AHRS), airspeed, magnetometers, accelerometers, gyroscopes and flight control algorithms in the UAVs. They are also used in drones to monitor the route, track

waypoints and take high-definition aerial photos and videos. Other factors, including technological advancements, growing need for automation across industries and extensive research and development (R&D) activities, are projected to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global autopilot systems market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, component, platform, system and application.

#### Breakup by Product Type:

Rotary Wing Aircraft

Fixed Wing Aircraft

#### Breakup by Component:

GPS (Global Positioning System)

Gyroscope

Software

Actuators

#### Breakup by Platform:

Airborne Platform

Land Based

Sea

Subsea

#### Breakup by System:

Attitude and Heading Reference System

Flight Director System

Flight Control System

Avionics System

Others

#### Breakup by Application:

Commercial  
Civil  
Military

#### Breakup by Region:

North America  
United States  
Canada  
Asia Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Bae Systems PLC, Cloud Cap Technology Inc., Furuno Electric Co. Ltd., Garmin International Inc., Genesys Aerosystems Group Inc., Honeywell International Inc., Lockheed Martin Corporation, Micropilot Inc., Rockwell Collins Inc., Trimble Inc., etc.

## Key Questions Answered in This Report:

How has the global autopilot systems market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global autopilot systems market?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the component?

What is the breakup of the market based on the platform?

What is the breakup of the market based on the system?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global autopilot systems market and who are the key players?

What is the degree of competition in the industry?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

2.1 Objectives of the Study

2.2 Stakeholders

2.3 Data Sources

2.3.1 Primary Sources

2.3.2 Secondary Sources

2.4 Market Estimation

2.4.1 Bottom-Up Approach

2.4.2 Top-Down Approach

2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

4.1 Overview

4.2 Key Industry Trends

### **5 GLOBAL AUTOPILOT SYSTEMS MARKET**

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Forecast

### **6 MARKET BREAKUP BY PRODUCT TYPE**

6.1 Rotary Wing Aircraft

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Fixed Wing Aircraft

6.2.1 Market Trends

6.2.2 Market Forecast

## **7 MARKET BREAKUP BY COMPONENT**

### **7.1GPS (Global Positioning System)**

#### **7.1.1 Market Trends**

#### **7.1.2 Market Forecast**

### **7.2Gyroscope**

#### **7.2.1 Market Trends**

#### **7.2.2 Market Forecast**

### **7.3Software**

#### **7.3.1 Market Trends**

#### **7.3.2 Market Forecast**

### **7.4Actuators**

#### **7.4.1 Market Trends**

#### **7.4.2 Market Forecast**

## **8 MARKET BREAKUP BY PLATFORM**

### **8.1Airborne Platform**

#### **8.1.1 Market Trends**

#### **8.1.2 Market Forecast**

### **8.2Land Based**

#### **8.2.1 Market Trends**

#### **8.2.2 Market Forecast**

### **8.3Sea**

#### **8.3.1 Market Trends**

#### **8.3.2 Market Forecast**

### **8.4Subsea**

#### **8.4.1 Market Trends**

#### **8.4.2 Market Forecast**

## **9 MARKET BREAKUP BY SYSTEM**

### **9.1Attitude and Heading Reference System**

#### **9.1.1 Market Trends**

#### **9.1.2 Market Forecast**

### **9.2Flight Director System**

#### **9.2.1 Market Trends**

#### **9.2.2 Market Forecast**

### **9.3Flight Control System**

- 9.3.1 Market Trends
- 9.3.2 Market Forecast
- 9.4Avionics System
  - 9.4.1 Market Trends
  - 9.4.2 Market Forecast
- 9.5Others
  - 9.5.1 Market Trends
  - 9.5.2 Market Forecast

## **10 MARKET BREAKUP BY APPLICATION**

- 10.1Commercial
  - 10.1.1 Market Trends
  - 10.1.2 Market Forecast
- 10.2Civil
  - 10.2.1 Market Trends
  - 10.2.2 Market Forecast
- 10.3Military
  - 10.3.1 Market Trends
  - 10.3.2 Market Forecast

## **11 MARKET BREAKUP BY REGION**

- 11.1North America
  - 11.1.1 United States
    - 11.1.1.1 Market Trends
    - 11.1.1.2 Market Forecast
  - 11.1.2 Canada
    - 11.1.2.1 Market Trends
    - 11.1.2.2 Market Forecast
- 11.2Asia Pacific
  - 11.2.1 China
    - 11.2.1.1 Market Trends
    - 11.2.1.2 Market Forecast
  - 11.2.2 Japan
    - 11.2.2.1 Market Trends
    - 11.2.2.2 Market Forecast
  - 11.2.3 India
    - 11.2.3.1 Market Trends

- 11.2.3.2 Market Forecast
- 11.2.4 South Korea
  - 11.2.4.1 Market Trends
  - 11.2.4.2 Market Forecast
- 11.2.5 Australia
  - 11.2.5.1 Market Trends
  - 11.2.5.2 Market Forecast
- 11.2.6 Indonesia
  - 11.2.6.1 Market Trends
  - 11.2.6.2 Market Forecast
- 11.2.7 Others
  - 11.2.7.1 Market Trends
  - 11.2.7.2 Market Forecast
- 11.3 Europe
  - 11.3.1 Germany
    - 11.3.1.1 Market Trends
    - 11.3.1.2 Market Forecast
  - 11.3.2 France
    - 11.3.2.1 Market Trends
    - 11.3.2.2 Market Forecast
  - 11.3.3 United Kingdom
    - 11.3.3.1 Market Trends
    - 11.3.3.2 Market Forecast
  - 11.3.4 Italy
    - 11.3.4.1 Market Trends
    - 11.3.4.2 Market Forecast
  - 11.3.5 Spain
    - 11.3.5.1 Market Trends
    - 11.3.5.2 Market Forecast
  - 11.3.6 Russia
    - 11.3.6.1 Market Trends
    - 11.3.6.2 Market Forecast
  - 11.3.7 Others
    - 11.3.7.1 Market Trends
    - 11.3.7.2 Market Forecast
- 11.4 Latin America
  - 11.4.1 Brazil
    - 11.4.1.1 Market Trends
    - 11.4.1.2 Market Forecast



- 11.4.2 Mexico
  - 11.4.2.1 Market Trends
  - 11.4.2.2 Market Forecast
- 11.4.3 Others
  - 11.4.3.1 Market Trends
  - 11.4.3.2 Market Forecast
- 11.5 Middle East and Africa
  - 11.5.1 Market Trends
  - 11.5.2 Market Breakup by Country
  - 11.5.3 Market Forecast

## **12 SWOT ANALYSIS**

- 12.1 Overview
- 12.2 Strengths
- 12.3 Weaknesses
- 12.4 Opportunities
- 12.5 Threats

## **13 VALUE CHAIN ANALYSIS**

- 13.1 Overview
- 13.2 Inbound Logistics
- 13.3 Operations
- 13.4 Outbound Logistics
- 13.5 Marketing and Sales
- 13.6 Services

## **14 PORTERS FIVE FORCES ANALYSIS**

- 14.1 Overview
- 14.2 Bargaining Power of Buyers
- 14.3 Bargaining Power of Suppliers
- 14.4 Degree of Competition
- 14.5 Threat of New Entrants
- 14.6 Threat of Substitutes

## **15 PRICE INDICATORS**

## 16 COMPETITIVE LANDSCAPE

### 16.1 Market Structure

### 16.2 Key Players

### 16.3 Profiles of Key Players

#### 16.3.1 Bae Systems PLC

##### 16.3.1.1 Company Overview

##### 16.3.1.2 Product Portfolio

##### 16.3.1.3 Financials

##### 16.3.1.4 SWOT Analysis

#### 16.3.2 Cloud Cap Technology Inc.

##### 16.3.2.1 Company Overview

##### 16.3.2.2 Product Portfolio

#### 16.3.3 Furuno Electric Co. Ltd.

##### 16.3.3.1 Company Overview

##### 16.3.3.2 Product Portfolio

##### 16.3.3.3 Financials

#### 16.3.4 Garmin International Inc.

##### 16.3.4.1 Company Overview

##### 16.3.4.2 Product Portfolio

#### 16.3.5 Genesys Aerosystems Group Inc.

##### 16.3.5.1 Company Overview

##### 16.3.5.2 Product Portfolio

##### 16.3.5.3 Financials

##### 16.3.5.4 SWOT Analysis

#### 16.3.6 Honeywell International Inc.

##### 16.3.6.1 Company Overview

##### 16.3.6.2 Product Portfolio

##### 16.3.6.3 Financials

##### 16.3.6.4 SWOT Analysis

#### 16.3.7 Lockheed Martin Corporation

##### 16.3.7.1 Company Overview

##### 16.3.7.2 Product Portfolio

##### 16.3.7.3 Financials

##### 16.3.7.4 SWOT Analysis

#### 16.3.8 Micropilot Inc.

##### 16.3.8.1 Company Overview

##### 16.3.8.2 Product Portfolio

##### 16.3.8.3 Financials

- 16.3.8.4 SWOT Analysis
- 16.3.9 Rockwell Collins Inc.
  - 16.3.9.1 Company Overview
  - 16.3.9.2 Product Portfolio
- 16.3.10 Trimble Inc.
  - 16.3.10.1 Company Overview
  - 16.3.10.2 Product Portfolio
  - 16.3.10.3 Financials
  - 16.3.10.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: Autopilot Systems Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Autopilot Systems Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 3: Global: Autopilot Systems Market Forecast: Breakup by Component (in Million US\$), 2023-2028

Table 4: Global: Autopilot Systems Market Forecast: Breakup by Platform (in Million US\$), 2023-2028

Table 5: Global: Autopilot Systems Market Forecast: Breakup by System (in Million US\$), 2023-2028

Table 6: Global: Autopilot Systems Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 7: Global: Autopilot Systems Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 8: Global: Autopilot Systems Market: Competitive Structure

Table 9: Global: Autopilot Systems Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Autopilot Systems Market: Major Drivers and Challenges

Figure 2: Global: Autopilot Systems Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Autopilot Systems Market: Breakup by Product Type (in %), 2022

Figure 4: Global: Autopilot Systems Market: Breakup by Component (in %), 2022

Figure 5: Global: Autopilot Systems Market: Breakup by Platform (in %), 2022

Figure 6: Global: Autopilot Systems Market: Breakup by System (in %), 2022

Figure 7: Global: Autopilot Systems Market: Breakup by Application (in %), 2022

Figure 8: Global: Autopilot Systems Market: Breakup by Region (in %), 2022

Figure 9: Global: Autopilot Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 10: Global: Autopilot Systems (Rotary Wing Aircraft) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Autopilot Systems (Rotary Wing Aircraft) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Autopilot Systems (Fixed Wing Aircraft) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Autopilot Systems (Fixed Wing Aircraft) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Autopilot Systems (Global Positioning System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Autopilot Systems (Global Positioning System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Autopilot Systems (Gyroscope) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Autopilot Systems (Gyroscope) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Autopilot Systems (Software) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Autopilot Systems (Software) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Autopilot Systems (Actuators) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Autopilot Systems (Actuators) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Autopilot Systems (Airborne Platform) Market: Sales Value (in Million US\$), 2017 & 2022

US\$), 2017 & 2022

Figure 23: Global: Autopilot Systems (Airborne Platform) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Autopilot Systems (Land Based) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Autopilot Systems (Land Based) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Autopilot Systems (Sea) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Autopilot Systems (Sea) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Autopilot Systems (Subsea) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Autopilot Systems (Subsea) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Autopilot Systems (Attitude and Heading Reference System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Autopilot Systems (Attitude and Heading Reference System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Autopilot Systems (Flight Director System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: Autopilot Systems (Flight Director System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Autopilot Systems (Flight Control System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Global: Autopilot Systems (Flight Control System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Global: Autopilot Systems (Avionics System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Global: Autopilot Systems (Avionics System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Global: Autopilot Systems (Other Systems) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Global: Autopilot Systems (Other Systems) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Global: Autopilot Systems (Commercial) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Global: Autopilot Systems (Commercial) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Global: Autopilot Systems (Civil) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Global: Autopilot Systems (Civil) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Global: Autopilot Systems (Military) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Global: Autopilot Systems (Military) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: North America: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: North America: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: United States: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: United States: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Canada: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Canada: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Asia Pacific: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Asia Pacific: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: China: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: China: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Japan: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Japan: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: India: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: India: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: South Korea: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: South Korea: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Australia: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022



Figure 63: Australia: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Indonesia: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Indonesia: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Others: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Others: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Europe: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Europe: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Germany: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Germany: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: France: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: France: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: United Kingdom: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: United Kingdom: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Italy: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Italy: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Spain: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Spain: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Russia: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 81: Russia: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Others: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 83: Others: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Latin America: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 85: Latin America: Autopilot Systems Market Forecast: Sales Value (in Million



US\$), 2023-2028

Figure 86: Brazil: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 87: Brazil: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 88: Mexico: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 89: Mexico: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 90: Others: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 91: Others: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 92: Middle East and Africa: Autopilot Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 93: Middle East and Africa: Autopilot Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 94: Global: Autopilot Systems Industry: SWOT Analysis

Figure 95: Global: Autopilot Systems Industry: Value Chain Analysis

Figure 96: Global: Autopilot Systems Industry: Porter's Five Forces Analysis

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